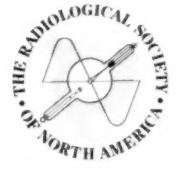
Radiology



JANUARY 1992
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Foreword

The format of the *RSNA Index to Imaging Literature* for the years 1989 through 1991 is unchanged from the model of the past several issues. New terms are added every month in response to the developments in radiology. Terms without new entries for three years are dropped. On page 850 there are lists of terms that have been added and altered since the last edition was published.

The glossary of terms has proved useful. It is continued in this edition, beginning on page 829.

Two new publications, *Journal of Vascular and Interventional Radiology* and *Journal of Magnetic Resonance Imaging*, are welcomed to the roster of journals indexed. A list of journals added and deleted is found on page 850.

CLAUDIA J. GORMAN, *Index Editor*
STANLEY S. SIEGELMAN, MD, *Editor*
WILLIAM R. EYLER, MD, *Editor Emeritus*

List of Journals Indexed

Acta Oncologica (Acta Oncol)
Almqvist & Wiksell International
P.O. Box 638
S-10128
Stockholm, Sweden

Acta Radiologica (Acta Radiol)
Munksgaard International Publishers
c/o Publications Expediting
200 Meacham Avenue
Elmont, NY 11003

American Journal of Neuroradiology (AJNR)
The Williams & Wilkins Co.
428 E. Preston Street
Baltimore, MD 21202

American Journal of Roentgenology (AJR)
The Williams & Wilkins Co.
428 E. Preston Street
Baltimore, MD 21202

Australasian Radiology (Australas Radiol)
Bloxham & Chambers Pty. Limited
1 Leeds Street
Rhodes
New South Wales 2138
Australia

British Journal of Radiology (Br J Radiol)
The British Institute of Radiology
36 Portland Place
London W1N 4AT
England

Cardiovascular and Interventional Radiology (Cardiovasc Intervent Radiol)
Springer-Verlag New York, Inc.
175 Fifth Avenue
New York, NY 10010

Clinical Imaging (Clin Imag)
Elsevier Science Publishing Co., Inc.
655 Avenue of the Americas
New York, NY 10010

Clinical Nuclear Medicine (Clin Nucl Med)
Editorial Department
J. B. Lippincott Co.
East Washington Square
Philadelphia, PA 19106

Clinical Radiology (Clin Radiol)
Managing Editor
36 Portland Place
London W1N 4AT
England

Computerized Medical Imaging and Graphics (Comput Med Imag Graph)
Pergamon Press
Fairview Park
Elmsford, NY 10523

European Journal of Radiology (Eur J Radiol)
Journals Division
P.O. Box 211
1000 AE Amsterdam
The Netherlands

Gastrointestinal Radiology (Gastrointest Radiol)
Springer-Verlag New York, Inc.
175 Fifth Avenue
New York, NY 10010

International Journal of Radiation Oncology, Biology, Physics (Int J Radiat Oncol Biol Phys)
Pergamon Press
Maxwell House
Fairview Park
Elmsford, NY 10523

Investigative Radiology (Invest Radiol)
Editorial Department
J.B. Lippincott Co.
East Washington Square
Philadelphia, PA 19106

Journal of the Canadian Association of Radiologists (J Canad Assoc Radiol)
Information Systems
Canadian Medical Association
P.O. Box 8650
Ottawa, Ontario
Canada K1G 0G8

Journal of Clinical Ultrasound (JCU)
John Wiley & Sons, Inc.
605 Third Avenue
New York, NY 10158

Journal of Computer Assisted Tomography (JCAT)
Raven Press, Publishers
1185 Avenue of the Americas
New York, NY 10036

Journal of Magnetic Resonance Imaging (JMRI)
Society for Magnetic Resonance Imaging
1991 Northampton Street
Easton, PA 18042-3189

Journal of Neuroradiology (J Neuroradiol)
Masson
120 Boulevard Saint-Germain
75280 Paris Cedex 06
France

Journal of Nuclear Medicine (J Nucl Med)
The Society of Nuclear Medicine
136 Madison Avenue
New York, NY 10016-6760

Journal of Thoracic Imaging (J Thorac Imag)
Aspen Publishers, Inc.
7201 McKinney Circle
Frederick, MD 21701

Journal of Ultrasound in Medicine (J Ultrasound Med)
Elsevier Science Publishing Co., Inc.
655 Avenue of the Americas
New York, NY 10010

Journal of Vascular and Interventional Radiology (JVIR)
Society of Cardiovascular and Interventional Radiology
10201 Lee Highway, Suite 160
Fairfax, VA 22030-2224

Magnetic Resonance in Medicine (Magn Res Med)
Academic Press, Inc.
1 East First Street
Duluth, MN 55802

Neuroradiology (Neuroradiol)
Springer-Verlag
Postfach 105280
D-6900 Heidelberg 1
Germany

Pediatric Radiology (Pediatr Radiol)
Springer-Verlag
Postfach 105280
D-6900 Heidelberg 1
Germany

RadioGraphics (RadioGraphics)
The Radiological Society of North America, Inc.
1991 Northampton Street
Easton, PA 18042-3189

The Radiologic Clinics of North America (Radiol Clin North Am)
W. B. Saunders Co.
The Curtis Center
Independence Square West
Philadelphia, PA 19106

Radiology (Radiology)
The Radiological Society of North America, Inc.
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Seminars in Nuclear Medicine (Semin Nucl Med)
W. B. Saunders Co.
The Curtis Center
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Philadelphia, PA 19106

Seminars in Roentgenology (Semin Roentgenol)
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Seminars in Ultrasound, CT and MR (Semin US CT MR)
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Independence Square West
Philadelphia, PA 19106

Sleletal Radiology (Skeletal Radiol)
Springer-Verlag
Postfach 105280
D-6900 Heidelberg 1
Germany

Ultrasound in Medicine and Biology (Ultrasound Med Biol)
Pergamon Journals, Inc.
Fairview Park
Elmsford, NY 10523

Urologic Radiology (Urol Radiol)
Springer-Verlag New York, Inc.
175 Fifth Avenue
New York, NY 10010

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Aaron JO: computed tomography and magnetic resonance tomography of intracranial tumors. 2nd ed., Radiology 1990; **177:** 872
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Aasebø U; Slørdal L: transient reduction in serum cortisol levels after dexamethasone antiemetic therapy in cancer patients undergoing chemotherapy, Acta Oncol 1990; **29:** 314
Aasebø U; Slørdal L; Aanderud S; et al: chemotherapy and endocrine function in lung cancer, Acta Oncol 1989; **28:** 667
Aasly J; Nilsen G: cerebral atrophy in Lyme disease, Neuroradiol 1990; **32:** 252
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Abad J; Hidalgo EG; Cantarero JM; Parga G; Fernandez R; Gomez M; Colina F; Moreno E: hepatic artery anastomotic stenosis after transplantation: treatment with percutaneous transluminal angioplasty, Radiology 1989; **171:** 661
Abad J; Villar R; Parga G; et al: bronchial migration of pulmonary arterial coil, Cardiovasc Intervent Radiol 1990; **13:** 345
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Abbey NC; Block AJ; Green D; et al: measurement of pharyngeal volume by digitized magnetic resonance imaging: effect of nasal continuous positive airway pressure, (ab), Radiology 1990; **175:** 295
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Abbitt PL: percutaneous fine-needle aspiration of bowel wall abnormalities under ultrasonic guidance, JCU 1991; **19:** 310
Abbitt PL; Armstrong P: percutaneous catheter drainage of necrotic tumors: CT demonstration, JCAT 1989; **13:** 437
Abbitt PL; Goldwag S; Urbanski S: endovaginal sonography for guidance in draining pelvic fluid collections, AJR 1990; **154:** 849
Abbitt PL; Hurst RW; Ferguson RDG; et al: role of ultrasound in the management of vein of Galen aneurysms in infancy, Neuroradiol 1990; **32:** 86
Abbitt PL; McIlhenny J: prenatal detection of gallstones, JCU 1990; **18:** 202
Abbitt PL; Teates CD: sonographic appearance of extramedullary hematopoiesis in the liver, JCU 1989; **17:** 280
Abbitt PL; Watson L; Howards S: abnormalities of the seminal tract causing infertility: diagnosis with endorectal sonography, AJR 1991; **157:** 337
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Abdel-Dayem HM; Bahar RH; Sigurdsson GH; et al: hollow skull: a sign of brain death in Tc-99m HM-PAO brain scintigraphy, Clin Nucl Med 1989; **14:** 912
Abdel-Dayem HM; Elgazzar AH: letter to the editor, Radiographics 1989; **9:** 650
Abdel-Dayem HM; El-Hilu S; Sehweil A; et al: cerebral perfusion changes in schizophrenic patients using Tc-99m hexamethylpropylene amineoxime (HMPAO), Clin Nucl Med 1990; **15:** 468
Abdel-Dayem HM; Nawaz MK; Hassoon MM; et al: cerebral perfusion abnormalities in therapy-resistant epilepsy in mentally retarded pediatric patients: comparison between EEG, x-ray CT, and Tc-99m HMPAO, Clin Nucl Med 1991; **16:** 557
Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT: In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Radiology 1990; **175:** 163
Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB: colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Radiology 1990; **176:** 117
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Abdelwahab IF; Hermann G; Klein MJ; et al: case report 635, Skeletal Radiol 1990; **19:** 539
Abdelwahab IF; Hermann G; Klein MJ; et al: fibromyxoma of bone, Skeletal Radiol 1991; **20:** 95
Abdelwahab IF; Hermann G; Lewis MM; et al: case report 534, Skeletal Radiol 1989; **18:** 157
Abdelwahab IF; Hermann G; Lewis MM; et al: case report 588, Skeletal Radiol 1990; **19:** 59
Abdelwahab IF; Hermann G; Ramos R; et al: case report 623, Skeletal Radiol 1990; **19:** 387
Abdelwahab IF; Hermann G; Stollman A; et al: case report 564, Skeletal Radiol 1989; **18:** 466
Abdelwahab IF; Hermann G; Zawin J; et al: case report 543, Skeletal Radiol 1989; **18:** 249
Abdelwahab IF; Kenan S; Hermann G; et al: atypical skeletal tuberculosis mimicking neoplasm, Br J Radiol 1991; **64:** 551
Abdelwahab IF; Lewis MM; Klein MJ; et al: case report 515, Skeletal Radiol 1989; **17:** 607
Abdelwahab IF; Lewis MM; Klein MJ; et al: case report 528, Skeletal Radiol 1989; **18:** 133
Abdelwahab IF; Miller TT; Hermann G; et al: transarticular invasion of joints by bone tumors: hypothesis, Skeletal Radiol 1991; **20:** 279
Abdelwahab IF; Norman A; Hermann G; et al: atypical radiographic appearances of tuberculous granulomas of bone, J Canad Assoc Radiol 1990; **41:** 72
Abdo GJ See Kulkarni MV
Abdollah A; Tampieri D; Kirkham TH; et al: computed tomography and magnetic resonance imaging of an infiltrative lesion of the anterior visual pathways, J Canad Assoc Radiol 1991; **42:** 60
Abdollah A; Tampieri D; Melanson D: Wilson's disease: computed tomography and magnetic resonance imaging findings, J Canad Assoc Radiol 1991; **42:** 130
Abdul-Karim FW; Pathria MN; Heller JG; et al: case report 664, Skeletal Radiol 1991; **20:** 227
Abdullah DC See Schellinger D
Abdullah DC; Hallisey MJ; Muraki AS; et al: diffuse calvarial hemangiomatosis associated with hereditary hemorrhagic telangiectasia, AJNR 1989; **10:** S59
Abe C See Asada N
Abe K; Hasegawa H; Kobayashi Y; et al: gemistocytic astrocytoma demonstrated high intensity on MR images: protein hydration layer, Neuroradiol 1990; **32:** 166
Abe K; Inui T; Hirono N; et al: fluctuating MR images with mitochondrial encephalopathy, lactic acidosis, stroke-like syndrome (MELAS), Neuroradiol 1990; **32:** 77
Abe M See Masunaga S-i
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Abe M See Okajima K
Abe M; Watanabe H; Kojima M; et al: puncture of the seminal vesicles guided by a transrectal real-time linear scanner, JCU 1989; **17:** 173
Abe T; Kojima K; Nishimura H; et al: case of intrathoracic meningocele accompanied by Recklinghausen's disease: cardiac gated CINE MRI, Neuroradiol 1990; **32:** 535
Abe Y; Matsuzawa T; Fujiwara T; et al: clinical assessment of therapeutic effects on cancer using ^{18}F-2-fluoro-2-deoxy-D-glucose and positron emission tomography: preliminary study of lung cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1005
Abe Y; Urano M: fraction size-dependent acute skin reaction of mice after multiple twice-a-day doses, Int J Radiat Oncol Biol Phys 1990; **18:** 359
Abecassis J-P See Soffer M
Abécassis J-P; Parienté D; Hazebroucq V; et al: subcapsular hepatic necrosis in liver transplantation: CT appearance, AJR 1991; **156:** 981
Abel MS: transverse posterior element fractures associated with torsion, Skeletal Radiol 1989; **17:** 556
Abela GS See Seeger JM
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Abello R See Kim EE
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Abello R; Haynie TP; Kim EE: pitfalls of a ^{99m}Tc-RBC bleeding study due to gallbladder and ileal-loop visualization, Gastrointest Radiol 1991; **16:** 32
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Aberle DR: high-resolution computed tomography of asbestos-related diseases, Semin Roentgenol 1991; **26:** 118
Aberle DR; Gamsu G: detection of asbestosis with high-resolution CT: reply, Radiology 1989; **170:** 278
Aberle DR; Gamsu G; Lynch D: thoracic manifestations of Wegener granulomatosis: diagnosis and course, Radiology 1990; **174:** 703
Aberle DR; Hansell DM; Brown K; Tashkin DP: lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Radiology 1990; **176:** 381
Aberle DR; Hansell DM; Huang HK: current status of digital projectional radiography of the chest, J Thorac Imag 1990; **5-1:** 10
Aberle DR; Wiener-Kronish JP; Matthay MA; Webb WR: hydrostatic versus increased permeability pulmonary edema: reply, Radiology 1989; **170:** 892
Abernathy RS See **Johnke RM**
Abernethy LJ See **Wardlaw JM**
Abernethy LJ; Hendry GMA; Reid JH: fibromuscular dysplasia of the renal artery in a child: detection by Doppler ultrasound and correction by percutaneous transluminal angioplasty, Pediatr Radiol 1989; **19:** 539
Abernethy LJ; Whittle IR; Sellar RJ: case report: leptomeningeal cyst of the orbit presenting with pulsatile exophthalmos, Clin Radiol 1989; **40:** 531
Abernethy WB See **Ott DJ**
Abiko S See **Akimura T**
Abildgaard A; Kolmannskog F; Mathisen Ø; et al: computed tomography after modified Whipple procedure with pancreatic duct occlusion, Acta Radiol 1990; **31:** 579
Abildgaard A; Lien HH; Fossâ SD; et al: enlargement of the thymus following chemotherapy for non-seminomatous testicular cancer, Acta Radiol 1989; **30:** 259
Abiri M See **Edwards-Freeman C**
Abiri M See **Kirpekar M**
Abiri M: osteomyelitis: detection with US: reply, Radiology 1991; **178:** 890
Abiri MM; Kirpekar M; Ablow RC: osteomyelitis: detection with US, Radiology 1989; **172:** 509
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Ablin DS; Greenspan A; Reinhart MA; et al: differentiation of child abuse from osteogenesis imperfecta, AJR 1990; **154:** 1035
Ablin DS; Newell JD; Davis M: esophageal vascular impression in total anomalous pulmonary venous return below the diaphragm, Pediatr Radiol 1989; **19:** 454
Ablin DS; Reinhart MA: esophageal perforation with mediastinal abscess in child abuse, Pediatr Radiol 1990; **20:** 524
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Abner AL; Recht A; Vicini FA; et al: cosmetic results after surgery, chemotherapy, and radiation therapy for early breast cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 331
Abós MD See **Banzo J**
AbouJaoude MA; Grant DR; Ghent CN; et al: effect of portasystemic shunts on subsequent transplantation of the liver, (ab), JVIR 1991; **2:** 420
Aboulatta H See **D'Cruz IA**
Abraham G; Blake PG; Mathews RE; et al: genital swelling as a surgical complication of continuous ambulatory peritoneal dialysis, (ab), Radiology 1990; **177:** 292
Abraham S See **Narula J**
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Abraham V; Ziskin MC; Heyner S: temperature elevation in the rat fetus due to ultrasound exposure, Ultrasound Med Biol 1989; **15:** 443
Abraham-Fuchs K See **Schneider S**
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Abrahams C; Lipson S; Ross L: pathologic changes in the kidneys and other organs of dogs undergoing extracorporeal shock wave lithotripsy with a tubless lithotripter, (ab), Radiology 1989; **170:** 901
Abrahams J See **Rosenfield NS**
Abrahams JJ; Lange RC: coil holder and marker system for MR imaging of the total spine, Radiology 1989; **172:** 869
Abrahams JJ; Lidov M; Artiles C: MR imaging of intracranial fluid levels, AJNR 1989; **10:** 695
Abrahams JJ; Trefelner E; Boulware SD: idiopathic growth hormone deficiency: MR findings in 35 patients, AJNR 1991; **12:** 155
Abrahams JJ; Trefelner E; Boulware SD: idiopathic growth hormone deficiency: MR findings in 35 patients, AJR 1991; **156:** 599
Abrahams TG; Whitten CG; Jones M; et al: case report 632, Skeletal Radiol 1991; **20:** 47
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Abrahamsen AF; Borge L; Holte H: infection after splenectomy for Hodgkin's disease, Acta Oncol 1990; **29:** 167
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Abramowicz JS; Arrington J; Levy DL; et al: Doppler study of umbilical artery blood flow waveform: should we use an instrument-adapted nomogram?, J Ultrasound Med 1989; **8:** 183
Abramowicz JS; Warsof SL; Arrington J; et al: Doppler analysis of the umbilical artery: the importance of choosing the placental end of the cord, J Ultrasound Med 1989; **8:** 219
Abramowicz JS; Warsof SL; Sherer DM; et al: value of a random single Doppler study of the umbilical artery for predicting perinatal outcome, J Ultrasound Med 1991; **10:** 337
Abrams DN See **Billinghurst MW**
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Abramson SJ; Berdon WE; Laffey K; et al: colonic diverticulitis in young patients with chronic renal failure and transplantation, Pediatr Radiol 1991; **21:** 352
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Abreu SH: skeletal uptake of indium 111-labeled white blood cells, Semin Nucl Med 1989; **19:** 152
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Abu-Dalu KI See **Verstandig A**
Abu Musa A; Hata T; Hata K; et al: pelvic arteriovenous malformation diagnosed by color flow Doppler imaging, AJR 1989; **152:** 1311
AbuRahma AF; Robinson PA; Kennard W; et al: intraoperative peripheral Nd:YAG laser-assisted thermal balloon angioplasty: short-term and intermediate-term follow-up, (ab), Radiology 1991; **179:** 590
Aburano T; Yokoyama K; Kinuya S; et al: indium-111 transferrin imaging for the diagnosis of protein-losing enteropathy, Clin Nucl Med 1990; **14:** 681
Aburano T; Yokoyama K; Shuke N; et al: role of Tc-99m IDA hepatobiliary and Tc-99m colloid hepatic imaging in primary biliary cirrhosis, Clin Nucl Med 1991; **16:** 4
Aburano T; Yokoyama K; Takayama T; et al: distinct hepatic retention of Tc-99m IDA in arteriohepatic dysplasia (Alagille syndrome), Clin Nucl Med 1989; **14:** 874
Aburano T; Yokoyama K; Taki J; et al: Tc-99m MDP bone imaging in inflammatory enthesopathy, Clin Nucl Med 1990; **15:** 105
Aburano T; Yokoyama K; Taniguchi M; et al: diagnostic values of gallbladder hyperperfusion and the rim sign in radionuclide angiography and hepatobiliary imaging, Gastrointest Radiol 1990; **15:** 229
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Abu-Yousef MM: is it calcification of the ductus venosus or calcification of the ligamentum teres?, Radiology 1990; **176:** 291
Abu-Yousef MM; Franken EA Jr: overview of graded compression sonography in the diagnosis of acute appendicitis, Semin US CT MR 1989; **10:** 352
Abu-Yousef MM; Milam SG; Farner RM: pulsatile portal vein flow: a sign of tricuspid regurgitation on duplex Doppler sonography, AJR 1990; **155:** 785
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Ackerman LV: *info* RAD: informatics in radiology: radiology and computer science?, Radiographics 1991; **11:** 1027
Ackerman T; Reed MH: osteomyelitis of the tarsal bones in children, J Canad Assoc Radiol 1990; **41:** 69
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Acton VJ: helpful sialography technique, Australas Radiol 1989; **33:** 171
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Acunas B; Celik L; Acunas A: chest sonography: differentiation of pulmonary consolidation from pleural disease, Acta Radiol 1989; **30:** 273
Acunaş B; Rozanes I; Acunaş G; et al: hydatid cyst of the liver: identification of detached cyst lining on CT scans obtained after cyst puncture, AJR 1991; **156:** 751
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Adam A; MacSweeney JE; Whyte MKB; et al: CT-guided extrapleural drainage of bronchogenic cyst, JCAT 1989; **13:** 1065
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Adam EJ See **Yeoman LJ**
Adam G; Bohndorf K; Drobnitzky M; et al: MR imaging of the knee: three-dimensional volume imaging combined with fast processing, JCAT 1989; **13:** 984
Adam G; Dammer M; Bohndorf K; et al: rheumatoid arthritis of the knee: value of gadopentetate dimeglumine-enhanced MR imaging, AJR 1991; **156:** 125
Adam G; Knuechel R; Vorwerk D; et al: tissue response of the biliary and digestive system of rabbits after MTBE infusion into the gallbladder, Invest Radiol 1990; **25:** 58
Adam WR See **Rashid SA**
Adametz JR See **Seibert JJ**
Adami H-O See **Bergholm U**
Adami H-O See **Johansson JE**
Adami H-O; Gunnarsson T; Sparén P; et al: prevalence of cancer in Sweden 1984, Acta Oncol 1989; **28:** 463
Adams BD See **Walker CW**
Adams BK: scintigraphy in a patient with complicated osteopetrosis, Clin Nucl Med 1989; **14:** 323
Adams BK; Fataar A; Byrne MJ; et al: pentavalent technetium-99m (V)-DMSA uptake in a pheochromocytoma in a patient with Sipple's syndrome, J Nucl Med 1990; **31:** 106
Adams DA See **Davis PC**
Adams DB See **Kachalia P**
Adams DS See **Papageorges M**
Adams FG See **Hollman AS**
Adams GE; Stratford IJ; Godden J; et al: enhancement of the anti-tumor effect of melphalan in experimental mice by some vaso-active agents, Int J Radiat Oncol Biol Phys 1989; **16:** 1137
Adams GE; Stratford IJ; Nethersell ABW; et al: induction of severe tumor hypoxia by modifiers of the oxygen affinity of hemoglobin, Int J Radiat Oncol Biol Phys 1989; **16:** 1179
Adams GL: treatment of head and neck cancer with combined modalities, Invest Radiol 1989; **24:** 562
Adams GR See **Fisher MJ**
Adams GW See **Reinig JW**
Adams H See **Butterworth R**
Adams H See **Etherington RJ**
Adams H; Bernard MS; McConnochie K: appraisal of CT pulmonary density mapping in normal subjects, Clin Radiol 1991; **43:** 238
Adams H; Roberts GM; Smith PM: oesophageal tears during pneumatic balloon dilatation for the treatment of achalasia, Clin Radiol 1989; **40:** 53

Adams HP Jr See **Knepper L**
Adams JE See **Clarke JA**
Adams JE See **O'Keefe D**
Adams M; Kerby IJ; Rocker I; et al: comparison of the toxicity and efficacy of cisplatin and carboplatin in advanced ovarian cancer, Acta Oncol 1989; **28:** 57
Adams MD; Ralston WH; Miller JW; et al: electroencephalographic effects of intracisternally injected nonionic x-ray contrast media in rats, Invest Radiol 1990; **25:** S86
Adams PC; Kertesz AE; Valberg LS: clinical presentation of hemochromatosis: a changing scene, (ab), Radiology 1991; **181:** 616
Adams PL See **Zagoria RJ**
Adams R; Lacy JL; Ball ME; et al: count rate performance of a multiwire gamma camera measured by a decaying source method with 9.3-minute tantalum-178, J Nucl Med 1990; **31:** 1723
Adams WJ See **Dumoulin CL**
Adamsbaum C; Kalifa G; Seringe R; et al: minor tibial duplication: a new cause of congenital bowing of the tibia, Pediatr Radiol 1991; **21:** 185
Adamsbaum C; Sellier N; Helardot P: ileocolic intussusception with enterogenous cyst: ultrasonic diagnosis, Pediatr Radiol 1989; **19:** 325
Adamson SL; Morrow RJ; Bascom PAJ; et al: effect of placental resistance, arterial diameter, and blood pressure on the uterine arterial velocity waveform: a computer modeling approach, Ultrasound Med Biol 1989; **15:** 437
Adamson SL; Morrow RJ; Langille BL; et al: site-dependent effects of increases in placental vascular resistance on the umbilical arterial velocity waveform in fetal sheep, Ultrasound Med Biol 1990; **16:** 19
Adatepe MH See **Soo MSC**
Aday LA; Andersen RM; Levey GS; et al: National Study of Internal Medicine Manpower. XII. the future of graduate medical education in internal medicine: what do program directors predict?, (ab), Radiology 1989; **170:** 295
Adcock EW See **Keeney SE**
Adcock KA; Roth JC: skeletal scintigraphy of multiple bone infarctions, Clin Nucl Med 1989; **14:** 852
Adcock LL See **Potish RA**
Adear H; Barki Y: multiseptate gallbladder in a child: incidental diagnosis on sonography, Pediatr Radiol 1990; **20:** 192
Adedoyin MA See **Nzeh DA**
Adelstein SJ See **Makrigiorgos GM**
Adey CK: color blood flow imaging of the heart, Radiology 1989; **172:** 1012
Adey CK: magnetic resonance imaging of congenital heart disease, Radiology 1989; **173:** 768
Adey CK: ultrasound mammography: methods, results, diagnostic strategies, Radiology 1990; **175:** 328
Adielsson G See **Aspelin P**
Adkins MC See **duCret RP**
Adkins MC; Halvorsen RA Jr; duCret RP: CT evaluation of atypical hepatic fatty metamorphosis, JCAT 1990; **14:** 1013
Adkins RH See **Matsuura P**
Adler BD; Breidahl P: diverticular mass mimicking ovarian malignancy, Australas Radiol 1990; **34:** 260
Adler CP See **Reinbold W-D**
Adler C-P: case report 587, Skeletal Radiol 1990; **19:** 55
Adler DD See **Cook KL**
Adler DD See **Helvie MA**
Adler DD See **Jeffries DO**
Adler DD See **Rebner M**
Adler DD: ultrasound of benign breast conditions, Semin US CT MR 1989; **10:** 106
Adler DD; Carson PL; Rubin JM; et al: Doppler ultrasound color flow imaging in the study of breast cancer: preliminary findings, Ultrasound Med Biol 1990; **16:** 553
Adler DD; Helvie MA; Ikeda DM: nonpalpable, probably benign breast lesions: follow-up strategies after initial detection on mammography, AJR 1990; **155:** 1195
Adler DD; Helvie MA; Oberman HA; Ikeda DM; Bhan AO: radial sclerosing lesion of the breast: mammographic features, Radiology 1990; **176:** 737
Adler DD; Jeffries DO; Helvie MA: sonographic features of breast hamartomas, J Ultrasound Med 1990; **9:** 85
Adler GF See **Hamilton CS**
Adler J; Chakera TMH; Thompson R: necrobacillosis, Australas Radiol 1990; **34:** 256
Adler J; Robey G: acute aorto-iliac thrombosis in a young man shown on unenhanced computed tomography, Br J Radiol 1989; **62:** 627
Adler JS; Cameron DC: erosive spondylo-arthropathy and tertiary hyperparathyroidism, Australas Radiol 1989; **33:** 90
Adler L See **Litvack F**
Adler LP See **Gentili A**
Adler LP See **Morrison SC**
Adler LP; Blair HF; Makley JT; et al: noninvasive grading of musculoskeletal tumors using PET, J Nucl Med 1991; **32:** 1508
Adler LP; Blair HF; Williams RP; et al: grading liposarcomas with PET using [^{18}F]FDG, JCAT 1990; **14:** 960
Adler OB See **Engel A**
Adler OB See **Pery M**
Adler OB; Engel A: mammographic wire-guided biopsies in non-palpable breast lesions, Eur J Radiol 1989; **9:** 108
Adler RS See **Bude R**
Adler RS See **Coral A**
Adler RS See **Price CI**
Adler RS See **Rubin JM**
Adler RS; Chenevert TL; Fowlkes JB; et al: calculation of pressure gradients from MR velocity data in a laminar flow model, JCAT 1991; **15:** 483
Adler RS; Rubin JM; Bland PH; et al: quantitative tissue motion analysis of digitized M-mode images: gestational differences of fetal lung, Ultrasound Med Biol 1990; **16:** 561
Adler RS; Rubin JM; Price CI: interpretation of submerged laminar jets: ureteric jet phenomenon, Radiology 1991; **178:** 888
Adler S See **Feldmann HJ**
Adler SS See **Geremia GK**
Adolfsson J: deferred therapy in well and moderately differentiated prostate cancer, Acta Oncol 1991; **30:** 225
Adolfsson J; Skoog L; Löwhagen T; et al: Franzén transrectal fine-needle biopsy versus ultrasound-guided transrectal core biopsy of the prostate gland, Acta Oncol 1991; **30:** 159
Adolfsson J; Tribukait B: modal DNA-values in prostate cancer patients with deferred therapy or endocrine therapy, Acta Oncol 1991; **30:** 209
Adu D See **Manns RA**
Adye BA; Raabe RD; Zobell RL: errant percutaneous Greenfield filter placement into the retroperitoneum, (ab), JVIR 1990; **1:** 136
Adye BA; Raabe RD; Zobell RL: errant percutaneous Greenfield filter placement into the retroperitoneum, (ab), Radiology 1991; **178:** 294
Adzamli IK; Blau M: phosphonate-modified GdDTPA complexes: I. NMRD study of the solution behavior of new tissue-specific contrast agents, Magn Res Med 1991; **17:** 141
Adzamli IK; Johnson D; Blau M: phosphonate-modified GdDTPA complexes: II. evaluation in a rat myocardial infarct model, Invest Radiol 1991; **26:** 143
Adzamli IK; Jolesz FA; Bleier AR; et al: effect of gadolinium DTPA on tissue water compartments in slow- and fast-twitch rabbit muscles, Magn Res Med 1989; **11:** 172
Adzamli IK; Seltzer SE; Slifkin M; et al: production and characterization of improved liposomes containing radiographic contrast media, Invest Radiol 1990; **25:** 1217
Adzick NS See **Langer JC**
Aengevaeren WRM See **Smits P**
Aeppli DM See **Lee CKK**
Afshani E See **Kaveggia L**
Afshani E See **Langer LO Jr**
Afshani E; Kuhn JP: common causes of low back pain in children, Radiographics 1991; **11:** 269
Afshar F See **Thomson ES**
af Trampe E; Lundell G; Lax I; et al: external radiation of growth hormone producing pituitary adenomas: prolactin as a marker of hypothalamic and pituitary effects, Int J Radiat Oncol Biol Phys 1991; **20:** 655
Afzal SMJ See **Tenforde TS**
Afzal SMJ; Tenforde TS; Kavanau KS; et al: reoxygenation in a rat rhabdomyosarcoma tumor following X-irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 473
Agahai E See **Hardoff R**
Agard ET: dosimetry in radiotherapy. 2 vols, Radiology 1989; **172:** 724
Agartz I See **Wahlund L-O**
Agartz I; Sääf J; Wahlund L-O; Wetterberg L: T1 and T2 relaxation time estimates in the normal human brain, Radiology 1991; **181:** 537
Agarwal P See **Savit RM**
Agee MW See **Renner JB**
Aggarwal S See **Kumar A**
Aggarwal S See **Sharma S**
Aggarwal S; Byrne BD: posterior fossa epidermoid in a member of a kindred with von Hippel–Lindau disease, J Canad Assoc Radiol 1990; **41:** 225
Aggarwal S; Goulatia RK; Sood A; et al: POEMS syndrome: a rare variety of plasma cell dyscrasia, AJR 1990; **155:** 339
Aggarwal S; Kumar A; Nijhawan S; et al: bleeding Meckel's diverticulum demonstrated by digital subtraction angiography, Pediatr Radiol 1989; **19:** 438
Aggarwal S; Misra NK; Sharma S: false-negative IV-DSA in external jugular phlebectasia, J Canad Assoc Radiol 1989; **40:** 57
Aghahowa JE See **Odita JC**
Agildere AM; Haliloglu M; Cila A; et al: laryngeal edema, following the injection of iohexol into the subarachnoid space, Neuroradiol 1991; **33:** 290
Agnelli G See **Levi M**
Agnew R See **Browdie DA**
Agosti SJ See **Kline ME**
Agostini S; Choux R; Payan M-J; Sastre B; Sahel J; Clement JP: mucinous pancreatic duct ectasia in the body of the pancreas, Radiology 1989; **170:** 815
Ågren A; Brahme A; Turesson I: optimization of uncomplicated control for head and neck tumors, Int J Radiat Oncol Biol Phys 1990; **19:** 1077
Agress H Jr See **Villani MA**
Agrifoglio A See **Duvoisin B**
Agrons GA; Han SS; Husson MA; et al: MR imaging of cerebral gumma, AJNR 1991; **12:** 80
Agrons GA; Maslack MM; Parry CE; et al: multiple coarctations of the pulmonary artery: scintigraphic appearance, Clin Nucl Med 1990; **15:** 19
Aguado C See **Marti-Bonmati L**
Aguayo JB See **Cheng H-M**
Aguirán ERA See **de Gregorio Ariza MA**
Aguirre FV; Pearson AC; Lewen MK; et al: usefulness of Doppler echocardiography in the diagnosis of congestive heart failure, (ab), Radiology 1990; **174:** 293
Agustin JJT; Martinench EG; Correiger FC; et al: computed tomography of a post traumatic spinal archnoid cyst, Neuroradiol 1989; **31:** 354
A'Hern RP See **Dearnaley DP**
Ahern V; Arthur G; Langlands AO; et al: Brown-Sequard syndrome following chemotherapy and radiotherapy in breast carcinoma—a case report, Australas Radiol 1991; **35:** 181
Ahier RG See **King MD**
Ahkong QF See **Tilcock CP**
Ahkong QF See **Unger EC**
Ahlbäck SO See **Fürst CJ**
Ahlbäck S-O See **Rudberg U**
Ahlgren M See **Hederström E**
Ahlgren P See **Jensen PR**
Ahlgren P See **Nielsen VAH**
Ahlman H See **Tisell L-E**
Ahlman H; Scherstén T; Tisell L-E: surgical treatment of patients with the carcinoid syndrome, Acta Oncol 1989; **28:** 403
Ahlquist DA; Klee GG; McGill DD; et al: colorectal cancer detection in the practice setting: impact of fecal blood testing, (ab), Radiology 1990; **177:** 290
Ahlström H; Enblad P; Andersson A; et al: spatial distribution of parenterally administered monoclonal antibodies against CEA in a human colorectal tumour xenograft, Acta Oncol 1989; **28:** 81
Ahlström H; Feltelius N; Nyman R; et al: magnetic resonance imaging of sacroiliac joint inflammation, (ab), Radiology 1991; **180:** 295
Ahlström H; Magnusson A; Grama D; et al: preoperative localization of endocrine pancreatic tumours by intra-arterial dynamic computed tomography, Acta Radiol 1990; **31:** 171
Åhlund L; Nilsson O; Kling-Petersen T; et al: serotonin-producing carcinoid tumour cells in long-term culture: studies on serotonin release and morphological features, Acta Oncol 1989; **28:** 341
Ahmad K; Kim YH; Deppe G; et al: results of treatment in locally advanced carcinoma of the endometrium, Acta Oncol 1990; **29:** 203
Ahmad M See **Pieri P**
Ahmad M; Dubiel JP: left ventricular response to exercise in regular runners and controls: a radionuclide evaluation, Clin Nucl Med 1990; **15:** 630
Ahmadi H; Larsson EM; Jinkins JR: normal pituitary gland: coronal MR imaging of infundibular tilt, Radiology 1990; **177:** 389
Ahmadi R See **Minar E**
Ahmed A; Hamza HM: barium sulfate absorption and sensitivity, Radiology 1989; **172:** 213
Ahmed IH; Logus JW; El-Khatib E; et al: computerized tomography versus perfusion lung scanning in canine radiation lung injury, Int J Radiat Oncol Biol Phys 1990; **18:** 577
Ahmed R See **Ansari SM**
Ahn CB; Cho ZH: analysis of eddy currents in nuclear magnetic resonance imaging, Magn Res Med 1991; **17:** 149
Ahn CB; Cho ZH: diffusion and perfusion in high resolution NMR imaging and microscopy, Magn Res Med 1991; **19:** 228
Ahn D See **Nowakowski VA**
Ahn DK See **Phillips TL**

Ahn D-S See **Song H-Y**
Ahn HS; Anderson JH: modified transparent angiography catheter: preliminary in vivo and in vitro evaluations, AJNR 1989; **10:** 587
Ahnesjö A See **Eklöf A**
Ahonen A See **Paul R**
Ahovuo J See **Kinnunen J**
Ahovuo J; Paavolainen P; Björkenheim J-M: fractures of the proximal humerus involving the intertubercular groove, Acta Radiol 1989; **30:** 373
Ahovuo J; Paavolainen P; Björkenheim J-M: ultrasonography in lesions of the rotator cuff and biceps tendon, Acta Radiol 1989; **30:** 253
Ahovuo J; Paavolainen P; Homström T: ultrasonography of the tendons of the shoulder, Eur J Radiol 1989; **9:** 17
Ahovuo J; Paavolainen P; Saarinen O: shoulder arthrography with sodium meglumine metrizoate and iopamidol, Skeletal Radiol 1989; **18:** 89
Åhre A See **Österborg A**
Ahrens CR See **Bixler RP**
Åhsgren LR See **Rutegård JN**
Aicardi J See **Lipski S**
Aicher K See **König H**
Aicher KP See **Wendland MF**
Aideyan OA See **Sharif HS**
Aigner TG See **Doudet DJ**
Aikawa H See **Matsunaga N**
Aikawa H See **Mori H**
Aikins DG See **Mayo JR**
Aiko Y See **Nishio S**
Ailion DC See **Shioya S**
Aiman EJ See **Thorsen MK**
Ainge G See **Zerin JM**
Ainge GD See **vanSonnenberg E**
Airaksinen J See **Ikäheimo MJ**
Airaksinen T See **Taavitsainen M**
Aisa-Varela P See **Cantos-Melian B**
Aisen AM See **Borrello JA**
Aisen AM See **Caron KH**
Aisen AM See **Kaplan GD**
Aisen AM See **Kavanaugh KM**
Aisen AM See **Sze G**
Aisen AM: body MR imaging and the local staging of neoplasms, Radiology 1990; **176:** 617
Aisen AM: MRI of central nervous system diseases, Radiology 1991; **178:** 140
Aisen AM; Chenevert TL: MR spectroscopy: clinical perspective, Radiology 1989; **173:** 593
Aisner J See **Whitley NO**
Aisner S See **Hirsch FR**
Aisner SC See **Resnik CS**
Aisner SC See **Young JWR**
Aisner SC; Chakravarthy AK; Joslyn JN; et al: bilateral granular cell tumors of the posterior mediastinum, (ab), Radiology 1989; **172:** 586
Aitken AGF See **Murchison J**
Aitken PA See **Levy RA**
Aitkoolova ZI See **Balmukhanov SB**
Aizcorbe M See **Franquet T**
Aizpuru R See **Yedlicka JW Jr**
Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J: meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Radiology 1991; **179:** 819
Ajjimakorn S; Bhamarapravati Y: transvaginal ultrasound and the diagnosis of fallopian tubal carcinoma, JCU 1991; **19:** 116
Ajlouni M See **Lewis JW Jr**
Ajzen S See **Flak B**
Ajzen SA; Goldenberg SL; Allen GJ; Cooperberg PL; Chan NH; Jones EC: palpable prostatic nodules: comparison of US and digital guidance for fine-needle aspiration biopsy, Radiology 1989; **171:** 521
Akabani G; Poston JW Sr: absorbed dose calculations to blood and blood vessels for internally deposited radionuclides, J Nucl Med 1991; **32:** 830
Akabani G; Poston JW Sr; Bolch WE: estimates of beta absorbed fractions in small tissue volumes for selected radionuclides, J Nucl Med 1991; **32:** 835
Akahoshi K See **Fujishima H**
Akahoshi K; Misawa T; Fujishima H; et al: preoperative evaluation of gastric cancer by endoscopic ultrasound, (ab), Radiology 1991; **181:** 610
Akai M; Ohno T; Sugano I; et al: case report 601, Skeletal Radiol 1990; **19:** 154
Akanabe H See **Oshima M**
Akber SF: correlation between oxygen tension and spin-lattice relaxation rate in tumors, Eur J Radiol 1989; **9:** 56
Akber SF: correlation between spin lattice relaxation time and tumor growth, Eur J Radiol 1989; **9:** 198
Akber SF: is there a correlation between spin-lattice relaxation time and radiation sensitivity?, Acta Radiol 1990; **31:** 541
Åkerfeldt D See **Magnusson A**
Åkerström G: surgical treatment of carcinoids and endocrine pancreatic tumours, Acta Oncol 1989; **28:** 409
Åkerström G; Johansson H; Grama D: surgical treatment of endocrine pancreatic lesions in MEN-1, Acta Oncol 1991; **30:** 541
Åkerström G; Makridis C; Johansson H: abdominal surgery in patients with midgut carcinoid tumors, Acta Oncol 1991; **30:** 547
Akhan O; Demirkazik FB; Demirkazik A; et al: tuberculous peritonitis: ultrasonic diagnosis, JCU 1990; **18:** 711
Akhan O; Dinçer A; Saatçi I; et al: spinal intradural hydatid cyst in a child, Br J Radiol 1991; **64:** 465
Akhtar R See **Krasnow AZ**
Akiguchi I See **Sawada H**
Akimoto K See **Ino T**
Akimura T; Kameda H; Abiko S; et al: infrasellar craniopharyngioma, Neuroradiol 1989; **31:** 180
Akine Y See **Tokita N**
Akine Y; Arimoto H; Ogino T; et al: carcinoma of the uterine cervix treated by irradiation alone: results of treatment at the National Cancer Center, Tokyo, Acta Oncol 1990; **29:** 747
Akine Y; Tokita N; Ogino T; et al: dose equivalence for high-dose-rate to low-dose-rate intracavitary irradiation in the treatment of cancer of the uterine cervix, Int J Radiat Oncol Biol Phys 1990; **19:** 1511
Akine Y; Tokita N; Ogino T; et al: radiotherapy of T1 glottic cancer with 6 MeV X rays, Int J Radiat Oncol Biol Phys 1991; **20:** 1215
Akins EW See **Daniel TB**
Akins EW See **Hansen EC**
Akins EW See **Hawkins IF Jr**
Akins EW See **Pry R**
Akins EW; Brateman LF; Williams CM; Mietling SW; Franco EA: improved detection of healed myocardial infarction by Fourier amplitude and phase imaging in two projections: validation with MRI, Radiographics 1989; **9:** 323
Akins EW; Hawkins IF Jr; Mladinich C; et al: blunt needle: a new percutaneous access device, AJR 1989; **152:** 181
Akins EW; Martin TD; Alexander JA; et al: MR imaging of double-outlet right ventricle, AJR 1989; **152:** 128
Akins EW; Slone RM; Wiechmann BN; et al: perivalvular pseudoaneurysm complicating bacterial endocarditis: MR detection in five cases, AJR 1991; **156:** 1155
Akira M; Higashihara T; Yokoyama K; Yamamoto S; Kita N; Morimoto S; Ikezoe J; Kozuka T: radiographic type p pneumoconiosis: high-resolution CT, Radiology 1989; **171:** 117
Akira M; Yamamoto S; Yokoyama K; Kita N; Morinaga K; Higashihara T; Kozuka T: asbestosis: high-resolution CT–pathologic correlation, Radiology 1990; **176:** 389
Akira M; Yokoyama K; Yamamoto S; Higashihara T; Morinaga K; Kita N; Morimoto S; Ikezoe J; Kozuka T: early asbestosis: evaluation with high-resolution CT, Radiology 1991; **178:** 409
Akisada M See **Niitsu M**
Akisada M See **Ohara K**
Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T: percutaneous treatments for biliary diseases, Radiology 1990; **176:** 25
Akiyama K See **Hara N**
Akkad S See **Banna M**
Akre CM See **Hayes AA**
Aksut S; Gal R; Port S: breast uptake of technetium-99m MDP during radionuclide angiography, Clin Nucl Med 1990; **15:** 517
Aktolun C; Bayhan H: detection of focal nodular hyperplasia with liver colloid single photon emission computed tomography: a case report and review of the literature, Br J Radiol 1991; **64:** 64
Aktolun C; Demirel D; Kir M; et al: technetium-99m-MIBI and thallium-201 uptake in pulmonary actinomycosis, J Nucl Med 1991; **32:** 1429
Akuta K See **Jo S**
Akyol F See **Atahan IL**
Alachkar F See **Theron J**
Alagappian R See **Baumgartner BR**
Alam M; Serwin JB; Rosman HS; et al: transesophageal echocardiographic features of normal and dysfunctioning bioprosthetic valves, (ab), Radiology 1991; **181:** 911
Alanen A See **Kallio T**
Alanen A See **Komu M**
Alanen A See **Paajanen H**
Al-Ansari AG See **Al-Hindawi M**
Alaranta H See **Hurme M**
Alarcón G See **Altman R**
Alarcon J See **Vassiliades VG**
Alarcon JJ See **Steinberg HV**
Alasaarela E See **Koivukangas J**
Alasaarela E; Koivukangas J: evaluation of image quality of ultrasound scanners in medical diagnostics, J Ultrasound Med 1990; **9:** 23
Alastrué A See **Casas DJ**
Alavi A See **Alavi JB**
Alavi A See **Diamond RH**
Alavi A See **Eisenberg B**
Alavi A See **Fazekas F**
Alavi A See **Jolles PR**
Alavi A See **Kapouleas I**
Alavi A See **Keenan AM**
Alavi A See **Kim HC**
Alavi A See **Kohn MI**
Alavi A See **Kung HF**
Alavi A See **Palevsky HI**
Alavi A See **Rosenberg DJ**
Alavi A See **Rothstein RD**
Alavi A See **Silfen D**
Alavi A See **Tanna NK**
Alavi A See **Velchik MG**
Alavi A See **Weiss D**
Alavi A; Alavi JB; Lenkinski RE: complementary roles of PET and MR spectroscopy in the management of brain tumors, Radiology 1990; **177:** 617
Alavi A; Engelman K; Dweck E: perivesicle pheochromocytoma: the role of iodine-131-MIBG imaging, J Nucl Med 1990; **31:** 1669
Alavi A; Grossman R; Siegel A; et al: intraperitoneal urine leak following renal transplant: the role of radionuclide imaging, J Nucl Med 1990; **31:** 1206
Alavi A; Hirsch LJ: studies of central nervous system disorders with single photon emission computed tomography and positron emission tomography: evolution over the past 2 decades, Semin Nucl Med 1991; **21:** 58
Alavi A; Kramer E; Wegener W: magnetic resonance and fluorine-18 deoxyglucose imaging in the investigation of a spinal cord tumor, J Nucl Med 1990; **31:** 360
Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ: radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Radiology 1990; **175:** 79
Alavi A; Palevsky HI; Weiss DW: pulmonary hypertension secondary to chronic thromboembolism, J Nucl Med 1990; **31:** 1
Alavi JB See **Alavi A**
Alavi JB; Alavi A; Chawluk J; et al: positron emission tomography in patients with glioma: a predictor of prognosis, (ab), Radiology 1989; **171:** 591
Alazraki NP See **Kolla IS**
Al-Badawi MG See **Hawass N-E-D**
Albanese MA See **Erkonen WE**
Albeck M See **Pakkenberg B**
Albelda SM See **Shapiro MJ**
Alberhasky MT See **Lindfors KK**
Albert D See **Pardo FS**
Albert DA; Rimon D; Silverstein MD: diagnosis of polyarteritis nodosa. I. a literature-based decision analysis approach, (ab), Radiology 1989; **171:** 886
Albert DA; Silverstein MD; Paunicka K; et al: diagnosis of polyarteritis nodosa. II. empirical verification of a decision analysis model, (ab), Radiology 1989; **171:** 886
Albert DM See **Minichiello MM**
Albert F See **Glass-Royal MC**
Albert JL See **Howe RS**
Albert K; Sudmeier JL; Anwer MS; et al: continuous-flow ^{13}C-filtered ^{1}H NMR spectroscopy of ethanol metabolism in rat liver perfusate, Magn Res Med 1989; **11:** 309
Albert MB; Fromm H; Shehan CM: densely calcified gallstone treated successfully with piezoelectric lithotripsy, (ab), Radiology 1990; **176:** 587
Alberti GP See **Marani SAD**
Alberti W; Pothmann B; Tabor P; et al: dosimetry and physical treatment planning for iodine eye plaque therapy, Int J Radiat Oncol Biol Phys 1991; **20:** 1087
Albertsson M See **Eskilsson J**
Albertsson M See **Samuelsson L**
Albertsson M See **Tennvall J**
Albertsson M; Ewers S-B; Widmark H; et al: evaluation of the palliative effect of radiotherapy for esophageal carcinoma, Acta Oncol 1989; **28:** 267
Albertsson M; Hambraeus GM: is an oesophagobronchial fistula an absolute contraindication for treatment in cases of oesophageal cancer?, Acta Oncol 1990; **29:** 1060
Albertyn LE: magnetic resonance imaging in herpes simplex encephalitis, Australas Radiol 1990; **34:** 117
Albertyn LE: rationales for the use of intravenous contrast medium in computed tomography, Australas Radiol 1989; **33:** 29
Albertyn LE; Drew AC: mammographically detected microcalcifications due to pseudoxanthoma elasticum, Australas Radiol 1991; **35:** 81

Albertyn LE; Ganguly BS; Cooper JE; et al: turtleback liver on CT and ultrasound: schistosoma japonica revisited, Australas Radiol 1990; 34: 78

Albertyn LE; Humeniuk V: mammographic hook wire localization—a step by step guide, Australas Radiol 1989; 33: 97

Albiero F See d'Avella D

Albiez KL See Grist TM

Albin RJ; Johnston GS: external accumulation of radionuclide in hepatic hydrothorax, Clin Nucl Med 1989; 14: 341

Albores-Saavedra J See Brown SM

Albores-Saavedra J See Murphy BJ

Al-Boukai AA See Hawass N-E-D

Albrecht BH See Kumpe DA

Albrecht M See Braunstein EM

Albrechtsson U See Kehler M

Albrechtsson U See Ohlsén H

Albrechtsson U See Thorvinger B

Albright AL See Horton JA

Albright AL; Gartner JC; Wiener ES: lumbar cutaneous hemangiomas as indicators of tethered spinal cords, (ab), Radiology 1989; 173: 888

Alburger PD See Stewart GJ

Alcock CJ See Wiernik G

Alcorn FS: value of mammographic screening: assessment of studies and opinion, Radiographics 1990; 10: 1133

Aldama AE See Venger BH

Aldana O See Co E

Al-Deeb SM See Sharif HS

Alder DC See Osborn RE

Alder ME See Hasso AN

Alderman DW See Nagel TL

Alderson PO See Butler SP

Alderson PO See Liang BA

Alderson PO See Mettler FA Jr

Alderson PO: another look at pulmonary embolism, Radiology 1989; 172: 313

Alderson PO: imaging insights: scintigraphy of GI bleeding, (ab), Radiology 1991; 180: 882

Aldis AE See Fraser-Hill MA

Aldrich H See Uglietta JP

Alegret X See Mata JM

Alerci M; Dore R: computed tomography of cystic lymphangioma in a wandering spleen, Acta Radiol 1990; 31: 589

Alessi DM See Andrews JC

Alessi DM; Trapp TK; Fu YS; et al: nonsalivary sinonasal adenocarcinoma, (ab), Radiology 1989; 171: 887

Alexander AA See Rifkin MD

Alexander AA See Turetsky DB

Alexander CJ: osteoarthritis: a review of old myths and current concepts, Skeletal Radiol 1990; 19: 327

Alexander CJ: relationship between the utilisation profile of individual joints and their susceptibility to primary osteoarthritis, Skeletal Radiol 1989; 18: 199

Alexander E III See Carvalho PA

Alexander E III See Loeffler JS

Alexander E III See Nedzi LA

Alexander FE See Roberts MM

Alexander HG See Shanley DJ

Alexander JA See Akins EW

Alexander JA See Cuellar RE

Alexander JA; Lichtman JB; Varma VA: ultrasound demonstration of a papillary cystadenoma of the epididymis, JCU 1991; 19: 442

Alexander JE; Seibert JJ; Glasier CM; et al: high-resolution hip ultrasound in the limping child, JCU 1989; 17: 19

Alexander JM See Oskin JE

Alexander MS See Gelman R

Alexander MS; Blake RA; Gelman R: visualization of a recanalized umbilical vein on hepatobiliary imaging with CT correlation, Clin Nucl Med 1991; 16: 517

Alexander MSM See Impallomeni MG

Alexander MSM; Edelman GM; Man K; et al: dysphagia after fast neutron therapy to the head and neck, Br J Radiol 1989; 62: 724

Alexander PW; Sanders C; Nath H: cavitary pulmonary metastases in transitional cell carcinoma of urinary bladder, AJR 1990; 154: 493

Alexander PW; Shin MS: CT manifestation of sternoclavicular pyarthrosis in patients with intravenous drug abuse, JCAT 1990; 14: 104

Alexander RC See Sato Y

Alexander RW See Rubin E

Alexander TW See Naisby GP

Alexanian R; Barlogie B; Dixon D: prognosis of asymptomatic multiple myeloma, (ab), Radiology 1989; 170: 903

Alexiou J; Deloffre D; Vandresse J-H; et al: post-myelographic meningeal irritation with iohexol, Neuroradiol 1991; 33: 85

Alfieri AA See Kim JH

Alfieri K See Tsai FY

Alfirevic Z See Kurjak A

Alford BA See Day DL

Alford BA See Dehrer-Wendt LA

Alford BA See Langer LO Jr

Alford NM See Hall AS

Alfthan C See Mouridsen HT

Alger JR See Bizzi A

Alger JR See Brooks RA

Alger JR See Sotak CH

Alger JR See van Zijl PCM

Alger JR; Brunetti A: phase-distortion-free *in vivo* surface coil proton spectroscopy, Magn Res Med 1989; 12: 379

Alger JR; Brunetti A; Nagashima G; et al: evaluation of a newly discovered water suppression pulse sequence for high-field *in vivo* ^1H surface coil NMR spectroscopy, Magn Res Med 1989; 11: 73

Alger JR; Frank JA; Bizzi A; Fulham MJ; DeSouza BX; Duhaney MO; Inscoe SW; Black JL; van Zijl PCM; Moonen CTW; Di Chiro G: metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET, Radiology 1990; 177: 633

Algra PR See Haan J

Algra PR See Schaling DF

Algra PR; Barkhof F; Valk J: prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US, Radiology 1990; 177: 885

Algra PR; Bloem JL; Tissing H; Falke THM; Arndt J-W; Verboom L: detection of vertebral metastases: comparison between MR imaging and bone scintigraphy, Radiographics 1991; 11: 219

Al-Hindawi M; Whitehouse GH; Al-Ansari AG; et al: calcification of the large bowel in schistosomiasis demonstrated by computed tomography, Br J Radiol 1990; 63: 357

Alho A See Høiseth A

Ali A See LaRoy L

Ali A See Park C

Ali A See Rosenson AS

Ali A See Salomon CG

Ali GM; Kordorff R; Franke D: ultrasound volumetry in hematometrocolpos, JCU 1989; 17: 257

Ali I; Unruh H: management of empyema thoracis, (ab), Radiology 1991; 179: 884

Aliabadi P See Lee J-H

Aliabadi P; Tumeh SS; Weissman BN; McNeil BJ: cemented total hip prosthesis: radiographic and scintigraphic evaluation, Radiology 1989; 173: 203

Ali Khan MA; Mullins CE; Nihil MR; et al: percutaneous catheter closure of the ductus arteriosus in children and young adults, (ab), Radiology 1990; 174: 586

Aliotta PJ; Castillo J; Englander LS; et al: primary mediastinal germ cell tumors: histologic patterns of treatment failures at autopsy, (ab), Radiology 1989; 171: 291

Al Karawi MA See El-Shiekh Mohamed AR

Al-Katib AM See Negendank WG

Al-Kawas F See Zeman RK

Alkrinawi S; Gradus DB-E; Goldstein J: ultrasonographic pattern of congenital nephrotic syndrome of Finnish type, JCU 1989; 17: 443

Al-Kutoubi MAO See Tran TL

Allaer D See Peetrons P

Allalunis-Turner J See Keng PC

Allan A See Fullarton GM

Allan PL See Loupas T

Allan WC See Philip AGS

Allard JC; Bancroft J: irreducible posterior dislocation of the shoulder: MR and CT findings, JCAT 1991; 15: 694

Allard L; Langlois YE; Durand L-G; et al: computer analysis and pattern recognition of Doppler blood flow spectra for disease classification in the lower limb arteries, Ultrasound Med Biol 1991; 17: 211

Allard P; Yankaskas BC; Fletcher RH; et al: sensitivity and specificity of computed tomography for the detection of adrenal metastatic lesions among 91 autopsied lung cancer patients, (ab), Radiology 1991; 178: 897

Allee PE; Tepper JE; Gunderson LL; et al: postoperative radiation therapy for incompletely resected colorectal carcinoma, Int J Radiat Oncol Biol Phys 1989; 17: 1171

Allego MM: romancing the stones, Radiology 1990; 177: 466

Allegrini PR; van Velzen D; van Loosen J; et al: differentiation of proliferating from resting cartilage in human fetal nasal septum by magnetic resonance imaging, Magn Res Med 1990; 14: 369

Allegro MM: To Nancy Brown, radiologist par excellence, Radiology 1991; 178: 744

Allen B; Loflin TG; Embry BM; Gaskin TA; Isobe JH; Martin RG: occluded peripheral arteries: clinical utility of argon laser recanalization, Radiology 1990; 176: 543

Allen BA; Levinthal C: CARTOS II semi-automated nerve tracing: three-dimensional reconstruction from serial section micrographs, Comput Med Imag Graph 1990; 14: 319

Allen BJ: potential of neutron capture therapy in the management of uncontrollable localised tumours, Australas Radiol 1990; 34: 297

Allen C See Carter CL

Allen CM; Craze J; Grundy A: case report: tuberculous broncho-oesophageal fistula in the acquired immunodeficiency syndrome, Clin Radiol 1991; 43: 60

Allen GJ See Ajzen SA

Allen HA III See Scatarige JC

Allen HD See Hellenbrand WE

Allen HH See Gaspar LE

Allen IS See Johnsen DE

Allen JL See Wolfson BJ

Allen JW See Ruiz CE

Allen KS; Kressel HY; Arger PH; et al: age-related changes of the prostate: evaluation by MR imaging, AJR 1989; 152: 77

Allen LC See Lu DS

Allen NS See Elster AD

Allen PS See Menon RS

Allen PS: in vivo nuclear magnetic resonance spectroscopy applied to medicine, J Canad Assoc Radiol 1990; 41: 39

Allen SJ See Watkinson JC

Allen T See Sherer DM

Allgood M See Terasaki KK

Allgood MR See Radin DR

Alliet KL See Siemann DW

Alliet P See Wilms G

Allis JL See Endre ZH

Allison D See Sackier JM

Allison DJ See Hartnell GG

Allison DJ See Jackson JE

Allison DJ See Rossi P

Allison DJ See Wilkins RA

Allison DJ; Booth A: arterial embolization in the management of liver metastases, Cardiovasc Intervent Radiol 1990; 13: 161

Allison JD See Brooks BS

Allison JW See Purnell GL

Allison JW See Reading CC

Allman T See Lenkinski RE

Allolio B See Reincke M

Allon M: renal abnormalities in sickle cell disease, (ab), Radiology 1990; 176: 884

Allwright SJ; Miller JH; Gilsanz V: subperiosteal abscess in children: scintigraphic appearance, Radiology 1991; 179: 725

Alm GV See Rönnblom LE

Alm P See Lindahl B

Al-Majed SA; Ashour M; El-Kassimi FA; et al: management of post-tuberculous complex aspergilloma of the lung: role of surgical resection, (ab), Radiology 1991; 180: 885

Al-Malt A; Ashmead G; Judge N; et al: color-flow and Doppler velocimetry in prenatal diagnosis of acardiac triplet, J Ultrasound Med 1991; 10: 341

Almassi GH See Goodman LR

Almén T See Bääth L

Almén T See Cederholm C

Almén T; Aspelin P; Levin B: effect of ionic and non-ionic contrast medium on aortic and pulmonary arterial pressure: an angiocardiographic study in rabbits, Invest Radiol 1990; 25: 437

Almgren B See Karacagil S

Al-Mokhlef J See El-Khatib EG

Almond PR See Mills MD

Al Moutaery KR See Sharif HS

Almqvist O See Wahlund L-O

Al-Murrani B; Cosgrove DO; Svensson WE; et al: echogenic rings—an ultrasound sign of early nephrocalcinosis, Clin Radiol 1991; 44: 49

Al-Muzrakchi AM See El-Desouki M

Al-Muzrakchi AM See Hawass N-E-D

Al-Naib S: sonographic appearance of postpartum retropubic hematoma, JCU 1990; 18: 520

Al-Nuaim A See El-Desouki M

Alon U; Berant M; Pery M: intravenous pyelography in children with urinary tract infection and vesicoureteral reflux, (ab), Radiology 1989; 173: 296

Alonso I See Ceres L

Alonso J; Arús C; Westler WM; et al: two-dimensional correlated spectroscopy (COSY) of intact frog muscle: spectral pattern characterization and lactate quantitation, Magn Res Med 1989; 11: 316

Alonso J; Arús C; Westler WM; et al: two-dimensional spectra of intact tissue: homonuclear Hartmann–Hahn spectroscopy provides increased sensitivity and information content as compared to COSY, Magn Res Med 1990; 15: 142

Alonso P See Weinberg B

Alparslan L; Kanberoglu K; Peksayar G; et al: orbital hydatid cyst: assessment of two cases, Neuroradiol 1990; 32: 163

Alper H See Sener RN

Alperin JB See Goodman P

Alpern MB See Dorfman RE

Alpern MB; Dorfman RE; Gross BH; Gottlieb CA; Sandler MA: seminal vesicle cysts: association with adult polycystic kidney disease, Radiology 1991; 180: 79

Alpert NM; Bradshaw JF; Kennedy D; et al: principal axes transformation—a method for image registration, J Nucl Med 1990; **31:** 1717
Al-Refai F See **Russell E**
AlRowaih A See **Björkengren AG**
Al-Sam S See **Joseph AEA**
Alspaugh JP See **Skolkin MD**
Altbach MI; Mattingly MA; Brown MF; et al: magnetic resonance imaging of lipid deposits in human atheroma via a stimulated-echo diffusion-weighted technique, Magn Res Med 1991; **20:** 319
Altendorf-Hofmann A See **Sauer R**
Alterman DD See **Cho KC**
Althof VGM See **Visser AG**
Al-Tikriti MS See **Innis RB**
Altin R See **Steiner RM**
Altin RS See **Flicker S**
Altin RS; Flicker S; Naidech HJ: pseudoaneurysm and arteriovenous fistula after femoral artery catheterization: association with low femoral punctures, AJR 1989; **152:** 629
Altinörs N; Kars Z; Çerezci A; et al: CT and angiography in a patient with three intracranial giant aneurysms, Acta Radiol 1991; **32:** 203
Altmaier E; Smith WL; Wood P; et al: cross-institutional stability of behavorial criteria desirable for success in radiology residency, Invest Radiol 1989; **24:** 249
Altmaier EM See **Smith WL**
Altmaier EM See **Wood PS**
Altman DI; Lich LL; Powers WJ: brief inhalation method to measure cerebral oxygen extraction fraction with PET: accuracy determination under pathologic conditions, J Nucl Med 1991; **32:** 1738
Altman HG See **Schiebler ML**
Altman N See **Aizpuru RN**
Altman R; Alarcón G; Appelrouth D; et al: American College of Rheumatology criteria for the classification and reporting of osteoarthritis of the hip, (ab), Radiology 1991; **181:** 912
Alton D See **Coblentz CL**
Alton DJ See **Daneman A**
Altorki NK; Skinner DB; Segalin A; et al: indications for esophagectomy in nonmalignant Barrett's esophagus: a 10-year experience, (ab), Radiology 1990; **177:** 889
Altschuler C; Resbeut M; Blaise D; et al: fractionated total body irradiation and bone marrow transplantation in acute lymphoblastic leukemia, Int J Radiat Oncol Biol Phys 1990; **19:** 1151
Altschuler MD See **Powlis WD**
Alvarado R See **Rees CR**
Alvarado R; Palmaz JC; Garcia OJ; Tio FO; Rees CR: evaluation of polymer-coated balloon-expandable stents in bile ducts, Radiology 1989; **170:** 975
Alvarez G; Gonzalez-Molina M; Cabello M; et al: pulsed and continuous Doppler evaluation of renal dysfunction after kidney transplantation, Eur J Radiol 1991; **12:** 108
Alvarez G; Sanchez la Fuente J; Lopez J; et al: flow changes in hepatic veins in congestive cardiac insufficiency: a study using pulsed Doppler US, Eur J Radiol 1989; **9:** 163
Alvarez H See **Goulao A**
Alvarez H See **Monaco RG**
Alvarez LA See **Tuchman RF**
Alvarez M See **Pumar JM**
Alvarez M; Lasker MR; Friedman F Jr; et al: sonographic findings in a twin with congenital fetal volvulus, JCU 1991; **19:** 98
Alvarez N See **LeMay M**
Alvarez O See **Rubenstein DJ**
Alvarez-Castells A See **Torrents C**
Alvarez-Castells A; Comet R; Alvarez-Moro J; et al: psoas muscle pancreatic pseudocyst: CT—US diagnosis and percutaneous drainage, Gastrointest Radiol 1989; **14:** 229
Alvarez-Moro J See **Alvarez-Castells A**
Alvarez-Sala R; Blasco R; Callol L; et al: tumour markers in broncho-alveolar lavage, Acta Oncol 1989; **28:** 290
Alvear DT See **Marchant EA**
Alves WM See **Kapouleas I**
Alves WM See **Tanna NK**
Alvord LS; Fine PG: real-time B-scan ultrasound in middle ear assessment: a preliminary report, J Ultrasound Med 1990; **9:** 91
Al Watban J See **von Sinner WN**
Alyassin A See **Lancaster JL**
Alzen G See **Klose K-C**
Alzen G See **Schmitz-Rode T**
Alzen G; Funke G; Truong S: pitfalls in the diagnosis of intussusception, JCU 1989; **17:** 481
Amadio PC See **Smith DK**
Amador R See **Berger PE**
Amalric R See **Kurtz JM**
Amano M See **Kadoya M**
Amanuma M See **Mohiaddin RH**
Amartur S; Haacke EM: modified iterative model based on data extrapolation method to reduce Gibbs ringing, JMRI 1991; **1:** 307
Amaya J See **Munoz A**
Ambardekar ST See **Kinare AS**
Ambrosino MM See **Hernanz-Schulman M**
Ambrosino MM; Hernanz-Schulman M; Horii SC; et al: prenatal diagnosis of nephroblastomatosis in two siblings, J Ultrasound Med 1990; **9:** 49
Amdur RJ See **Neal CR**
Amdur RJ; Parsons JT; Fitzgerald LT; et al: effect of overall treatment time on local control in patients with adenocarcinoma of the prostate treated with radiation therapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1377
Amdur RJ; Parsons JT; Mendenhall WM; et al: postoperative irradiation for squamous cell carcinoma of the head and neck: an analysis of treatment results and complications, Int J Radiat Oncol Biol Phys 1989; **16:** 25
Amdur RJ; Parsons JT; Mendenhall WM; et al: split-course versus continuous-course irradiation in the postoperative setting for squamous cell carcinoma of the head and neck, Int J Radiat Oncol Biol Phys 1989; **17:** 279
Ameli MF See **Stein M**
Amemiya A See **Kubota K**
Amendola BE See **Campbell OR**
Amendola BE See **Seegenschmiedt MH**
Amendola BE; Markoe AM; Augsburger JJ; et al: analysis of treatment results in 36 children with retinoblastoma treated byscleral plaque irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 63
Amendola M: diagnostic techniques in urology, Radiology 1991; **178:** 796
Amendola MA See **Banner MP**
Amendola MA See **Jafri SZH**
Amendola MA See **Sheline M**
Amendola MA: controversies on the management of urinary stones, Radiology 1990; **174:** 152
Amendola MA: essentials of uroradiology, Radiology 1991; **181:** 134
Amendola MA: magnetic resonance imaging of carcinoma of the urinary bladder, Radiology 1991; **181:** 848
Amendola MA: practical NMR imaging, Radiology 1989; **172:** 152
Amendola MA: textbook of uroradiology, Radiology 1991; **181:** 438
Amendola MA; Banner MP; Pollack HM; et al: fluoroscopically guided pyeloureteral interventions by using a perurethral transvesical approach, AJR 1989; **152:** 97
Amenta PS See **Glick SN**
Ameriso S; Bernard JT; Weaver F; et al: "pulseless" transcranial Doppler findings in Takayasu's arteritis, JCU 1990; **18:** 592
Amery A See **Baert AL**
Amery AK See **Wilms GE**
Amicarelli I See **Gallucci M**
Amico JA See **Rao RH**
Amico S; Eschard JP; Liehn JC; et al: bone scan and chemonucleolysis, Clin Nucl Med 1990; **15:** 908
Amiel M; Moll T; Revel D; et al: comparison of the electrophysiologic effects of ioxaglate and iopamidol during selective coronary arteriography, Invest Radiol 1990; **25:** S141
Amin E See **Meyer JE**
Amin HK See **Edwards-Freeman C**
Amini AC See **Harinarayana CV**
Amini AC See **Padhy AK**
Amis ES See **Halpern EJ**
Amis ES Jr See **Hovsepian DM**
Amis ES Jr See **Ng C**
Amis ES Jr See **Sanders LM**
Amis ES Jr See **Zimmermann K**
Amis ES Jr: retroperitoneal fibrosis, Urol Radiol 1990; **12:** 135
Amis ES Jr: retroperitoneal fibrosis, AJR 1991; **157:** 321
Amis ES Jr; Blaivas JG: neurogenic bladder simplified, Radiol Clin North Am 1991; **29:** 571
Amis ES Jr; Blaivas JG: role of the radiologist in evaluating voiding dysfunction, Radiology 1990; **175:** 317
Amland PF See **Skaane P**
Ammann H; Boulanger Y; Legault P; et al: incubation system for the NMR study of kidney tubules, Magn Res Med 1989; **12:** 339
Ammann H; Boulanger Y; Vinay P: variable NMR visibility of intracellular sodium induced by Na^+-substrate cotransport in dog cortical tubules, Magn Res Med 1990; **16:** 368
Ammar AD; Turrentine MW; Farha SJ: importance of arteriographic interpretation in occlusion or pseudo-occlusion of the carotid artery, (ab), Radiology 1989; **170:** 586
Ammar IA See **Knight LC**
Amodeo C See **Selby JB Jr**
Amols HI See **Brenner DJ**
Amor NB See **Gargouri M**
Amorosa JK; Nahass RG; Nosher JL; Gocke DJ: radiologic distinction of pyrogenic pulmonary infection from *Pneumocystis carinii* pneumonia in AIDS patients, Radiology 1990; **175:** 721
Amoroso P See **Giorgio A**
Amplatz K See **Bildsoe MC**
Amplatz K See **Castaneda F**
Amplatz K See **Coleman CC**
Amplatz K See **duCret RP**
Amplatz K See **Epstein DH**
Amplatz K See **Hedlund LJ**
Amplatz K See **Hunter DW**
Amplatz K See **Leach KR**
Amplatz K See **Murphy TP**
Amplatz K See **Ponomar E**
Amplatz K See **Repa I**
Amplatz K See **Tadavarthy AK**
Amplatz K See **Yedlicka JW Jr**
Amster JL See **Heier LA**
Amtrup F See **Pfeiffer P**
Amundsen P-O See **Just SL**
Amundsen T See **Velazquez M**
Amundson GM; Towbin RB; Mueller DL; et al: percutaneous transgastric drainage of the lesser sac in children, Pediatr Radiol 1990; **20:** 590
Amylon MD See **Stevens SK**
An K-N See **Smith DK**
Anaise D See **Kubota K**
Anand AK See **Glynne-Jones RGT**
Anand R; Mahazan H; Khurana R; et al: holoprosencephaly (a case report), Australas Radiol 1990; **34:** 122
Anda S; Svenningsen S; Grönvedt T; et al: pelvic inclination and spatial orientation of the acetabulum: a radiographic, computed tomographic and clinical investigation, Acta Radiol 1990; **31:** 389
Anda S; Terjesen T; Kvistad KA; et al: acetabular angles and femoral anteversion in dysplastic hips in adults: CT investigation, JCAT 1991; **15:** 115
Anda S; Terjesen T; Kvistad KA: computed tomography measurements of the acetabulum in adult dysplastic hips: which level is appropriate?, Skeletal Radiol 1991; **20:** 267
Andelman S See **Reeder JD**
Anderegg A See **Gudinchet F**
Anders GT; Timmons JH; Johnson JE; et al: SPECT gallium-67 scanning in early human immunodeficiency virus (HIV) infection: failure of scanning abnormalities to correlate with immunologic staging, Clin Nucl Med 1990; **15:** 295
Anders KH; Latta H; Chang BS; et al: lymphomatoid granulomatosis and malignant lymphoma of the central nervous system in the acquired immunodeficiency syndrome, (ab), Radiology 1989; **173:** 294
Andersen AP See **Overgaard J**
Andersen BB See **Hove B**
Andersen HF: transvaginal and transabdominal ultrasonography of the uterine cervix during pregnancy, JCU 1991; **19:** 77
Andersen J See **Kamby C**
Andersen J See **Nielsen KV**
Andersen J; Thorling K; Bentzen SM; et al: phase III trial of cyclophosphamide, doxorubicin, vincristine and prednisone (CHOP) versus cisplatin, etoposide, bleomycin and prednisone (CisEBP) for the treatment of advanced non-Hodgkin's lymphoma of high grade malignancy, Acta Oncol 1990; **29:** 995
Andersen PE Jr; Kock K: micromelic bone dysplasia with cloverleaf skull, Skeletal Radiol 1989; **17:** 551
Andersen RM See **Aday LA**
Anderson A-LJ See **Samoszuk MK**
Anderson CL See **Coker SB**
Anderson CM See **Saloner D**
Anderson CM; Saloner D; Lee RE; Fortner A: dedicated coil for carotid MR angiography, Radiology 1990; **176:** 868
Anderson CM; Saloner D; Tsuruda JS; et al: artifacts in maximum-intensity-projection display of MR angiograms, AJR 1990; **154:** 623
Anderson DJ See **Glazer HS**
Anderson DJ See **Greene R**
Anderson E See **MacPherson P**
Anderson G See **Lear JL**
Anderson GM See **Barbaric ZL**
Anderson HV; Talley JD; Black AJR; et al: usefulness of coronary angioplasty in asymptomatic patients, (ab), Radiology 1990; **176:** 589
Anderson IF; Chichton KJ; Grattan-Smith T; et al: osteochondral fractures of the dome of the talus, (ab), Radiology 1990; **174:** 902
Anderson J See **Suleiman OH**
Anderson J See **Taylor DB**
Anderson JC See **Kapian PA**
Anderson JEM; Ransom D; Trotter J: venous collaterals and metastatic disease coexisting in the retroperitoneum, Australas Radiol 1989; **33:** 184
Anderson JEM; Steens RD; Hurst PE: polycystic disease of the kidney coexisting with medullary sponge kidney, Australas Radiol 1990; **34:** 341
Anderson JH See **Ahn HS**

Anderson JH See **Labe JD**
Anderson JH See **Ward FT**
Anderson JJ See **Hannan MT**
Anderson LJ See **Rothschild PA**
Anderson LL See **Beitler JJ**
Anderson LL See **Osian AD**
Anderson M See **Kornguth S**
Anderson M See **Semelka RC**
Anderson N; Cook HB; Coates R: colonoscopically detected colorectal cancer missed on barium enema, Gastrointest Radiol 1991; **16:** 123
Anderson N; Fulton J: technical note: sonography through the posterior fontanelle in diagnosing neonatal intraventricular hemorrhage, AJNR 1991; **12:** 368
Anderson PB See **Morcos SK**
Anderson PJ See **Gordon I**
Anderson QN See **Brand JW**
Anderson R See **LaFollette L**
Anderson RB; McAlister JA; Wrenn RN: case report 585, Skeletal Radiol 1989; **18:** 627
Anderson RE: whose realities?, Radiology 1990; **174:** 581
Anderson RE; Laskoff JM: Ramsay Hunt syndrome mimicking intracanalicular acoustic neuroma on contrast-enhanced MR, AJNR 1990; **11:** 409
Anderson RF See **Wilson WR**
Anderson RJ; Hobson RW II; Padberg FT; et al: penetrating extremity trauma: identification of patients at high-risk requiring arteriography, (ab), Radiology 1990; **177:** 598
Anderson RL See **Woo SY**
Anderson RU See **Reese JH**
Anderson S See **Jue T**
Anderson TJ See **Roberts MM**
Anderson W See **Costello P**
Anderson WH See **Bramble JM**
Andersson A See **Ahlström H**
Andersson A See **Tiselius HG**
Andersson B See **Kehler M**
Andersson H See **Wikkelsö C**
Andersson I See **Helvie MA**
Andersson I See **Ikeda DM**
Andersson I See **Löfgren M**
Andersson IT See **Hilleren DJ**
Andersson L: DNA investigations: summary of the round table discussion, Acta Oncol 1991; **30:** 219
Andersson M; Aronsen KF; Balch C; et al: pharmacokinetics of intra-arterial mitomycin C with or without degradable starch microspheres (DSM) in the treatment of non-resectable liver cancer, Acta Oncol 1989; **28:** 219
Andersson M; Domellöf L; Eksborg S; et al: pharmacokinetics and central haemodynamic effects of doxorubicin and 4'epi-doxorubicin in the pig, Acta Oncol 1989; **28:** 709
Andersson M; Engholm G; Ennow K; et al: cancer risk among staff at two radiotherapy departments in Denmark, Br J Radiol 1991; **64:** 455
Andersson S-O See **Johansson J-E**
Andersson T See **Elvin A**
Andersson T See **Magnusson A**
Andersson T; Ericsson A; Eriksson B; et al: relative proton density and relaxation times in liver metastases during interferom treatment, Br J Radiol 1989; **62:** 433
Andersson T; Nyman R; Ericsson A; et al: field-echo pulse sequences used under suspended respiration for detection of liver metastases, Acta Radiol 1989; **30:** 285
Ando K See **Ishii T**
Ando K See **Mukai M**
Ando M See **Sugita K**
Ando S See **Yamaki T**
Andoh K; Nakamae H; Ohkoshi T; et al: technical note: enhanced MR-guided stereotaxic brain surgery with the patient under general anesthesia, AJNR 1991; **12:** 135
Andoh T See **Iwama T**
Andoh Y See **Wakai S**
Andolf E; Jörgensen C: prospective comparison of transabdominal and transvaginal ultrasound with surgical findings in gynecologic disease, J Ultrasound Med 1990; **9:** 71
André J See **Moreaux J**
Andre M See **Houzard C**
André M; Monin P; Moret C; et al: Pelizaeus-Merzbacher disease: contribution of magnetic resonance imaging to an early diagnosis, J Neuroradiol 1990; **17:** 216
André M; Nelson T; Mattrey R: physical and acoustical properties of perfluorooctylbromide, an ultrasound contrast agent, Invest Radiol 1990; **25:** 983
André MP See **Haller J**
Andre P See **Jones D**
Andreasen NC See **Swayze VW II**
Andréasson B See **Mortensson W**
Andreis IAB See **Fugazzola C**
Andrén-Sandberg Å See **Cwikiel W**
Andrén-Sandberg Å See **Hederström E**
Andrén-Sandberg Å See **Lundstedt C**
Andreo P: uncertainties in dosimetric data and beam calibration, Int J Radiat Oncol Biol Phys 1990; **19:** 1233
Andreotti MR See **Staiano A**
Andreotti RF; Thompson GH; Janowitz W; et al: endovaginal and transabdominal sonography of ovarian follicles, J Ultrasound Med 1989; **8:** 555
Andres J See **Dolan MA**
Andres JC See **Marti-Bonmati L**
Andres JM See **Pineiro-Carrero VM**
Andrésdóttir A See **Kehler M**
Andreula CF; De Biasi R; Carella A: CT and MR studies of methylmalonic acidemia, AJNR 1991; **12:** 410
Andrew ER: introduction to nuclear magnetic resonance in biomedicine, J Canad Assoc Radiol 1990; **41:** 2
Andrew ER: passive magnetic screening, Magn Res Med 1991; **17:** 22
Andrew ER; Szczesniak E: magnetic shielding of magnetic resonance systems, Magn Res Med 1989; **10:** 373
Andrews BT; Weinstein PR; Rosenbaum ML; et al: intradural arachnoid cysts of the spinal canal associated with intramedullary cysts, (ab), Radiology 1989; **170:** 589
Andrews H See **Weston MJ**
Andrews JC See **Cho KJ**
Andrews JC See **Han MH**
Andrews JC; Abemayor E; Alessi DM; et al: parotitis and facial nerve dysfunction, (ab), Radiology 1990; **174:** 590
Andrews JC; Knol JA; Wollner I; et al: floxuridine-associated sclerosing cholangitis: a dog model, Invest Radiol 1989; **24:** 47
Andrews JC; Kuntsen C; Terio P; et al: hepatobiliary toxicity of 5-fluoro-2'-deoxyuridine: intra-arterial versus portal venous routes of infusion, Invest Radiol 1991; **26:** 461
Andrews JC; Walker-Andrews SC; Ensminger WD: long-term central venous access with a peripherally placed subcutaneous infusion port: initial results, Radiology 1990; **176:** 45
Andrews JC; Walker-Andrews SC; Juni JE; Warber S; Ensminger WD: modulation of liver tumor blood flow with hepatic arterial epinephrine: a SPECT study, Radiology 1989; **173:** 645
Andrews JC; Williams DM; Cho KJ; Knol JA; Wahl RL; Ensminger WD: unsatisfactory hepatic perfusion after placement of an implanted pump and catheter system: angiographic correlation, Radiology 1989; **173:** 779
Andrews JC; Williams DM; Shapiro B; et al: low infusion rate digital subtraction angiography to predict regional perfusion in hepatic arterial chemotherapy, Cardiovasc Intervent Radiol 1989; **12:** 277
Andrews W See **Cramer BC**
Andrews WA See **Young SW**
Andrews WS See **Rollins NK**
Andrianne Y See **Sintzoff SA Jr**
Andriole GL See **Kavoussi LR**
Andriole GL See **Middleton WD**
Andriole GL See **Petros JA**
Andriole GL; Coplen DE; Mikkelsen DJ; et al: sonographic and pathological staging of patients with clinically localized prostate cancer, (ab), Radiology 1990; **175:** 884
Andriole GL; McClennan BL; Becich MJ; et al: effect of low osmolar, ionic and nonionic, contrast media on the cytologic features of exfoliated urothelial cells, Urol Radiol 1989; **11:** 133
Andrioli G See **Ruelle A**
Andris DA See **Hinke DH**
Andry E See **Fornage BD**
Ang AT; Ho NK; Ong CL: giant epignathus with intracranial teratoma in a newborn infant, Australas Radiol 1990; **34:** 358
Ang KK See **Starkschall G**
Ang KK See **Wendt CD**
Ang KK See **Wong CS**
Ang KK; Peters LJ; Weber RS; et al: concomitant boost radiotherapy schedules in the treatment of carcinoma of the oropharynx and nasopharynx, Int J Radiat Oncol Biol Phys 1990; **19:** 1339
Angeid-Backman E; Quint DJ: CNS non-Hodgkin lymphoma in a patient previously treated for systemic Hodgkin disease, AJNR 1990; **11:** 1254
Angelelli G; Macarini L; Lupo L; Caputi-Jambrenghi O; Pannarale O; Memeo V: rectal carcinoma: CT staging with water as contrast medium, Radiology 1990; **177:** 511
Angelini F; Bellazzini R; Brez A; et al: bone densitometry of the peripheral skeleton with a new photon counting and imaging device, Invest Radiol 1989; **24:** 684
Angello DA See **Nelson CW**
Angello DA See **Perlmutter NS**
Angelsen BAJ See **Linker DT**
Angerstein W See **Wein BB**
Anglade M-C See **Mathieu D**
Angle JF See **Tsai FY**
Angtuaco EEC; Angtuaco EJC; Glasier CM; et al: nasopharyngeal and temporal bone blastomycosis: CT and MR findings, AJNR 1991; **12:** 725
Angtuaco EJC See **Angtuaco EEC**
Angtuaco TL See **Miller SF**
Angtuaco TL; Boyd CM; London SN; Powell LG; Diner WC; Vandergrift JF; Bersey ML; Base BM; Donovan SA: technetium-99m hysterosalpingography in infertility: an accurate alternative to contrast hysterosalpingography, Radiographics 1989; **9:** 115
Anguenot TJ; Bernard YF; Cardot JC; et al: isotopic findings in anomalous origin of the left coronary artery from the pulmonary artery: report of an adult case, J Nucl Med 1991; **32:** 1788
Angus WM: commentary on the development of diagnostic imaging technology, Radiographics 1989; **9:** 1225
Aniskiewicz AS; Frumkin NL; Brady DE; et al: magnetic resonance imaging and neurobehavioral correlates in schizencephaly, (ab), Radiology 1991; **178:** 899
Anlar B; Erzen C; Saatci U: patchy cerebral white matter edema in chronic renal failure, Pediatr Radiol 1989; **19:** 444
Annertz M; Holtås S; Cronqvist S; et al: isthmic lumbar spondylolisthesis with sciatica: MR imaging vs myelography, Acta Radiol 1990; **31:** 449
Anninga JK See **Dewit L**
Annis JAD See **Phelps PD**
Anno I See **Niitsu M**
Anno Y; Hori T; Watanabe T; et al: germinoma originating in the basal ganglia: report of a case showing unusual appearance on MRI, Neuroradiol 1990; **32:** 529
Ansari MS See **Kessler RM**
Ansari SM; Ahmed R; Rokonuddin: results of hepatobiliary imaging using Tc-99m EHIDA, Clin Nucl Med 1989; **14:** 354
Anscher MS; Bentel GC; Murray MJ; et al: tandem tip fracture: a rare complication of intracavitary therapy of cervix cancer and how to avoid its occurrence, Int J Radiat Oncol Biol Phys 1989; **16:** 511
Anscher MS; Prosnitz LR: radiotherapy vs. hormonal therapy for the management of locally recurrent prostate cancer following radical prostatectomy, Int J Radiat Oncol Biol Phys 1989; **17:** 953
Ansell G: adverse reactions to contrast agents: scope of problem, Invest Radiol 1990; **25:** 381
Anselmo AP See **Biagini C**
Anselmo MT See **Frank RG**
Anslow P See **Lee T**
Anslow PL See **Barker CS**
Antar MA See **Negrin JA**
Antar MA; Kassamali H; Spencer RP: sequential loss of splenic and then hepatic function in a patient with Thorotrast loading, Clin Nucl Med 1989; **14:** 634
Antar MA; Mack JM; Spencer RP: intrahepatic lesions demonstrated to be hemangiomas after a ten-year lapse, Clin Nucl Med 1990; **14:** 708
Antar MA; Mack JM; Spencer RP; et al: pulmonary tumor associated with diffuse bilateral lung uptake of bone imaging agent, Clin Nucl Med 1990; **15:** 46
Anthmyr B-A See **Kälebo P**
Anthony PP; Gie GA; Howie CR; et al: localised endosteal bone lysis in relation to the femoral components of cemented total hip arthroplasties, (ab), Radiology 1991; **179:** 591
Antich PP See **Babcock EE**
Antich PP See **Mason RP**
Antico VF See **Gruenewald SM**
Antico VF See **Larcos G**
Antoku S See **Kato K**
Antoni D See **Niendorf HP**
Antonsen S See **Rasmussen F**
Antonucci F See **Bessler W**
Antonucci F See **Günther RW**
Antonucci F See **Zollikofer CL**
Anttinen I See **Pamilo M**
Anttinen I; Pamilo M; Roiha M; et al: baseline screening mammography with one versus two views, Eur J Radiol 1989; **9:** 241
Anttolainen I See **Vorne M**
Antunez AR See **Crowe JP Jr**
Antuono PG See **Carter DJ**
Antuono PG See **Hellman RS**
Anvari M; Richards D; Dent J; et al: effect of glucagon on esophageal peristalsis and clearance, Gastrointest Radiol 1989; **14:** 100
Anwer MS See **Albert K**
Anzai Y See **Han MH**
Aoki J See **Sone S**

Aoki J; Moser RP Jr; Kransdorf MJ: chondrosarcoma of the sternum: CT features, JCAT 1989; **13:** 806
Aoki J; Moser RP Jr; Vinh TN: giant cell tumor of the scapula: a review of 13 cases, Skeletal Radiol 1989; **18:** 427
Aoki K See **Takayasu K**
Aoki S See **Okada Y**
Aoki S; Barkovich AJ; Nishimura K; Kjos BO; Machida T; Cogen P; Edwards M; Norman D: neurofibromatosis types 1 and 2: cranial MR findings, Radiology 1989; **172:** 527
Aoki S; Dillon WP; Barkovich AJ; Norman D: marrow conversion before pneumatization of the sphenoid sinus: assessment with MR imaging, Radiology 1989; **172:** 373
Aoki S; Okada Y; Nishimura K; Barkovich AJ; Kjos BO; Brasch RC; Norman D: normal deposition of brain iron in childhood and adolescence: MR imaging at 1.5 T, Radiology 1989; **172:** 381
Aoki S; Sasaki Y; Machida T; et al: contrast-enhanced MR images in patients with meningioma: importance of enhancement of the dura adjacent to the tumor, AJNR 1990; **11:** 935
Aoshi H See **Ebisuno S**
Aouthmany M See **Zureikat GY**
Aoyama H See **Shiina S**
Apfel RE; Holland CK: gauging the likelihood of cavitation from short-pulse, low-duty cycle diagnostic ultrasound, Ultrasound Med Biol 1991; **17:** 179
Apfelbaum RI See **Hutchins LG**
Apitz J See **Sieverding L**
Aponte V See **Bhalla M**
Apostolopoulos D See **Stavraka-Kakavakis A**
Appel B See **Dierckx I**
Appel B See **Dierckx R**
Appel MF See **Griffith DP**
Appel PL See **Kram HB**
Appelman Z See **Caspi B**
Appelrouth D See **Altman R**
Appen RE See **Gentry LR**
Apperley JF See **James ND**
Applegate GR See **Applegate LJ**
Applegate GR; Braunstein P; Wang F: radionuclide detection of duodenal ulcer perforation, J Nucl Med 1989; **30:** 700
Applegate LJ; Applegate GR; Kemp SS: MR of multiple cranial neuropathies in a patient with Camurati-Engelmann disease: case report, AJNR 1991; **12:** 557
Aprahamian C See **Goodman LR**
Apter S See **Hertz M**
Apter S See **Mendelson DS**
Apter S See **Zissin R**
Apter S; Hertz M; Rubinstein ZJ; et al: femoral neuropathy: the role of computed tomography in diagnosis and management in 27 patients, Clin Radiol 1989; **40:** 30
Apter S; Hertz M; Rubinstein ZJ; et al: gossypiboma in the early post-operative period: a diagnostic problem, Clin Radiol 1990; **42:** 128
Apuzzo M See **Zee C-S**
Aqeel A See **Brismar J**
Aquerreta JD See **Bilbao JI**
Aquino NM; Mortan R; Singh H: carcinoma of pancreas metastasizing to the tunica vaginalis testis, JCU 1989; **17:** 287
Ara Callizo JR; Gimenez-Mas JA; Martin J; et al: calcified brain metastases from acinar-cell carcinoma of pancreas, Neuroradiol 1989; **31:** 200
Arachi M See **Gallucci M**
Arad E; Flannery K; Wilson GA; et al: fractionated doses of radioiodine for ablation of postsurgical thyroid tissue remnants, Clin Nucl Med 1990; **15:** 676
Arai K See **Ishimitsu Y**
Arai K See **Kadoya M**
Arai K See **Matsui O**
Arai K; Matsui O; Kadoya M; et al: MR imaging in idiopathic portal hypertension, JCAT 1991; **15:** 405
Arai K; Takashima T; Matsui O; et al: transient subpleural curvilinear shadow caused by pulmonary congestion, JCAT 1990; **14:** 87
Arai T See **Nakano T**
Arakawa A; Yasunaga T; Saitoh Y; et al: radiation therapy of invasive thymoma, Int J Radiat Oncol Biol Phys 1990; **18:** 529
Araki A See **Onitsuka H**
Araki DN See **Wong AD**
Araki H See **Toyohara T**
Araki T See **Fujimoto H**
Araki T See **Hihara T**
Araki T; Hihara T; Kachi K; et al: newly developed transarterial chemoembolization material: CDDP-lipiodol suspension, Gastrointest Radiol 1989; **14:** 46
Araki T; Kachi K; Monzawa S; et al: computed tomographic detection of intestinal calcification of schistosomiasis japonica, Gastrointest Radiol 1989; **14:** 360
Araki T; Ohba H; Monzawa S; Sakuyama K; Hachiya J; Seki T; Takahashi Y; Yamaguchi M: membranous lipodystrophy: MR imaging appearance of the brain, Radiology 1991; **180:** 793
Araki T; Ohtomo K; Kachi K; et al: magnetic resonance imaging of macroscopic intrahepatic portal-hepatic venous shunts, Gastrointest Radiol 1991; **16:** 221
Araki T; Suda K; Sekikawa T; Ishii Y; Hihara T; Kachi K: portal venous tumor thrombosis associated with gastric adenocarcinoma, Radiology 1990; **174:** 811
Araki Y See **Tsutsui M**
Araki Y; Furukawa T; Tsuda K; et al: high field MR imaging of the brain in pseudohypoparathyroidism, Neuroradiol 1990; **32:** 325
Aramburo MJ See **Ben-Ami T**
Arams RS See **Naidich DP**
Arata JA Jr See **Jaffe RB**
Araújo CMM See **Pinto LHJ**
Aravapalli SR See **Kaplan GD**
Arbit E See **Krol G**
Arbizu J See **García MJ**
Arborelius M Jr See **Jungquist G**
Arcangeli G; Micheli A; Arcangeli G; et al: definitive radiation therapy for localized prostatic adenocarcinoma, Int J Radiat Oncol Biol Phys 1991; **20:** 439
Archer A See **Feuerstein IM**
Archer AG; Nelson MC; Abbondanzo SL; et al: case report 554, Skeletal Radiol 1989; **18:** 380
Archer BT See **Fleckenstein JL**
Archer CR See **Granato DB**
Archibeque F See **Williamson MR**
Archibeque F; Williamson MR; Rosenberg R; et al: hepatoma: Tc-99m DISIDA uptake in primary and metastatic lesions, Clin Nucl Med 1990; **14:** 706
Ardies P; Vanwambeke K; Hanssens M; et al: endometriosis of the cecum and appendix: two case reports, Gastrointest Radiol 1990; **15:** 263
Ardill RH; Manivel JC; Beier-Hanratty S; et al: epididymitis associated with Müllerian duct cyst and calculus: sonographic diagnosis, AJR 1990; **155:** 91
Arduini D See **Rizzo G**
Arduini D; Rizzo G: umbilical artery velocity waveforms in early pregnancy: a transvaginal color Doppler study, JCU 1991; **19:** 335
Arduini D; Rizzo G; Boccolini MR; et al: functional assessment of uteroplacental and fetal circulations by means of color Doppler ultrasonography, J Ultrasound Med 1990; **9:** 249
Arduini D; Rizzo G; Romanini C; et al: hemodynamic changes in growth retarded fetuses during maternal oxygen administration as predictors of fetal outcome, J Ultrasound Med 1989; **8:** 193
Arduini D; Rizzo G; Soliani A; et al: Doppler velocimetry versus nonstress test in the antepartum monitoring of low-risk pregnancies, J Ultrasound Med 1991; **10:** 331
Arena L See **Barasch E**
Arena L See **Laraque D**
Arena L; Baker SR: use of a metal detector to identify ingested metallic foreign bodies, AJR 1990; **155:** 803
Arends JW See **van der Meer SB**
Arenson AM: ultrasound guided percutaneous renal biopsy, Australas Radiol 1991; **35:** 38
Arenson AM; Hamilton P; Silverberg J; et al: ultrasound diagnosis of testicular masses secondary to hyperplastic adrenal rests in a patient with adrenal insufficiency, JCU 1991; **19:** 430
Arenson RL See **Kundel HL**
Arenson RL See **Wolf GL**
Arenson RL; Chakraborty DP; Seshadri SB; Kundel HL: digital imaging workstation, Radiology 1990; **176:** 303
Arenson RL; Dwyer SJ III: computer applications and digital imaging: RSNA '88 meeting notes, Radiology 1989; **170:** 916
Arenson RL; Dwyer SJ III; Chakraborty DP; Seshadri SB: computer applications and digital imaging: RSNA '89 meeting notes, Radiology 1990; **174:** 917
Arenson RL; Dwyer SJ III; Huang HK; Kundel HL; Seshadri SB: computer applications and digital imaging: RSNA '90 meeting notes, Radiology 1991; **178:** 913
Ares J See **Ayuso JR**
Argenta LC See **O'Mara EM**
Argenyi E See **Madsen MT**
Argenyi EA See **Kahn D**
Arger P See **Khouri MR**
Arger PH See **Allen KS**
Arger PH See **Carvlin MJ**
Arger PH See **Li C**
Arger PH See **Louie A**
Arger PH See **Yeager BA**
Argyropoulou M; Perignon F; Brunelle F; et al: height of normal pituitary gland as a function of age evaluated by magnetic resonance imaging in children, Pediatr Radiol 1991; **21:** 247
Ariagno RL See **Dawson KL**
Arian-Schad K See **Juettner FM**
Arian-Schad K See **Lind P**
Arian-Schad KS See **Stuecklschweiger GF**
Arias C See **Rakofsky M**
Arias JM See **Patch GG**
Aridge DL See **Patel BK**
Arimizu N See **Itami J**
Arimoto H See **Akine Y**
Arisawa J See **Hosoki T**
Arisawa J See **Ikezoe J**
Arisawa J See **Takashima S**
Arjhansiri K See **Pantongrag-Brown L**
Arkell DG See **Penter G**
Arkles LB See **Cooper MA**
Arlart IP; Gerlach A; Grass HG: laser-assisted balloon angioplasty in complete femoropopliteal occlusions: preliminary results, Cardiovasc Intervent Radiol 1991; **14:** 233
Arlett CF See **Plowman PN**
Armbruster C See **Hruby W**
Armellini F; Zamboni M; Rigo L; et al: contribution of sonography to the measurement of intra-abdominal fat, JCU 1990; **18:** 563
Armistead J See **Desai RK**
Armistead JP See **Gay SB**
Armitage IM See **Gore JC**
Armitage IM See **Zhong J**
Armitage JO See **Lund GB**
Armstrong B See **Sherer DM**
Armstrong D See **Eich GF**
Armstrong D See **Jenkin D**
Armstrong D See **Spouge AR**
Armstrong E See **Jenkins BG**
Armstrong EA See **Truwit CL**
Armstrong GR See **Le Cheong L**
Armstrong J See **Jones D**
Armstrong JG See **Minsky BD**
Armstrong JG; Fass DE; Bains M; et al: paraspinal tumors: techniques and results of brachytherapy, Int J Radiat Oncol Biol Phys 1991; **20:** 787
Armstrong JG; Harrison LB; Dattoli M; et al: use of a prosthetic tissue expander to displace bowel from a brachytherapy implant site, Int J Radiat Oncol Biol Phys 1990; **19:** 1521
Armstrong JG; Rosenstein MM; Scher HI; Fass DE; Zelefsky MJ; Kris MG: limited small cell lung cancer: prognostic significance of a complete response to the induction phase of chemotherapy followed by thoracic irradiation, Radiology 1991; **178:** 875
Armstrong M See **Bottomley PA**
Armstrong P See **Abbitt PL**
Armstrong P See **Liu P**
Armstrong P See **Osborn AG**
Armstrong P See **Shogry MEC**
Armstrong P See **Toye R**
Armstrong P; Black WC: optimum utilisation of radiological tests: the radiologist as advisor, Clin Radiol 1989; **40:** 444
Armstrong S See **Ghiatas AA**
Armstrong S See **Jeans WD**
Armstrong SJ; Watt I: case report 661, Skeletal Radiol 1991; **20:** 369
Armstrong SJ; Watt I: lipoma arborescens of the knee, Br J Radiol 1989; **62:** 178
Armstrong WP See **Marx M**
Arnal C See **Banzo I**
Arnal C See **Quirce R**
Arnaud O See **Margain D**
Arnaud O See **Peretti-Viton P**
Arnberg H See **Bergh J**
Arnberg H See **Eriksson B**
Arnbjörnsson E; Laurin S; Mikaelsson C: computed tomography of ano-rectal anomalies: correlation between radiologic findings and clinical evaluation of faecal incontinence, Acta Radiol 1989; **30:** 25
Arndt J-W See **Algra PR**
Arndt J-W See **van Gils APG**
Arnetoli G See **Mascalchi M**
Arnoczky SP See **Deutsch AL**
Arnold C; Richter MP: effect of oral nutritional supplements on head and neck cancer, Int J Radiat Oncol Biol Phys 1989; **16:** 1595
Arnold DL; Matthews PM; Francis G; et al: proton magnetic resonance spectroscopy of human brain *in vivo* in the evaluation of multiple sclerosis: assessment of the load of disease, Magn Res Med 1990; **14:** 154
Arnold DL; Shoubridge EA; Emrich J; et al: early metabolic changes following chemotherapy of human gliomas *in vivo* demonstrated by phosphorus magnetic resonance spectroscopy, Invest Radiol 1989; **24:** 958
Arnold MM See **Kreel L**
Arnold MM; Kreel L; Lo Y-F; et al: are the hepatic arteries "end arteries"?, Invest Radiol 1991; **26:** 337
Arnold MT See **Baldock C**
Arnold PM See **Mafee MF**
Arnold RE: inhalation injury: a review of the literature, Radiology 1989; **172:** 74
Arnold S; Sty JR; Starshak RJ: periarticular soft tissue calcification and ossification in the septic joint, Pediatr Radiol 1989; **19:** 433

Arnolds BJ; Kunz D; von Reutern G-M: spatial resolution of transcranial pulsed Doppler technique *in vitro* evaluation of the sensitivity distribution of the sample volume, Ultrasound Med Biol 1989; **15:** 729

Arnot RN See **Impallomeni MG**

Arnstein NB; Chen DCP; Siegel ME: interpretation of bone scans using a video display: a necessary step toward a filmless nuclear medicine department, Clin Nucl Med 1990; **15:** 418

Aro L See **Stein M**

Aron BS See **Cross MA**

Aronchick JM: CT of mediastinal lymph nodes in patients with non-small cell lung carcinoma, Radiol Clin North Am 1990; **28:** 573

Aronchick JM: lung cancer: epidemiology and risk factors, Semin Roentgenol 1990; **25:** 5

Aronchick JM; Gefter WB: drug-induced pulmonary disease: an update, J Thorac Imag 1991; **6-1:** 19

Aronen H: diagnosis of deep venous thrombosis of the leg using immunoscintigraphy with ^{111}In-labelled monoclonal antifibrin antibody fragments, Acta Radiol 1989; **30:** 159

Aronsen KF See **Andersson M**

Aronson D See **Pezzulli FA**

Aronson D; Kier R: CT pelvimetry: the foveae are not an accurate landmark for the level of the ischial spines, AJR 1991; **156:** 527

Aronson J See **Stark JE**

Aronson J See **Walker CW**

Aronson S See **Hartman DS**

Aronson S; Frazier HA; Baluch JD; et al: cystic renal masses: usefulness of the Bosniak classification, Urol Radiol 1991; **13:** 83

Aronsson EF See **Holmberg SB**

Aronsson EF; Grétarsdóttir J; Jacobsson L; et al: comparison of seven iodine-labelled monoclonal antibodies in nude mice with human colon carcinoma xenografts, Acta Oncol 1991; **30:** 385

Arora A; Seth S; Sharma MP; et al: case report: unusual CT appearances in a case of Budd-Chiari syndrome, Clin Radiol 1991; **43:** 431

Arranda C See **Naidich DP**

Arriagada R; Cosset JM; le Chevalier T; et al: value of adjunctive radiotherapy when chemotherapy is the major curative method, Int J Radiat Oncol Biol Phys 1990; **19:** 1279

Arriagada R; le Chevalier T; Quoix E; et al: astro plenary: effect of chemotherapy on locally advanced non-small cell lung carcinoma: a randomized study of 353 patients, Int J Radiat Oncol Biol Phys 1991; **20:** 1183

Arriagada R; le Chevalier T; Ruffie P; et al: alternating radiotherapy and chemotherapy in 173 consecutive patients with limited small cell lung carcinoma, Int J Radiat Oncol Biol Phys 1990; **19:** 1135

Arriagada R; Mouriesse H; Spielmann M; et al: alternating radiotherapy and chemotherapy in non-metastatic inflammatory breast cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1207

Arriaza-Loureda R See **Cantos-Melian B**

Arrington ER; Eisenberg B; Hartshorne MF; et al: nuclear medicine imaging of systemic mastocytosis, J Nucl Med 1989; **30:** 2046

Arrington ER; Eisenberg B; Orrison WW Jr; et al: scintigraphic appearance of uncommon soft-tissue osteogenic sarcoma metastases, J Nucl Med 1990; **31:** 679

Arrington J See **Abramowicz JS**

Arrington JA See **Yousem DM**

Arrington LE See **Vahey TN**

Arrivé L See **Chang YCF**

Arrivé L; Chang YCF; Hricak H; Brescia RJ; Auffermann W; Quivey JM: radiation-induced uterine changes: MR imaging, Radiology 1989; **170:** 55

Arrivé L; Hricak H; Goldberg HI; et al: MR appearance of the liver after partial hepatectomy, AJR 1989; **152:** 1215

Arrivé L; Hricak H; Martin MC: pelvic endometriosis: MR imaging, Radiology 1989; **171:** 687

Arrivé L; Hricak H; Tavares NJ; Miller TR: malignant versus nonmalignant retroperitoneal fibrosis: differentiation with MR imaging, Radiology 1989; **172:** 139

Arrivé L; Menu Y; Dessarts I; Dubray B; Vullierme M-P; Vilgrain V; Najmark D; Nahum H: diagnosis of abdominal venous thrombosis by means of spin-echo and gradient-echo MR imaging: analysis with receiver operating characteristic curves, Radiology 1991; **181:** 661

Arrojo L See **Pombo F**

Arroyo JF; Garcia JF: case report 582, Skeletal Radiol 1989; **18:** 614

Arruda LK; Mimica IM; Sole D; et al: abnormal maxillary sinus radiographs in children: do they represent bacterial infection?, (ab), Radiology 1990; **177:** 600

Arsura EL; Bertelle A; Minkowitz S; et al: transfusion-associated-graft-vs-host disease in a presumed immunocompetent patient, (ab), Radiology 1989; **170:** 904

Artenian DJ; Lipman JK; Scidmore GK; et al: acute neck pain due to tendonitis of the longus colli: CT and MRI findings, Neuroradiol 1989; **31:** 166

Arthur G See **Ahern V**

Arthur JE; Ellis IO; Flowers C; et al: relationship of "high risk" mammographic patterns to histological risk factors for development of cancer in the human breast, Br J Radiol 1990; **63:** 845

Arthur K See **Chan A**

Arthur RH See **Popovich MJ**

Artiles C See **Abrahams JJ**

Arts WFM See **de Rijk-van Andel JF**

Artwohl JE See **Holt JA**

Aruny J See **Benson CB**

Aruny JE See **Point SW**

Aruny JE; Kandarpa K: phlegmasia cerulea dolens, a complication after placement of a bird's nest vena cava filter, AJR 1990; **154:** 1105

Arús C See **Alonso J**

Aruta E See **Presbitero P**

Arvanitis TN; Parizel PM; Degryse HR; et al: reject analysis: a pilot programme for image quality management, Eur J Radiol 1991; **12:** 171

Arvidsson H See **Goldman S**

Arvieux CC; Fagret D; Dubois F; et al: effect of glucose on the distribution of iodine-123-IHA-16 between esterification and oxidation in canine myocardium, J Nucl Med 1990; **31:** 640

Arvin M; White SJ; Braunstein EM: growth plate injury of the hand and wrist in renal osteodystrophy, Skeletal Radiol 1990; **19:** 515

Asada K See **Kakitsubata Y**

Asada N; Doi K; MacMahon H; Montner SM; Giger ML; Abe C; Wu Y: potential usefulness of an artificial neural network for differential diagnosis of interstitial lung diseases: pilot study, Radiology 1990; **177:** 857

Asagoe T See **Takada T**

Asai M See **Kitamura K**

Asari S; Gotoh M; Nishimoto A: typical blood-fluid level formation on computerized tomogram in pituitary apoplexy: case report, Comput Med Imag Graph 1990; **14:** 147

Asari S; Ito T; Tsuchida S; et al: MR appearance and cyst content of Rathke cleft cysts, JCAT 1990; **14:** 532

Asato R See **Carvlin MJ**

Asato R See **Fujisawa I**

Asato R See **Okumura R**

Asato R See **Sagoh T**

Asato R; Okumura R; Konishi J: "fogging effect" in MR of cerebral infarct, JCAT 1991; **15:** 160

Asbell SO; Martz KL; Pilepich MV; et al: impact of surgical staging in evaluating the radiotherapeutic outcome in RTOG phase III study for A_2 and B prostate carcinoma, Int J Radiat Oncol Biol Phys 1989; **17:** 945

Asch MR; Poon PY; McCallum RW; et al: myelolipoma: radiologic findings in seven patients, J Canad Assoc Radiol 1989; **40:** 247

Asch MR; Toi A: seminal vesicles: imaging and intervention using transrectal ultrasound, J Ultrasound Med 1991; **10:** 19

Asch T See **Estabrook A**

Ascher NL See **Letourneau JG**

Ascher NL See **Olcott EW**

Ascher SM; Scoutt LM; McCarthy SM; Lange RC; DeCherney AH: uterine changes after dilation and curettage: MR imaging findings, Radiology 1991; **180:** 433

Ascher SM; Silverman PM: applications of computed tomography in gynecologic diseases, Urol Radiol 1991; **13:** 16

Aschner JL; Deluga KS; Metlay LA; et al: spontaneous focal gastrointestinal perforation in very low birth weight infants, (ab), Radiology 1989; **171:** 888

Asgari HS See **Kucharczyk J**

Asgari HS See **Moseley ME**

Ash DV See **Kelly SA**

Ash DV See **Robinson ACR**

Ash J; DeSouza M; Peters M; et al: quantitative assessment of blood flow in pediatric recipients of renal transplants, J Nucl Med 1990; **31:** 580

Ash SA See **Dumoulin CL**

Ashburn WL See **Lamoureux G**

Ashburn WL See **Rimkus DS**

Ashby M: box diagram to express tumour extent: basis of a new staging system in carcinoma of the celvix?, Australas Radiol 1989; **33:** 23

Ashby MA; Jones DH; Tasker AD; et al: primary cutaneous neuroendocrine (Merkel cell or trabecular carcinoma) tumour of the skin: a radioresponsive tumour, Clin Radiol 1989; **40:** 85

Ashby MA; Pacella JA; de Groot R; et al: use of a radon mould technique for skin cancer: results from the Peter MacCallum Cancer Institute (1975–1984), Br J Radiol 1989; **62:** 608

Ashenburg R See **Hayes E**

Ashenburg RJ: renal arterial rupture complicating transluminal angioplasty: reply, Radiology 1990; **176:** 583

Ashenburg RJ; Blair RJ; Rivera FJ; Weigele JB: renal arterial rupture complicating transluminal angioplasty: successful conservative management, Radiology 1990; **174:** 983

Ashenburg RJ; Phillips DA: ergotism as a consequence of thromboembolic prophylaxis, Radiology 1989; **170:** 375

Ashleigh RJ See **Khan AN**

Ashleigh RJ; Sambrook P: case report: unilateral hydronephrosis following obstruction of the inferior vena cava by tumour thrombus, Clin Radiol 1991; **44:** 130

Ashley DG; Zee C-S; Chandrasoma PT; et al: Lhermitte-Ducios disease: CT and MR findings, JCAT 1990; **14:** 984

Ashley S See **Gehani AA**

Ashley S See **Rees MR**

Ashmead G See **Al-Malt A**

Ashmead GG See **Wiesen EJ**

Ashour M See **Al-Majed SA**

Ashtari M See **Beach JL**

Ashtari M; Zito JL; Gold BI; et al: computerized volume measurement of brain structure, Invest Radiol 1990; **25:** 798

Askenasy N See **Kushnir T**

Asp T; Göthlin JH: elimination of electrostatic discharges in automatic daylight film processor systems. a simple, cost-effective solution: technical note, Eur J Radiol 1989; **9:** 142

Aspegren K See **Garne JP**

Aspegren K See **Meyer L**

Aspelin P See **Almén T**

Aspelin P See **Nilsson PE**

Aspelin P: do nonionic contrast media increase red cell aggregation and clot formation?, Invest Radiol 1990; **25:** S119

Aspelin P; Adielsson G; Dimitrov N; et al: abdominal computed tomography in macroglobulinemia (Waldenström's disease): report of a case, Acta Radiol 1989; **30:** 197

Aspestrand F See **Larheim TA**

Aspestrand F; Kolbenstvedt A; Boysen M: carcinoma of the hypopharynx: CT staging, JCAT 1990; **14:** 72

Aspestrand F; Kolbenstvedt A; Boysen M: CT findings in benign expansions of the larynx, JCAT 1989; **13:** 222

Aspestrand F; Mathisen Ø; Bergan A: perivascular low attenuation zone at CT of liver transplants: a follow-up study, Acta Radiol 1991; **32:** 244

Aspestrand F; Schrumpf E; Jacobsen M; et al: increased lymphatic flow from the liver in different intra- and extrahepatic diseases demonstrated by CT, JCAT 1991; **15:** 550

Aspinall CL See **Greenberg SB**

Asquith P See **Mike N**

Assaf A; O'Gorman AM: answer to case of the month #7: appearance of "reversal sign" in computed tomographyscans as an indicator of changes in the brain caused by anoxia and ischemia, J Canad Assoc Radiol 1991; **42:** 223

Assimakopoulos G See **Costa A**

Assouline E See **Gelbert F**

Assouline E See **Laredo J-D**

Astor M See **Bewley DK**

Astrahan MA See **Luxton G**

Astrahan MA; Luxton G; Jozsef G; et al: interactive treatment planning system for ophthalmic plaque radiotherapy, Int J Radiat Oncol Biol Phys 1990; **18:** 679

Asztely M See **Tidebrant G**

Atahan IL; Akyol F; Zorlu F; et al: radiotherapy in the management of aggressive fibromatosis, Br J Radiol 1989; **62:** 854

Atance JLV See **de Gregorio Ariza MA**

Atares M See **Willi U**

Atcher RW See **Langmuir VK**

Atcher RW See **Roeske JC**

Ateş KB; Boyacioğlu S; Tay I; et al: ultrasonographic diagnosis of bleeding into a pancreatic pseudocyst, Gastrointest Radiol 1991; **16:** 178

Athanasou NA; Ayers D; Rainey AJ; et al: joint and systemic distribution of dialysis amyloid, (ab), Radiology 1991; **181:** 616

Athanasoulis CA See **Durham JD**

Athanasoulis CA See **Simon M**

Athanasoulis CA See **Yucel EK**

Athanasoulis CA; Thrall JH: standards of radiology practice: an approach to development, Radiology 1989; **173:** 613

Athanasoulis CA; Yucel EK: venous reflux: assessing the level of incompetence, Radiology 1990; **174:** 326

Athanasoulis T; Sekela ME; Noon GP; et al: blood-pool radionuclide angiography in patients with a Novacor left ventricular assist device, J Nucl Med 1991; **32:** 255

Athanassiadis AP See **Romero R**
Athey P See **Lamki N**
Athey PA See **Shankwiler RA**
Athey PA; Diment DD: spectrum of sonographic findings in endometriomas, J Ultrasound Med 1989; **8:** 487
Athey PA; Jayson HT; Estrada R; et al: sonographic findings in primary ovarian pregnancy, JCU 1990; **18:** 730
Athey TW: model of the temperature rise in the head due to magnetic resonance imaging procedures, Magn Res Med 1989; **9:** 177
Athlin L See **Ekelund L**
Atiyah RA See **Sisson GA Sr**
Atkins HL See **Jaikishen P**
Atkins HL See **Kubota K**
Atkins HL; Nelson SJ; Oster ZH: visualization of a Baker's cyst on radionuclide venography, Clin Nucl Med 1989; **14:** 629
Atkins HL; Oster ZH: asymmetric gallbladder contraction following cholecystokinin hepatobiliary imaging, Clin Nucl Med 1989; **14:** 82
Atkins HL; Thomas SR; Buddemeyer U; et al: MIRD dose estimate report no. 14: radiation absorbed dose from technetium-99m-labeled red blood cells, J Nucl Med 1990; **31:** 378
Atkinson DJ See **Chien D**
Atkinson DJ See **Edelman RR**
Atkinson DJ See **Mattle HP**
Atkinson DJ; Burstein D; Edelman RR: first-pass cardiac perfusion: evaluation with ultrafast MR imaging, Radiology 1990; **174:** 757
Atkinson DJ; Edelman RR: cineangiography of the heart in a single breath hold with a segmented turboFLASH sequence, Radiology 1991; **178:** 357
Atkinson G See **Stephenson CA**
Atkinson GO Jr; Davis PC; Patrick LE; et al: melanotic neuroectodermal tumor of infancy: MR findings and a review of the literature, Pediatr Radiol 1989; **20:** 20
Atkinson HH See **Gargantini I**
Atkinson JB See **Hernanz-Schulman M**
Atkinson JB See **Loyd JE**
Atkinson LK See **Rodman DJ**
Atkinson SA See **Cunningham K**
Atlas SW See **Bobman SA**
Atlas SW See **Cross PA**
Atlas SW See **Fobben ES**
Atlas SW See **Jackson DE Jr**
Atlas SW See **Mark AS**
Atlas SW See **Milton WJ**
Atlas SW See **Yousem DM**
Atlas SW: adult supratentorial tumors, Semin Roentgenol 1990; **25:** 130
Atlas SW; Braffman BH; LoBrutto R; et al: human malignant melanomas with varying degrees of melanin content in nude mice: MR imaging, histopathology, and electron paramagnetic resonance, JCAT 1990; **14:** 547
Atnip RG; Neumyer MM; Healy DA; et al: combined aortic and visceral arterial reconstruction: risks and results, (ab), Radiology 1991; **180:** 886
Atochina EN See **Muzykantov VR**
Atri M See **Bret PM**
Atri M See **Fraser-Hill MA**
Atri M See **Reinhold C**
Atri M; de Stempel J; Bret PM; et al: incidence of portal vein thrombosis complicating liver metastasis as detected by duplex ultrasound, J Ultrasound Med 1990; **9:** 285
Atrouni S See **Dupuis MJM**
Attar S; Hankins JR; Suter CM; et al: esophageal perforation: a therapeutic challenge, (ab), Radiology 1991; **179:** 292
Attar S; Suter CM; Hankins JR; et al: penetrating cardiac injuries, (ab), Radiology 1991; **181:** 612
Attie M See **Wehrli FW**
Attinger CE See **Kent KC**
Atzinger A See **Lindner H**
Aube M See **Gardner D**
Aubrey DL See **Joyce JM**
AuCoin R See **Blair K**
Auer G See **Azavedo E**
Auer G See **Baral E**
Auer G See **Moberger B**
Auffermann W See **Arrivé L**
Auffermann W See **Olofsson PA**
Auffermann W See **Tavares NJ**
Auffermann W See **Wikman-Coffelt J**
Auffermann W; Chew WM; Wolfe CL; Tavares NJ; Parmley WW; Semelka RC; Donnelly T; Chatterjee K; Higgins CB: normal and diffusely abnormal myocardium in humans: functional and metabolic characterization with P-31 MR spectroscopy and cine MR imaging, Radiology 1991; **179:** 253
Auffermann W; Guis M; Tavares NJ; et al: MR signal intensity of parathyroid adenomas: correlation with histopathology, AJR 1989; **153:** 873
Auffermann W; Olofsson PA; Rabahie GN; Tavares NJ; Stoney RJ; Higgins CB: incorporation versus infection of retroperitoneal aortic grafts: MR imaging features, Radiology 1989; **172:** 359
Auffermann W; Wu S; Parmley WW; et al: reversibility of chronic alcohol cardiac depression: ^{31}P magnetic resonance spectroscopy in hamsters, Magn Res Med 1989; **9:** 343
Aufricht CA; Tenner W; Stiglbauer R; et al: transient cerebellopontine demyelinisation revealed by MRI in acute cerebellar ataxia, Pediatr Radiol 1990; **20:** 602
Augenstein H See **Kirpekar M**
Augsburger JJ See **Amendola BE**
Augustinus J See **Mortelmans L**
Augustyn GT See **Enzmann D**
Auh YH See **Berkmen YM**
Auh YH See **Lim JH**
Aulich A See **Mull M**
Aur R See **Banna M**
Auray-Blais C See **Tuchman M**
Aurell Y; Forsberg L; Hederström E; et al: percutaneous puncture and drainage of pancreatic pseudocysts: a retrospective study, Acta Radiol 1990; **31:** 177
Aurigemma G; Reichek N; Schiebler M; et al: evaluation of mitral regurgitation by cine magnetic resonance imaging, (ab), Radiology 1991; **179:** 295
Auringer ST; Bisset GS III; Myer CM III: magnetic resonance imaging of the pediatric airway: compared with findings at surgery and/or endoscopy, Pediatr Radiol 1991; **21:** 329
Auringer ST; Scott MD; Sumner TE: inflammatory pseudotumor: a gallium-avid mobile mesenteric mass, J Nucl Med 1991; **32:** 1614
Ausman JI; Diaz FG; Sadasivan B; et al: giant intracranial aneurysm surgery: the role of microvascular reconstruction, (ab), JVIR 1990; **1:** 141
Austin CB See **Tobin KD**
Austin HA See **Choyke PL**
Austin JHM See **Haramati LB**
Austin JHM See **Krebs TL**
Austin JHM See **Liang BA**
Austin JHM See **Romney BM**
Austin JHM See **White CS**
Austin JHM See **Zwiebel BR**
Austin JHM: pulmonary sarcoidosis: what are we learning from CT?, Radiology 1989; **171:** 603
Austin JHM: radiology in Poland, Radiology 1990; **174:** 895
Austin JHM; Schulman LL; Mastrobattista JD: pulmonary infection after cardiac transplantation: clinical and radiologic correlations, Radiology 1989; **172:** 259
Austin MC See **Rowe CC**
Austin SJ; Connelly A; Gadian DG; et al: localized ^{1}H NMR spectroscopy in Canavan's disease: a report of two cases, Magn Res Med 1991; **19:** 439
Austin-Seymour M See **Habrand JL**
Austrom MG See **Hendrie HC**
Avai A See **Maistrelli G**
Avanzo RC See **Pozza F**
Averbook BD See **Grollman JH Jr**
Avery GR; Peakman DJ; Young JR: unusual hyperechoic ultrasound appearance of testicular Leydig cell tumour, Clin Radiol 1991; **43:** 260
Avery K See **Hetzel FW**
Avila NA See **Hill SC**
Avilés A; Díaz-Maqueo JC; Sánchez E; et al: long-term results in patients with low-grade nodular non-Hodgkin's lymphoma: a randomized trial comparing chemotherapy plus radiotherapy with chemotherapy alone, Acta Oncol 1991; **30:** 329
Avni EF See **Lalmand B**
Avni EF See **Sintzoff SA Jr**
Avni EF; Braude P; Pardou A; et al: hyaline membrane disease in the newborn: diagnosis by ultrasound, Pediatr Radiol 1990; **20:** 143
Avni EF; Rypens F; Cohen E; et al: pericholecystic hyperechogenicities in necrotizing enterocolitis: a specific sonographic sign, Pediatr Radiol 1991; **21:** 179
Avni EF; Van Sinoy M-L; Hall M; et al: hypothesis: reduced renal mass with glomerular hyperfiltration, a cause of renal hyperechogenicity in children, Pediatr Radiol 1989; **19:** 108
Avni FE See **Jauniaux E**
Avrahami E: panic attacks during MR imaging: treatment with IV diazepam, AJNR 1990; **11:** 833
Avrahami E; Frishman E; Weiss-Peretz J: CT evidence of mucosal thickening in the maxillary antra in patients with nasopharyngeal carcinoma, AJNR 1991; **12:** 275
Avrahami E; Tadmor R; Dally O; et al: early MR demonstration of spinal metastases in patients with normal radiographs and CT and radionuclide bone scans, JCAT 1989; **13:** 598
Avrahami E; Tadmor R; Ram Z; et al: MR demonstration of spontaneous acute epidural hematoma of the thoracic spine, Neuroradiol 1989; **31:** 89
Avrahami E; Weiss-Peretz J; Cohn DF: epilepsy in patients with brain metastases triggered by intravenous contrast medium, Clin Radiol 1989; **40:** 422
Awh MH; Taylor FC; Lu C-T: spontaneous fracure of a Vena-Tech inferior vena caval filter, AJR 1991; **157:** 177
Awschalom M See **Hill CK**
Awwad EE See **Baker BK**
Awwad EE See **Fishbein MJ**
Awwad EE See **Granato DB**
Awwad EE See **Ho HW**
Awwad EE See **Judd J**
Awwad EE See **Martin DS**
Awwad EE; Dilorio G; Martin DS; et al: fat deposition adjacent to chronic subdural hematoma: CT demonstration, JCAT 1990; **14:** 665
Awwad EE; Martin DS; Bucholz RD; et al: synovial cyst of the midthoracic spine, AJNR 1991; **12:** 562
Awwad EE; Martin DS; Smith KR Jr; et al: MR imaging of lumbar juxtaarticular cysts, JCAT 1990; **14:** 415
Awwad EE; Smith KR Jr; Martin DS; et al: unusual hemorrhage with use of synthetic dural substitute: MR findings, JCAT 1991; **15:** 618
Awwad EE; Sundaram M; Bucholz RD: post-traumatic spinal synovial cyst with spondylolysis: CT features, JCAT 1989; **13:** 334
Awwad HK; El Badawy S; El Baki HA; et al: pharmacokinetics of etanidazole (SR-2508) in bladder and cervical cancer: evidence of diffusion from urine, Int J Radiat Oncol Biol Phys 1989; **16:** 1083
Awwad HK; El Badawy S; El Ghamrawy K; et al: late tissue reactions after single-fraction sequential half-body irradiation (HBI) in patients with non-Hodgkin's lymphomas, Int J Radiat Oncol Biol Phys 1990; **19:** 1229
Axel L See **Carvlin MJ**
Axel L See **de Roos A**
Axel L See **Gefter WB**
Axel L See **Hatabu H**
Axel L See **Listerud J**
Axel L See **Schiebler ML**
Axel L; Dougherty L: heart wall motion: improved method of spatial modulation of magnetization for MR imaging, Radiology 1989; **172:** 349
Axel L; Dougherty L: MR imaging of motion with spatial modulation of magnetization, Radiology 1989; **171:** 841
Axelsson B See **Jangland L**
Axelsson B; Forsberg H; Hansson B; et al: multiple-beam equalization radiography in chest radiology: image quality and radiation dose considerations, Acta Radiol 1991; **32:** 12
Axelsson B; Kalin B; Von Krusenstierna S; et al: comparison of In-111 granulocytes and Tc-99m albumin colloid for bone marrow scintigraphy by the use of quantitative SPECT imaging, Clin Nucl Med 1990; **15:** 473
Axelsson O See **Waldenstrom U**
Axford JS; Bomford A; Revell P; et al: hip arthropathy in genetic hemochromatosis: radiographic and histologic features, (ab), Radiology 1991; **181:** 614
Axon ATR: endoscopic retrograde cholangiopancreatography in chronic pancreatitis: Cambridge classification, Radiol Clin North Am 1989; **27:** 39
Ayala A See **Van Tassel P**
Ayala AG See **Carrasco CH**
Ayala AG See **Grignon DJ**
Ayala AG See **Sher M**
Ayala AG See **White VA**
Ayala AG; Ro JY; Babaian R; et al: prostatic capsule: does it exist? its importance in the staging and treatment of prostatic carcinoma, (ab), Radiology 1989; **172:** 587
Ayers AB See **Guy RL**
Ayers D See **Athanasou NA**
Aygun C See **Chougule P**
Aymard A See **Biondi A**
Aymard A See **Hodes JE**
Aymard A See **Yakes WF**
Aymard A; Marciano S; Cervignon EG; et al: aneurysm of the posterior inferior cerebellar artery: nonselective endovascular treatment. one case, J Neuroradiol 1989; **16:** 75
Aymé EJ; Carstensen EL: cavitation induced by asymmetric, distorted pulses of ultrasound: a biological test, Ultrasound Med Biol 1989; **15:** 61
Ayoub DM See **Kuhn MJ**
Ayton VT See **Smith MA**
Ayuso JR; Ares J; Vilana R; et al: traumatic lung cyst, J Canad Assoc Radiol 1989; **40:** 174
Ayuso MC See **Luburich P**
Ayuso MC See **Perich J**
Ayyangar K See **Wechsler RJ**
Ayyangar KM See **Palta JR**

Ayyangar KM See **Regine WF**
Ayyangar KM See **Saw CB**
Azadniv M See **Miller MW**
Azar-Kia B See **Crow JP**
Azar-Kia B See **Horowitz SW**
Azarnia N See **Cox JD**
Azavedo E; Svane G; Auer G: stereotactic fine-needle biopsy in 2594 mammographically detected non-palpable lesions, (ab), Radiology 1990; **174:** 291
Azavedo E; Svane G; Nordenström B: radiological evidence of response to electrochemical treatment of breast concer, Clin Radiol 1991; **43:** 84
Azavedo E; Svane G; Ringertz H: role of the radiologist in screening for nonpalpable breast tumors in Sweden, Invest Radiol 1991; **26:** 174
Aziz H See **Rotman M**
Azodo MVU See **Schuster JA**
Azodo MVU; Gutierrez OH; DeWeese JA: abdominal aortic dissection with retrograde extension into the thoracic aorta: case report, Cardiovasc Intervent Radiol 1989; **12:** 317
Azodo MVU; Gutierrez OH; Gonda RL Jr: adrenal cortical carcinoma with hepatic metastasis: preoperative radiological evaluation, Comput Med Imag Graph 1989; **13:** 171
Azón A See **Luburich P**
Azón-Masoliver A See **Conill C**
Azouz EM See **Bernstein ML**
Azouz EM See **Kozlowski K**
Azouz EM See **Tannous WN**
Azouz EM See **Vieco PT**
Azouz EM; Kozlowski K; Masel J: soft-tissue tumors of the hand and wrist of children, J Canad Assoc Radiol 1989; **40:** 251
Azouz EM; Larson EJ; Patel J; et al: Beckwith–Wiedemann syndrome: development of nephroblastoma during the surveillance period, Pediatr Radiol 1990; **20:** 550
Azouz M See **Kozlowski K**
Azuma T See **Watabe T**

B

Ba'Aqueel HS See **Patel PJ**
Bååth L: sodium addition and/or oxygen saturation of iohexol during normal and reduced perfusion pressure: effects on contractile force and risk of ventricular fibrillation in the isolated rabbit heart, Acta Radiol 1990; **31:** 525
Bååth L; Almén T: reducing the risk of ventricular fibrillation by adding sodium to ionic and non-ionic contrast media with low iodine concentration: coronary perfusion of the isolated rabbit heart with meglumine diatrizoate or iopentol at 140 mg I/ml and 0–154 mmol Na^+/l, Acta Radiol 1989; **30:** 207
Bååth L; Almén T: reduction of the risk of ventricular fibrillation in the isolated rabbit heart by small additions of electrolytes to non-ionic monomeric contrast media, Acta Radiol 1989; **30:** 327
Bååth L; Almén T; Öksendal A: cardiac effects from addition of sodium ions to nonionic contrast media for coronary arteriography: an investigation in the isolated rabbit heart, Invest Radiol 1990; **25:** S137
Bååth L; Almén T; Öksendal A: effect of sodium addition to non-ionic contrast media on cardiac contractile force: perfusion of the isolated rabbit heart with iohexol and iopentol containing 0 to 154 mmol Na^+/l added as NaCl, Acta Radiol 1990; **31:** 99
Bååth L; Almén T; Öksendal A: oxygen saturation of the low osmolar contrast media iohexol, ioxaglate and iodixanol: effects on contractile force and frequency of ventricular fibrillation in the isolated rabbit heart, Acta Radiol 1990; **31:** 519
Bååth L; Ekberg O; Borulf S; et al: small bowel barium examination in children: diagnostic accuracy and clinical value as evaluated from 331 enteroclysis and follow-through examinations, Acta Radiol 1989; **30:** 621
Baba N See **Shibamoto Y**
Baba S See **Tachibana M**
Babaian R See **Ayala AG**
Babaian RJ; Lamki LM: radioimmunoscintigraphy of prostate cancer, Semin Nucl Med 1989; **19:** 309
Babaria AR See **Trafiet RF**
Babaya K See **Ozono S**
Babbel RW; Harnsberger HR: parapharyngeal space: the key to unlocking the suprahyoid neck, Semin US CT MR 1990; **11:** 444
Babbel RW; Smoker WRK; Harnsberger HR: visceral space: the unique infrahyoid space, Semin US CT MR 1991; **12:** 204
Babcock DS See **Barr LL**
Babcock DS See **Han BK**
Babcock DS See **Matsumoto JS**
Babcock DS See **Shiels WE II**
Babcock DS; Han BK; Weiss RG; et al: brain abnormalities in infants on extracorporeal membrane oxygenation: sonographic and CT findings, AJR 1989; **153:** 571
Babcock EE; Mason RP; Antich PP: effect of homonuclear *J* modulation on ^{19}F spin-echo images, Magn Res Med 1991; **17:** 179
Babcock EE; Vaughan JT; Lesan B; et al: multinuclear NMR investigations of probe construction materials at 4.7 T, Magn Res Med 1990; **13:** 498
Babcook CJ See **Coblentz CL**
Babel SG See **Pozniak MA**
Babensee S See **Powe JE**
Babiak CA See **McHugh K**
Babich JW See **Cherry SR**
Babich JW See **Moyes JSE**
Babich JW See **O'Donoghue JA**
Babikian G See **Brody AS**
Babini JC See **Gusis SE**
Babu ML: case of the season, Semin Roentgenol 1991; **26:** 3
Babu SC See **Kotval PS**
Babu SC; Piccorelli GO; Shah PM; et al: incidence and results of arterial complications among 16,350 patients under going cardiac catheterization, (ab), Radiology 1990; **175:** 291
Babyn P See **Egerszegi EP**
Babyn P See **Eich GF**
Bacani-Faulls M See **Cunningham JJ**
Bacchini P See **Bertoni F**
Bacchini P See **Pignatti G**
Bacchini P See **Present D**
Bacciottini L See **Pupi A**
Bach DB See **Carey LS**
Bach DB: Telebrix: a better-tasting oral contrast agent for abdominal computed tomography, J Canad Assoc Radiol 1991; **42:** 98
Bach DB; Hurlbut DJ; Romano WM; Sutherland FR; Garcia BM; Wall WJ; Ghent CN; Grant DR: human orthotopic small intestine transplantation: radiologic assessment, Radiology 1991; **180:** 37
Bach DB; Vellet AD: retroperitoneal sarcoidosis, AJR 1991; **156:** 520
Bach MC: failure of indium-111 leukocyte scanning to detect nodal involvement with mycobacterium avium-intracellulare infection in the acquired immunodeficiency syndrome, Clin Nucl Med 1989; **14:** 367
Bach MC; Blattner S: occult candida thyroid abscess diagnosed by gallium-67 scanning, Clin Nucl Med 1990; **15:** 395
Bacha L See **Kozlowski K**
Bacha L; Brachimi L; Kozlowski K; et al: peripheral dysplasia: report of a new genetic syndrome, Pediatr Radiol 1989; **19:** 193
Bacharach SL See **Green MV**
Bacharach SL See **Pace L**
Bacharach SL; Bonow RO; Green MV: comparison of fixed and variable temporal resolution methods for creating gated cardiac blood-pool image sequences, J Nucl Med 1990; **31:** 38
Bachaud J-M See **Julia AM**
Bachaud J-M; David J-M; Boussin G; et al: combined postoperative radiotherapy and weekly cisplatin infusion for locally advanced squamous cell carcinoma of the head and neck: preliminary report of a randomized trial, Int J Radiat Oncol Biol Phys 1991; **20:** 243
Bachert-Baumann P See **Semmler W**
Bachert-Baumann P; Ermark F; Zabel H-J; et al: *in vivo* nuclear Overhauser effect in ^{31}P-$\{^1H\}$ double-resonance experiments in a 1.5-T whole-body MR system, Magn Res Med 1990; **15:** 165
Bach-Gansmo T See **Gundersen HG**
Bach-Gansmo T See **Lönnemark M**
Bachmann K See **Moshage W**
Bacic G See **Magin RL**
Bacic G; Niesman MR; Magin RL; et al: NMR and ESR study of liposome delivery of Mn^{2+} to murine liver, Magn Res Med 1990; **13:** 44
Bačić G; Nilges MJ; Magin RL; et al: *in* vivo localized ESR spectroscopy reflecting metabolism, Magn Res Med 1989; **10:** 266
Bacic GG See **Niesman MR**
Bäckdahl M See **Ekman ET**
Backer CL See **Lowe GM**
Backman U See **Jennerbolm S**
Bäckström T; Cajander S; Kjellgren O; et al: results of primary radiation treatment of endometrial carcinoma: 20 years' experience of an unselected material from the north of Sweden, Acta Oncol 1989; **28:** 569
Backus M See **Ben-Ami T**
Bacon DR: prediction of *in situ* exposure to ultrasound: an improved method, Ultrasound Med Biol 1989; **15:** 355
Bada HS See **Perry EH**
Baddeley H See **Golfieri R**
Bader D See **Baker MR**
Bader J See **Dorr FA**
Bader-Armstrong B; Shah Y; Rubens D: use of ultrasound and magnetic resonance imaging in the diagnosis of cervical pregnancy, JCU 1989; **17:** 283
Badger CC See **Eary JF**
Bae WK See **Kim PN II**
Bae WK See **Lee KS**
Baehren W See **Henze E**
Baekelandt M; Vansteenberge R; Van der Spek P; et al: rectal stenosis following the use of suppositories containing paracetamol and acetylsalicylic acid, Gastrointest Radiol 1990; **15:** 171
Baer HM; Siegelbaum MH; Seidman EJ; et al: venous intravasation of barium into the inferior mesenteric vein mimicking a colureteral fistula: a case report and literature review, (ab), Radiology 1989; **172:** 885
Baer JW: extraperitoneal mass effect by ascites under tension, Gastrointest Radiol 1990; **15:** 3
Baer S See **Thurnher S**
Baert AL See **Leyman P**
Baert AL See **Marchal G**
Baert AL See **Peene P**
Baert AL See **Rigauts H**
Baert AL See **Wilms GE**
Baert AL; Roex L; Marchal G; et al: computed tomography of the stomach with water as an oral contrast agent: technique and preliminary results, JCAT 1989; **13:** 633
Baert AL; Roex L; Wilms G; et al: computed tomography of the rectum with water as contrast agent, Gastrointest Radiol 1989; **14:** 345
Baert AL; Wilms G; Amery A; et al: percutaneous transluminal renal angioplasty: initial results and long-term follow-up in 202 patients, Cardiovasc Intervent Radiol 1990; **13:** 22
Baert L See **Van Poppel H**
Baeten C See **Goei R**
Baffa O See **Perussi JR**
Bagg MN See **Galbraith P**
Bagg MN See **O'Connor KF**
Bagga A; Srivastava RN; Gupta S; et al: spondylometaphyseal dysplasia with hypercalcemia, Pediatr Radiol 1989; **19:** 551
Baggs RB See **Parker KJ**
Baggs RB See **Tuthill TA**
Bagley D See **Goldberg BB**
Bagley DH Jr See **Sullivan KL**
Bagne FR See **Dobelbower RR Jr**
Bagne FR; Dobelbower RR Jr; Milligan AJ; et al: treatment of cancer of the pancreas by intraoperative electron beam therapy: physical and biological aspects, Int J Radiat Oncol Biol Phys 1989; **16:** 231
Bagne FR; Merrick HW III; Samsami N; et al: radiation dose perturbation in the presence of permanent vascular-access injection ports, Int J Radiat Oncol Biol Phys 1990; **18:** 463
Bagshaw MA See **Kaplan I**
Bagshawe KD See **Humm JL**
Bagshawe KD; Sharma SK; Southall PJ; et al: selective uptake of toxic nucleoside (^{125}IUdR) by resistant cancer, Br J Radiol 1991; **64:** 37
Bahakim H See **Hawass N-E-D**
Bahar RH See **Abdel-Dayem HM**
Bahia JO; Wilson MH: mucocele of the appendix presenting as an adnexal mass, JCU 1989; **17:** 62
Bahn DK; Brown RKJ; Shei K-Y; et al: sonographic findings of leiomyoma in the seminal vesicle, JCU 1990; **18:** 517
Bahn RC See **Spyra WJT**
Bahnson RR; Zaontz MR; Maizels M; et al: ultrasonography and diagnosis of pediatric genitourinary rhabdomyosarcoma, (ab), Radiology 1989; **172:** 888
Bahr AL See **Frederick PR**
Baierl P See **Sze G**
Baierl P; Mühlsteffen A; Haustein J; et al: comparison of plain and Gd-DTPA-enhanced MR-imaging in children, Pediatr Radiol 1990; **20:** 515
Baijal VN See **Puri S**
Bailey DL; Fulton RR; Jackson CB; et al: dynamic geometric mean studies using a single headed rotating gamma camera, J Nucl Med 1989; **30:** 1865
Bailey KR See **Roger VL**
Baillet F See **Housset M**
Baillet F; Housset M; Dessard-Diana B; et al: positive clinical experience with misonidazole in brachytherapy and external radiotherapy, Int J Radiat Oncol Biol Phys 1989; **16:** 1073
Baillet F; Housset M; Maylin C; et al: use of a specific hypofractionated radiation therapy regimen versus classical fractionation in the treatment of breast cancer: a randomized study of 230 patients, Int J Radiat Oncol Biol Phys 1990; **19:** 1131

Baillet GY; Mena IG; Kuperus JH; et al: simultaneous technetium-99m MIBI angiography and myocardial perfusion imaging, J Nucl Med 1989; 30: 38
Baillie J See Gulliver DJ
Baily GG See Clifton AG
Baily NA See Rimkus DS
Baim DS See Weinstein JS
Baim R See Mandel PR
Baines CJ; McFarlane DV; Miller AB: role of the reference radiologist: estimates of inter-observer agreement and potential delay in cancer detection in the National Breast Screening Study, Invest Radiol 1990; 25: 971
Baines CJ; Miller AB; Kopans DB; et al: Canadian National Breast Screening Study: assessment of technical quality by external review, AJR 1990; 155: 743
Bains M See Armstrong JG
Bains MS See Heelan RT
Bair JH See Johnson KK
Baird DE See Hopper KD
Baird RN See Jeans WD
Bairey CN See de Yang L
Bajakian R See Edelman RR
Bajakian R See Wallner BK
Bajakian RL See Swayne LC
Bajc M See Maeder P
Bajpai D See Mantravadi RVP
Bajwa N; Bianco JA; Stone CK: thallium myocardial scintigraphy in congenitally-corrected transposition of the great arteries, J Nucl Med 1991; 32: 1611
Bak M See Iversen P
Bakal CW See Spies JB
Bakal CW See Sprayregen S
Bakal CW; Friedland RJ; Sprayregen S; Calligaro KD; Cynamon J; Veith FJ: translumbar arch aortography: a retrospective controlled study of usefulness, technique, and safety, Radiology 1991; 178: 225
Bakal CW; Sprayregen S; Scheinbaum K; et al: percutaneous transluminal angioplasty of the infrapoplíteal arteries: results in 53 patients, AJR 1990; 154: 171
Bakanauskas VJ See McKenna WG
Baker AJ; Carson PJ; Miller RG; et al: investigations of muscle bioenergetics with ^{31}P NMR, Invest Radiol 1989; 24: 1001
Baker AR See Morse MH
Baker BJ See Purnell GL
Baker BK; Sundaram M; Awwad EE: case report 688, Skeletal Radiol 1991; 20: 463
Baker DE See Helvie MA
Baker DH: reflections of men and machines from red goggles and spin wobbles, AJR 1989; 153: 913
Baker EJ See Smith MA
Baker EL See Radin DR
Baker FL See Brock WA
Baker HL Jr See Nesbit GM
Baker HL Jr: radiologic research and education: now is the time for all to come to the aid, Radiology 1989; 171: 612
Baker HL Jr; Redman HC: policy statement on grants and awards by the RSNA Research and Education Fund Board of Trustees, Radiology 1990; 176: 861
Baker J See Malet PF
Baker JA See Berry JJ
Baker JD See Evans JM
Baker JD See Gomes AS
Baker JD See Quiñones-Baldrich WJ
Baker JD See Stone PR
Baker JD; Skidmore R; Cole SEA: LaPlace transform analysis of femoral artery Doppler signals: the state of the art, Ultrasound Med Biol 1989; 15: 13
Baker JP See Zalev AH
Baker KS; Gilula LA: current role of tenography and bursography, AJR 1990; 154: 129
Baker KS; Monsees BS; Diaz NM; Destouet JM; McDivitt RW: carcinoma within fibroadenomas: mammographic features, Radiology 1990; 176: 371
Baker LL; Goodman SB; Perkash I; Lane B; Enzmann DR: benign versus pathologic compression fractures of vertebral bodies: assessment with conventional spin-echo, chemical-shift, and STIR MR imaging, Radiology 1990; 174: 495
Baker LL; Hartman GE; Northway WH: sonographic detection of congenital pancreatic cysts in the newborn: report of a case and review of the literature, Pediatr Radiol 1990; 20: 488
Baker LL; Kucharczyk J; Sevick RJ; et al: recent advances in MR imaging/spectroscopy of cerebral ischemia, AJR 1991; 156: 1133
Baker LL; Parker BR; Donaldson SS; et al: staging of Hodgkin disease in children: comparison of CT and lymphography with laparotomy, AJR 1990; 154: 1251
Baker MA See Zeman EM
Baker ME See Charles HC
Baker ME See Cohan RH
Baker ME See Gulliver DJ
Baker ME See Jacoby WT
Baker ME See Lombardo DM
Baker ME See McDonnell CH III
Baker ME: pancreatic adenocarcinoma: are there pathognomonic changes in the fat surrounding the superior mesenteric artery?, Radiology 1991; 180: 613
Baker ME; Blinder R; Spritzer CE; et al: MR evaluation of adrenal masses at 1.5 T, AJR 1989; 153: 307
Baker ME; Cohan RH; Cooper C; et al: dynamic, incremental computed tomography using a high heat capacity tube, solid-state detector, and automated injector: potential in body imaging, Clin Imag 1989; 13: 189
Baker ME; Cohan RH; Nadel SN; et al: obliteration of the fat surrounding the celiac axis and superior mesenteric artery is not a specific CT finding of carcinoma of the pancreas, AJR 1990; 155: 991
Baker MK; Kopecky KK: endoscopic US in the staging of esophageal and gastric cancer, Radiology 1991; 181: 342
Baker MK; Kopecky KK; Bogan M; et al: unequal doses of ioversol versus diatrizoate for urography, Urol Radiol 1990; 12: 168
Baker ML See Long CA
Baker MR See Kuhn MJ
Baker MR See Neal CE
Baker MR; Bader D; Hopewell JW: effects of single doses of X rays on the mechanical properties of pig skin *in vivo*, Br J Radiol 1989; 62: 830
Baker ND; Klein JD; Weidner N; et al: pigmented villonodular synovitis containing coarse calcifications, AJR 1989; 153: 1228
Baker RJ See Cunningham KM
Baker RR; Kuhajda FP: clinical management of a normal contralateral breast in patients with lobular breast cancer, (ab), Radiology 1990; 175: 291
Baker S See Cohen MD
Baker SP See Schuster JJ
Baker SR See Arena L
Baker SR See Cho KC
Bakirci N See Feczko PJ
Bakke SJ See Hald JK
Bakke SJ See Nakstad PH
Bakker AR: HIS, RIS, and PACS, Comput Med Imag Graph 1991; 15: 157
Bakker CJG See Van den Hout JHW
Bakker W See Tjon A Tham RTO
Bakker WH; Krenning EP; Breeman WA; et al: in vivo use of a radioiodinated somatostatin analogue: dynamics, metabolism, and binding to somatostatin receptor-positive tumors in man, J Nucl Med 1991; 32: 1184
Bakker WH; Krenning EP; Breeman WA; et al: receptor scintigraphy with a radioiodinated somatostatin analogue: radiolabeling, purification, biologic activity, and in vivo application in animals, J Nucl Med 1990; 31: 1501
Bakker-Niezen SH See Merx JL
Bakody P See Kioumehr F
Bakri Y See Hugosson C
Bakris GL; Gaber AO; Jones JD: oxygen free radical involvement in urinary Tamm-Horsfall protein excretion after intrarenal injection of contrast medium, Radiology 1990; 175: 57
Bal C; Nair N: therapeutic efficacy of oral cholecystographic agent (iopanoic acid) in the management of hyperthyroidism, J Nucl Med 1990; 31: 1180
Balaban RS See Berkowitz BA
Balaban RS See Eng J
Balaban RS See Swain JA
Balaban RS See Wolff SD
Balaban RS: experimental preparations and models for MRS, Invest Radiol 1989; 24: 948
Balaban RS: MRS of the kidney, Invest Radiol 1989; 24: 988
Balaban RS; Chesnick S; Hedges K; Samaha F; Heineman FW: magnetization transfer contrast in MR imaging of the heart, Radiology 1991; 180: 671
Balachandran S See Kumar R
Balakrishnan J See Yousem DM
Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN: acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Radiographics 1990; 10: 201
Balakrishnan J; Meziane MA; Siegelman SS; et al: pulmonary infarction: CT appearance with pathologic correlation, JCAT 1989; 13: 941
Balaram P See Pillai MR
Balbarini A; Limbruno U; Bertoli D; et al: evaluation of pulmonary vascular pressures in cardiac patients: the role of the chest roentgenogram, J Thorac Imag 1991; 6-2: 62
Balcer-Kubiczek EK See Harrison GH
Balch C See Andersson M
Balconi G See Derchi LE
Baldas J; Bonnyman J; Ivanov Z: use of high performance liquid chromatography for the structural identification of technetium-99m radiopharmaceuticals at the NCA level, J Nucl Med 1989; 30: 1240
Balderston RA See Foley M
Baldetorp B See Ewers S-B
Baldi C; Capece G; Di Muro MR; et al: fetal atrial fibrillation: in utero detection with real-time directed M-mode echocardiography, JCU 1990; 18: 185
Baldock C; Arnold MT: film cassette for quality assurance of dental x-ray tubes, Br J Radiol 1990; 63: 720
Balducci L See Graham BL
Balduini FC See Liem MD
Baldwin BH See Reimer P
Baldwin D See Carvalho P
Baldwin JE; Freer CEL: pituitary computed tomography: is contrast enhancement necessary?, Clin Radiol 1990; 42: 20
Baldwin JE; Wraight EP: indium labelled leucocyte scintigraphy in occult infection: a comparison with ultrasound and computed tomography, Clin Radiol 1990; 42: 199
Baldwin NJ See Ng TC
Baldwin NJ See Sijens PE
Balériaux D See Christophe C
Balériaux D See Parizel PM
Balériaux DF See Segebarth CM
Balestrini MR See Visciani A
Balfe DM See Brown JJ
Balfe DM See Engels JT
Balfe DM See Glick SN
Balfe DM See Gutierrez ED
Balfe DM See Heiken JP
Balfe DM See Kang EH
Balfe DM See Martin K
Balfe DM See Moss AA
Balfe DM See Siegel MJ
Balfe DM See Tartar VM
Balfe DM; Chezmar J; Koehler RE; Lichtenstein JE; Nelson R: abdominal-gastrointestinal radiology: RSNA '90 meeting notes, Radiology 1991; 178: 911
Balfe DM; Koehler RE; Lichtenstein JE: abdominal-gastrointestinal radiology, RSNA '89 meeting notes, Radiology 1990; 174: 602
Balikian JP See Waite RJ
Balistreri WF See Bisset GS III
Balkanci F; Farid N; Guran S; et al: high incidence of spontaneous splenorenal shunting shown by digital splenoportography, Pediatr Radiol 1991; 21: 145
Balkau B See Clement O
Ball ABS: regional chemotherapy for colorectal hepatic metastases using degradable starch microspheres: a review, Acta Oncol 1991; 30: 309
Ball ABS; Cassoni A; Watkins RM; et al: silicone implant to prevent visceral damage during adjuvant radiotherapy for retroperitoneal sarcoma, Br J Radiol 1990; 63: 346
Ball D See Ngan S
Ball D; Bishop J; Crennan E; et al: concurrent radiotherapy and carboplatin in non small-cell lung cancer: a pilot study using conventional and accelerated fractionation, Australas Radiol 1991; 35: 66
Ball DS See Sheline M
Ball JB Jr See Proto AV
Ball ME See Adams R
Ball MR See Elster AD
Ball MR See Richardson DN
Ball TI See Stephenson CA
Ball TJ See Wolfsen HC
Ball WS See Barr LL
Ball WS See Gallagher PG
Ball WS Jr See Brody AS
Ball WS Jr See Burton EM
Ball WS Jr See Chen PC
Ball WS Jr See Kirks DR
Ball WS Jr See Matsumoto J
Ball WS Jr See Mize W
Ball WS Jr See Rand PK
Ball WS Jr: nonaccidental craniocerebral trauma (child abuse): MR imaging, Radiology 1989; 173: 609
Ball WS Jr; Bisset GS III: percutaneous drainage of chest abscesses in children: reply, Radiology 1989; 173: 575
Ball WS Jr; Bisset GS III; Towbin RB: percutaneous drainage of chest abscesses in children, Radiology 1989; 171: 431
Ballal S See Sundaram M
Ballard CA See Bergman A
Ballard DJ See Cameron AJ
Ballard RL See Savader BL
Ballardini G See Cozzi G
Ballardini G See Morosi C
Ballas SK; Park CH: severe hypoxemia secondary to acute sternal infarction in sickle cell anemia, J Nucl Med 1991; 32: 1617
Ballem PJ See Stratton JR
Ballerio C See Young SW
Ballesta A See Marti-Bonmati L
Ballinger JR See Reid RH
Ballinger JR; Gulenchyn KY; Reid RH: radiopharmaceutical factors in the variable quality of [^{99m}Tc]HM-PAO images of the brain, J Nucl Med 1990; 31: 118

Ballinger R; Magin RL; Webb AG: sucrose polyester: a new oral contrast agent for MRI, Magn Res Med 1991; **19:** 199

Ballon D See **Koutcher JA**

Ballon D; Jakubowski A; Gabrilove J; et al: *in vivo* measurements of bone marrow cellularity using volume-localized proton NMR spectroscopy, Magn Res Med 1991; **19:** 85

Balmukhanov SB; Beisebaev AA; Aitkoolova ZI; et al: intratumoral and parametrial infusion of metronidazole in the radiotherapy of uterine cervix cancer: preliminary report, Int J Radiat Oncol Biol Phys 1989; **16:** 1061

Balmukhanov SB; Beisebaev AA; Mustaphin DS; et al: topical infusion of metronidazole in the radiotherapy of tumours of the uterine cervix: interim report on the 2 year survival, Br J Radiol 1990; **63:** 499

Balogh K See **Medeiros LJ**

Balon HR See **Fink-Bennett D**

Balon HR; Fink-Bennett D: scintigraphic demonstration of restored Denver peritoneovenous shunt patency using urokinase, Clin Nucl Med 1989; **14:** 310

Balon HR; Meier DA: large substernal goiter as a cause of a pulmonary perfusion defect, Clin Nucl Med 1990; **15:** 806

Balotin RJ See **Meglin AJ**

Balsam D; Wasserstein GJ: spontaneous perforation of the common bile duct in children, Radiology 1990; **174:** 578

Balsara RK See **Faerber EN**

Balsara Z See **Grosskreutz S**

Balsara ZN See **Brink DA**

Balsara ZN See **Burks DD**

Balsara ZN See **Legan JM**

Balsara ZN; Stainken BF; Martinez AJ: MR image of localized giant cell tumor of the tendon sheath involving the knee, JCAT 1989; **13:** 159

Balschi JA See **Chu SC-K**

Balschi JA See **Xu Y**

Balseiro J See **Cole TJ**

Balseiro J; Fratkin MJ; Hirsch HI; et al: persistent splenic visualization on technetium-99m DISIDA hepatobiliary studies, Clin Nucl Med 1990; **15:** 237

Balshi JD; Cantelmo NL; Menzoian JO: complications of caval interruption by Greenfield filter in quadriplegics, (ab), Radiology 1989; **173:** 884

Balter MS; Fraser LE: *Haemophilus influenzae* abscess presenting as an asymptomatic lung mass, J Canad Assoc Radiol 1990; **41:** 98

Balter S See **Henschke CI**

Balter S: introduction. *RadioGraphics* monograph: the technical history of radiology, Radiographics 1989; **9:** 1099

Balter S; Tuddenham WJ: conclusion. *RadioGraphics* monograph: the technical history of radiology, Radiographics 1989; **9:** 1283

Balthazar EJ See **Lubat E**

Balthazar EJ See **Megibow AJ**

Balthazar EJ: acute pancreatitis: prognostic value of CT, (ab), Radiology 1990; **176:** 882

Balthazar EJ: CT diagnosis and staging of acute pancreatitis, Radiol Clin North Am 1989; **27:** 19

Balthazar EJ: CT of the gastrointestinal tract: principles and interpretation, AJR 1991; **156:** 23

Balthazar EJ; Gordon RB: CT of appendicitis, Semin US CT MR 1989; **10:** 326

Balthazar EJ; Gordon RB; Hulnick DH: ileocecal tuberculosis: CT and radiologic evaluation, AJR 1990; **154:** 499

Balthazar EJ; Megibow AJ; Schinella RA; et al: limitations in the CT diagnosis of acute diverticulitis: comparison of CT, contrast enema, and pathologic findings in 16 patients, AJR 1990; **154:** 281

Balthazar EJ; Megibow AJ; Siegel SE; Birnbaum BA: appendicitis: prospective evaluation with high-resolution CT, Radiology 1991; **180:** 21

Balthazar EJ; Robinson DL; Megibow AJ; Ranson JHC: acute pancreatitis: value of CT in establishing prognosis, Radiology 1990; **174:** 331

Balu D See **Abdel-Nabi HH**

Baluch JD See **Aronson S**

Balu-Maestro C See **Bruneton J-N**

Balu-Maestro C; Bruneton J-N; Geoffray A; et al: ultrasonographic posttreatment follow-up of breast cancer patients, J Ultrasound Med 1991; **10:** 1

Balzarini L See **Petrillo R**

Balzarini L See **Tesoro-Tess JD**

Balzarini L; Ceglia E; D'Ippolito G; et al: local recurrence of rectosigmoid cancer: what about the choice of MRI for diagnosis?, Gastrointest Radiol 1990; **15:** 338

Bamane VS See **Ranade SS**

Bamber JC See **Cosgrove DO**

Bamber JC See **Schoenberger SG**

Ban N See **Nakamura T**

Bancroft J See **Allard JC**

Banderali A See **Derchi LE**

Bandstra ES; Montalvo BM; Goldberg RN; et al: prophylactic indomethacin for prevention of intraventricular hemorrhage in premature infants, (ab), Radiology 1989; **171:** 887

Bandyk DF See **Bergamini TM**

Bandyk DF; Towne JB; Schmitt DD; et al: therapeutic options for acute thromboseed in situ saphenous vein arterial bypass grafts, (ab), Radiology 1990; **177:** 893

Bane BL; Evans HL; Ro JY; et al: extraskeletal osteosarcoma: a clinicopathologic review of 26 cases, (ab), Radiology 1990; **177:** 896

Banerian KG; Roberts JL; Borrego JC; Martinez A: CT-guided thermocouple placement for hyperthermia treatment, Radiographics 1990; **10:** 499

Banerian KG; Wang A-M; Samberg LC; Kerr HH; Wesolowski DP: association of vertebral end plate fracture with pediatric lumbar intervertebral disk herniation: value of CT and MR imaging, Radiology 1990; **177:** 763

Banerjee AK See **Carvalho P**

Banerjee AK: unusual cause of a pain in the calf, Br J Radiol 1991; **64:** 751

Banerjee AK; Carvalho P: hypertrophic pulmonary osteoarthropathy due to a pulmonary metastasis from a soft tissue sarcoma, Clin Nucl Med 1991; **16:** 270

Banerjee B; Das RK: sonographic detection of foreign bodies of the extremities, Br J Radiol 1991; **64:** 107

Banerjee P See **Gaspar LE**

Banerji AK See **Gupta RK**

Banerji AK See **Jena A**

Bankoff MS See **Outwater E**

Bankoff MS See **Vogelzang PJ**

Bankoff MS; Belkin BA: technical note: percutaneous fine needle aspiration biopsy using a modified coaxial technique, Cardiovasc Intervent Radiol 1989; **12:** 43

Banks PA See **Gerzof SG**

Banks PM See **Frassica DA**

Banks WL Jr See **Hirsch JI**

Banna M; Aur R; Akkad S: orbital granulocytic sarcoma, AJNR 1991; **12:** 255

Banna M; El-Ramahi K: neurologic involvement in Behcet disease: imaging findings in 16 paients, AJNR 1991; **12:** 791

Banna M; Lasjaunias P: arteries of the lingual thyroid: angiographic findings and anatomic variations, AJNR 1990; **11:** 730

Banna M; Malabarey T: lissencephaly and pachygyria, J Canad Assoc Radiol 1989; **40:** 156

Banner H See **Kramer EL**

Banner MP See **Amendola MA**

Banner MP: extracorporeal shock wave lithotripsy: selection of patients and long-term complications, Radiol Clin North Am 1991; **29:** 543

Banner MP; Amendola MA; Pollack HM: anastomosed ureters: fluoroscopically guided transconduit retrograde catheterization, Radiology 1989; **170:** 45

Banner MP; VanArsdalen KN; Pollack HM: extracorporeal shock wave lithotripsy of ureteral calculi, Radiology 1990; **174:** 12

Bannister KM; Penglis S; Bellen JC; et al: kit preparation of technetium-99m-mercaptoacetyltriglycine: analysis, biodistribution and comparison with technetium-99m-DTPA in patients with impaired renal function, J Nucl Med 1990; **31:** 1568

Banno J See **Castaneda F**

Banno T See **Otake S**

Bannochie CJ See **Madsen SL**

Bannon KR See **Goldsher D**

Bannon KR See **Litt AW**

Bansal S See **Sunshine JH**

Banskota AK; Mayo-Smith W; Rajbhandari S; et al: case report 548, Skeletal Radiol 1989; **18:** 318

Banzo I; Carril JM; Arnal C; et al: left-sided gallbladder: an incidental finding on hepatobiliary scintigraphy, Clin Nucl Med 1990; **15:** 358

Banzo J See **Prats E**

Banzo J; Prats E; Abós MD; et al: visualization of lumbar spine and sacral area by dynamic renal scan, Clin Nucl Med 1990; **15:** 660

Baquero J See **Denny DF Jr**

Bar MH See **Saxon RR**

Barakat K See **Fakhry J**

Barakos JA See **Brown JJ**

Barakos JA See **Weber WN**

Barakos JA; Brown JJ; Brescia RJ; et al: high signal intensity lesions of the chest in MR imaging, JCAT 1989; **13:** 797

Barakos JA; Brown JJ; Higgins CB: MR imaging of secondary cardiac and paracardiac lesions, AJR 1989; **153:** 47

Barakos JA; D'Amour PG; Dillon WP; et al: trigeminal sensory neuropathy caused by cervical disk herniation, AJNR 1990; **11:** 609

Barakos JA; Dillon WP; Chew WM: orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Radiology 1991; **179:** 191

Barakos JA; Goldberg HI; Brown JJ; et al: comparison of computed tomography and magnetic resonance imaging in the evaluation of focal hepatic lesions, Gastrointest Radiol 1990; **15:** 93

Barakos JA; Mark AS; Dillon WP; et al: MR imaging of acute transverse myelitis and AIDS myelopathy, JCAT 1990; **14:** 45

Baral E See **Nylén U**

Baral E; Auer G: *in vitro* effect of doxorubicin on non-proliferating and proliferating epithelial cells, Int J Radiat Oncol Biol Phys 1990; **19:** 963

Baran G See **Sundaram M**

Baran GA; Vas WG; Sundaram M; et al: case report 544, Skeletal Radiol 1989; **18:** 459

Baran GW; Golin AL; Bergsma CJ; Stone TE; Wilson PR; Reichardt BA; Lobert PF; Locke CS: biologic aggressiveness of palpable and nonpalpable prostate cancer: assessment with endosonography, Radiology 1991; **178:** 201

Baran SD See **Fineman DS**

Baraniewski HM See **Yuh WTC**

Baranowska-Kortylewicz J See **Makrigiorgos GM**

Bárány M See **Mafee MF**

Bárány M; Siegel IM; Venkatasubramanian PN; Mok E; Wilbur AC: human leg neuromuscular diseases: P-31 MR spectroscopy, Radiology 1989; **172:** 503

Bárány M; Venkatasubramanian PN; Mok E; et al: quantitative and qualitative fat analysis in human leg muscle of neuromuscular diseases by ^{1}H MR spectroscopy *in vivo*, Magn Res Med 1989; **10:** 210

Barasch E; Lombardi LJ; Arena L; et al: MRI visualization of bilateral quadriceps tendon rupture in a patient with secondary hyperparathyroidism: implications for diagnosis and therapy, Comput Med Imag Graph 1989; **13:** 407

Barash A See **Caspi B**

Barat J-L; Marchal JC; Bracard S; et al: mucoceles of the sphenoidal sinus: report of six cases and review of the literature, J Neuroradiol 1990; **17:** 135

Baraton J See **Taviere V**

Baratz AB See **Britton CA**

Baratz AB See **Harris KM**

Barbara L See **Bolondi L**

Barbaric ZL See **Cochran ST**

Barbaric ZL; Wegenius GA; Anderson GM: MR imaging: vascular anatomy of the abdomen, Radiographics 1989; **9:** 69

Barber BJ; Schaefer DJ; Gordon CJ; et al: thermal effects of MR imaging: worst-case studies on sheep, AJR 1990; **155:** 1105

Barber CJ See **Choudhri AH**

Barber CJ See **Stevens JM**

Barber CJ: case report: serious adverse reactions to patent blue violet at lymphography, Clin Radiol 1989; **40:** 631

Barber CJ: central venous catheter placement for intravenous digital subtraction angiography: an assessment of technical problems and success rate, Br J Radiol 1989; **62:** 599

Barber CJ; Rowlands PC; McCarty M; et al: clinical utility of cranial CT in HIV positive and AIDS patients with neurological disease, Clin Radiol 1990; **42:** 164

Barber HB See **Woolfenden JM**

Barber RW See **Miles KA**

Barber V See **Guidera KJ**

Barbera JT See **Frank RG**

Barber-Derus S See **Lawton CA**

Barberena J See **Franquet T**

Barbet JP See **Kalifa G**

Barbieri E; Emiliani E; Zini G; et al: combined therapy of localized Ewing's sarcoma of bone: analysis of results in 100 patients, Int J Radiat Oncol Biol Phys 1990; **19:** 1165

Barbierre C See **Morrison DA**

Barboriak D See **Chew FS**

Barbot DJ See **Recht MP**

Barbour PJ See **Rae-Grant AD**

Bard M See **Beaulé V**

Barden HS See **Mazess RB**

Bardenstein DS; Smith AS: artificial tears for orbital and ocular MR imaging, Radiology 1991; **179:** 584

Bardin T See **Cornélis F**

Bardram L See **Rehfeld JF**

Barendswaard EC; Prpic H; Van der Wall EE; et al: right ventricle wall motion abnormalities in patients treated with chemotherapy, Clin Nucl Med 1991; **16:** 513

Bareniewski H See **Thompson BH**

Barest G See **Brown AP**

Barest G See **Masterson ME**

Barest G See **Sgouros G**

Barette R; Verreault J: demonstration of periorbital cerebrospinal fluid leak by radionuclide cisternography, Clin Nucl Med 1989; **14:** 309

Baribeau Y See **Eugene J**
Barillari B See **Geatti O**
Baris S See **Demirci A**
Barish RJ: dosimetry of ionizing radiation. vol 3, Radiology 1991; **180:** 120
Barish RJ: primer on theory and operation of linear accelerators in radiation therapy, Radiology 1990; **177:** 176
Barish RJ: radiation exposure and occupational risks, Radiology 1991; **180:** 340
Barish RJ: treatment simulators. *British Journal of Radiology* supplement 23, Radiology 1990; **177:** 406
Barkai G See **Kushnir O**
Barkan A See **Layton MW**
Barkel DC; Pemberton JH; Pezim ME; et al: scintigraphic assessment of the anorectal angle in health and after ileal pouch-anal anastomosis, (ab), Radiology 1989; **170:** 288
Barker BA See **Fleckenstein JL**
Barker BC See **Böck JC**
Barker CS; Anslow PL: case report: spontaneous thrombosis of a cerebral arteriovenous malformation, Clin Radiol 1990; **42:** 130
Barker CS; Lindsell DRM: ultrasound of the palpable abdominal mass, Clin Radiol 1990; **41:** 98
Barker PG; Raby ND: case of the month: a soldier with recurrent back pain, Br J Radiol 1991; **64:** 763
Barker W See **Chang JY**
Barker WW See **Bowen BC**
Barker WW See **Pascal S**
Barkhof F See **Algra PR**
Barkhof F; Scheltens P; Valk J; et al: serial quantitative MR assessment of optic neuritis in a case of neuromyelitis optica, using gadolinium-"enhanced" STIR imaging, Neuroradiol 1991; **33:** 70
Barki Y See **Adear H**
Barkin JS See **Cohen ME**
Barkin JS See **McGovern R**
Barkley HT Jr See **Slater JD**
Barkoff ND See **Weinreb JC**
Barkovich AJ See **Aoki S**
Barkovich AJ See **Filly RA**
Barkovich AJ See **Kjos BO**
Barkovich AJ See **Okada Y**
Barkovich AJ See **Raghavan N**
Barkovich AJ See **Tien RD**
Barkovich AJ See **Truwit CL**
Barkovich AJ: apparent atypical callosal dysgenesis: analysis of MR findings in six cases and their relationship to holoprosencephaly, AJNR 1990; **11:** 333
Barkovich AJ; Chuang SH: unilateral megalencephaly: correlation of MR imaging and pathologic characteristics, AJNR 1990; **11:** 523
Barkovich AJ; Edwards MSB; Cogen PH: MR evaluation of spinal dermal sinus tracts in children, AJNR 1991; **12:** 123
Barkovich AJ; Edwards MSB; Cogen PH: MR evaluation of spinal dermal sinus tracts in children, AJR 1991; **156:** 791
Barkovich AJ; Fram EK; Norman D: septo-optic dysplasia: MR imaging, Radiology 1989; **171:** 189
Barkovich AJ; Jackson DE Jr; Boyer RS: band heterotopias: a newly recognized neuronal migration anomaly, Radiology 1989; **171:** 455
Barkovich AJ; Kjos BO; Norman D; et al: revised classification of posterior fossa cysts and cystlike malformations based on the results of multiplanar MR imaging, AJNR 1989; **10:** 977
Barkovich AJ; Kjos BO; Norman D; et al: revised classification of posterior fossa cysts and cystlike malformations based on the results of multiplanar MR imaging, AJR 1989; **153:** 1289
Barkovich AJ; Newton TH: MR of aqueductal stenosis: evidence of a broad spectrum of tectal distortion, AJNR 1989; **10:** 471
Barkovich AJ; Raghavan N; Chuang SH; et al: wedge-shaped cord terminus: a radiographic sign of caudal regression, AJNR 1989; **10:** 1223
Barkovich AJ; Truwit CL: brain damage from perinatal asphyxia: correlation of MR findings with gestational age, AJNR 1990; **11:** 1087
Barkovich AJ; Vandermarck P; Edwards MSB; et al: congenital nasal masses: CT and MR imaging features in 16 cases, AJNR 1991; **12:** 105
Barkovich AJ; Vandermarck P; Edwards MSB; et al: congenital nasal masses: CT and MR imaging features in 16 cases, AJR 1991; **156:** 587
Barlogie B See **Alexanian R**
Barloon TJ See **Honda H**
Barloon TJ See **Loes DJ**
Barloon TJ See **Mori M**
Barloon TJ See **Yuh WTC**
Barloon TJ; Brown RC; Berbaum KS: current status of adult uroradiology: a survey of members of the Society of Uroradiology, AJR 1990; **154:** 301
Barloon TJ; Lu CH; Honda H; et al: primary adenocarcinoma of the duodenal bulb: radiographic and pathologic findings in two cases, Gastrointest Radiol 1989; **14:** 223
Barloon TJ; Yang CJC; Berbaum KS; et al: plasma electrolyte status following enteroclysis in patients with partial small-bowel obstruction, Invest Radiol 1989; **24:** 616
Barloon TJ; Yuh WTC; Knepper LE; et al: cerebral ventriculitis: MR findings, JCAT 1990; **14:** 272
Barnes CL See **Walker CW**
Barnes D See **O'Brien K**
Barnes D: abnormal signal in deep white-matter infarction, Radiology 1989; **170:** 279
Barnes D; Harvey I; McDonald WI; et al: effect of chlorpromazine and methylprednisolone on NMR relaxation times in the normal cat brain, Magn Res Med 1991; **18:** 232
Barnes DA See **Grattan-Smith JD**
Barnes DWH See **Hopewell JW**
Barnes DWH See **Rezvani M**
Barnes DWH See **van den Aardweg GJMJ**
Barnes FS See **Mihran RT**
Barnes GT See **Fraser RG**
Barnes GT See **Gray JE**
Barnes GT See **Wu X**
Barnes GT: AAPM tutorial: contrast and scatter in x-ray imaging, Radiographics 1991; **11:** 307
Barnes GT; Sabbagh EA; Chakraborty DP; et al: comparison of dual-energy digital radiography and screen-film imaging in the detection of subtle interstitial pulmonary disease, Invest Radiol 1989; **24:** 585
Barnes M See **Kinsella TJ**
Barnes M; Duray P; DeLuca A; et al: tumor induction following intraoperative radiotherapy: late results of the National Cancer Institute canine trials, Int J Radiat Oncol Biol Phys 1990; **19:** 651
Barnes MJ See **Levine MS**
Barnes P See **Mattle HP**
Barnes PD See **Bartynski WS**
Barnes PD See **Meyer JS**
Barnes PD See **Schick RM**
Barnes PF; Verdegem TD; Vachon LA; et al: chest roentgenogram in pulmonary tuberculosis: new data on an old test, (ab), Radiology 1989; **170:** 288
Barnes RW See **Strandness DE Jr**
Barnes RW; Nix ML: clinical and noninvasive assessment of venous disease as related to pulmonary embolism, J Thorac Imag 1989; **4-4:** 8
Barnes WE See **Bushnell DL**
Barnes WF See **Lowe B**
Barnes WH See **Ekstrand KE**
Barnett D See **Koutcher JA**
Barnett FJ See **Montecalvo RM**
Barnett FJ; Lecky DM; Freiman DB; Montecalvo RM: cerebrovascular disease: outpatient evaluation with selective carotid DSA performed via a transbrachial approach, Radiology 1989; **170:** 535
Barnett M: evolution of federal x-ray protection programs, Radiographics 1989; **9:** 1277
Barnett SB: parameters for bioeffects experiments: overview, Ultrasound Med Biol 1989; **15:** S75
Barnett TA See **Kapp DS**
Barnhart DC See **Blatt SD**
Barnhart GR See **Henry DA**
Barnhart J See **Bleeker H**
Barnhart J; Levene H; Villapando E; et al: characteristics of Albunex: air-filled albumin microspheres for echocardiography contrast enhancement, Invest Radiol 1990; **25:** S162
Barnhart S See **Rosenstock L**
Barnhart S; Thornquist M; Omenn GS; et al: degree of roentgenographic parenchymal opacities attributable to smoking among asbestos-exposed subjects, (ab), Radiology 1990; **177:** 890
Barnhart W; Snidow JJ; Smith TP; Castaneda F; Nakagawa N; Cragg AH: new guide wire for high-flow infusion, Radiology 1990; **174:** 1058
Barnhart WH See **Thompson BH**
Barnowsky L; Dalal R: lacunarlike skull in neurofibromatosis, AJNR 1990; **11:** 1253
Barnwell SL See **Dowd CF**
Barnwell SL See **Halbach VV**
Barnwell SL See **Higashida RT**
Barnwell SL; Halbach VV; Dowd CF; et al: dural arteriovenous fistulas involving the inferior petrosal sinus: angiographic findings in six patients, AJNR 1990; **11:** 511
Barnwell SL; Halbach VV; Dowd CF; et al: multiple dural arteriovenous fistulas of the cranium and spine, AJNR 1991; **12:** 441
Barnwell SL; Halbach VV; Dowd CF; Higashida RT; Hieshima GB: endovascular treatment of scalp arteriovenous fistulas associated with a large varix, Radiology 1989; **173:** 533
Baro G See **Cicuttini F**
Baró PR; Bastart FM; Bartrina JR; et al: case report 529, Skeletal Radiol 1989; **18:** 136
Baró PR; Juliá CL: lithiasis inside a blind-ending branch of a trifid ureter, Urol Radiol 1989; **11:** 42
Barolat G See **Traflet RF**
Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG: osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Radiology 1990; **177:** 77
Baron B See **Goldberg AL**
Baron B; Goldberg AL; Rothfus WE; et al: CT features of sarcoid infiltration of a lumbosacral nerve root, JCAT 1989; **13:** 364
Baron E See **Hardoff R**
Baron MG See **Ferris EJ**
Baron MG See **Soulen RL**
Baron MG See **Youker JE**
Baron NW; Davis LP; Flaherty LE; et al: scintigraphic findings in patients with shoulder pain caused by interleukin-2, AJR 1990; **154:** 327
Baron RL See **Coldwell DM**
Baron RL See **Goodsitt MM**
Baron RL See **Liddell RM**
Baron RL See **Moss AA**
Baron RL See **Rohrmann CA Jr**
Baron RL See **Schulte SJ**
Baron RL See **Shuman WP**
Baron RL See **Teefey SA**
Baron RL: gallstone characterization: the role of imaging, Semin Roentgenol 1991; **26:** 216
Baron RL: role of CT in characterizing gallstones: an unsettled issue, Radiology 1991; **178:** 635
Baron RL; Kuyper SJ; Lee SP; Rohrmann CA Jr; Shuman WP; Nelson JA: in vitro dissolution of gallstones with MTBE: correlation with characteristics at CT and MR imaging, Radiology 1989; **173:** 117
Baron RL; Shuman WP; Lee SP; et al: MR appearance of gallstones in vitro at 1.5 T: correlation with chemical composition, AJR 1989; **153:** 497
Barr AL See **Surveyor I**
Barr JD; Tegtmeyer CJ; Jenkins AD: in situ lithotripsy of ureteral calculi: review of 261 cases, Radiology 1990; **174:** 103
Barr LL: échographie pelvienne en gynécologie (pelvic ultrasound in gynecology), Radiology 1990; **175:** 52
Barr LL; Babcock DS; Crone KR; Berger TS; Ball WS; Prenger EC: color Doppler US imaging during pediatric neurosurgical and neuroradiologic procedures, Radiology 1991; **181:** 567
Barr LL; Hayden CK Jr; Hill LC; et al: radiographic evaluation of velopharyngeal incompetence in childhood, AJR 1989; **153:** 811
Barr LL; Hayden CK Jr; Stansberry SD; et al: enteric duplication cysts in children: are their ultrasonographic wall characteristics diagnostic?, Pediatr Radiol 1990; **20:** 326
Barr LL; Stansberry SD; Swischuk LE: significance of age, duration, obstruction and the dissection sign in intussusception, Pediatr Radiol 1990; **20:** 454
Barr M See **Blane CE**
Barrack R See **Norwood LA**
Barreda R See **Torres GM**
Barrett A See **Wheldon TE**
Barrett FF See **Wallace RC**
Barrett HH See **Milster TD**
Barrett JH; Davy TJ; Dixon-Brown A; et al: dosimetric intercomparison in the British Institute of Radiology fractionation study of 3F/week versus 5F/week in radiotherapy of laryngo-pharynx cancer, Br J Radiol 1990; **63:** 125
Barrett PA See **Woodring JH**
Barrett WA See **Raya SP**
Barriger TK See **Wang A-M**
Barrington NA See **Monaghan D**
Barrington NA See **Williams JW**
Barrios L; Caballín MR; Miró R; et al: cytogenetic effects of radiotherapy: frequency and types of chromosome aberrations, Int J Radiat Oncol Biol Phys 1990; **19:** 371
Barron BJ See **Delpassand ES**
Barron BJ See **Howard JL**
Barron JT See **Fine M**
Barron PT See **Millward SF**
Barroso A See **Santos E**
Barry JL See **Faulkner K**
Barry KJ See **Becker GJ**
Barshop BA See **Press GA**
Barsky MF; Coates RK; Macdonald DR: computed tomographic features of primary brain lymphoma, J Canad Assoc Radiol 1989; **40:** 80
Barsotti JB See **Kido DK**
Bart G See **Gassner I**
Bartal E See **Pay NT**
Bartels LJ See **Schwaber MK**

Bartels PH See **Jordan SW**
Barter S See **Stevens JM**
Barter SJ See **Hicks IP**
Barth CW See **Serota H**
Barth KH See **Baum PA**
Barth KH See **Cazenave FL**
Barth KH See **Matsumoto AH**
Barth KH See **Strecker E-P**
Barth KH See **Teitelbaum GP**
Barth KH: percutaneous biliary drainage for high obstruction, Radiol Clin North Am 1990; **28:** 1223
Barth KH; Kremers PW; Lindisch D; et al: quantitative digital subtraction arteriography with a calibration catheter, Cardiovasc Intervent Radiol 1989; **12:** 281
Barth KH; Matsumoto AH: patient care in interventional radiology: a perspective, Radiology 1991; **178:** 11
Barth KH; Virmani R; Strecker EP; Savin MA; Lindisch D; Matsumoto AH; Teitelbaum GP: flexible tantalum stents implanted in aortas and iliac arteries: effects in normal canines, Radiology 1990; **175:** 91
Barth MO See **Brunelle F**
Barth MO See **Gudinchet F**
Barth MO; Gagnadoux MF; Mareschal JL; et al: angioplasty of renal transplant artery stenosis in children, Pediatr Radiol 1989; **19:** 383
Barth NH See **Kooy HM**
Barth NH: inverse problem in radiation therapy, Int J Radiat Oncol Biol Phys 1990; **18:** 425
Barth P See **van Waes PFGM**
Barth RA See **Montgomery SP**
Barth RA; Filly RA; Goldberg JD; Moore P; Silverman NH: conjoined twins: prenatal diagnosis and assessment of associated malformations, Radiology 1990; **177:** 201
Barth RA; Filly RA; Sondheimer FK: prenatal sonographic findings in bladder exstrophy, J Ultrasound Med 1990; **9:** 359
Barthel MJ See **Fuchs S**
Bartholome J See **Christophe C**
Bartkowski R See **Haase A**
Bartlett C See **Sze G**
Bartlett FF See **Bindman DJ**
Bartlett P; Woods D; Dobranowski J: inflammatory abdominal aortic aneurysm: a cause of urinary obstruction and acute renal failure, J Canad Assoc Radiol 1989; **40:** 164
Bartlett ST; McCarthy WJ III; Palmer AS; et al: multiple aneurysms in Behçet's disease, (ab), Radiology 1989; **171:** 293
Bartoli J-M; Triglia J-M; Farnarier P; et al: embolization of a intraparotid false aneurysm of the external carotid artery: case report, Cardiovasc Intervent Radiol 1991; **14:** 173
Bartolini A; Gasparetto B; Ruffinengo U; et al: intravenous ^{99m}Tc HM-PAO radionuclide angiography as an adjunct to SPECT assessment of cerebral disease, Comput Med Imag Graph 1990; **14:** 91
Bartolucci R See **Ciatto S**
Barton JW III; Keller MS: liver transplantation for hepatoblastoma in a child with congenital absence of the portal vein, Pediatr Radiol 1989; **20:** 113
Barton P See **Jantsch H**
Barton P See **Kainberger FM**
Barton PP See **Hübsch PJS**
Barton RE See **Keller FS**
Barton RE See **Rollins NK**
Barton RE See **Routh WD**
Bartone FF; Hurwitz RS; Rojas EL; et al: role of percutaneous nephrostomy in the management of obstructing candidiasis of the urinary tract in infants, (ab), Radiology 1989; **170:** 295
Bartram CI See **Law PJ**
Bartram CI See **Lee SH**
Bartram CI See **Lipson A**
Bartram CI See **Nightingale JMD**
Bartram CI: should radiologists perform gastrointestinal endoscopy?, Clin Radiol 1989; **40:** 225
Bartram CI: technical note: a simple method for using carbon dioxide during double contrast barium enema, Clin Radiol 1989; **40:** 318
Bartrina JR See **Baró PR**
Bartsch HH See **Creutzfeldt W**
Bártsch P See **Vock P**
Bartter T; Irwin RS; Nash G: aneurysms of the pulmonary arteries, (ab), Radiology 1989; **172:** 291
Bartynski WS; Barnes PD; Wallman JK: cranial CT of autosomal recessive osteopetrosis, AJNR 1989; **10:** 543
Barylak A See **Kozlowski K**
Barzilai B; Eisen HE: intravascular thrombosis: definitive detection by quantitative tissue characterization in vitro, JCU 1989; **17:** 579
Barzilai B; Vered Z; Mohr GA; et al: myocardial ultrasonic backscatter for characterization of ischemia and reperfusion: relationship to wall motion, Ultrasound Med Biol 1990; **16:** 391
Barzilai M; Lyons EA; Levi CS; et al: vitelline duct cyst or double yolk sac, J Ultrasound Med 1989; **8:** 523
Bar-Ziv J See **Hertzanu Y**
Bar-Ziv J See **Verstandig A**
Bar-Ziv J; Katz R; Nobel M; et al: duodenal duplication cyst with enteroliths: computed tomography and ultrasound diagnosis, Gastrointest Radiol 1989; **14:** 220
Bar-Ziv J; Solomon A: computed tomography in adult intussusception, Gastrointest Radiol 1991; **16:** 264
Bar-Ziv J; Solomon A: direct coronal CT scanning of tracheo-bronchial, pulmonary and thoraco-abdominal lesions in children, Pediatr Radiol 1990; **20:** 245
Bar-Ziv J; Solomon A: use of a modified direct coronal computed tomographic technique for assessing thoraco-abdominal problems, Gastrointest Radiol 1989; **14:** 205
Basas RD See **Ling CC**
Basche S See **Kachel R**
Basco VE See **Hassell PR**
Bascom PAJ See **Adamson SL**
Bascom PAJ; Cobbold RSC: effects of transducer beam geometry and flow velocity profile on the Doppler power spectrum: a theoretical study, Ultrasound Med Biol 1990; **16:** 279
Bascoulergue Y See **Froment J-C**
Bashist B See **Shaer AH**
Bashist B; Friedman WN; Killackey MA: surgical transposition of the ovary: radiologic appearance, Radiology 1989; **173:** 857
Bashore TM See **Skelton TN**
Basibüyük LN See **Maeder PP**
Basile RM; Waters BD; Curletti EL: image-directed Doppler ultrasonography in the management of failing infrainguinal bypass grafts, JCU 1990; **18:** 132
Basilico FC See **Van Dam J**
Baskin MI; Abd AG; Ilowite JS: regional deposition of aerolized pentamidine: effects of body position and breathing pattern, (ab), Radiology 1991; **179:** 885
Bass A See **Krupski WC**
Bass A; Kelly AB; Otis SM; et al: duplex ultrasound analysis of operated carotid arteries in baboons, J Ultrasound Med 1990; **9:** 267
Bass BM See **Angtuaco TL**
Bass DA See **Bowton DL**
Bass J; Di Lorenzo M; Desjardins JG; et al: blunt pancreatic injuries in children: the role of percutaneous external drainage in the treatment of pancreatic pseudocysts, (ab), Radiology 1989; **171:** 296
Bass J; Sostman HD; Boyko O; et al: effects of cell membrane disruption on the relaxation rates of blood and clot with various methemoglobin concentrations, Invest Radiol 1990; **25:** 1232
Bass JC; Chiles C: correlation with detection of solitary pulmonary nodules, Invest Radiol 1990; **25:** 994
Bass JL See **Kan JS**
Bass S See **Murray IPC**
Bassano DA See **Manglos SH**
Basset O; Gimenez G; Mestas JL; et al: volume measurement by ultrasonic transverse or sagittal cross-sectional scanning, Ultrasound Med Biol 1991; **17:** 291
Bassett GS See **Lee MS**
Bassett LW See **Crim JR**
Bassett LW See **Fox SA**
Bassett LW See **Gold RH**
Bassett LW See **Grover JS**
Bassett LW See **Jackson VP**
Bassett LW See **Kimme-Smith C**
Bassett LW See **McGlade CT**
Bassett LW See **Osburn AW**
Bassett LW See **Seeger LL**
Bassett LW; Cassady CI; Gold RH: present status of residency training in mammography, AJR 1991; **156:** 59
Bassett LW; Fox SA; Pennington E; Gold RH: mammographic screening in Southern California: 2½-year longitudinal survey of fees, Radiology 1989; **173:** 61
Bassett LW; Grover JS; Seeger LL: magnetic resonance imaging of knee trauma, Skeletal Radiol 1990; **19:** 401
Bassett LW; Kimme-Smith C: breast sonography, AJR 1991; **156:** 449
Bassett LW; Kimme-Smith C: breast sonography: technique, equipment, and normal anatomy, Semin US CT MR 1989; **10:** 82
Bassett LW; Liu T-H; Giuliano AE; et al: prevalence of carcinoma in palpable vs impalpable, mammographically detected lesions, AJR 1991; **157:** 21
Bassett LW; Ysrael M; Gold RH; Ysrael C: usefulness of mammography and sonography in women less than 35 years of age, Radiology 1991; **180:** 831
Bassi P; Piazza P; Cusmano F; et al: MR cisternography of the cerebello-pontine angle and internal auditory canal in diagnosis of intracanalicular acoustic neuroma, Neuroradiol 1990; **31:** 486
Bassingthwaighte JB: microcirculatory considerations in NMR flow imaging, Magn Res Med 1990; **14:** 172
Bassiony H See **Fataar S**
Bassiouny HS; Levine LA: penile duplex sonography in the diagnosis of venogenic impotence, (ab), Radiology 1991; **180:** 589
Basso LV See **Goris ML**
Bast RC See **Einhorn N**
Bastart FM See **Baró PR**
Bastholt L See **Mouridsen HT**
Bastholt L; Dalmark M; Jakobsen A; et al: oral idarubicin in the treatment of advanced breast cancer, Acta Oncol 1989; **28:** 893
Bastholt L; Dalmark M; Jakobsen A; et al: weekly oral idarubicin in postmenopausal women with advanced breast cancer: a phase II study, Acta Oncol 1990; **29:** 143
Bastholt L; Mouridsen HT: how to improve cytotoxic therapy in advanced breast cancer, Acta Oncol 1990; **29:** 349
Bastian W See **Prasad V**
Bastianello S See **Bozzao L**
Bastianello S; Pierallini A; Colonnese C; et al: hyperdense middle cerebral artery CT sign: comparison with angiography in the acute phase of ischemic supratentorial infarction, Neuroradiol 1991; **33:** 207
Bastid C; Sahel J; Sastre B; et al: mucinous cystadenocarcinoma of the pancreas: ultrasonographic findings in 5 cases, Acta Radiol 1989; **30:** 45
Bastidas JA See **Yeo CJ**
Basun H See **Wahlund L-O**
Bataini JP; Delanian S; Ponvert D: chiasmal gliomas: results of irradiation management in 57 patients and review of literature, Int J Radiat Oncol Biol Phys 1991; **21:** 615
Bateman JL See **Cabahug CJ**
Bateman JL See **Jaikishen P**
Bates BF See **Novak DL**
Bates D; Ruggieri P: imaging modalities for evaluation of the spine, Radiol Clin North Am 1991; **29:** 675
Bates DA; Mackillop WJ: effect of hyperthermia on the uptake and cytotoxicity of melphalan in Chinese hamster ovary cells, Int J Radiat Oncol Biol Phys 1989; **16:** 187
Bates ER See **Holland KJ**
Bates FT See **Gurney JW**
Bates FT; Gurney JW; Goodman LR; et al: pneumatosis intestinalis in bone-marrow transplantation patients: diagnosis on routine chest radiographs, AJR 1989; **152:** 991
Bates SE See **Cullen KJ**
Bates SM; Keller MS; Ramos IM; Carter D; Taylor KJW: hepatoblastoma: detection of tumor vascularity with duplex Doppler US, Radiology 1990; **176:** 505
Bates TD See **Wiernik G**
Bates TE; Williams SR; Gadian DG: phosphodiesters in the liver: the effect of field strength on the ^{31}P signal, Magn Res Med 1989; **12:** 145
Bateson EM: urolithiasis in the Aboriginal—a comment, Australas Radiol 1989; **33:** 64
Bathon H See **Slawson RG**
Batjer HH See **Megison P**
Batjer HH See **Purdy PD**
Batnitzky S See **Caresio JF**
Batnitzky S See **Dwyer SJ III**
Batnitzky S See **Harrison LA**
Batnitzky S See **Murphey MD**
Batnitzky S See **Rosenthal SJ**
Batnitzky S; Rosenthal SJ; Siegel EL; Wetzel LH; Murphey MD; Cox GG; McMillan JH; Templeton AW; Dwyer SJ III: teleradiology: an assesment, Radiology 1990; **177:** 11
Batra P; Brown K; Collins JD; et al: evaluation of intrathoracic extent of lung cancer by plain chest radiography, computed tomography, and magnetic resonance imaging, (ab), Radiology 1989; **170:** 288
Batte WG Jr; Yeh SDJ; Larson SM: diffuse lung uptake of Tc-99m MDP associated with pneumocystis carinii pneumonia in a patient with neuroblastoma, Clin Nucl Med 1991; **16:** 321
Batte WG Jr; Yeh SDJ; Rosenblum MK; et al: intense muscle uptake of Ga-67 citrate and Tc-99m MDP in a patient with aplastic anemia, Clin Nucl Med 1991; **16:** 421
Batteiger BE See **Wheat LJ**
Battenfeld R; Khater AER; Drommer W; et al: ioxaglate-induced light and electron microscopic alterations in the renal proximal tubular epithelium of rats, Invest Radiol 1991; **26:** 35
Battifora H See **Gerald WL**
Battino RA; Khangure MS: is that another Thornwaldt's cyst on M.R.I.?, Australas Radiol 1990; **34:** 19
Batty V See **Herbetko J**
Baud C See **Veyrac C**
Baud CA See **Lagier R**
Baudon JJ See **Sirinelli D**

Baudouin CJ See **Davies SG**
Baudouin CJ See **Menon DK**
Baudouin CJ; Belli A-M; Peck RJ; et al: complications of high brachial artery puncture, Clin Radiol 1990; **42:** 277
Baudouin SV See **Morcos SK**
Baudoux A See **Focan C**
Bauduin E; Flandroy P; Jodaitis A; et al: foraminal herniation of a thoracic calcified nucleus pulposus, Neuroradiol 1989; **31:** 287
Bauer AR Jr; Flynn RR: computed tomography diagnosis of venous thrombosis of the lower extremities and pelvis with contrast material, (ab), Radiology 1989; **170:** 902
Bauer CJ See **Heier LA**
Bauer H See **Reuther G**
Bauer M See **Simpson JR**
Bauer M See **Weaver FA**
Bauer SB See **Zerin JM**
Baulny D See **Grenier N**
Baum A See **Naimark A**
Baum JK See **Bosanko CM**
Baum M; Ebbs SR; Fallowfield LJ; et al: measurement of quality of life in advanced breast cancer, Acta Oncol 1990; **29:** 391
Baum M; Ebbs SR; Houghton J; et al: cancer research campaign trials of adjuvant therapy for early breast cancer, Acta Oncol 1989; **28:** 907
Baum PA See **Matsumoto AH**
Baum PA See **Silverman PM**
Baum PA; Matsumoto AH; Teitelbaum GP; Zuurbier RA; Barth KH: anatomic relationship between the common femoral artery and vein: CT evaluation and clinical significance, Radiology 1989; **173:** 775
Baum PA; Nelson MC; Lack EE; et al: case report 560, Skeletal Radiol 1989; **18:** 406
Baum SL See **Gavant ML**
Bauman J; Campbell WL; Demetris AJ; et al: intrahepatic cholangiographic abnormalities in liver transplants: correlation with biopsy evidence of rejection and other disorders, AJR 1989; **152:** 275
Baumann LA See **Reddy S**
Baumann M See **Carl UM**
Baumann M; Suit HD; Sedlacek RS: metastases after fractionated radiation therapy of three murine tumor models, Int J Radiat Oncol Biol Phys 1990; **19:** 367
Baumann MH; Strange C; Sahn SA: do chest radiographic findings reflect the clinical course of patients with sarcoidosis during corticosteroid withdrawal?, AJR 1990; **154:** 481
Baumann RJ See **Fockele DS**
Baumgartner BR See **Perchik JE**
Baumgartner BR See **Torres WE**
Baumgartner BR See **Tyrrel RT**
Baumgartner BR; Alagappian R: malakoplakia of the ureter and bladder, Urol Radiol 1990; **12:** 157
Baumgartner BR; Bernardino ME: MR imaging of the cervix: off-axis scan to improve visualization of zonal anatomy, AJR 1989; **153:** 1001
Baumgartner BR; Chezmar JL: magnetic resonance imaging of the kidneys and adrenal glands, Semin US CT MR 1989; **10:** 43
Baumgartner BR; Nelson RC; Torres WE; et al: renal corticomedullary junction: performance of T1-weighted MR pulse sequences, Invest Radiol 1989; **24:** 884
Baumgartner F; Sheppard B; de Virgilio C; et al: tracheal and main bronchial disruptions after blunt chest trauma: presentation and management, (ab), Radiology 1991; **179:** 885
Baumgartner WA See **Bottomley PA**
Baus KM See **Pozniak MA**
Bauserman SC See **Naul LG**
Bautz W See **Kalender WA**
Bax NMA See **Beek FJA**
Baxter BT; Rizzo RJ; Flinn WR; et al: comparative study of intraoperative angioscopy and completion arteriography following femorodistal bypass, (ab), JVIR 1991; **2:** 289
Baxter GM; Duffy P; MacKechnie S: colour Doppler ultrasound of the post-phlebitic limb: sounding a cautionary note, Clin Radiol 1991; **43:** 301
Baxter GM; McKechnie S; Duffy P: colour Doppler ultrasound in deep venous thrombosis: a comparison with venography, (ab), Clin Radiol 1990; **42:** 32
Baxter GM; Morley P; Dall B: acute renal vein thrombosis in renal allografts: new Doppler ultrasonic findings, Clin Radiol 1991; **43:** 125
Baxter MA See **MacSweeney JE**
Baydin JA See **Kaplan IL**
Bayhan H See **Aktolun C**
Bayjoo P See **Hodgson T**
Bayless TM See **Knowles MC**
Bayliss AP See **Gilbert FJ**
Bayliss AP See **Smith FW**
Bazan C III See **Desai SP**
Bazan C III; New PZ: intramedullary spinal histoplasmosis efficacy of gadolinium enhancement, Neuroradiol 1991; **33:** 190
Bazan C III; New PZ; Kagan-Hallet KS: MRI of radiation induced spinal cord glioma, Neuroradiol 1990; **32:** 331
Bazot M See **Buy J-N**
Bazot M See **Ghossain MA**
Bazzocchi M See **Dalla Palma L**
Bazzocchi M See **Musante F**
Beach JL; Schroy CB; Ashtari M; et al: boron neutron capture enhancement of ^{252}Cf brachytherapy, Int J Radiat Oncol Biol Phys 1990; **18:** 1421
Beach KW See **Phillips DJ**
Beach KW; Isaac CA; Phillips DJ; et al: ultrasonic measurement of superficial femoral artery wall thickness, Ultrasound Med Biol 1989; **15:** 723
Beach TG See **Mildenberger M**
Beaconsfield M See **Dervin JE**
Beal S See **Raduns K**
Beam C See **Sostman HD**
Beam CA See **Sullivan DC**
Beam CA See **White KS**
Beam CA; Sostman HD; Zheng J-Y: status of clinical MR evaluations 1985–1988: baseline and design for further assessments, Radiology 1991; **180:** 265
Beam LM See **Hopper KD**
Beam TE See **Dachman AH**
Beaney RP See **Gordon DJ**
Beard JT See **Kronenberg MW**
Beasley SW See **John PR**
Beatrous TE; Choyke PL; Frank JA: diagnostic evaluation of cancer patients with pelvic pain: comparison of scintigraphy, CT, and MR imaging, AJR 1990; **155:** 85
Beatt KJ See **Serruys PW**
Beatty EC Jr See **Egelhoff JC**
Beatty PT See **Floyd CE**
Beauduin M See **Focan C**
Beaulé V; Larêdo J-D; Cywiner C; Bard M; Tubiana J-M: synovial membrane: percutaneous biopsy, Radiology 1990; **177:** 581
Beaulieu CF; Brown RD III; Clark JI; et al: relaxometry of lens homogenates. II. temperature dependence and comparison with other proteins, Magn Res Med 1989; **10:** 362
Beauman GJ; Vogel RA: accuracy of individual and panel visual interpretations of coronary arteriograms: implications for clinical decisions, (ab), JVIR 1990; **1:** 138
Beaumont GD; Sage MR: encephalocoele involving the petrous bone, Neuroradiol 1990; **32:** 533
Beauvais J See **Gupta NC**
Bechtold RE See **Moeser P**
Bechtold RE; Karstaedt N; Wolfman NT: MR appearance of sternal hyperostosis, JCAT 1990; **14:** 136
Becich MJ See **Andriole GL**
Beck B See **Fitzsimmons JR**
Beck DE See **Neal RC**
Beck DW; Dyste GN: intracranial osteochondroma: MR and CT appearance, AJNR 1989; **10:** S7
Beck M See **Friedman L**
Beck M: residents' corner: answer to case of the month #4: rounded atelectasis, J Canad Assoc Radiol 1990; **41:** 311
Beck ME; Lepp EK; Wilkinson AA: "diuretic" Tc-99m HMPAO leukocyte scan: eliminating the pitfall of urinary stasis, Clin Nucl Med 1991; **16:** 378
Beck OJ See **Njemanze PC**
Beck P See **Charny MC**
Beck R See **Heywang SH**
Beck RN See **Levin DN**
Beck S See **Colletti PM**
Beck TJ; Ruff CB; Warden KE; et al: predicting femoral neck strength from bone mineral data: a structural approach, Invest Radiol 1990; **25:** 6
Beck-Bornholdt H-P See **Carl UM**
Beck-Bornholdt H-P See **Würschmidt F**
Beck-Bornholdt H-P: should tumors be clamped in radiobiological fractionation experiments?, Int J Radiat Oncol Biol Phys 1991; **21:** 675
Beck-Bornholdt H-P; Maurer T; Becker S; et al: radiotherapy of the rhabdomyosarcoma R1H of the rat: hyperfractionation—126 fractions applied within 6 weeks, Int J Radiat Oncol Biol Phys 1989; **16:** 701
Beck-Bornholdt H-P; Omniczynski M; Theis E; et al: influence of treatment time on the response of rat rhabdomyosarcoma R1H to fractionated irradiation, Acta Oncol 1991; **30:** 57
Becker CD See **Burhenne HJ**
Becker CD See **Malone DE**
Becker CD See **Scott IR**
Becker CD; Burhenne HJ: ablation of the cystic duct and the gallbladder: experimental basis and initial clinical observations, Radiol Clin North Am 1990; **28:** 1277
Becker CD; Burhenne HJ: percutaneous ablation of the cystic duct and the gallbladder: experimental and early clinical results, Semin Roentgenol 1991; **26:** 259
Becker CD; Fache JS; Malone DE; Stoller JL; Burhenne HJ: ablation of the cystic duct and gallbladder: clinical observations, Radiology 1990; **176:** 687
Becker CD; Gilks CB; Burhenne HJ: biological effects of biliary shock wave lithotripsy in swine, Invest Radiol 1989; **24:** 366
Becker CD; Jameson M; Fache JS; Burhenne HJ: catheter for endoluminal bipolar electrocoagulation, Radiology 1989; **170:** 561
Becker CD; Quenville NF; Burhenne HJ: gallbladder ablation through radiologic intervention: an experimental alternative to cholecystectomy, Radiology 1989; **171:** 235
Becker CJ; Towbin RB: Doppler flow monitoring of the dorsal artery of the foot facilitates puncture of the femoral artery in children, AJR 1990; **155:** 131
Becker DM See **Philbrick JT**
Becker DP See **Dresel SHJ**
Becker DP See **Han MH**
Becker DV See **Kusić Z**
Becker EJ See **Lambert RGW**
Becker GJ See **Elson JD**
Becker GJ See **Ferris EJ**
Becker GJ See **Harman JT**
Becker GJ See **Koch KJ**
Becker GJ See **Kopecky KK**
Becker GJ See **Palmaz JC**
Becker GJ See **Rees CR**
Becker GJ See **Rutherford RB**
Becker GJ See **Zemel G**
Becker GJ: editor's page, JVIR 1990; **1:** 16
Becker GJ: editor's page, JVIR 1991; **2:** 57
Becker GJ: editor's page, JVIR 1991; **2:** 181
Becker GJ: editor's page, Radiology 1989; **170:** 968
Becker GJ: editor's page, Radiology 1989; **172:** 936
Becker GJ: editor's page, Radiology 1990; **174:** 950
Becker GJ: unwitting authorship: the role of scientific journals in detection and sanctioning, JVIR 1991; **2:** 307
Becker GJ; Benenati JF; Zemel G; Sallee DS; Suarez CA; Roeren TK; Katzen BT: percutaneous placement of a balloon-expandable intraluminal graft for life-threatening subclavian arterial hemorrhage, JVIR 1991; **2:** 225
Becker GJ; Katzen BT; Dake MD: noncoronary angioplasty, Radiology 1989; **170:** 921
Becker GJ; Lee BI; Waller BF; Barry KJ; Kaplan J; Connolly R; Dreesen RG; Nardella P: potential of radio-frequency balloon angioplasty: weld strengths, dose-response relationship, and correlative histology, Radiology 1990; **174:** 1003
Becker GJ; Palmaz JC; Rees CR; Ehrman KO; Lalka SG; Dalsing MC; Cikrit DF; McLean GK; Burke DR; Richter GM; Noeldge G; Garcia O; Waller BF; Castaneda-Zuniga WR: angioplasty-induced dissections in human iliac arteries: management with Palmaz balloon-expandable intraluminal stents, Radiology 1990; **176:** 31
Becker GM; Winkler J; Hoffmann E; et al: imaging of cerebral arterio-venous malformations by transcranial colour-coded real-time sonography, Neuroradiol 1990; **32:** 280
Becker H See **Kleineberg B**
Becker H See **Terwey B**
Becker HD See **Fritz P**
Becker JA See **Kirshy DM**
Becker JA See **Loftus CM**
Becker JA See **Samin A**
Becker JA: evaluation of renal function, Radiology 1991; **179:** 337
Becker JA: role of radiology in evaluation of the failing renal transplantation, Radiol Clin North Am 1991; **29:** 511
Becker JA; Butt K; Lipkowitz G: segmental infarction of the renal allograft: ultrasound/MRI observations, Urol Radiol 1989; **11:** 109
Becker JM See **Brown JJ**
Becker L See **Reeder JD**
Becker LE See **Chen JC**
Becker PS See **Balakrishnan J**
Becker R See **Feldman E**
Becker RD See **Weingarten K**
Becker S See **Beck-Bornholdt H-P**
Becker T; Wagner M; Hofmann E; et al: do arachnoid cysts grow? a retrospective CT volumetric study, Neuroradiol 1991; **33:** 341
Becker W; Schaefer RM; Börner W: *in vivo* viability of ^{111}In-labelled granulocytes demonstrated in a sham-dialysis model, Br J Radiol 1989; **62:** 463
Beckers A See **Stadnik TW**
Beckett MA See **Hallahan DE**
Beckett MA See **Weichselbaum RR**
Beckett WC See **Spies JB**
Beckett WW Jr; Davis PC; Hoffman JC Jr: duplex Doppler sonography of the carotid artery: false-positive results in an artery contralateral to an artery with marked stenosis, AJNR 1990; **11:** 1049

Beckett WW Jr; Davis PC; Hoffman JC Jr: duplex Doppler sonography of the carotid artery: false-positive results in an artery contralateral to an artery with marked stenosis, AJR 1990; **155:** 1091

Beckham WA: neutron and gamma ray measurements carried out around a Varian Clinac 2500 linear accelerator, Br J Radiol 1990; **63:** 298

Becking WB See **Klinge J**

Becking WB; Puylaert JBCM; Feldberg MAM; et al: appendiceal involvement in cecal carcinoma: demonstration by ultrasound, Gastrointest Radiol 1989; **14:** 170

Beckman EN See **Risher WH**

Beckman I See **Dagirmanjian A**

Beckman I See **Lupetin AR**

Beckmann CF See **Straton CS**

Beckmann CF; Roth RA; Bihrle W III: dilation of benign ureteral strictures, Radiology 1989; **172:** 437

Beckmann N See **Müller S**

Beckmann N; Müller S; Seelig J: comparison of the signal-to-noise ratio at 1.5 and 2.0 T using a whole-body system, Magn Res Med 1989; **9:** 391

Beckmann N; Seelig J; Wick H: analysis of glycogen storage disease by *in vivo* ^{13}C NMR: comparison of normal volunteers with a patient, Magn Res Med 1990; **16:** 150

Beckwith JB See **D'Angio GJ**

Beckwith JB See **Joshi VV**

Beckwith JB See **McCauley RGK**

Beckwith JB See **Weeks DA**

Becmeur F See **Christmann D**

Bedani PL See **Orzincolo C**

Bedford G See **van Bemmelen PS**

Bednar MM; McAuliffe T; Raymond S; et al: tissue plasminogen activator reduces brain injury in a rabbit model of thromboembolic stroke, (ab), JVIR 1991; **2:** 422

Bednarek DR See **Rudin S**

Bednarek DR; Rudin S: blurred-mask density compression for improved reproduction of radiographs, Invest Radiol 1991; **26:** 358

Beebe HG; Chesebro K; Merchant F; et al: results of renal artery balloon angioplasty limit its indications, (ab), Radiology 1989; **171:** 885

Beech JS; Iles RA: hepatic intracellular pH *in vivo* F-quene 1 and ^{19}F NMR spectroscopy, Magn Res Med 1991; **19:** 386

Beek FJA; Rövekamp MH; Bax NMA; et al: ultrasound findings in post-operative jejunojejunal intussusception, Pediatr Radiol 1990; **20:** 601

Beekhuis H See **Kengen RA**

Beekman RH See **Rocchini AP**

Beeman RG See **Chinn DH**

Beentjes LB; Timmermans CWM: age and sex specific radiographic examination frequency in the Netherlands, Br J Radiol 1990; **63:** 691

Beer H-F; Bläuenstein PA; Hasler PH; et al: in vitro and in vivo evaluation of iodine-123-Ro 16-0154: a new imaging agent for SPECT investigations of benzodiazepine receptors, J Nucl Med 1990; **31:** 1007

Begeer JH; Rutgers AWF; Vencken LM; et al: vanishing calcification of the brain in an infant after open heart surgery, Neuroradiol 1991; **33:** 374

Begelman J See **Logemann JA**

Begeman MS See **Klingler JW**

Begent RHJ See **Long MG**

Beges C See **Mathieu D**

Begg AC: cisplatin and radiation: interaction probabilities and therapeutic possibilities, Int J Radiat Oncol Biol Phys 1990; **19:** 1183

Begg AC; Hofland I; Moonen L; et al: predictive value of cell kinetic measurements in a European trial of accelerated fractionation in advanced head and neck tumors: an interim report, Int J Radiat Oncol Biol Phys 1990; **19:** 1449

Begg CB: experimental design of medical imaging trials: issues and options, Invest Radiol 1989; **24:** 934

Begg RJ See **Colt HG**

Beggs I; Davidson JK: accident and emergency reporting in UK teaching departments, Clin Radiol 1990; **41:** 264

Bégin R; Ostiguy G; Cantin A; et al: lung function in silica-exposed workers: a relationship to disease severity assessed by CT scan, (ab), Radiology 1989; **171:** 586

Bégin R; Ostiguy G; Groleau S; et al: computed tomographic scanning of the thorax in workers at risk of or with silicosis, Semin US CT MR 1990; **11:** 380

Behan M See **Daly BD**

Behar KL; Ogino T: assignment of resonances in the ^1H spectrum of rat brain by two-dimensional shift correlated and *J*-resolved NMR spectroscopy, Magn Res Med 1991; **17:** 285

Behnke EJ See **Zhang J**

Behr J See **Kalender WA**

Behrenbeck T See **Pellikka PA**

Beier-Hanratty S See **Ardill RH**

Beier-Hanratty SA: arthritis in black and white, Radiology 1989; **170:** 132

Beierwaltes WH: endocrine imaging in the management of goiter and thyroid nodules: part I, J Nucl Med 1991; **32:** 1455

Beierwaltes WH: endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. part II, J Nucl Med 1991; **32:** 1627

Beljerinck D; Borsje K; Peeters P; Rombach JJ: medical audit of a rapid-throughput mammography screening practice, Radiology 1991; **178:** 285

Beikirch A See **Siemann DW**

Beinborn W See **Vallbracht C**

Beinfield M See **Haffty BG**

Beisebaev AA See **Balmukhanov SB**

Beitler JJ; McCormick B; Ellsworth RM; Abramson DH; Anderson LL; Loffredo C: ocular melanoma: total dose and dose rate effects with Co-60 plaque therapy, Radiology 1990; **176:** 275

Bekerman C See **Kasabali B**

Bekerman C See **Malpani A**

Bekerman C See **Moult RG**

Bekerman C See **Oskin JE**

Bekerman C See **Swift JE**

Bekerman C See **Vijayakumar V**

Bekerman C; Caride VJ; Hoffer PB; et al: noninvasive staging of lung cancer: indications and limitations of gallium-67 citrate imaging, Radiol Clin North Am 1990; **28:** 497

Belanger JG; Blair IG; Elder AM; et al: adult myelography with iohexol, J Canad Assoc Radiol 1990; **41:** 191

Belanger M-J See **Hardy PA**

Belanger PL See **Kleinman PK**

Belani CP See **Whitley NO**

Beldecos D See **Tsavaris NB**

Belfar H; Heller K; Edelstone DI; et al: ovarian pregnancy resulting in a surviving neonate: ultrasound findings, J Ultrasound Med 1991; **10:** 465

Belfar HL See **Hill LM**

Belfar HL; Foley TP Jr; Hill LM; et al: sonographic findings in maternal hyperthyroidism: fetal hyperthyroidism/fetal goiter, J Ultrasound Med 1991; **10:** 281

Belfar HL; Hill LM; Peterson CS; et al: sonographic imaging of the fetal azygous vein: normal and pathologic appearance, J Ultrasound Med 1990; **9:** 569

Belfar HL; Kuller JA; Hill LM; et al: evolving fetal hydranencephaly mimicking intracranial neoplasm, J Ultrasound Med 1991; **10:** 231

Belfi CA; Medendorp SV; Ngo FQH: response of the KHT sarcoma to radiotherapy as measured by water proton NMR relaxation times: relationships with tumor volume and water content, Int J Radiat Oncol Biol Phys 1991; **20:** 497

Belgam RA See **Scherzinger AL**

Belghiti J See **Iannuzzi C**

Belhobek GA See **Wegryn SA**

Belitsos PC See **Greenson JK**

Belkin BA See **Bankoff MS**

Belkin M See **Wright JG**

Belkin M; Donaldson MC; Whittemore AD; et al: observations on the use of thrombolytic agents for thrombotic occlusion of infrainguinal vein grafts, (ab), Radiology 1990; **176:** 589

Belkin RI See **Nugent RA**

Bell CL; Partington C; Robbins M; et al: magnetic resonance imaging of central nervous system lesions in patients with lupus erythematosus: correlation with clinical remission and antineurofilament and anticardiolipin antibody titers, (ab), Radiology 1991; **181:** 616

Bell DA See **Manaster BJ**

Bell DG; King BF; Hattery RR; et al: imaging characteristics of tuberous sclerosis, AJR 1991; **156:** 1081

Bell DY See **Bergin CJ**

Bell J See **Bloom HJG**

Bell J See **Ratcliffe J**

Bell JD See **Higashida RT**

Bell JD; Sadler PJ; Morris VC; et al: effect of aging and diet on proton NMR spectra of rat urine, Magn Res Med 1991; **17:** 414

Bell JS III See **Vingan HL**

Bell MA See **Moody DM**

Bell MR See **Lerman LO**

Bell MR See **Spyra WJT**

Bell RA See **Hurwitz R**

Bell RS; O'Sullivan B; Liu FF; et al: surgical margin in soft-tissue sarcoma, (ab), Radiology 1989; **173:** 589

Bell SA See **Vick CW**

Bellah R; D'Andrea A; Darillis E; et al: association of congenital neuroblastoma and congenital heart disease: is there a common embryologic basis?, Pediatr Radiol 1989; **19:** 119

Bellah RD See **Schmidt ME**

Bellah RD; Griscom NT: torsion of normal uterine adnexa before Menarche: CT appearance, AJR 1989; **152:** 123

Bellah RD; Hayek J; Teele RL: anomalous portal venous connection to the suprahepatic vena cava: sonographic demonstration, Pediatr Radiol 1989; **20:** 115

Bellah RD; Summerville DA; Treves ST; Michell LJ: low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Radiology 1991; **180:** 509

Bellazzini R See **Angelini F**

Bellemore MC See **Kozlowski K**

Bellen JC See **Bannister KM**

Beller GA See **Sinusas AJ**

Beller GA; Watson DD: physiological basis of myocardial perfusion imaging with the technetium 99m agents, Semin Nucl Med 1991; **21:** 173

Beller U See **Dattoli MJ**

Belleville J See **Corot C**

Bellevue R See **Nair JMG**

Belli A-M See **Baudouin CJ**

Belli AM See **Ingram CE**

Belli AM; Cumberland DC: percutaneous atherectomy—early experience in Sheffield, Clin Radiol 1989; **40:** 122

Belli A-M; Cumberland DC; Knox AM; et al: complication rate of percutaneous peripheral balloon angioplasty, Clin Radiol 1990; **41:** 380

Belli A-M; Cumberland DC; Myler RK; Crew JR; Stertzer SH: peripheral arterial occlusions: initial results from percutaneous angioplasty with a hybrid laser probe, Radiology 1990; **174:** 447

Belli A-M; Cumberland DC; Procter AE; Welsh CL: total peripheral artery occlusions: conventional versus laser thermal recanalization with a hybrid probe in percutaneous angioplasty—results of a randomized trial, Radiology 1991; **181:** 57

Belli A-M; Hemingway AP: malignant 'angiodysplasia', Clin Radiol 1991; **44:** 31

Belli AM; Jennings CM; Nakielny RA: splenic and portal venous thrombosis: a vascular complication of pancreatic disease demonstrated on computed tomography, Clin Radiol 1990; **41:** 13

Belli A-M; Procter AE; Cumberland DC: peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Radiology 1990; **176:** 539

Bellin M-F; Maidenberg M; Raveau V; et al: MR imaging of adult Wilms' tumor: correlation with US, CT, and pathology, Urol Radiol 1990; **12:** 148

Bellina CR; Parodi O; Camici P; et al: simultaneous in vitro and in vivo validation of nitrogen-13-ammonia for the assessment of regional myocardial blood flow, J Nucl Med 1990; **31:** 1335

Belliveau JW See **Rosen BR**

Belliveau JW; Rosen BR; Kantor HL; et al: functional cerebral imaging by susceptibility-contrast NMR, Magn Res Med 1990; **14:** 538

Bellman S See **Ng YY**

Bello JA See **McCormick PC**

Bellomi M See **Cozzi G**

Bellon EM See **Gentili A**

Bellon EM See **Lieberman JM**

Bellon EM See **Murphy WD**

Bellon EM See **Wiesen EJ**

Bellon EM See **Yagan R**

Belloni C See **Sironi S**

Bellotti M See **Ferrazzi E**

Belman AL; Diamond G; Dickson D; et al: pediatric acquired immunodeficiency syndrome: neurologic syndromes, (ab), Radiology 1989; **170:** 294

Belmonte SJ See **Kopans DB**

Beloeil J-C See **Gillet B**

Belsole R See **Quinn SF**

Belt HC See **Stiles RG**

Belton RL; Danahy S; VanZandt TF: general case of the day: annual meeting, 1988, Radiographics 1989; **9:** 766

Beltramello A See **Benati A**

Beltran J See **Chandnani VP**

Beltran J See **Shaffer PB**

Beltran J See **Spaeth HJ**

Beltran J; Campanini SD; Knight CT; et al: diabetic foot: magnetic resonance imaging evaluation, Skeletal Radiol 1990; **19:** 37

Beltran J; Chandnani VP; McGhee RA Jr; et al: gadopentetate dimeglumine-enhanced MR imaging of the musculoskeletal system, AJR 1991; **156:** 457

Beltran J; Knight CT; Zuelzer WA; Morgan JP; Shwendeman LJ; Chandnani VP; Mosure JC; Shaffer PB: core decompression for avascular necrosis of the femoral head: correlation between long-term results and preoperative MR staging, Radiology 1990; **175:** 533

Beltran J; Munchow AM; Khabiri H; Magee DG; McGhee RB; Grossman SB: ligaments of the lateral aspect of the ankle and sinus tarsi: an MR imaging study, Radiology 1990; **177:** 455
Beltran JL See Morris CS
Beluffi G See Pazzaglia UE
Belville JS See Benson CB
Belville JS; Morgentaler A; Loughlin KR; Tumeh SS: spontaneous perinephric and subcapsular renal hemorrhage: evaluation with CT, US, and angiography, Radiology 1989; **172:** 733
Belzberg A See Harrison PB
Belzberg AS See Chu DDM
Benacerraf BR See Bromley B
Benacerraf BR See Estroff JA
Benacerraf BR See Laboda LA
Benacerraf BR See Mandell J
Benacerraf BR; Cnann A; Gelman R; Laboda LA; Frigoletto FD Jr: can sonographers reliably identify anatomic features associated with Down syndrome in fetuses?, Radiology 1989; **173:** 377
Benacerraf BR; Estroff JA: transvaginal sonographic imaging of the low fetal head in the second trimester, J Ultrasound Med 1989; **8:** 325
Benacerraf BR; Greene MF; Holmes LB: prenatal sonographic features of Noonan's syndrome, J Ultrasound Med 1989; **8:** 59
Benacerraf BR; Harlow BL; Frigoletto FD Jr: hypoplasia of the middle phalanx of the fifth digit: a feature of the second trimester fetus with Down's syndrome, J Ultrasound Med 1990; **9:** 389
Benacerraf BR; Peters CA; Mandell J: prenatal evolution of a nonfunctioning kidney in the setting of obstructive hydronephrosis, JCU 1991; **19:** 446
Benacerraf BR; Saltzman DH; Mandell J: sonographic diagnosis of abnormal fetal genitalia, J Ultrasound Med 1989; **8:** 613
Benacerraf BR; Saltzman DH; Sanders SP: sonographic sign suggesting the prenatal diagnosis of coarctation of the aorta, J Ultrasound Med 1989; **8:** 65
Benacerraf BR; Sanders SP: fetal echocardiography, Radiol Clin North Am 1990; **28:** 131
Benacerraf BR; Stryker JM; Frigoletto FD Jr: abnormal US appearance of the cerebellum (banana sign): indirect sign of spina bifida, Radiology 1989; **171:** 151
Ben-Ami T: vesicoureteral reflux in boys: reply, Radiology 1990; **176:** 289
Ben-Ami T; Gayer G; Hertz M; et al: natural history of reflux in the lower pole of duplicated collecting systems: a controlled study, Pediatr Radiol 1989; **19:** 308
Ben-Ami T; Rozin M; Hertz M: imaging of children with urinary tract infection: a tailored approach, Clin Radiol 1989; **40:** 64
Ben-Ami T; Sinai L; Hertz M; Boichis H: vesicoureteral reflux in boys: review of 196 cases, Radiology 1989; **173:** 681
Ben-Ami T; Yousefzadeh DK; Aramburo MJ: pre-suppurative phase of retropharyngeal infection: contribution of ultrasonography in the diagnosis and treatment, Pediatr Radiol 1990; **21:** 23
Ben-Ami T; Yousefzadeh DK; Backus M; et al: lenticulostriate vasculopathy in infants with infections of the central nervous system sonographic and Doppler findings, Pediatr Radiol 1990; **20:** 575
Benati A; Beltramello A; Colombari R; et al: preoperative embolization of arteriovenous malformations with polylene threads: techniques with wing microcatheter and pathologic results, AJNR 1989; **10:** 579
Benator RM See Keeter S
Benator RM See Kuta AJ
Bencini PL See Nessi R
Benck V See Mazeron JJ
Bendel CJA; Gelmers HJ: multiple enchondromatosis (Ollier's disease) complicated by malignant astrocytoma, Eur J Radiol 1991; **12:** 135
Bendel P; Buonocore E; Bockisch A; et al: blood flow in the carotid arteries: quantification by using phase-sensitive MR imaging, AJR 1989; **152:** 1307
Bender CE See Williams HJ Jr
Bender CE: recognition of limited radiography training programs, Radiology 1991; **179:** 287
Bender JC See Olson JC
Bender TM See Ledesma-Medina J
Bender TM; Ledesma-Medina J; Oh KS: radiographic manifestations of anomalies of the gastrointestinal tract, Radiol Clin North Am 1991; **29:** 335
Benedetti A See Pozza F
Benedetti TJ See Spear R
Benedetto AR: Monte Carlo simulation in the radiological sciences, Radiology 1989; **173:** 36
Benedetto AR: physics of medical x-ray imaging, Radiology 1991; **181:** 230
Benedict SH See Cagnon CH
Benedikt RA See Jelinek JS
Benedikt RA: computed tomography of the abdomen in adults, Radiology 1989; **173:** 638
Benedikt RA: diagnostic imaging of the lung, Radiology 1991; **178:** 714
Benedikt RA: inner visions, Radiographics 1991; **11:** 898
Benedikt RA; Brown DC; Roth MK; et al: spontaneous drainage of an ethmoidal mucocele: a possible cause of pneumosinus dilatans, AJNR 1991; **12:** 729
Benedikt RA; Jelinek JS; Schaefer PS; Edwards F; Ghaed V: right-side aortic arch with aneurysm of aberrant left subclavian artery: MR imaging appearance, JMRI 1991; **1:** 485
Benenati JF See Becker GJ
Benenati JF See Savader SJ
Benenati JF See Widlus DM
Benenati JF See Zemel G
Benenati JF: gross hematuria in two patients with ureteral-ileal conduits and double-J stents: reply, JVIR 1990; **1:** 78
Bengele HH See Weissleder R
Benghanem T See Leighton DM
Bengtson JM See Meyerovitz MF
Bengtson JR; Mark DB; Honan MB; et al: detection of restenosis after elective percutaneous transluminal coronary angioplasty using the exercise treadmill test, (ab), Radiology 1990; **176:** 590
Bengur AR; Snider AR; Serwer GA; et al: usefulness of the Doppler mean gradient in evaluation of children with aortic valve stenosis and comparison to gradient at catheterization, (ab), Radiology 1990; **175:** 294
Ben-Haim S See Israel O
Benhamou J-P See Hautekeete ML
Beningfield SJ See Corr P
Beningfield SJ See Matley PJ
Beningfield SJ; Bornman PC; Krige JEJ; et al: control of hemobilia by embolization of a false aneurysm and arterioportobiliary fistula of the hepatic artery, AJR 1991; **156:** 1263
Benitez WI; Glasier CM; Husain M; et al: MR findings in childhood gangliogliomas, JCAT 1990; **14:** 712
Benjamin CS See Burmeister BH
Benjamin CS See Ingram J
Benjamin CS See Morton RP
Benjamin JB See Volz RG
Benjamin RS See Carrasco CH
Benjamin RS See Lanza LA
Benjamin RS See Pan G
Benjamin SB See Zeman RK
Benjoya RA See Posniak HV
Benka-Coker LBO See Monu JUV
Ben-Meir J See Gomori JM
Ben-Menachem Y See Coldwell DM
Ben-Menachem Y See Fisher RG
Ben-Menachem Y See Patten RM
Ben Mohammed H See Leighton D
Benn I See Lovett I
Benn JJ See Guy RL
Bennani W See Durif F
Bennedbaek O; Therkildsen MH: choroid plexus carcinoma—report of a case with metastases within the central nervous system, Acta Oncol 1990; **29:** 241
Benness GT See Crowe BL
Benness GT; Fischer HW: reactions to ionic and nonionic contrast media, Radiology 1989; **170:** 282
Bennett CL; Gertler P; Guze PA; et al: relation between resource use and in-hospital mortality for patients with acquired immunodeficiency syndrome-related *Pneumocystis carinii* pneumonia, (ab), Radiology 1990; **177:** 892
Bennett DL See Caravati EM
Bennett FC; Silver G; Leung EJ; et al: periventricular echodensities detected by cranial ultrasonography: usefulness in predicting neurodevelopmental outcome in low-birth-weight, preterm infants, (ab), Radiology 1990; **176:** 885
Bennett HF See Enochs WS
Bennett HF; Brown RD III; Keana JFW; et al: interactions of nitroxides with plasma and blood: effect on $1/T_1$ of water protons, Magn Res Med 1990; **14:** 40
Bennett HT See Vahey TN
Bennett IC; Downes MO; Collins REC: distal bowel infarction following angioplasty of the internal iliac artery, Br J Radiol 1989; **62:** 489
Bennett JD; Yacyshyn BJ; Haddad RC; et al: fine-needle aspiration of bone lesions, J Canad Assoc Radiol 1990; **41:** 65
Bennett MH See Dische S
Bennett MH See Makepeace AR
Bennett MJ See Zajko AB
Bennett WF See Chandnani VP
Bennett WF See McGhee RB Jr
Benoit S See Soyer P
Ben-Rafael Z See Bronshtein M
Ben Romdhane H; Neuenschwander S; Hautefort P; et al: pseudo-aneurysm of the popliteal artery following an arthroscopic meniscectomy: report of a pediatric case, Pediatr Radiol 1991; **21:** 228
Benshoff ER; Katz BH: ectopia of the posterior pituitary gland as a normal variant: assessment with MR imaging, AJNR 1990; **11:** 709
Benson CB See Brown DL
Benson CB See Doubilet PM
Benson CB See Lentini JF
Benson CB See Tumeh SS
Benson CB See Vickers MA Jr
Benson CB; Belville JS; Lentini JF; Saltzman DH; Doubilet PM: intrauterine growth retardation: diagnosis based on multiple parameters—a prospective study, Radiology 1990; **177:** 499
Benson CB; Bieber FR; Genest DR; et al: Doppler demonstration of reversed umbilical blood flow in an acardiac twin, JCU 1989; **17:** 291
Benson CB; Coughlin BF; Doubilet PM: amniotic fluid volume in large-for-gestational-age fetuses of nondiabetic mothers, J Ultrasound Med 1991; **10:** 149
Benson CB; Doubilet PM: sonography of multiple gestations, Radiol Clin North Am 1990; **28:** 149
Benson CB; Doubilet PM: ultrasound of multiple gestations, Semin Roentgenol 1991; **26:** 50
Benson CB; Doubilet PM; Richie JP: sonography of the male genital tract, AJR 1989; **153:** 705
Benson CB; Vickers MA: sexual impotence caused by vascular disease: diagnosis with duplex sonography, AJR 1989; **153:** 1149
Benson CB; Vickers MA Jr; Aruny J: evaluation of impotence, Semin US CT MR 1991; **12:** 176
Benson GS See Corriere JN Jr
Benson H See Mandle CL
Benson JE See Smith AS
Benson JT; Sumners JE; Pittman JS: definition of normal female pelvic floor anatomy using ultrasonographic techniques, JCU 1991; **19:** 275
Benson LN See Burrows PE
Benson LN See Pinzon JL
Benson LS; Donaldson JS; Carroll NC: use of ultrasound in management of posterior sternoclavicular dislocation, J Ultrasound Med 1991; **10:** 115
Benson MA; Haaga JR; Resnick MI: staging renal carcinoma: what is sufficient?, (ab), Radiology 1989; **172:** 586
Benson RC; Colletti PM; Platt LD; et al: MR imaging of fetal anomalies, AJR 1991; **156:** 1205
Bentel G See Halperin EC
Bentel GC See Anscher MS
Bentel GC; Oleson JR; Clarke-Pearson D; et al: transperineal templates for brachytherapy treatment of pelvic malignancies—a comparison of standard and customized templates, Int J Radiat Oncol Biol Phys 1990; **19:** 751
Bentley MD See Jack CR Jr
Bentley MD See Lerman LO
Benton C: computertomographie des felsenbeines, mit magnetresonanztomographie (computed tomography of the temporal bone, with magnetic resonance imaging), Radiology 1989; **172:** 158
Bentson JR See Dresel SHJ
Bentson JR See Duckwiler GR
Bentzen SM See Andersen J
Bentzen SM See Overgaard J
Bentzen SM; Johansen LV; Overgaard J; et al: clinical radiobiology of squamous cell carcinoma of the oropharynx, Int J Radiat Oncol Biol Phys 1991; **20:** 1197
Bentzen SM; Overgaard M; Thames HD: fractionation sensitivity of a functional endpoint: impaired shoulder movement after post-mastectomy radiotherapy, Int J Radiat Oncol Biol Phys 1989; **17:** 531
Ben-Uri R; Palma L; Kaveh Z: case report: septic thrombosis of the cavernous sinus: diagnosis with the aid of computed tomography, Clin Radiol 1989; **40:** 520
Benveniste H See Maki JH
Benvensity A See Todd GJ
Benya EC; Ghahremani GG; Brosnan JJ: diverticulitis of the jejunum: clinical and radiological features, Gastrointest Radiol 1991; **16:** 24
Benya EC; Joseph AE; Nemcek AA Jr: mediastinal mass after coronary artery bypass surgery with internal mammary artery grafts, J Thorac Imag 1991; **6-2:** 40
Benz CC See Iyer SB
Benz-Bohm G See Bohndorf K
Benz-Bohm G See Gückel C
Benz-Bohm G; Gross-Fengels W; Bohndorf K; et al: MRI of the knee region in leukemic children: part II. follow up: responder, non-responder, relapse, Pediatr Radiol 1990; **20:** 272
Benzel EC; Mirfakhraee M; Hadden TA: evaluation of CSF shunt function: value of functional examination with contrast material, AJNR 1991; **12:** 143

Benzel EC; Mirfakhraee M; Hadden TA: evaluation of CSF shunt function: value of functional examination with contrast material, AJR 1991; **156:** 801
Benzel EC; Thammavaram K; Kesterson L: diagnosis of infections associated with acrylic cranioplasties, Neuroradiol 1990; **32:** 151
Benzi G See Bolondi L
Beoglos A See Carlo WA
Beorchia A See Pizzi GB
Berant M See Alon U
Berbaum K See Kahn D
Berbaum KS See Barloon TJ
Berbaum KS See Cragg AH
Berbaum KS See Franken EA Jr
Berbaum KS See Hilsenrath PE
Berbaum KS See Smith TP
Berbaum KS; Dorfman DD; Franken EA Jr: measuring observer performance by ROC analysis: indications and complications, Invest Radiol 1989; **24:** 228
Berbaum KS; Franken EA Jr; Dorfman DD; et al: satisfaction of search in diagnostic radiology, Invest Radiol 1990; **25:** 133
Berbaum KS; Franken EA Jr; El-Khoury GY: impact of clinical history on radiographic detection of fractures: a comparison of radiologists and orthopedists, AJR 1989; **153:** 1221
Berbaum KS; Franken EA Jr; Honda H; et al: evaluation of a PACS workstation for assessment of body CT studies, JCAT 1990; **14:** 853
Berberich JJ See Henry DA
Berberoglu LS See Smith WL
Berbrayer D See Rush PJ
Berci G See Schoenfield LJ
Berciano J; Díez C; Polo JM; et al: CT appearance of panencephalopathic and ataxic type of Creutzfeldt–Jakob disease, JCAT 1991; **15:** 332
Berding C See Delius M
Berdon WE See Abramson SJ
Berdon WE See Forman HP
Berdon WE See Godine LB
Berdon WE See Haller JO
Berdon WE See Lucaya J
Berdon WE See Rosenfield NS
Berdon WE See Ruzal-Shapiro C
Berdon WE See Slovis TL
Berdon WE See Soberman N
Berdon WE: barium sulfate absorption and sensitivity: reply, Radiology 1989; **172:** 213
Berdon WE: contemporary imaging approach to pediatric urologic problems, Radiol Clin North Am 1991; **29:** 605
Berendsen HJC See Kamman RL
Berens S See Long TD
Berenstein A See Choi IS
Berenstein A See Seidenwurm D
Beres RA See Mewissen MW
Beres RA; Patel N; Krasnow AZ; et al: concentration of Tc-99m MDP in ovarian carcinoma and its soft tissue metastases, Clin Nucl Med 1991; **16:** 550
Beresford B See Macklis RM
Beretta L See Di Lelio A
Berg D See Julia AM
Berg G See Brunetti A
Berg G See Grady CL
Berg G See Strecker E-P
Berg KJ See Jakobsen JA
Berg KJ See Nossen JØ
Berg O; Carenfelt C; Silfverswärd C; et al: origin of the choanal polyp, (ab), Radiology 1989; **172:** 589
Berg PA See Wasserman NF
Bergamini TM; Towne JB; Bandyk DF; et al: experience with in situ saphenous vein bypasses during 1981 to 1989: determinant factors of long-term patency, (ab), Radiology 1991; **180:** 295
Bergan A See Aspestrand F
Bergan JJ See Harward TRS
Bergen R See Finelli PF
Berger AS See Swartz JD
Berger H; Illner W-D; Abendroth D; et al: angiography of segmental pancreatic transplants, Eur J Radiol 1989; **9:** 169
Berger H; Weinzierl M; Neville E-S; et al: percutaneous transcatheter occlusion of cystic duct stump in postcholecystectomy bile leakage, Gastrointest Radiol 1989; **14:** 334
Berger HJ See Alavi A
Berger HJ See Knight LC
Berger HJ See Koblik PD
Berger HJ See Schaible TF
Berger JR See Post MJD
Berger MR See Eisenbrand G
Berger MY See van Overhagen H
Berger N: imagerie et diagnostic en odonto-stomatologie (diagnostic imaging of the teeth and jaws), Radiology 1990; **175:** 422
Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R: MRI demonstration of radiographically occult fractures: what have we been missing?, Radiographics 1989; **9:** 407
Berger R See Scott GC
Berger RE See Schwartz AN
Berger TG See Baron AL
Berger TS See Barr LL
Bergerheim U See Collins VP
Bergeron RT See Reede DL
Bergey PD See Leventhal LJ
Bergh J; Arnberg H; Erikson B; et al: release of chromogranin A and B like activity from human lung cancer cell lines: a potential marker for a subset of small cell lung cancer, Acta Oncol 1989; **28:** 651
Bergh JR; Phillips W; Blumhardt R: unusual cause of entire lung ventilation-perfusion mismatch, Clin Nucl Med 1989; **14:** 464
Bergh T See Rasmussen C
Bergholm U; Adami H-O; Telenius-Berg M; et al: incidence of sporadic and familial medullary thyroid carcinoma in Sweden 1959 through 1981: a nationwide study in 126 patients, Acta Oncol 1990; **29:** 9
Bergin CJ See Carlsen SE
Bergin CJ See Lomasney L
Bergin CJ; Bell DY; Coblentz CL; Chiles C; Gamsu G; MacIntyre NR; Coleman RE; Putman CE: sarcoidosis: correlation of pulmonary parenchymal pattern at CT with results of pulmonary function tests, Radiology 1989; **171:** 619
Bergin CJ; Castellino RA: mediastinal lymph node enlargement on CT scans in patients with usual interstitial pneumonitis, AJR 1990; **154:** 251
Bergin CJ; Castellino RA; Blank N; et al: acute lung rejection after heart-lung transplantation: correlation of findings on chest radiographs with lung biopsy results, AJR 1990; **155:** 23
Bergin CJ; Coblentz CL; Chiles C; et al: chronic lung diseases: specific diagnosis by using CT, AJR 1989; **152:** 1183
Bergin CJ; Glover GH; Pauly JM: lung parenchyma: magnetic susceptibility in MR imaging, Radiology 1991; **180:** 845
Bergin CJ; Healy MV; Zincone GE; et al: MR evaluation of chest wall involvement in malignant lymphoma, JCAT 1990; **14:** 928
Bergin CJ; Pauly JM; Macovski A: lung parenchyma: projection reconstruction MR imaging, Radiology 1991; **179:** 777
Bergin CJ; Wirth RL; Berry GJ; et al: *Pneumocystis carinii* pneumonia: CT and HRCT observations, JCAT 1990; **14:** 756
Berginer J See Hertzanu Y
Berginer VM See Hertzanu Y
Berglund I See Nilsson S
Bergman A See Rosenblatt M
Bergman A; Vermesh M; Ballard CA; et al: role of ultrasound in urinary incontinence evaluation, (ab), Radiology 1990; **174:** 292
Bergman AH See van Vaals JJ
Bergman B; Sörenson S: hospitalization during chemotherapy for small cell lung cancer, Acta Oncol 1990; **29:** 977
Bergman P See Martin P
Bergman RA See Ehara S
Bergmann SR See Brown MA
Bergmann SR See Henes CG
Bergmann SR See Herrero P
Bergonzi M See Livraghi T
Bergqvist D See Cederholm C
Bergqvist D See Jivegård L
Bergsland J See Yamamoto S
Bergsma CJ See Baran GW
Bergstedt HF See Jacobsson H
Bergstralh EJ See Chybowski FM
Bergstralh EJ See Travis WD
Bergstrand G See Jedrzejczak T
Bergström K See Lundin P
Bergström M See Tovi M
Bergström M; Muhr C; Lundberg PO; et al: PET as a tool in the clinical evaluation of pituitary adenomas, J Nucl Med 1991; **32:** 610
Berjon JJ; Munuera L; Calvo M: meniscal repair following meniscectomy: mechanism and protective effect. experimental study in the dog, Skeletal Radiol 1990; **19:** 567
Berk LB; Patrene KD; Boggs SS: 16,16-dimethyl prostaglandin E2 and/or syngeneic bone marrow transplantation increase mouse survival after supra-lethal total body irradiation, Int J Radiat Oncol Biol Phys 1990; **18:** 1387
Berkey GS See Brunberg JA
Berkey H See Kurtz AB
Berkmen YM See Davis SD
Berkmen YM See Weinreb JC
Berkmen YM; Auh YH; Davis SD; Kazam E: anatomy of the minor fissure: evaluation with thin-section CT, Radiology 1989; **170:** 647
Berkmen YM; Davis SD; Kazam E; Auh YH; Yankelevitz D; Girgis FG: right phrenic nerve: anatomy, CT appearance, and differentiation from the pulmonary ligament, Radiology 1989; **173:** 43
Berkmen YM; Lande A: midaortic syndrome: diagnosis and treatment, Radiology 1989; **170:** 571
Berkmen YM; Yankelevitz D; Davis SD; Zanzonico P: torsion of the upper lobe in pneumothorax, Radiology 1989; **173:** 447
Berkovic SF See Rowe CC
Berkowitz BA See Heineman FW
Berkowitz BA; Balaban RS: improvement in ^{31}P NMR signal-to-noise for ATP *in vivo* using homonuclear decoupling, Magn Res Med 1989; **12:** 249
Berkowitz GS See Mehalek KE
Berkowitz GS See Skovron ML
Berkowitz JE See Gatewood OMB
Berkowitz JE: combining spot-compression and other special views to maximize mammographic information: reply, Radiology 1989; **173:** 571
Berkowitz JE; Gatewood OMB; Gayler BW: equivocal mammographic findings: evaluation with spot compression, Radiology 1989; **171:** 369
Berkowitz JE; Gatewood OMB; Goldblum LE; Gayler BW: hormonal replacement therapy: mammographic manifestations, Radiology 1990; **174:** 199
Berkowitz JF; Kier R; Rudicel S: plantar fasciitis: MR imaging, Radiology 1991; **179:** 665
Berland LL See Holley HC
Berland LL See Mulligan SA
Berland LL See Shin MS
Berland LL: additional comment: dynamic hepatic CT, Radiology 1991; **181:** 22
Berland LL: color Doppler applications in the abdomen, (ab), Radiology 1990; **177:** 890
Berland LL; Koslin DB: renal artery stenosis: diagnosis with color duplex US: reply, Radiology 1990; **176:** 878
Berland LL; Koslin DB; Routh WD; Keller FS: renal artery stenosis: prospective evaluation of diagnosis with color duplex US compared with angiography: work in progress, Radiology 1990; **174:** 421
Berlin RC; Levinsohn EM; Chrisman H: wrinkled patellar tendon: an indication of abnormality in the extensor mechanism of the knee, Skeletal Radiol 1991; **20:** 181
Berliner LJ; Wan X: *in vivo* pharmacokinetics by electron magnetic resonance spectroscopy, Magn Res Med 1989; **9:** 430
Berman A See Espinoza LR
Berman AJ See Down JD
Berman C; Velchik MG; Shusterman N; et al: clinical utility of the Tc-99m SC intraperitoneal scan in CAPD patients, Clin Nucl Med 1989; **14:** 405
Berman D See Gerard PS
Berman DS See de Yang L
Berman DS See Van Train KF
Berman DS See Wackers FJT
Berman DS; Kiat H; Van Train K; et al: technetium 99m sestamibi in the assessment of chronic coronary artery disease, Semin Nucl Med 1991; **21:** 190
Berman H See Kotval PS
Berman HL; DelGuercio LRM; Katz SG; et al: mimimally invasive devascularization for variceal bleeding that could not be controlled with sclerotherapy, (ab), Radiology 1989; **171:** 293
Berman HL; DelGuercio LRM; Katz SG: treatment of variceal hemorrhage, Radiology 1991; **179:** 285
Berman LH; Stringer DA; Ein SH; et al: late-presenting pediatric Bochdalek hernia: a 20-year review, (ab), Radiology 1989; **171:** 295
Berman LH; Stringer DA; St. Onge O; et al: assessment of sonography in the diagnosis and management of neonatal renal candidiasis, Clin Radiol 1989; **40:** 577
Berman MA; Burnham JA; Sheahan DG; et al: fibrolamellar carcinoma of the liver: an immunohistochemical study of nineteen cases and a review of the literature, (ab), Radiology 1989; **170:** 581
Berman MC: recognition for sonographers, Radiology 1990; **174:** 577
Bermudez NM See Renner WD
Berna JD; Garcia-Medina V; Kuni CC: ductoscopy: a new technique for ductal exploration, Eur J Radiol 1991; **12:** 127
Berná JD; Garcia-Medina V; Perez J; et al: new apparatus for the localization of nonpalpable mammary lesions, Eur J Radiol 1991; **12:** 187
Berná JD; Guirao J; Garcia V: coaxial technique for performing galactography, AJR 1989; **153:** 273
Bernâ L See Duncker CM
Bernard C; Ody B; de Moerloose P: non-ionic contrast media: thrombosis or haemorrhage?, Eur J Radiol 1989; **9:** 131
Bernard JT See Ameriso S
Bernard MS See Adams H
Bernard MS; Hayward M; Hayward C; et al: evaluation of intense renal parenchymal activity ("hot kidneys") on bone scintigraphy, Clin Nucl Med 1990; **15:** 254

Bernard O See **Gentil-Kocher S**
Bernard O See **Pariente D**
Bernard YF See **Anguenot TJ**
Bernardino M; Fernandez M; Neylan J; Hertzler G; Whelchel J; Olson R: pancreatic transplants: CT-guided biopsy, Radiology 1990; **177:** 709
Bernardino ME See **Baumgartner BR**
Bernardino ME See **Chezmar JL**
Bernardino ME See **Fernandez MdP**
Bernardino ME See **Murphy FB**
Bernardino ME See **Nelson RC**
Bernardino ME See **Perchik JE**
Bernardino ME See **Steinberg HV**
Bernardino ME See **Tyrrel RT**
Bernardino ME See **Vassiliades VG**
Bernardino ME: automated biopsy devices: significance and safety, Radiology 1990; **176:** 615
Bernaschek G See **Koelbl H**
Bernay I See **Yücel AE**
Berne AS See **Oliphant M**
Bernecker P See **Resch H**
Berners-Price SJ; Sant ME; Christopherson RI; et al: ^{1}H and ^{31}P NMR and HPLC studies of mouse L1210 leukemia cell extracts: the effect of Au(I) and Cu(I) diphosphine complexes on the cell metabolism, Magn Res Med 1991; **18:** 142
Bernfield JB See **Fernbach SK**
Bernfield JB See **Lowe GM**
Bernhard VM See **Parent FN III**
Berns DH See **Blaser SI**
Berns DH; Masaryk TJ; Weisman B; et al: tuberous sclerosis: increased MR detection using gradient echo techniques, JCAT 1989; **13:** 896
Berns DH; Ross JS; Kormos D; et al: spinal vacuum phenomenon: evaluation by gradient echo MR imaging, JCAT 1991; **15:** 233
Berns GS See **Howell SM**
Bernstein EF See **Schneider PA**
Bernstein EF; Torem S; Dilley RB: does carotid restenosis predict an increased risk of late symptoms, stroke, or death?, (ab), JVIR 1991; **2:** 300
Bernstein GT; Mandell J; Lebowitz RL; et al: ureteropelvic junction obstruction in the neonate, (ab), Radiology 1989; **172:** 590
Bernstein JR See **Chen HH**
Bernstein JR See **Ghahremani G**
Bernstein MA See **Pelc NJ**
Bernstein MA See **Perman WH**
Bernstein ML; Esseltine D; Azouz EM; et al: deep venous thrombosis complicating myelomeningocele: report of three cases, (ab), Radiology 1990; **175:** 888
Bernstein RW See **Browdie DA**
Bero LA See **Rennie D**
Berquist TH See **Binkovitz LA**
Berquist TH See **Jack CR Jr**
Berquist TH See **King BF**
Berquist TH See **Morton MJ**
Berquist TH See **Smith DK**
Berquist TH: cervical spine trauma, (ab), Radiology 1991; **178:** 591
Berquist TH: magnetic resonance imaging of the foot and ankle, Semin US CT MR 1990; **11:** 327
Berquist TH; Ehman RL; King BF; et al: value of MR imaging in differentiating benign from malignant soft-tissue masses: study of 95 lesions, AJR 1990; **155:** 1251
Berquist W See **Lois JF**
Berridge MS; Cassidy EH; Terris AH: routine, automated synthesis of oxygen-15-labeled butanol for positron tomography, J Nucl Med 1990; **31:** 1727
Berry BR See **Biasonnette RT**
Berry CC See **Lasser EC**
Berry CC: tutorial on confidence intervals for proportions in diagnostic radiology, AJR 1990; **154:** 477
Berry GJ See **Bergin CJ**
Berry I See **Trussart V**
Berry I: MRI on the spine and novelties in NMR spectroscopy: report on the 1989 RSNA Annual Meeting, J Neuroradiol 1989; **16:** 254
Berry JJ; Baker JA; Pieper KS; et al: effect of n.etabolic milieu on cardiac PET imaging using fluorine-18-deoxyglucose and nitrogen-13-ammonia in normal volunteers, J Nucl Med 1991; **32:** 1518
Berry M See **Gupta AK**
Berry M See **Jenkin D**
Berry M See **Kumar A**
Berry M See **Sawhney S**
Berry RE See **Hill SL**
Bersey ML See **Angtuaco TL**
Berson AM; Quivey JM; Harris JW; et al: radiation therapy for AIDS-related Kaposi's sarcoma, Int J Radiat Oncol Biol Phys 1990; **19:** 569
Berson B; Abdelwahab IF; Hermann G; et al: case report 573, Skeletal Radiol 1989; **18:** 547
Berson BD See **Hermann G**
Berson M; Patat F; Wang ZQ; et al: very high frequency pulsed Doppler apparatus, Ultrasound Med Biol 1989; **15:** 121
Berstein IM; Catalano PM: ultrasonographic estimation of fetal body composition for children of diabetic mothers, Invest Radiol 1991; **26:** 722
Bertelle A See **Arsura EL**
Bertelrud K See **Mehta MP**
Bertelrud KL See **Shanahan TG**
Bertenstam L See **Blad B**
Berthelsen B; Löfgren J; Svendsen P: embolization of cerebral arteriovenous malformations with bucrylate: experience in a first series of 29 patients, Acta Radiol 1990; **31:** 13
Berthezene Y; Vexler V; Jerome H; Sievers R; Moseley ME; Brasch RC: differentiation of capillary leak and hydrostatic pulmonary edema with a macromolecular MR imaging contrast agent, Radiology 1991; **181:** 773
Berthiau F See **Seguin F**
Berthiot G See **Marechal F**
Berthoty DP See **Grafe MR**
Berthoty DP See **Trambert MA**
Bertino RE See **Bugajeski EM**
Bertino RE See **Goldman ML**
Bertino RE See **Shaw DWW**
Bertocci LA See **Fleckenstein JL**
Bertoli D See **Balbarini A**
Bertoni F See **Present D**
Bertoni F; Bacchini P; Picci P; et al: case report 517, Skeletal Radiol 1989; **18:** 221
Bertoni M See **Nair JMG**
Bertram G See **Roth SL**
Bertrand Y See **Douek P**
Bescos JM See **Franquet T**
Beskonakli E See **Palaoglu S**
Bessell EM See **Bissett D**
Bessell EM See **Bloom HJG**
Bessette JC See **Mewissen MW**
Bessette JR; Maglinte DDT; Kelvin FM; et al: primary malignant tumors in the small bowel: a comparison of the small-bowel enema and conventional follow-through examination, AJR 1989; **153:** 741
Bessieres M See **Claudon M**
Bessler W; Antonucci F; Stamm B; et al: case report 646, Skeletal Radiol 1991; **20:** 212
Besson JAO See **Gemmell HG**
Best IM See **Kvilekval KHV**
Best JJK See **Wardlaw JM**
Best MW See **Miller GG**
Beste DJ See **Milbrath MM**
Beswick JS; Hughes PM; Martin DF: ultrasonic evaluation of gallbladder function prior to non-surgical treatment of gallstones, Br J Radiol 1991; **64:** 321
Beth AH See **Conturo TE**
Bethencourt A See **Medina A**
Bettelli G; Tigani D; Picci P: recurring osteoblastoma initially presenting as a typical osteoid osteoma: report of two cases, Skeletal Radiol 1991; **20:** 1
Bettenay F; de Campo J: allergic reaction following micturating cystourethrography, Urol Radiol 1989; **11:** 167
Betti R See **Nessi R**
Bettmann MA See **Dunnick NR**
Bettmann MA See **Fleetwood G**
Bettmann MA See **Grassi CJ**
Bettmann MA See **Lasser EC**
Bettmann MA See **Meyerovitz MF**
Bettmann MA See **Morgan DML**
Bettmann MA See **Rosen MP**
Bettmann MA: guidelines for use of low-osmolality contrast agents, Radiology 1989; **172:** 901
Bettmann MA: ionic versus nonionic contrast agents for intravenous use: are all the answers in?, Radiology 1990; **175:** 616
Bettmann MA; Geller SC; McClennan B; et al: current use of low-osmolality contrast agents: results of a survey, AJR 1989; **153:** 1079
Bettmann MA; Holzer JF; Trombly ST: risk management issues related to the use of contrast agents, Radiology 1990; **175:** 629
Bettoni L See **Piazza P**
Betz BW; Hertzberg BS; Carroll BA; et al: mild fetal renal pelviectasis: differentiation from hilar vascularity using color Doppler sonography, J Ultrasound Med 1991; **10:** 243
Betz BW; Wiener MD: air in the temporomandibular joint fossa: CT sign of temporal bone fracture, Radiology 1991; **180:** 463
Beuscart R See **Remy-Jardin M**
Beute BJ; Fobben ES; Hubschmann O; et al: cerebellar gliosarcoma: report of a probable radiation-induced neoplasm, AJNR 1991; **12:** 554
Beute BJ; Kalisher L; Hutter RVP: lobular carcinoma in situ of the breast: clinical, pathologic, and mammographic features, AJR 1991; **157:** 257
Beute GH See **Eurman DW**
Beute GH See **Lewis JW Jr**
Beven EG See **Kline RM Jr**
Beveridge GM; Lang S; Powell JM; et al: case report 580, Skeletal Radiol 1989; **18:** 607
Beveridge JH See **Worrell JA**
Bewley DK; Cullen BM; Astor M; et al: changes in biological effectiveness of the neutron beam at Clatterbridge (62 MeV p on Be) measured with cells *in vitro*, Br J Radiol 1989; **62:** 344
Bews JA See **Huda W**
Beyer DC: pterygia: single-fraction postoperative beta irradiation, Radiology 1991; **178:** 569
Beyer GA See **Mewissen MW**
Beyer GA; Thorsen MK; Shaffer KA; et al: mammographic appearance of the retained Dacron cuff of a Hickman catheter, AJR 1990; **155:** 1203
Beyer J See **Just M**
Beyer KL See **Marshall JB**
Beyer P See **Volle E**
Beyer-Enke SA See **Görich J**
Beyssen BM See **Long AL**
Beytas EM See **Tribble KA**
Beyth Y See **Sherer DM**
Bezek Š See **Trnovec T**
Bezirdjian DR; Reznikov PD; Tisnado J: transcatheter embolization of an arteriovenous malformation of the scrotum, Cardiovasc Intervent Radiol 1989; **12:** 267
Bezirdjian DR; Szucs R: sickle-shaped scapulae in a patient with the Pierre Robin syndrome, Br J Radiol 1989; **62:** 171
Bezzi M See **Rossi P**
Bezzi M See **Rubesin SE**
Bezzi M See **Schiebler ML**
Bhagat J See **Jayagopal S**
Bhagavan BS See **Dinh TV**
Bhalla M; Leitman BS; Forcade C; et al: lung hernia: radiographic features, AJR 1990; **154:** 51
Bhalla M; McCauley DI; Golimbu C; et al: counting ribs on chest CT, JCAT 1990; **14:** 590
Bhalla M; Turcios N; Aponte V; Jenkins M; Leitman BS; McCauley DI; Naidich DP: cystic fibrosis: scoring system with thin-section CT, Radiology 1991; **179:** 783
Bhamarapravati Y See **Ajjimakorn S**
Bhan AO See **Adler DD**
Bhandare N See **Sharma SC**
Bhargava KK; Acharya SA: labeling of monoclonal antibodies with radionuclides, Semin Nucl Med 1989; **19:** 187
Bhargava R See **Hurwitz GA**
Bhargava R; Lewandowski BJ: water intoxication: a complication of pelvic US in a patient with syndrome of inappropriate antidiuretic hormone secretion, Radiology 1991; **180:** 723
Bhargava R; Millward SF: contrast venography in patients with very edematous feet: use of transdermal illumination to aid in vein puncture, Radiology 1991; **179:** 583
Bhargava S See **Rao M**
Bhargava V: new video intensity based wall motion analysis technique, Comput Med Imag Graph 1990; **14:** 107
Bhat S See **Vaquer RA**
Bhat S; Neff C; Fisher M; et al: sonographic pseudokidney after nephrectomy, Urol Radiol 1990; **12:** 94
Bhatia HC See **Verma BS**
Bhayana JN See **Canver CC**
Bhimji S See **Wong F**
Bhola A See **Khan Z**
Bhujwalla ZM See **Tozer GM**
Bhushan B See **Mohan V**
Bhushan V; Gupta RR; Weinreb J; et al: unusual brain MRI findings in a patient with hypomelanosis of Ito, Pediatr Radiol 1989; **20:** 104
Biagini C; Enrici RM; Anselmo AP; et al: role of restaging laparotomy in Hodgkin's disease, Acta Oncol 1989; **28:** 659
Biagini R See **Capanna R**
Biagini R See **De Cristofaro R**
Biagini R See **Torricelli P**
Biaglow JE; Varnes ME; Epp ER; et al: role of glutathione in the aerobic radiation response, Int J Radiat Oncol Biol Phys 1989; **16:** 1311
Bialy G See **Nosher JL**
Bianchi E; Cordini S; Fiori P; et al: Antley-Bixler syndrome: description of two patients, Skeletal Radiol 1991; **20:** 339
Bianchi E; Savasta S; Torcetta F; et al: thalamic hemorrhage in a 4-year-old child induced by nephro-vascular hypertension, Pediatr Radiol 1989; **19:** 513
Bianco JA See **Bajwa N**
Bianco JA; Brown PA; Durack L; et al: effects of propylthiouracil on the biodistribution of an iodine-131-labeled anti-myeloid antibody in normal dogs: dosimetry and clinical implications, J Nucl Med 1990; **31:** 1384
Biasi S See **Bombelli L**
Biasizzo E See **Leonardi M**
Bibbo M See **Dowlatshahi K**
Bice AN See **Lewellen TK**

Bick U; Müller-Leisse C; Tröger J: ultrasonography of the hip in preterm neonates, Pediatr Radiol 1990; **20:** 331

Bickers MA See Shaw de Paredes E

Bidabé AM; Gense de Beaufort D; Gin AM; et al: measurement of cerebral blood flow by the stable xenon computerized tomography method, J Neuroradiol 1990; **17:** 103

Bidoli P See Petrillo R

Bidwell JK See Rosenbaum RC

Bieber FR See Benson CB

Bielecki D See Haller J

Biener A; Palestro C; Lewis BS; et al: intraoperative scintigraphy for active small intestinal bleeding, (ab), Radiology 1991; **179:** 588

Bier RT See Vaamonde CA

Bieri A See Floersheim GL

Bierke P: immune competence in ^{90}Sr-exposed, adult thymectomized and antilymphocyteglobulin-treated CBA mice: I. allogenic skin graft reaction, Acta Oncol 1989; **28:** 271

Bierke P: immune competence in ^{90}Sr-exposed, adult thymectomized and antilymphocyteglobulin-treated CBA mice: II. reticuloendothelial phagocytic function and in vitro mitogen responsiveness of spleen cells, Acta Oncol 1990; **29:** 615

Bierke P; Nilsson A: radiostrontium-induced oncogenesis and the role of immunosuppression: I. influence of ^{90}Sr dose, adult thymectomy and antilymphocyteglobulin treatment on the development of neoplastic and preneoplastic lesions in the skeleton of CBA mice, Acta Oncol 1989; **28:** 87

Bierke P; Nilsson A: radiostrontium-induced oncogenesis and the role of immunosuppression: II. influence of ^{90}Sr dose, adult thymectomy and antilymphocyteglobulin treatment on the development of lympho-reticular and extraskeletal, neoplastic lesions in CBA mice, Acta Oncol 1990; **29:** 53

Bier-Laning C: manual of diagnostic imaging: a clinician's guide to clinical problem solving. 2nd ed, Radiology 1991; **180:** 126

Bierman SM; Reuter KL; Hunter RE: Meigs syndrome and ovarian fibroma: CT findings, JCAT 1990; **14:** 833

Biernacki W See Turnbull LW

Biersack HJ; Coenen HH; Stöcklin G; et al: imaging of brain tumors with L-3-[^{123}I]iodo-α-methyl tyrosine and SPECT, J Nucl Med 1989; **30:** 110

Biersack HJ; Grünwald F; Kropp J: single photon emission computed tomography imaging CT brain tumors, Semin Nucl Med 1991; **21:** 2

Bigaignon G See Van Beers BE

Biggemann M; Hilweg D; Seidel S; et al: risk of vertebral insufficiency fractures in relation to compressive strength predicted by quantitative computed tomography, Eur J Radiol 1991; **13:** 6

Biggs BJ See Stevens MJ

Bighi S See Merlo L

Bighi S; Trevisani L; Lupi L; et al: amyloidosis of the gastric stump: radiographic and CT findings, Gastrointest Radiol 1990; **15:** 197

Bigler RE See Hammer BE

Bigler RE See Zanzonico PB

Bigler SA See Teefey SA

Bihet MH See Pariente D

Bihrle R See Kopecky KK

Bihrle R: gross hematuria in two patients with ureteral-ileal conduits and double-J stents: commentary, JVIR 1990; **1:** 77

Bihrle W III See Beckmann CF

Bijhold J See Meertens H

Bilaniuk LT See Braffman BH

Bilaniuk LT See Lerner EJ

Bilaniuk LT See Vogl TJ

Bilaniuk LT See Yousem DM

Bilaniuk LT: adult infratentorial tumors, Semin Roentgenol 1990; **25:** 155

Bilbao JI See Longo JM

Bilbao JI; Aquerreta JD; Longo JM; et al: open-ended guidewire as superselective catheter for intraarterial chemotherapy: experience in 190 procedures, Cardiovasc Intervent Radiol 1990; **13:** 375

Bilbao JI; Rodríguez-Cabello J; Longo JM; et al: pancreatic pseudocyst in a gastrectomized patient: treatment with internalized endoprosthesis, Gastrointest Radiol 1991; **16:** 70

Bilbao JI; Rodriguez-Cabello J; Longo JM; et al: portal thrombosis: percutaneous transhepatic treatment with urokinase—a case report, Gastrointest Radiol 1989; **14:** 326

Bilbey JH; Gibney RG; Cooperberg PL: ultrasonography in acute appendicitis, J Canad Assoc Radiol 1989; **40:** 22

Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B: thoracic outlet syndrome: evaluation with CT, Radiology 1989; **171:** 381

Bilbija Ž See Obralić N

Bildsoe MC See Hedlund LJ

Bildsoe MC See Hunter DW

Bildsoe MC See Robinson JD

Bildsoe MC; Moradian GP; Hunter DW; Castaneda-Zuniga WR; Amplatz K: mechanical clot dissolution: new concept, Radiology 1989; **171:** 231

Bildsoe MC; Yedlicka JW; Hunter DW; et al: inferior vena cava clip: the percutaneous approach, (ab), JVIR 1990; **1:** 135

Bildsoe MC; Yedlicka JW; Hunter DW; et al: inferior vena cava clip: the percutaneous approach, Invest Radiol 1990; **25:** 871

Bilenjki D See Obralić N

Bill P See Modi G

Billard BE; Hynynen K; Roemer RB: effects of physical parameters on high temperature ultrasound hyperthermia, Ultrasound Med Biol 1990; **16:** 409

Bille S See Hansen AK

Biller BMK See Mayo-Smith W

Biller DS See Sether LA

Biller HF See Som PM

Biller J See Knepper L

Biller J See Loes DJ

Billing H See Kubota K

Billingham M See Castellino RA

Billinghurst MW; Abrams DN; Lawson MS: chemical aspects of labeling sucralfate with $^{99m}TcO_4$, J Nucl Med 1989; **30:** 523

Billings J See Gibby WA

Billings J See Kung M-P

Billson FA See Karolis C

Billström Å See Ohlsén H

Billström Å; Hietala S-O; Lithner F; et al: nephrotoxicity of contrast media in patients with diabetes mellitus: a comparative urographic and angiographic study with iohexol and metrizoate, Acta Radiol 1989; **30:** 509

Billström Å; Hietala S-O; Sunnegárdh O; et al: contrast media and pain in patients with acute ureteral stone obstruction: a comparative study with iohexol and metrizoate, Acta Radiol 1990; **31:** 509

Bilotta W; Walker H; McDonald DJ; et al: case report 651, Skeletal Radiol 1991; **20:** 71

Binda R See Rea F

Bindman DJ See Kaszar-Seibert DJ

Bindman DJ; Rogoff PA; Bartlett FF; et al: transcatheter embolization of a ruptured superior mesenteric artery aneurysm with Gianturco coils: a case report, Cardiovasc Intervent Radiol 1990; **13:** 289

Binet EF See Wang H

Bingham JB See Padayachee TS

Binkert BL See Hayt DB

Binkovitz LA; Berquist TH; McLeod RA: masses of the hand and wrist: detection and characterization with MR imaging, AJR 1990; **154:** 323

Binkovitz LA; Johnson CD; Stephens DH: islet cell tumors in von Hippel-Lindau disease: increased prevalence and relationship to the multiple endocrine neoplasias, AJR 1990; **155:** 501

Binkovitz LA; King BF; Ehman RL: sciatic endometriosis: MR appearance, JCAT 1991; **15:** 508

Binmoeller KF; Katon RM; Shneidman R: endoscopic management of postoperative biliary leaks: review of 77 cases and report of two cases with biloma formation, (ab), JVIR 1991; **2:** 420

Binnendijk B See Bleichrodt RP

Binney G See Ramanna L

Binns PJ See Slabbert JP

Binns WR See Wong JW

Biondi A; Dormont D; Weitzner I Jr; et al: MR imaging of the cervical cord in juvenile amyotrophy of distal upper extremity, AJNR 1989; **10:** 263

Biondi A; Merland J-J; Reizine D; Aymard A; Hodes JE; Lecoz P; Rey A: embolization with particles in thoracic intramedullary arteriovenous malformations: long-term angiographic and clinical results, Radiology 1990; **177:** 651

Björklund A See Tennvall J

Biran S See Brufman G

Birch PD; Cook JV; Fletcher CJ; et al: are multiple examinations of the gall-bladder helpful?, Clin Radiol 1989; **40:** 262

Birchall IWJ See Nixon J

Birchall IWJ; Chow CC; Metreweli C: ultrasound appearances of De Quervain's thyroiditis, Clin Radiol 1990; **41:** 57

Bird CR See Dean BL

Bird CR See Dickman CA

Bird CR; Drayer BP; Gilles FH: pathophysiology of "reverse" edema in global cerebral ischemia, AJNR 1989; **10:** 95

Bird CR; Hedberg M; Drayer BP; et al: MR assessment of myelination in infants and children: usefulness of marker sites, AJNR 1989; **10:** 731

Bird NC See Schachler R

Bird RE: low-cost screening mammography: report on finances and review of 21,716 consecutive cases, Radiology 1989; **171:** 87

Bird RE: professional quality assurance for mammography screening programs, Radiology 1990; **177:** 587

Birnbaum BA See Balthazar EJ

Birnbaum BA See Lubat E

Birnbaum BA See Megibow AJ

Birnbaum BA See Rofsky NM

Birnbaum BA; Bosniak MA; Megibow AJ: asymmetry of the renal nephrograms on CT: significance of the unilateral prolonged cortical nephrogram, Urol Radiol 1991; **12:** 173

Birnbaum BA; Bosniak MA; Megibow AJ; Lubat E; Gordon RB: observations on the growth of renal neoplasms, Radiology 1990; **176:** 695

Birnbaum BA; Friedman JP; Lubat E; et al: extrarenal genitourinary tuberculosis: CT appearance of calcified pipe-stem ureter and seminal vesicle abscess, JCAT 1990; **14:** 653

Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL: hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Radiology 1991; **181:** 469

Birnbaum BA; Weinreb JC; Megibow AJ; Sanger JJ; Lubat E; Kanamuller H; Noz ME; Bosniak MA: definitive diagnosis of hepatic hemangiomas: MR imaging versus Tc-99m-labeled red blood cell SPECT, Radiology 1990; **176:** 95

Birnbaum S See Habrand JL

Birnberg FA See Cassel DM

Birnholz JC: ecologic physiology of the fetus: ultrasonography of supply-line deprivation syndromes, Radiol Clin North Am 1990; **28:** 179

Biro C See Stevens GN

Biron F See Dumontet C

Bis KG; Jacobs IG; Zingas AP; et al: surface coil FLASH magnetic resonance imaging of the fasting and secretin-stimulated pancreas, Invest Radiol 1990; **25:** 977

Bis KG; Slovis TL: accuracy of ultrasonic bladder volume measurement in children, Pediatr Radiol 1990; **20:** 457

Bisceglia M; Donaldson JS: calcification of the ligamentum arteriosum in children: a normal finding on CT, AJR 1991; **156:** 351

Bisceglia M; Matalon TAS; Silver B: pump maneuver: an atraumatic adjunct to enhance US needle tip localization, Radiology 1990; **176:** 867

Bischof-Delaloye A; Delaloye B; Buchegger F; et al: clinical value of immunoscintigraphy in colorectal carcinoma patients: a prospective study, J Nucl Med 1989; **30:** 1646

Bisesi MA See Potchen EJ

Biset JM See Laurent F

Bishay S See Rafla S

Bishnu P See Gupta RK

Bishop J See Ball D

Bishop MD See Siegel EL

Bishop N See Parkin A

Bishop NJ See Dahlenburg SL

Bisset G III See Wood BP

Bisset GS III See Auringer ST

Bisset GS III See Ball WS Jr

Bisset GS III See Hedlund GL

Bisset GS III See Kirks DR

Bisset GS III See Moore SG

Bisset GS III See Patterson RJ

Bisset GS III See Shiels WE II

Bisset GS III See Strife JL

Bisset GS III: evaluation of potential practical oral contrast agents for pediatric magnetic resonance imaging: preliminary observations, Pediatr Radiol 1989; **20:** 61

Bisset GS III: magnetic resonance imaging of congenital heart disease in the pediatric patient, Radiol Clin North Am 1991; **29:** 279

Bisset GS III: pediatric thoracic applications of magnetic resonance imaging, J Thorac Imag 1989; **4-2:** 51

Bisset GS III; Strife JL; Balistreri WF: evaluation of children for liver transplantation: value of MR imaging and sonography, AJR 1990; **155:** 351

Bisset GS III; Strife JL; McCloskey J: MR imaging of coronary artery aneurysms in a child with Kawasaki disease, AJR 1989; **152:** 805

Bisset R See Hughes PM

Bisset R See Jackson A

Bisset RAL See Chippindale AJ

Bisset RAL See Le Cheong L

Bissett D; Bessell EM; Bradley PJ; et al: parotid metastases from carcinoma of the breast, Clin Radiol 1989; **40:** 309

Bissett D; Cornford EJ; Sokal M: hyponatraemia following cisplatin chemotherapy, Acta Oncol 1989; **28:** 823

Bisson G See **Leclerc Y**
Bissonette DJ See **Coffey RJ**
Bissonnette RT; Gibney RG; Berry BR; Buckley AR: fatal carcinoid crisis after percutaneous fine-needle biopsy of hepatic metastasis: case report and literature review, Radiology 1990; **174:** 751
Bissoon-Doyal D See **Ton-That QT**
Biti GP; Magrini SM; Villari N; et al: brain damage after treatment for acute lymphoblastic leukemia: a report on 34 patients with special regard to MRI findings, Acta Oncol 1989; **28:** 253
Bittner GM See **Selby JB Jr**
Bittner R See **Dock W**
Bittner V; Reeves RC; Digerness SB; et al: ^{31}P NMR spectroscopy in chronic adriamycin cardiotoxicity, Magn Res Med 1991; **17:** 69
Bittoun J See **Leroy-Willig A**
Bittoun J; Saint-Jalmes H; Querleux BG; Darrasse L; Jolivet O; Idy-Peretti I; Wartski M; Richard SB; Leveque J-L: in vivo high-resolution MR imaging of the skin in a whole-body system at 1.5 T, Radiology 1990; **176:** 457
Bixler RP; Ahrens CR; Rossi RP; Thickman D: bullet identification with radiography, Radiology 1991; **178:** 563
Bixon R See **Martin EC**
Bixon R See **Morgenstern BR**
Bizek B See **Gaynes R**
Bizzi A See **Alger JR**
Bizzi A; Brooks RA; Brunetti A; Hill JM; Alger JR; Miletich RS; Francavilla TL; Di Chiro G: role of iron and ferritin in MR imaging of the brain: a study in primates at different field strengths, Radiology 1990; **177:** 59
Bjelkengren G: determination of a suitable dosage of lysine–vasopressin and triglycyl–lysine–vasopressin, given in a gel-solution locally in the rectum of rats for possible radioprotective purposes, Acta Oncol 1990; **29:** 1041
Bjelkenkrantz K See **Hatschek T**
Bjelland JC See **Boren WL**
Bjerg-Nielsen A See **Jensen DB**
Bjerke HS See **Foglia RP**
Björgvinsson E; Majd M; Eggli KD: diagnosis of acute pyelonephritis in children: comparison of sonography and ^{99m}Tc-DMSA scintigraphy, AJR 1991; **157:** 539
Björk GR See **Rasmuson T**
Bjork KJ; Davis CJ; Nagorney DM; et al: duodenal villous tumors, (ab), Radiology 1991; **178:** 587
Björk L: arterial phlebography of the leg, Acta Radiol 1991; **32:** 141
Björk L; Levën H: intra-arterial DSA and duplex-Doppler ultrasonography in detection of vascularized inguinal lymph node, Acta Radiol 1990; **31:** 106
Björkengren AG; AlRowaih A; Lindstrand A; et al: spontaneous osteonecrosis of the knee: value of MR imaging in determining prognosis, AJR 1990; **154:** 331
Björkengren AG; Geborek P; Rydholm U; et al: MR imaging of the knee in acute rheumatoid arthritis: synovial uptake of gadolinium-DOTA, AJR 1990; **155:** 329
Björkenheim J-M See **Ahovuo J**
Björkholm M See **Österborg A**
Björkman J See **Servomaa A**
Björkman J-A See **Gustafsson D**
Bjørneboe G-EA See **Høiseth A**
Bjørnstad PG; Lindberg HL; Smevik B; et al: balloon debanding of the pulmonary artery, Cardiovasc Intervent Radiol 1990; **13:** 300
Björkholm E See **Lundin B**
Black AJR See **Anderson HV**
Black AJR See **Lembo NJ**
Black DM See **Cummings SR**
Black HR See **Chen CC**
Black JL See **Alger JR**
Black JL See **Choyke PL**
Black KL See **Kim KT**
Black KL See **Rubin JM**
Black KS; Gorey MT; Seideman B; et al: congenital spondylolisthesis of the 6th cervical vertebra: CT findings, JCAT 1991; **15:** 335
Black ML See **Lee BCP**
Black ML; Tien RD; Hesselink JR: third ventricular hemangioblastoma: MR appearance, AJNR 1991; **12:** 553
Black PM See **Brooks ML**
Black RR See **Fernandez-Ulloa M**
Black RR; Fernandez-Ulloa M: imaging of osteoporosis circumscripta: two cases, Clin Nucl Med 1989; **14:** 775
Black RR; Winfield DF; Fernandez-Ulloa M: solitary defect on liver sulfur colloid imaging secondary to focal fatty infiltration, Clin Nucl Med 1989; **14:** 603
Black WC See **Armstrong P**
Black WC: how to evaluate the radiology literature, AJR 1990; **154:** 17
Black WC; Dwyer AJ: renal cell carcinoma: earlier discovery and increased detection, Radiology 1990; **174:** 280
Black WC; Ling A: is earlier diagnosis really better? the misleading effects of lead time and length biases, AJR 1990; **155:** 625
Blackband SJ: spatial localization for motion-rejected NMR imaging: SLO-MOTION, Magn Res Med 1990; **13:** 263
Blackband SJ; Chatham JC; O'Dell W; et al: echo planar imaging of isolated perfused rat hearts at 4.7 T: a comparison of Langendorff and working heart preparations, Magn Res Med 1990; **15:** 240
Blackie SP See **Forster BB**
Blackmore C See **Bryant RG**
Blackmore CC; Francis CW; Bryant RG; et al: magnetic resonance imaging of blood and clots in vitro, Invest Radiol 1990; **25:** 1316
Blacksin MF; Ghelman B; Freiberger RH; et al: synovial chondromatosis of the hip: evaluation with air computed arthrotomography, Clin Imag 1990; **14:** 315
Blackwell CW See **Lopez MJ**
Blad B; Bertenstam L; Persson BRR; et al: electrical impedance tomography: a non-invasive imaging system, for temperature monitoring. Acta Radiol 1991; **32:** 85
Blair DN See **Rosenfield AT**
Blair HF See **Adler LP**
Blair IG See **Belanger JG**
Blair K; AuCoin R; Kloiber R; et al: complementary role of plain radiographs and radionuclide shuntography in evaluating CSF-VP shunts, Clin Nucl Med 1989; **14:** 121
Blair RH; Resnik MD; Polga JP: CT appearance of mycotic abdominal aortic aneurysms, JCAT 1989; **13:** 101
Blair RJ See **Ashenburg RJ**
Blaisdell FW See **Hartling RP**
Blaisdell FW See **Wisner DH**
Blaise D See **Altschuler C**
Blaivas JG See **Amis ES Jr**
Blake GM See **Robinson RG**
Blake GM; Tong CM; Fogelman I: intersite comparison of the Hologic QDR-1000 dual energy x-ray bone densitometer, Br J Radiol 1991; **64:** 440
Blake H See **Rao KJM**
Blake NS; O'Connell E: endoscopic correction of vesico-ureteric reflux by subureteric Teflon injecton: follow-up ultrasound and voiding cystography, Br J Radiol 1989; **62:** 443
Blake P See **Constant O**
Blake P See **Moskovic E**
Blake PG See **Abraham G**
Blake PR See **Burnet NG**
Blake RA See **Alexander MS**
Blake SW: advances in treatment planning dosimetry for a high energy neutron beam, Br J Radiol 1991; **64:** 341
Blake SW; Bonnett DE; Finch J: comparison of two methods of *in vivo* dosimetry for a high energy neutron beam, Br J Radiol 1990; **63:** 476
Blakeborough A See **Jeans WD**
Blakemore K See **Sanders RC**
Blamey RW; Locker AP; Mitchell AK; et al: Nottingham breast self-examination project, Acta Oncol 1989; **28:** 869
Blamire A See **Guilfoyle DN**
Blamire AM See **Stehling MK**
Blanc C; Meyer A; Tang YS; et al: treatment of herniated lumbar disc by percutaneous nucleotomy with aspiration: preliminary results in 70 cases, J Neuroradiol 1990; **17:** 182
Blanc P See **Chaffey MH**
Blanchard RJW; Morrow IM; Sutherland JB: treatment of liver tumors with yttrium-90 microspheres alone, J Canad Assoc Radiol 1989; **40:** 206
Blanco-Lorenzo F See **Martinez-Tello FJ**
Blancuzzi V See **Paul PK**
Bland P See **Williams DM**
Bland PH See **Adler RS**
Bland PH See **Quint LE**
Blandino A See **Pandolfo I**
Blane C See **Young W**
Blane CE See **Leary DL**
Blane CE See **Weiskittel DA**
Blane CE; Barr M; DiPietro MA; et al: renal obstructive dysplasia: ultrasound diagnosis and therapeutic implications, Pediatr Radiol 1991; **21:** 274
Blane CE; DiPietro MA; Bloom DA; et al: percutaneous nephrostogram in the newborn with bilateral renal cystic disease, (ab), Radiology 1989; **172:** 295
Blane CE; Herzenberg JE; DiPietro MA: radiographic imaging for Ilizarov limb lengthening in children, Pediatr Radiol 1991; **21:** 117
Blane CE; Ten Haken JD; Vydareny KH; et al: medical student attitudes toward radiology: a multi-institutional survey, Invest Radiol 1989; **24:** 77
Blane CE; Turnage RH; Oldham KT; et al: long-term radiographic follow-up of the Nissen fundoplication in children, Pediatr Radiol 1989; **19:** 523
Blane CE; Vydareny KH; Ten Haken JD; et al: problem-solving model in radiology for medical students, Australas Radiol 1989; **33:** 173
Blank N See **Bergin CJ**
Blanke S See **Rehfeld JF**
Blankenberg F; Conley FK; Sayre J; et al: MR imaging in an experimental model of brain tumor immunotherapy, AJNR 1991; **12:** 543
Blankenberg F; Wirth R; Jeffrey RB Jr; et al: computed tomography as an adjunct to ultrasound in the diagnosis of acute acalculous cholecystitis, Gastrointest Radiol 1991; **16:** 149
Blankensteijn JD See **Van der Veen AH**
Blanker J See **Gonen Y**
Blanks RHI See **deBarry-Borowiecki B**
Blanshard KS; Hacking PM: fibrinolytic therapy for infra-inguinal synthetic graft occlusions, Clin Radiol 1990; **42:** 269
Blaquiere RM See **McHugh K**
Blasco R See **Alvarez-Sala R**
Blaser S See **Ross JS**
Blaser SI See **Mirich DR**
Blaser SI See **Pathria MN**
Blaser SI See **Smith AS**
Blaser SI; Berns DH; Ross JS; et al: serial MR studies in Menkes disease, JCAT 1989; **13:** 113
Blasier RD See **Stark JE**
Blask ARN; Sanders RC; Gearhart JP: obstructed uterovaginal anomalies: demonstration with sonography: part I. neonates and infants, Radiology 1991; **179:** 79
Blask ARN; Sanders RC; Rock JA: obstructed uterovaginal anomalies: demonstration with sonography: part II. teenagers, Radiology 1991; **179:** 84
Blathras K See **Ziskin MC**
Blatt SD; Rosenthal BM; Barnhart DC: diagnostic utility of lower extremity radiographs of young children with gait disturbance, (ab), Radiology 1991; **180:** 592
Blatter DD See **Hou P**
Blatter DD See **Parker DL**
Blatter DD; Parker DL; Robison RO: cerebral MR angiography with multiple overlapping thin slab acquisition: part I. quantitative analysis of vessel visibility, Radiology 1991; **179:** 805
Blattmann HJ See **Greiner RH**
Blattner S See **Bach MC**
Blau M See **Adzamli IK**
Bläuenstein PA See **Beer H-F**
Blaufox MD See **Lee H-B**
Blaufox MD: cost-effectiveness of nuclear medicine procedures in renovascular hypertension, Semin Nucl Med 1989; **19:** 116
Blaufox MD: procedures of choice in renal nuclear medicine, J Nucl Med 1991; **32:** 1301
Blazer S; Hemli JA; Sujov PO; et al: neonatal bilateral diaphragmatic paralysis caused by brain stem haemorrhage, (ab), Radiology 1989; **172:** 887
Blease SCP See **Milner SJ**
Blebea J; Ouriel K; Green RM; et al: laser angioplasty in peripheral vascular disease: symptomatic versus hemodynamic results, (ab), Radiology 1991; **180:** 886
Bleehen NM See **Maughan TS**
Bleehen NM See **Wiernik G**
Bleehen NM: studies on high grade cerebral gliomas, Int J Radiat Oncol Biol Phys 1990; **18:** 811
Bleehen NM; Freedman LS; Stenning SP: randomized study of CCNU with and without benznidazole in the treatment of recurrent grades 3 and 4 astrocytoma: report to the Medical Research Council by the Brain Tumor Working Party, Int J Radiat Oncol Biol Phys 1989; **16:** 1077
Bleehen NM; Newman HFV; Maughan TS; et al: multiple dose study of the combined radiosensitizers Ro 03-8799 (pimonidazole) and SR 2508 (etanidazole), Int J Radiat Oncol Biol Phys 1989; **16:** 1093
Bleeker H; Shung K; Barnhart J: on the application of ultrasonic contrast agents for blood flowmetry and assessment of cardiac perfusion, J Ultrasound Med 1990; **9:** 461
Bleeker JC See **Schaling DF**
Bleiberg H See **Roussel A**
Bleichrodt RP; Kingma LM; Binnendijk B; Klein J-P: injuries of the lateral ankle ligaments: classification with tenography and arthrography, Radiology 1989; **173:** 347
Bleier AR See **Adzamli IK**
Bleier AR See **Mulkern RV**
Blekkenhorst G See **Madhoo J**
Blend M See **Malpani A**
Blend MJ See **Greager JA**
Blend MJ See **Grossman SA**
Blend MJ See **Swift JE**
Blend MJ See **Vijayakumar V**

Blendon R; Donelan K: public's perception of the future of health care and the implications for radiology, Invest Radiol 1989; **24:** 634
Bienkharn JI See **Pace RF**
Biery M See **Chagnon S**
Blethyn J; Jones A; Sullivan B: prenatal diagnosis of unilateral renal disease in tuberous sclerosis, Br J Radiol 1991; **64:** 161
Blews DE; Wang H; Kumar AJ; et al: intradural spinal metastases in pediatric patients with primary intracranial neoplasms: Gd-DTPA enhanced MR vs CT myelography, JCAT 1990; **14:** 730
Biey JA See **Wiswell TE**
Blichert-Toft M See **Nielsen KV**
Blickman JG See **Eschelman DJ**
Blickman JG See **Ortiz C**
Blickman JG: atlas der ultraschalldiagnostik beim kind (atlas of pediatric ultrasound diagnosis), Radiology 1990; **177:** 436
Blickman JG: digitale subtraktionsan-giographie (digital subtraction angiography), Radiology 1989; **173:** 158
Blickman JG: digitale subtraktiosangiographie in klinik und praxis (clinical and practical digital subtraction angiography), Radiology 1989; **173:** 158
Blickman JG: komplexe bildgebende diagnostik: abdomen (complex diagnostic imaging: abdomen), Radiology 1990; **177:** 152
Blickman JG: sonographie und szintigraphie der schilddrüse (thyroid ultrasound and scintigraphy), Radiology 1989; **171:** 76
Blickman JG; Dunlop RW; Sanzone CF; et al: is CT useful in the traumatized pediatric elbow?, Pediatr Radiol 1990; **20:** 184
Blickman JG; Herrin JT; Cleveland RH; et al: coexisting nephrolithiasis and cholelithiasis in premature infants, Pediatr Radiol 1991; **21:** 363
Bligh SWA; Harding CT; Sadler PJ; et al: use of paramagnetic chelated metal derivatives of polysaccharides and spin-labeled polysaccharides as contrast agents in magnetic resonance imaging, Magn Res Med 1991; **17:** 516
Blijenberg BC See **Brakel K**
Blinc A; Lahajnar G; Blinc R; et al: proton NMR study of the state of water in fibrin gels, plasma, and blood clots, Magn Res Med 1990; **14:** 105
Blinc R See **Blinc A**
Blinder R See **Baker ME**
Blinder R See **Halvorsen RA Jr**
Blinder RA See **Brown DG**
Blinder RA See **Chiles C**
Blinder RA See **Donnal JF**
Blinder RA See **Hanson MW**
Blinder RA See **Kuethe DO**
Blinder RA See **Posteraro RH**
Blinder RA: computed tomography of the pituitary gland, Radiology 1989; **171:** 188
Blinkhorn R See **Spencer D**
Blitzer PH See **Tupchong L**
Bliznak J See **Halla JT**
Bloch P See **Buhle EL Jr**
Block AJ See **Abbey NC**
Block JE See **Genant HK**
Block JE See **Steiger P**
Block JE; Steinbach LS; Friedlander AL; et al: electrically-stimulated muscle hypertrophy in paraplegia: assessment by quantitative CT, JCAT 1989; **13:** 852
Block RE; Parekh BC: imaging tumors with respect to a grid coordinate system by proton magnetic resonance using lipid suppression and T_2 weighting, Magn Res Med 1989; **11:** 244
Bloedow DC See **Lear JL**
Bloem JL See **Algra PR**
Bloem JL See **Holscher HC**
Bloem JL See **Moser RP Jr**
Bloem JL See **Obermann WR**
Bloem JL See **Tjon A Tham RTO**
Bloem JL: MR imaging of transient osteoporosis: reply, Radiology 1989; **170:** 281
Bloem JL; van der Heul RO; Schuttevaer HM; et al: fibrous dysplasia vs adamantinoma of the tibia: differentiation based on discriminant analysis of clinical and plain film findings, AJR 1991; **156:** 1017
Bloem JL; Wondergem J: Gd-DTPA as a contrast agent in CT, Radiology 1989; **171:** 578
Blokland JAK See **Valkema R**
Blom RJ: Sneddon syndrome: CT, arteriography, and MR imaging, JCAT 1989; **13:** 119
Blomé L See **Sorbe B**
Blomgren H; Esposti P-L; Näslund I; et al: adjuvant bestatin (Ubenimex) treatment following full-dose local irradiation for bladder carcinoma, Acta Oncol 1990; **29:** 809
Blomlie V See **Lien HH**
Blomlie V; Lien HH; Fossá SD; et al: CT in primary malignant germ cell tumors of the retroperitoneum, Acta Radiol 1991; **32:** 155
Blomqvist L See **Slezak P**
Blomstrand C See **Wikkelsö C**
Blond S See **Rousseau J**
Blood DK See **Seldin DW**
Bloom DA See **Blane CE**
Bloom HJG See **Glaholm J**
Bloom HJG See **Jannoun L**
Bloom HJG See **Whitton AC**
Bloom HJG; Bessell EM: medulloblastoma in adults: a review of 47 patients treated between 1952 and 1981, Int J Radiat Oncol Biol Phys 1990; **18:** 763
Bloom HJG; Glees J; Bell J: treatment and long-term prognosis of children with intracranial tumors: a study of 610 cases, 1950–1981, Int J Radiat Oncol Biol Phys 1990; **18:** 723
Bloom ND See **Mitty HA**
Bloom R See **Stevens SK**
Bloom RA See **Verstandig AG**
Bloom RA: active abduction view: a new maneuvre in the diagnosis of rotator cuff tears, Skeletal Radiol 1991; **20:** 255
Bloom RA; Gheorghiu D; Krausz Y: lymphatic opacification in the prosthetic hip, Skeletal Radiol 1991; **20:** 43
Bloom RA; Gheorghiu D; Verstandig A; et al: psoas sign in normal subjects without bowel preparation: the influence of scoliosis on visualisation, Clin Radiol 1990; **41:** 204
Bloom RA; Gomori JM; Fields SI; et al: abdominal wall lipoma—CT and MRI appearance, Comput Med Imag Graph 1991; **15:** 37
Bloom RA; Libson E; Lebenaart PD; et al: ultrasound spectrum of emphysematous cholecystitis, JCU 1989; **17:** 251
Bloomfield CD See **Lee CKK**
Blot WJ; Devesa SS; Kneller RW; et al: rising incidence of adenocarcinoma of the esophagus and gastric cardia, (ab), Radiology 1991; **180:** 882
Blount LH; Thomas BJ; Tran L; et al: postoperative irradiation for the prevention of heterotopic bone: analysis of different dose schedules and shielding considerations, Int J Radiat Oncol Biol Phys 1990; **19:** 577
Blower PJ; Singh J; Clarke SEM: chemical identity of pentavalent technetium-99m-dimercaptosuccinic acid, J Nucl Med 1991; **32:** 845
Bloze AE See **Davis SJ**
Blue MG; Sivak MV Jr; Achkar E; et al: hyperplastic polyps seen at sigmoidoscopy are markers for additional adenomas seen at colonoscopy, (ab), Radiology 1991; **180:** 587
Blue PW See **Fortenbery EJ**
Blue PW See **Mulligan JS**
Blue PW; Crawford G; Dydek GJ: parathyroid subtraction imaging—pitfalls in diagnosis, Clin Nucl Med 1989; **14:** 47
Blue PW; Fortenbery EJ: need for oblique or lateral ventilation images in the diagnosis of pulmonary embolism, Clin Nucl Med 1990; **15:** 917
Bluemke DA; Fishman EK; Kuhlman JE; Zinreich ES: complications of radiation therapy: CT evaluation, Radiographics 1991; **11:** 581
Bluemke DA; Wang H: primary spinal cord lymphoma: MR appearance, JCAT 1990; **14:** 812
Blum AL See **Sacks HS**
Blum D See **Christophe C**
Blum H; Osbakken MD; Johnson RG Jr: sodium flux and bioenergetics in the ischemic rat liver, Magn Res Med 1991; **18:** 348
Blum L See **Kurtz AB**
Blum L See **Mitchell DG**
Blum L; Kurtz AB: gestational age: what to measure and when, Semin Roentgenol 1990; **25:** 299
Blumberg K; Patterson RJ: toddler's cuboid fracture, Radiology 1991; **179:** 93
Blumberg ML; Ostrum BJ; Ostrum DM: changes in MR signal intensity of the intervertebral disk, Radiology 1991; **179:** 584
Blum-Boisgard C See **Durand-Zaleski I**
Blume D See **Costello P**
Biume M See **Perin EC**
Blumenfield DM See **Goldstein HA**
Blumenthal D; Russo P; Orr J: unilateral ureteral obstruction in a patient with acute leukemia, Urol Radiol 1990; **12:** 61
Blumetti RF See **Goldstein HA**
Blumetti RF See **Kashanian FK**
Blumhagen JD See **Liddell RM**
Blumhardt R See **Bergh JR**
Blumhardt R See **Phillips WT**
Bluth EI; Merritt CRB; Sullivan MA; et al: usefulness of duplex ultrasound in evaluating vertebral arteries, J Ultrasound Med 1989; **8:** 229
Bluth EI; Shyn PB; Sullivan MA; et al: Doppler color flow imaging of carotid artery dissection, J Ultrasound Med 1989; **8:** 149
Blyth BR See **Mandell J**
Boal DKB See **Hopper KD**
Boal DKB; Schwentker EP: assessment of congenital hip dislocation with real-time ultrasound: a pictoral essay, Clin Imag 1991; **15:** 77
Boal DKB; Schwentker EP: ultrasound of congenital dysplasia of the infant hip, (ab), Radiology 1989; **172:** 888
Boavida JE See **Santos E**
Boazi M See **Feinstein-Jaffe I**
Bober SE See **Gould ES**
Bobman SA; Atlas SW; Listerud J; Grossman RI: postoperative lumbar spine: contrast-enhanced chemical shift MR imaging, Radiology 1991; **179:** 557
Boccaleri CA See **Meli FJ**
Bocchini T See **Williams W**
Bocchini T; Williams W; Patton D: radioscintigraphic demonstration of unsuspected urine extravasation, Clin Nucl Med 1989; **14:** 421
Boccolini MR See **Arduini D**
Boccon-Gibod L See **Chagnon S**
Böck JC; Barker BC; Federle MP; et al: iodinated contrast media effects on extravascular lung water, central blood volume, and cardiac output in humans, (ab), JVIR 1990; **1:** 141
Böck JC; Barker BC; Federle MP; et al: iodinated contrast media effects on extravascular lung water, central blood volume, and cardiac output in humans, Invest Radiol 1990; **25:** 938
Böcking A: cytological vs histological evaluation of percutaneous biopsies, Cardiovasc Intervent Radiol 1991; **14:** 5
Bockisch A See **Bendel P**
Bockisch A See **Grünwald F**
Bode H; Sauer M; Pringsheim W: diagnosis of brain death by transcranial Doppler sonography, (ab), Radiology 1989; **172:** 294
Bodeau GR: magnetic resonance imaging: basis for interpretation, Radiology 1989; **171:** 352
Bodell WJ See **Larson D**
Bodell WJ See **Phillips TL**
Boden SD; Davis DO; Dina TS; et al: abnormal magnetic-resonance scans of the lumbar spine in asymptomatic subjects: a prospective investigation, (ab), Radiology 1990; **176:** 885
Boden SD; McCowin PR; Davis DO; et al: abnormal magnetic resonance scans of the cervical spine in asymptomatic subjects: a prospective investigation, (ab), Radiology 1991; **179:** 296
Bodenhausen G See **Emsley L**
Bodenheimer MM See **Herman PG**
Bodewes HW; Puylaert JBCM: ultrasound in detection of portal venous gas in adults, Gastrointest Radiol 1991; **16:** 35
Bodian C See **Sugita A**
Bodley RN See **Todd BD**
Bodó K See **Dám AM**
Body G; Darnis E; Pourcelot D; et al: choroid plexus tumors: antenatal diagnosis and follow-up, JCU 1990; **18:** 575
Boechat MI; Kangarloo H: MR imaging of the abdomen in children, AJR 1989; **152:** 1245
Boeckstyns M See **Duus BR**
Boehm F See **Jeanty P**
Boehmer JP; Metz KR; Mao J; et al: spatial mapping of ^{23}Na NMR signals by two-dimensional rotating frame imaging, Magn Res Med 1990; **16:** 335
Boeryd B See **Enlund A**
Boes JL See **Pipe JG**
Boesch C See **Gruetter R**
Boesch C See **Kikinis R**
Boesch C See **Martin E**
Boesch C See **Stricker T**
Boesch C; Gruetter R; Martin E: temporal and spatial analysis of fields generated by eddy currents in superconducting magnets: optimization of corrections and quantitative characterization of magnet/gradient systems, Magn Res Med 1991; **20:** 268
Boesch C; Gruetter R; Martin E; Duc G; Wüthrich K: variations in the in vivo P-31 MR spectra of the developing human brain during postnatal life: work in progress, Radiology 1989; **172:** 197
Boesch C; Issakainen J; Kewitz G; et al: magnetic resonance imaging of the brain in congenital cytomegalovirus infection, Pediatr Radiol 1989; **19:** 91
Boesch C; Martin E: application of interlaced orientation slices in orthogonal planes for system characterization and as a basis for standardized brain sections in multiple-oblique positions, Magn Res Med 1990; **15:** 357
Boesen J See **Pakkenberg B**
Boesen J; Johnsen A; Helweg-Larsen S; et al: diagnostic value of spinal computer tomography in patients with intraspinal metastases causing complete block on myelography, Acta Radiol 1991; **32:** 1
Boesiger P See **McKinnon GC**
Boesiger P See **Maier SE**

Bofinger MK See **Oestreich AE**
Bogan M See **Baker MK**
Bogan ML See **Kopecky KK**
Bogan ML; Conces DJ Jr: CT evaluation of esophageal perforation following endoscopic sclerotherapy, Comput Med Imag Graph 1989; **13:** 341
Bogan ML; Hawes RH; Kopecky KK; et al: percutaneous cholecystolithotomy with endoscopic lithotripsy by using a pulsed-dye laser: preliminary experience, AJR 1990; **155:** 781
Bogan ML; Kopecky KK; Kraft JL; Holladay AO; Filo RS; Leapman SB; Thomalla JV: needle biopsy of renal allografts: comparison of two techniques, Radiology 1990; **174:** 273
Bogard WC Jr; Dean RT; Deo Y; et al: practical considerations in the production, purification, and formulation of monoclonal antibodies for immunoscintigraphy and immunotherapy, Semin Nucl Med 1989; **19:** 202
Bogardus CR Jr: presidential address: the past is prologue, Int J Radiat Oncol Biol Phys 1991; **20:** 1171
Bogdan A See **Gibby WA**
Bogdan AR See **Lancaster L**
Bogdanov KY See **Zakharov SI**
Boggis CM See **Khan AN**
Boggis CRM See **Maxwell AJ**
Boggs SS See **Berk LB**
Bognanno JR See **Harris TM**
Bogomoletz WV See **Haot J**
Bogust GA See **Unger JM**
Bohan TP See **Byrd SE**
Bohdiewicz PJ; Lavallee DK; Fawwaz RA; et al: Mn (III) hematoporphyrin: a potential MR contrast agent, Invest Radiol 1990; **25:** 765
Bohl J See **Just M**
Böhler PJ See **Lyng H**
Bohlman ME See **Kronthal AJ**
Bohlman ME See **Sweren BS**
Bohm C See **Greitz T**
Bohman S-O See **Jennerholm S**
Böhm-Vélez M See **Bree RL**
Bohm-Velez M See **Freimanis MG**
Bohm-Velez M See **Mendelson EB**
Böhm-Vélez M; Mendelson EB: computed tomography, duplex Doppler ultrasound, and magnetic resonance imaging in evaluating the breast, Semin US CT MR 1989; **10:** 171
Bohm-Velez M; Mendelson EB; Freimanis MG: transvaginal sonography in evaluating ectopic pregnancy, Semin US CT MR 1990; **11:** 44
Bohn LE See **Tashjian J**
Bohndorf K See **Adam G**
Bohndorf K See **Benz-Bohm G**
Bohndorf K See **Gehl H-B**
Bohndorf K See **Günther RW**
Bohndorf K See **Neuerburg JM**
Bohndorf K; Benz-Bohm G; Gross-Fengels W; et al: MRI of the knee region in leukemic children: part I. initial pattern in patients with untreated disease, Pediatr Radiol 1990; **20:** 179
Bohndorf K; Günther RW: new catheter configuration for selective antegrade catheterization of the superficial femoral artery: technical note, Cardiovasc Intervent Radiol 1991; **14:** 129
Bohndorf K; Günther RW; Vorwerk D; et al: technical aspects and results of percutaneous transluminal angioplasty in Brescia-Cimino dialysis fistulas, Cardiovasc Intervent Radiol 1990; **13:** 323
Bohning D See **Lanzer P**
Bohning DE; Carter B; Liu S; et al: PC-based system for retrospective cardiac and respiratory gating of NMR data, Magn Res Med 1990; **16:** 303
Bohrer SP See **Chen YM**
Bohrer SP: advanced exercises in diagnostic radiology: no. 19, rheumatologic disorders, Radiology 1989; **170:** 426
Bohrer SP: easily missed fractures and corner signs in radiology, Radiology 1991; **181:** 842
Bohrer SP: Edeiken's roentgen diagnosis of diseases of bone. 4th ed, 2 vols, Radiology 1990; **177:** 82
Bohrer SP: "nonspecific gas pattern", Radiology 1989; **173:** 283
Bohrer SP; Chen YM; Sayers DG: cervical spine flexion patterns, Skeletal Radiol 1990; **19:** 521
Boice JD Jr; Morin MM; Glass AG; et al: diagnostic x-ray procedures and risk of leukemia, lymphoma, and multiple myeloma, (ab), Radiology 1991; **180:** 888
Boichis H See **Ben-Ami T**
Boileau MA See **Russell KJ**
Boiskin I; Sandler MP; Fleischer AC; et al: acute venous thrombosis after pancreas transplantation: diagnosis with duplex Doppler sonography and scintigraphy, AJR 1990; **154:** 529
Boisserie-Lacroix M; Bouin H; Joullie M; et al: value of MRI in the study of spinal extradural arachnoid cysts, Comput Med Imag Graph 1990; **14:** 221
Bois-Svensson I See **Müller-Suur R**
Boisvert J See **Garel L**
Boix J See **Planas R**
Boker SM; Cullen GM; Swank M; et al: case report 593, Skeletal Radiol 1990; **19:** 77
Bolander ME; Gardiner J; Coyle J; et al: detection and measurement of simulated early rheumatoid lesions of the hand using digital subtraction radiography, Invest Radiol 1990; **25:** 708
Bolas NM See **Moorcraft J**
Bolch WE See **Akabani G**
Boldes R See **Itskovitz J**
Boldt D See **John PR**
Boldt DW See **Fredericks BJ**
Bolen JW Jr; Lipper MH; Caccamo D: intraventricular central neurocytoma: CT and MR findings, JCAT 1989; **13:** 495
Boles M See **Kennedy WL**
Bolger WE; Woodruff W; Parsons DS: CT demonstration of pneumatization of the uncinate process, AJNR 1990; **11:** 552
Bolia A; Miles KA; Brennan J; et al: percutaneous transluminal angioplasty of occlusions of the femoral and popliteal arteries by subintimal dissection, Cardiovasc Intervent Radiol 1990; **13:** 357
Bolick D See **Cohan RH**
Bolinger L See **Shinnar M**
Bolla K See **Dillon WP**
Bollinger B; Lorentzen T: torsion of a wandering spleen: ultrasonographic findings, JCU 1990; **18:** 510
Bollinger R See **McCann RL**
Bollinger RR See **Dunnick NR**
Bolman RM III See **Aafedt BC**
Bologna S See **Miller L**
Bolognese L See **Bongo AS**
Bolon S; Franzén L; Nilsson E; et al: carcinoma of the colon and rectum: tumors missed by radiologic examination in 61 patients, (ab), Radiology 1989; **170:** 287
Bolondi L; Li Bassi S; Gaiani S; et al: sonography of chronic pancreatitis, Radiol Clin North Am 1989; **27:** 815
Bolondi L; Li Bassi S; Gaiani S; Zironi G; Benzi G; Santi V; Barbara L: liver cirrhosis: changes of Doppler waveform of hepatic veins, Radiology 1991; **178:** 513
Bolondi L; Zironi G; Gaiani S; et al: sudden change in the sonographic appearance of a thyroid cyst after percutaneous aspiration, JCU 1989; **17:** 213
Bolster BD Jr; McVeigh ER; Zerhouni EA: myocardial tagging in polar coordinates with use of striped tags, Radiology 1990; **177:** 769
Bolte R See **Schunk JE**
Bolte RG See **Woodward GA**
Boltshauser E See **Zuerrer M**
Boltshauser E; Yalcinkaya C; Wichmann W; et al: MRI in Cockayne syndrome type I, Neuroradiol 1989; **31:** 276
Bolz K-D See **Kvaerness J**
Boman K See **Stendahl U**
Bomanji J; Glaholm J; Hungerford JL; et al: radioimmunoscintigraphy of orbital metastases from ovarian carcinoma, Clin Nucl Med 1990; **15:** 825
Bombelli L See **Zucali R**
Bombelli L; Genitoni V; Biasi S; et al: liver hemodynamic flow balance by image-directed Doppler ultrasound evaluation in normal subjects, JCU 1991; **19:** 257
Bomford A See **Axford JS**
Bona R See **Ginsberg JS**
Bonadonna G; Valagussa P: influence of clinical trials on current treatment strategy for Hodgkin's disease, Int J Radiat Oncol Biol Phys 1990; **19:** 209
Bonakdarpour A See **Jaffe JW**
Bonakdarpour A See **Mesgarzadeh M**
Bonakdarpour A See **Ross LV**
Bonalumi MG See **Damascelli B**
Bonar F See **Sissons HA**
Bonavina L See **Borsato N**
Bonche JP See **Favre B**
Bond JR; Charboneau JW; Stanson AW: Takayasu's arteritis: carotid duplex sonographic appearance, including color Doppler imaging, (ab), JVIR 1991; **2:** 410
Bond JR; Charboneau JW; Stanson AW: Takayasu's arteritis: carotid duplex sonographic appearance, including color Doppler imaging, J Ultrasound Med 1990; **9:** 625
Bond JR; Charboneau JW; Stanson AW: ultrasound case of the day, Radiographics 1990; **10:** 725
Bonderup O See **Mathiesen O**
Bondestam S See **Kreula J**
Bondestam S See **Miettunen R**
Bondestam S See **Myllymäki T**
Bondestam S See **Pietilä JA**
Bondestam S See **Taavitsainen M**
Bondestam S; Kreula J: needle tip echogenicity: a study with real time ultrasound, Invest Radiol 1989; **24:** 555
Bondestam S; Salo JA; Salonen OLM; et al: imaging of congenital esophageal cysts in adults, Gastrointest Radiol 1990; **15:** 279
Bone D See **Dale S**
Bone D See **Svane B**
Bonetti F See **Pea M**
Bonfiglio M; Landas S: case report 640, Skeletal Radiol 1990; **19:** 599
Bonfils-Roberts EA; Nickodem A; Nealon TF Jr: retrospective analysis of the efficacy of open lung biopsy in acquired immunodeficiency syndrome, (ab), Radiology 1990; **176:** 588
Bongartz G See **Erlemann R**
Bongartz GP See **Reiser MF**
Bongiorni P See **Nath R**
Bongo AS; Bolognese L; Sarasso G; et al: early assessment of coronary artery bypass graft patency by high-dose dipyridamole echocardiography, (ab), Radiology 1991; **180:** 589
Boniface GR; Izard ME; Walker KZ; et al: labeling of monoclonal antibodies with samarium-153 for combined radioimmunoscintigraphy and radioimmunotherapy, J Nucl Med 1989; **30:** 683
Bonikowski FW See **Timmons JH**
Bonilla-Musoles F; Pardo G; Perez-Gil M; et al: abdominal ultrasonography versus transvaginal scanning: accuracy in follicular development evaluation and prediction for oocyte retrieval in stimulated cycles, JCU 1989; **17:** 469
Bonilla .Musoles F; Pardo G; Simon C: how accurate is ultrasonography in monitoring IUD placement?, JCU 1990; **18:** 395
Bonitatibus M See **Revesz G**
Bonke B; Koudstaal PJ; Dijkstra G; et al: detection of lacunar infarction in brain CT-scans: no evidence of bias from accompanying patient information, Neuroradiol 1989; **31:** 170
Bonmati C See **Goodman P**
Bonn J See **Kashdan BJ**
Bonn J See **Rosato FE**
Bonn J See **Sullivan KL**
Bonn J: clinical utility of laser recanalization in occluded peripheral arteries, Radiology 1991; **178:** 323
Bonn J; Gardiner GA Jr; Shapiro MJ; Sullivan KL; Levin DC: Palmaz vascular stent: initial clinical experience, Radiology 1990; **174:** 741
Bonnay M See **Lespinasse F**
Bonnel DH See **Cornud FE**
Bonnel DH; Liguory CE; Cornud FE; Lefebvre J-FP: common bile duct and intrahepatic stones: results of transhepatic electrohydraulic lithotripsy in 50 patients, Radiology 1991; **180:** 345
Bonnemain B; Meyer D; Schaefer M; et al: new iodinated, low-osmolar contrast media: a revised concept of hydrophilicity, Invest Radiol 1990; **25:** S104
Bonner FM See **Kulkarni MV**
Bonner JA; Lawrence TS: protection of doxorubicin cytotoxicity by cycloheximide, Int J Radiat Oncol Biol Phys 1989; **16:** 1209
Bonner RF See **Douek PC**
Bonnet J See **Delannes M**
Bonnett DE See **Blake SW**
Bonneville JF See **Dietemann JL**
Bonneville JF; Cattin F; Racle A; et al: dynamic CT of the laterosellar extradural venous spaces, AJNR 1989; **10:** 535
Bonneville JF; Runge M; Cattin F; et al: extraforaminal lumbar disc herniations: CT demonstration of Sharpey's fibers avulsion, Neuroradiol 1989; **31:** 71
Bonnin A See **Soffer M**
Bonnyman J See **Baldas J**
Bonomi P; Gale M; Rowland K; et al: pre-treatment prognostic factors in stage III non-small cell lung cancer patients receiving combined modality treatment, Int J Radiat Oncol Biol Phys 1991; **20:** 247
Bonora E See **Lancaster JL**
Bonow RO See **Bacharach SL**
Bonow RO See **Dilsizian V**
Bonow RO See **Pace L**
Bonow RO; Dilsizian V: thallium 201 for assessment of myocardial viability, Semin Nucl Med 1991; **21:** 230
Bonser RS; Fragomeni LS; Jamieson SW: heart-lung transplantation, Invest Radiol 1989; **24:** 310
Bonsor G See **Fowler RC**
Bonte FJ See **Fleckenstein JL**
Bonte FJ; Devous MD Sr; Reisch JS; et al: effect of acetazolamide on regional cerebral blood flow in patients with Alzheimer's disease or stroke as measured by single-photon emission computed tomography, Invest Radiol 1989; **24:** 99
Bonte FJ; Hom J; Tintner R; et al: single photon tomography in Alzheimer's disease and the dementias, Semin Nucl Med 1990; **20:** 342

Bontozoglou NP; Chakeres DW; Martin GF; Brogan MA; McGhee RB: cerebellorubral degeneration after resection of cerebellar dentate nucleus neoplasms: evaluation with MR imaging, Radiology 1991; **180:** 223
Bookstein FL See Ellis JH
Bookstein FL See Remer EM
Bookstein JJ See Fellmeth BD
Bookstein JJ See Lang EV
Bookstein JJ See Valji K
Bookstein JJ: impotence: diagnosis and treatment, (ab), Radiology 1991; **181:** 911
Bookstein JJ: ioxaglate: contraindicated for penile cavernosography?: reply, Radiology 1990; **174:** 286
Bookstein JJ; Fellmeth B; Roberts A; et al: pulsed-spray pharmacomechanical thrombolysis: preliminary clinical results, AJR 1989; **152:** 1097
Bookstein JJ; Lurie AL: selective penile venography: anatomical and hemodynamic observations, (ab), Radiology 1989; **170:** 585
Bookstein JJ; Vandeberg J; Machado T: cavernosal acetylcholine/papaverine response: a practical in vivo method for quantification of endothelium-dependent relaxation: rationale and experimental validation, Invest Radiol 1990; **25:** 1168
Boone JM See Gross GW
Boone JM: color mammography: image generation and receiver operating characteristic evaluation, Invest Radiol 1991; **26:** 521
Boone JM; Gross GW; Greco-Hunt V: neural networks in radiologic diagnosis: I. introduction and illustration, Invest Radiol 1990; **25:** 1012
Boone JM; Levin DC: radiation exposure to angiographers under different fluoroscopic imaging conditions, Radiology 1991; **180:** 861
Boorstein JM See Dalinka MK
Booth A See Allison DJ
Booth A; Dieppe PA; Goddard PL; et al: radiological manifestations of relapsing polychondritis, Clin Radiol 1989; **40:** 147
Booth AJ; Tweed CS: case report: fatal pulmonary embolism due to osteogenic sarcoma in a child, Clin Radiol 1989; **40:** 533
Booth RE Jr See Foley M
Boothby JW See Ling CC
Boothroyd AE; Dixon PJ; Christmas TJ; et al: ultrasound cystodynamogram—a new radiological technique, Br J Radiol 1990; **63:** 331
Boothroyd AE; Sebag G; Brunelle F: MR appearances of bone marrow in children following bone marrow transplantation, Pediatr Radiol 1991; **21:** 291
Boothroyd AE; Shaw DG; Fixsen JA: puzzling intrauterine insults, Skeletal Radiol 1989; **18:** 457
Bor MV; Guit GL; Schreuder AM; et al: early detection of delayed myelination in preterm infants, (ab), Radiology 1990; **174:** 903
Borah B; Szeverenyi NM: quantification of fluid changes in rat ieg joints with adjuvant arthritis by a one-dimensional magnetic resonance imaging experiment, Magn Res Med 1990; **15:** 246
Borchert RD See Heironimus JD
Borders J; Kerr E; Sartoris DJ; Stein JA; Ramos E; Moscona AA; Resnick D: quantitative dual-energy radiographic absorptiometry of the lumbar spine: in vivo comparison with dual-photon absorptiometry, Radiology 1989; **170:** 129
Boren WL See Jones KM
Boren WL; Hunter TB; Bjelland JC; et al: comparison of breast consistency at palpation with breast density at mammography, Invest Radiol 1990; **25:** 1010
Borenstein MS See Gugliada K
Borenstein ZCF; Mink J; Oppenheim W; et al: case report 655, Skeletal Radiol 1991; **20:** 134
Borer JS See Green MV
Borg Å See Fernö M
Borg Å; Fernö M; Idvall I: estrogen receptor enzyme immunoassay in fine-needle aspirates from human breast cancer, Acta Oncol 1989; **28:** 187
Borge L See Abrahamsen AF
Borge MA; Clark RL: decompression of acute urinary tract obstruction by extravasation into a large simple renal cyst, Urol Radiol 1990; **12:** 151
Borger F; Rosenberg I; Vijayakumar S; et al: anterior appositional electron field technique with a hanging lens block inorbital radiotherapy: a dosimetric study, Int J Radiat Oncol Biol Phys 1991; **21:** 795
Borges-Neto S; Coleman RE; Jones RH: perfusion and function at rest and treadmill exercise using technetium-99m-aestamibi: comparison of one- and two-day protocols in normal volunteers, J Nucl Med 1990; **31:** 1128
Borges-Neto S; Coleman RE; Potts JM; et al: combined exercise radionuclide angiocardiography and single photon emission computed tomography perfusion studies for assessment of coronary artery disease, Semin Nucl Med 1991; **21:** 223
Borgstein B-J; Koster PA; Portegies P; et al: myelography in patients with acquired immuno deficiency syndrome: indications and results, Neuroradiol 1989; **31:** 326
Borgstein RL; Moran B; Davison LM: case report: characteristic ultrasonographic appearance of a large renal oncocytoma, Clin Radiol 1991; **43:** 426
Borgstein RL; Moxon RA; Hately W; et al: preliminary experience with the Berger neurobiopsy device for ultrasound guided aspiration and biopsy of intracranial lesions, Clin Radiol 1991; **44:** 98
Borgstein RL; Shaw JJ; Pearson RH: uterine leiomyomata: sonographic mimicry, Br J Radiol 1989; **62:** 1019
Borgström PS; Ekberg O: peristalsis in pharyngeal constrictor musculature in relation to positioning and gravity, Acta Radiol 1989; **30:** 183
Boriani S See Rossi C
Boričić I See Srejić R
Boris P See Rasmussen OS
Börjesson J See Jonson B
Börjesson J See Månsson L-G
Borkowski GP See Whitman GJ
Borlaza GS See Lee F Jr
Borne JA See Murayama S
Börner W See Becker W
Bornhausen M See Geist BJ
Bornman PC See Beningfield SJ
Bornstein BA; Cheng CW; Rhodes LM; et al: can simulation measurements be used to predict the irradiated lung volume in the tangential fields in patients treated for breast cancer?, Int J Radiat Oncol Biol Phys 1990; **18:** 181
Bornstein BA; Recht A; Connolly JL; et al: results of treating ductal carcinoma in situ of the breast with conservative surgery and radiation therapy, (ab), Radiology 1991; **179:** 885
Borofsky MA See Leventhal LJ
Borrego JC See Banerian KG
Borrelli MJ; Thompson LL; Cain CA; et al: time-temperature analysis of cell killing of BHK cells heated at temperatures in the range of 43.5°C to 57.0°C, Int J Radiat Oncol Biol Phys 1990; **19:** 389
Borrello JA; Chenevert TL; Aisen AM: regional phase correction of inversion-recovery MR images, Magn Res Med 1990; **14:** 56
Borsato N; Bonavina L; Zanco P; et al: proposal of a modified scintigraphic method to evaluate duodenogastroesophageal reflux, J Nucl Med 1991; **32:** 436
Børseth A See Rinck PA
Borsje K See Beijerinck D
Borst P: genetic mechanisms of drug resistance: a review, Acta Oncol 1991; **30:** 87
Bortolotti U; Faggian G; Mazzucco A; et al: right atrial myxoma originating from the inferior vena cava, (ab), Radiology 1991; **178:** 898
Bortolotto P See Maffessanti M
Bortone E See Piazza P
Borts FT See Masucci EF
Borulf S See Bäith L
Borushok KF; Jeffrey RB Jr; Laing FC; et al: sonographic diagnosis of perforation in patients with acute appendicitis, AJR 1990; **154:** 275
Bory JL See Pierro JA
Bosanko CM See Chan K
Bosanko CM; Baum JK; Clark K; et al: optical spectroscopy (INVOS) is unreliable in detecting breast cancer, AJR 1990; **155:** 43
Bosanko CMM; Korobkin M; Fantone JC; et al: lobar primary pulmonary lymphoma: CT findings, JCAT 1991; **15:** 679
Bosch HA See Datoc PD
Bose AK See Verma BS
Boska MD See Karczmar GS
Boska MD See Meyerhoff DJ
Boska MD; Hubesch B; Meyerhoff DJ; et al: comparison of ^{31}P MRS and ^{1}H MRI at 1.5 and 2.0 T, Magn Res Med 1990; **13:** 228
Bosken CH See Silver SF
Bosl GJ See Panicek DM
Bosman G; Reuss A; Nijman JM; et al: prenatal diagnosis, management and outcome of fetal uretero-pelvic junction obstruction, Ultrasound Med Biol 1991; **17:** 117
Bosmans H See Marchal G
Bosniak MA See Birnbaum BA
Bosniak MA See Lubat E
Bosniak MA See Rofsky NM
Bosniak MA See Smith SJ
Bosniak MA: differentiating between benign and malignant cystic lesions of the kidney, (ab), Radiology 1991; **181:** 293
Bosniak MA: difficulties in classifying cystic lesions of the kidney, Urol Radiol 1991; **13:** 91
Bosniak MA: management of the small (≤1.5 cm) renal parenchymal tumor, Radiology 1991; **181:** 288
Bosniak MA: small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Radiology 1991; **179:** 307
Bosniak MA: spontaneous subcapsular and perirenal hematomas, Radiology 1989; **172:** 601
Bosniak MA; Megibow AJ; Raghavendra BN; Hulnick DH; Horii SC; Smith SJ: renal cell carcinoma: earlier discovery and increased detection: reply, Radiology 1990; **174:** 280
Bossard D See Mazoyer J-F
Bosse A See Erlemann R
Bosse MJ; Poka A; Reinert CM; et al: heterotopic ossification as a complication of acetabular fracture: prophylaxis with low-dose irradiation, (ab), Radiology 1989; **171:** 590
Bosser V; Dietemann JL; Warter JM; et al: L5 radicular pain related to lumbar extradural gas-containing pseudocyst: role of CT-guided aspiration, Neuroradiol 1990; **31:** 552
Bossuyt A See De Geeter F
Bossuyt A; Morgan GF; Deblaton M; et al: technetium-99m-MRP20, a potential brain perfusion agent: in vivo biodistribution and SPECT studies in normal male volunteers, J Nucl Med 1991; **32:** 399
Boswell WD Jr See Colletti PM
Boswell WD Jr See Zweizig S
Botet JF See Sanders LM
Botet JF; Lightdale CJ: endoscopic sonography of the upper gastrointestinal tract, AJR 1991; **156:** 63
Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Urmacher C; Brennan MF: preoperative staging of esophageal cancer: comparison of endoscopic US and dynamic CT, Radiology 1991; **181:** 419
Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Winawer SJ; Urmacher C; Brennan MF: preoperative staging of gastric cancer: comparison of endoscopic US and dynamic CT, Radiology 1991; **181:** 426
Botschek A See Krasny R
Böttcher G See Sundler F
Böttcher U See Norris DG
Botties K See Townsend RR
Bottomley PA See Hardy CJ
Bottomley PA: human in vivo NMR spectroscopy in diagnostic medicine: clinical tool or research probe?, Radiology 1989; **170:** 1
Bottomley PA: trouble with spectroscopy papers, Radiology 1991; **181:** 344
Bottomley PA; Hardy CJ; Cousins JP; Armstrong M; Wagle WA: AIDS dementia complex: brain high-energy phosphate metabolite deficits, Radiology 1990; **176:** 407
Bottomley PA; Hardy CJ; Roemer PB: phosphate metabolite imaging and concentration measurements in human heart by nuclear magnetic resonance, Magn Res Med 1990; **14:** 425
Bottomley PA; Hardy CJ; Roemer PB; et al: proton-decoupled, Overhauser-enhanced, spatially localized carbon-13 spectroscopy in humans, Magn Res Med 1989; **12:** 348
Bottomley PA; Weiss RG; Hardy CJ; Baumgartner WA: myocardial high-energy phosphate metabolism and allograft rejecton in patients with heart transplants, Radiology 1991; **181:** 67
Botvinick EH See Dae MW
Botvinick EH; Dae MW: dipyridamole perfusion scintigraphy, Semin Nucl Med 1991; **21:** 242
Bouachour G; Varache N; Szapiro N; et al: noncardiogenic pulmonary edema resulting from intravascular administration of contrast material, AJR 1991; **157:** 255
Boucek MM; Webster HE; Ormond GS; et al: balloon pulmonary valvotomy: palliation for cyanotic heart disease, (ab), Radiology 1989; **170:** 290
Bouchard A; Doyle M; Wolkowicz PE; et al: visualization of altered myocardial lipids by ^{1}H NMR chemical-shift imaging following ischemic insult, Magn Res Med 1991; **17:** 379
Boucher A See Lette J
Boudreau RJ See duCret RP
Boudreau RJ See Kuni CC
Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR: perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Radiology 1990; **175:** 103
Bougnoux P See Calais G
Bouin H See Boisserie-Lacroix M
Boulassa H See Rousseau HP
Boukobza M See Girardot C
Boulanger T; Mathurin P; Dooms G; et al: sphenopharyngeal meningoencephalocele: unusual clinical and radiologic features, AJNR 1989; **10:** S80
Boulanger Y See Ammann H
Boulanger Y; Vinay P: NMR visibility of ^{39}K and ^{35}Cl in erythrocytes and kidney tubules, Magn Res Med 1990; **16:** 246

Boulden TF See **Brooks MT**
Boulden TF See **Burton EM**
Boulden TF See **Hanna SL**
Boulden TF See **Magill HL**
Boulden TF See **Seidel FG**
Boulden TF See **Tonkin ILD**
Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT: pediatric case of the day, Radiographics 1990; **10:** 119
Bouldin TW See **Gaisie G**
Boulos RS See **Quint DJ**
Boultbee JE See **Long MG**
Boulware SD See **Abrahams JJ**
Bounameaux H See **Schneider P-A**
Bounassi MJ See **Sridhar KS**
Bound LM See **Pollack MS**
Bourbeau J; Ernst P; Chrome J; et al: relationship between respiratory impairment and asbestos-related pleural abnormality in an active work force, (ab), Radiology 1991; **179:** 293
Bourdillon PDV See **Lundgren C**
Bourgeois D See **Décorps M**
Bourgeois D; Decorps M; Remy C; et al: high-flux signals and spatial localization in high-resolution ^{1}H spectroscopy with surface coils, Magn Res Med 1989; **11:** 275
Bourgeois DJ; Nolan R; Brown P: computed tomography of ruptured aneurysm of the profunda femoris artery, Clin Imag 1990; **14:** 228
Bourgouin PM See **Oestmann JW**
Bourgouin PM; McLoud TC; Fitzgibbon JF; et al: differentiation of bronchogenic carcinoma from postobstructive pneumonitis by magnetic resonance imaging: histopathologic correlation, J Thorac Imag 1991; **6-2:** 22
Bourguignon M See **Richalet JP**
Bourguignon MH See **Valette HB**
Bourhis J See **Girinski T**
Bourhis J See **Lusinchi A**
Bourland JD See **Sailer SL**
Bourland JD See **Sherouse GW**
Bourliere-Najean B; Panuel M; Guys JM; et al: spontaneous liver adenoma in a child, Pediatr Radiol 1989; **20:** 95
Bourne EE See **Yakes WF**
Bourquelot P See **Poulain F**
Boussin G See **Bachaud J-M**
Bouton S; Yang A; McCrindle BW; et al: differentiation of tumor from viable myocardium using cardiac tagging with MR imaging, JCAT 1991; **15:** 676
Bova FJ; Friedman WA: stereotactic angiography: an inadequate database for radiosurgery?, Int J Radiat Oncol Biol Phys 1991; **20:** 891
Bova JG: current status of biliary lithotripsy: a survey of members of the Society of Gastrointestinal Radiologists, AJR 1989; **153:** 291
Bove EL See **Hernandez RJ**
Bove K See **Maves CK**
Bove KE See **Hedlund GL**
Bovée WMMJ See **de Graaf AA**
Bow SN See **Warshawsky R**
Bowald S See **Karacagil S**
Bowen A See **Haddon MJ**
Bowen A See **Haller JO**
Bowen A: not density! are you dense?, Radiology 1990; **176:** 582
Bowen A; Keslar PJ; Newman B; Hashida Y: adrenal hemorrhage after liver transplantation, Radiology 1990; **176:** 85
Bowen BC; Barker WW; Loewenstein DA; et al: MR signal abnormalities in memory disorder and dementia, AJNR 1990; **11:** 283
Bowen BC; Barker WW; Loewenstein DA; et al: MR signal abnormalities in memory disorder and dementia, AJR 1990; **154:** 1285
Bowen JR See **Mandell GA**
Bowen R See **Thompson WR**
Bower BL; Keyser CK; Gilula LA: rigid subtalar joint—a radiographic spectrum, Skeletal Radiol 1989; **17:** 583
Bower BL; Picus D; Hicks ME; Darcy MD; Rollins ES; Kleinhoffer MA; Weyman PJ: choledochoscopic stone removal through a T-tube tract: experience in 75 consecutive patients, JVIR 1990; **1:** 107
Bower RJ See **Tack ED**
Bowerman RA See **Hulett RL**
Bowers RP See **Choi SK**
Bowie JD See **Carson SC**
Bowie JD See **Distell BM**
Bowie JD See **Genkins SM**
Bowie JD See **Grist TM**
Bowie JD See **Hertzberg BS**
Bowie JD See **Kachalia P**
Bowie JD See **Karis JP**
Bowie JD See **Kay HH**
Bowie JD See **Kliewer MA**
Bowie JD See **Weber TM**
Bowler J See **Cole S**
Bowles CR See **Ginsburg R**
Bowles WT See **Landes AB**
Bowman LM See **Sivit CJ**
Bowman ME See **Wilson DA**
Bowsher JE; Floyd CE Jr: treatment of Compton scattering in maximum-likelihood, expectation-maximization reconstruction of SPECT images, J Nucl Med 1991; **32:** 1285
Bowtell R; Mansfield P: gradient coil design using active magnetic screening, Magn Res Med 1991; **17:** 15
Bowton DL; Bass DA: community-acquired pneumonia: the clinical dilemma, J Thorac Imag 1991; **6-3:** 1
Bowyer JJ; Sheppard M: capillary haemangioma presenting as a lung pseudocyst, (ab), Radiology 1991; **181:** 296
Boxen I See **Scatarige JC**
Boxen I; Zhang ZM: deposition of radioaerosol throughout the major airways in tracheobronchitis, Clin Nucl Med 1990; **15:** 703
Boxen I; Zhang ZM: nasal secretion of iodine-131, Clin Nucl Med 1990; **15:** 610
Boxen I; Zhang ZM; Filler RM: lymphoscintigraphy for cystic hygroma, J Nucl Med 1990; **31:** 516
Boxer DI; Todd CEC; Coleman R; et al: bone secondaries in breast cancer: the solitary metastasis, J Nucl Med 1989; **30:** 1318
Boxt LM; Katz J: effects of drugs on the radiographic appearance of the heart, J Thorac Imag 1991; **6-1:** 76
Boyacioglu S See **Ateş KB**
Boyars MC: microbiology, chemotherapy, and surgical treatment of tuberculosis, J Thorac Imag 1990; **5-2:** 1
Boyce JG See **Camilien LD**
Boyd CM See **Angtuaco TL**
Boyd CM See **Navab F**
Boyd CM See **Williamson MR**
Boyd CM; Williamson MR: technetium-99m RBC bleeding images in normal subjects: confusion with gastrointestinal bleeding sites, Clin Nucl Med 1989; **14:** 202
Boyer AL See **Hogstrom KR**
Boyer AL See **Mills MD**
Boyer AL See **Nyerick CE**
Boyer RS See **Barkovich AJ**
Boyer S See **Swartz HM**
Boyko O See **Bass J**
Boyko OB See **Curnes JT**
Boyko OB See **Doraiswamy PM**
Boyko OB See **Pascuzzi RM**
Boyko OB See **Rippe DJ**
Boyko OB See **Ugalietta JP**
Boyko OB See **Wiener MD**
Boyko OB; Cooper DF; Grossman CB: contrast-enhanced CT of acute isodense subdural hematoma, AJNR 1991; **12:** 341
Boyko OB; Curnes JT; Oakes WJ; et al: hamartomas of the tuber cinereum: CT, MR, and pathologic findings, AJNR 1991; **12:** 309
Boyko OB; Curnes JT; Oakes WJ; et al: hamartomas of the tuber cinereum: CT, MR, and pathologic findings, AJR 1991; **156:** 1053
Boyko OB; Edelman RR; Litt AW: MR angiography of the carotid arteries: clinical applications, (ab), Radiology 1991; **181:** 613
Boyko OB; Rippe DJ: CT and pathologic correlation of Tc-99m medronate splenic uptake in metastatic breast carcinoma, Comput Med Imag Graph 1991; **15:** 23
Boyle ET Jr See **Castillo OA**
Boysen M See **Aspestrand F**
Boysen M See **Vermund H**
Bozadjian EM See **Mandle CL**
Bozzao A See **Gallucci M**
Bozzao L; Bastianello S; Fantozzi LM; et al: correlation of angiographic and sequential CT findings in patients with evolving cerebral infarction, AJNR 1989; **10:** 1215
Braakman R See **Kardaun JWPF**
Brabrand K See **Karstrup S**
Bracard S See **Barat J-L**
Bracard S See **Grignon B**
Bracard S See **Picard L**
Bracard S; Picard L; Marchal JC; et al: role of angioplasty in the treatment of symptomatic vascular spasm occuring in the post-operative course of intracranial ruptured aneurysms, J Neuroradiol 1990; **17:** 6
Bracard S; Thomas E; Braun M; et al: cervical cord compression in scleroderma: one case, J Neuroradiol 1991; **18:** 12
Brachimi L See **Bacha L**
Brachimi L See **Kozlowski K**
Bracke PG; Degryse HR; Goovaerts GC; et al: polypoid hamartoma of the jejunum, Gastrointest Radiol 1991; **16:** 113
Brackmann DE See **Lo WWM**
Brada M See **Vanuytsel L**
Brada M; Dearnaley D; Horwich A; et al: management of primary cerebral lymphoma with initial chemotherapy: preliminary results and comparison with patients treated with radiotherapy alone, Int J Radiat Oncol Biol Phys 1990; **18:** 787
Brada M; Rowley M; Grant DJ; et al: hypercalcaemia in patients with disseminated breast cancer, Acta Oncol 1990; **29:** 577
Bradac GB; Riva A; Mortara P; et al: primary progressive cerebellar ataxia, Neuroradiol 1989; **31:** 16
Bradac GB; Riva A; Stura G; et al: spontaneous ICA dissection presenting with 12th nerve palsy: clinical and radiological considerations, J Neuroradiol 1989; **16:** 197
Bradbury EM See **Dimand RJ**
Braden G See **Campfield T**
Braden GA; Knapp HR; Fitzgerald DJ; et al: dietary fish oil accelerates the response to coronary thrombolysis with tissue-type plasminogen activator: evidence for a modest platelet inhibitory effect in vivo, (ab), JVIR 1990; **1:** 138
Braden GL; Kozinn DR; Hampf FE Jr; et al: ultrasound diagnosis of early renal papillary necrosis, J Ultrasound Med 1991; **10:** 401
Bradey N; Hayward JM: case report: bilateral lacrimal gland enlargement: an unusual manifestation of dacryops, Clin Radiol 1991; **43:** 280
Bradfield JJ See **Stryker JA**
Bradley C See **Llewelyn JG**
Bradley EL III; Murphy F; Ferguson C: prediction of pancreatic necrosis by dynamic pancreatography, (ab), Radiology 1990; **175:** 290
Bradley MJ; Metreweli C: ultrasound appearances of extramedullary haematopoiesis in the liver and spleen, Br J Radiol 1990; **63:** 816
Bradley MJ; Metreweli C: ultrasound in the diagnosis of the juxta-pleural lesion, Br J Radiol 1991; **64:** 330
Bradley MJ; Pilling D: empty rectum on plain x-ray. does it have any significance in the neonate?, Clin Radiol 1991; **43:** 265
Bradley MJ; Stewart I; Metreweli C: diagnosis of the peripheral cavernous haemangioma: comparison of ultrasound, CT and RBC scintigraphy, Clin Radiol 1991; **44:** 34
Bradley PJ See **Bissett D**
Bradley SA See **Davies AM**
Bradley SA; Davies AM: computed tomographic assessment of old calcaneal fractures, Br J Radiol 1990; **63:** 926
Bradley WG See **Jinkins JR**
Bradley WG See **Runge VM**
Bradley WG See **Whittemore AR**
Bradley WG Jr See **Burke JW**
Bradley WG Jr See **Clark RA**
Bradley WG Jr See **Davis SJ**
Bradley WG Jr See **Sze G**
Bradley WG Jr: MR of the brain stem: a practical approach, Radiology 1991; **179:** 319
Bradley WG Jr; Marshall VG: abnormal signal in deep white-matter infarction: reply, Radiology 1989; **170:** 280
Bradley WG Jr; Whittemore AR; Kortman KE; Watanabe AS; Homyak M; Teresi LM; Davis SJ: marked cerebrospinal fluid void: indicator of successful shunt in patients with suspected normal-pressure hydrocephalus, Radiology 1991; **178:** 459
Bradley WG Jr; Whittemore AR; Watanabe AS; et al: association of deep white matter infarction with chronic communicating hydrocephalus: implications regarding the possible origin of normal-pressure hydrocephalus, AJNR 1991; **12:** 31
Bradnock B See **Moss JG**
Bradrick JP See **Lieberman JM**
Bradrick JP; Smith AS; Ohman JC; et al: estimation of maxillary alveolar cleft volume by three-dimensional CT, JCAT 1990; **14:** 994
Bradshaw A See **Dawson P**
Bradshaw CR See **Buckland-Wright JC**
Bradshaw JF See **Alpert NM**
Brady AP; Ennis JT: scintigraphic detection of ossific mediastinal and pulmonary metastases in osteosarcoma, Br J Radiol 1990; **63:** 978
Brady AP; Stack JP; Ennis JT: case report: Moyamoya disease—imaging with magnetic resonance, Clin Radiol 1990; **42:** 138
Brady DE See **Aniskiewicz AS**
Brady HR See **Mulkern RV**
Brady HR See **Stromski ME**
Brady K See **Yancey MK**
Brady LW See **Campbell OR**
Brady LW See **Seegenschmiedt MH**
Brady T See **Castaneda F**
Brady TJ See **Lee AS**
Brady TJ See **Reimer P**
Brady TJ See **Senéterre E**
Brady TJ See **Shtern F**
Brady TJ See **Weissleder R**
Brady TM See **Bugaieski EM**
Braeuning MP; Park H-M: three-phase Tc-99m MDP scan findings of a soft tissue sarcoma, Clin Nucl Med 1990; **15:** 572
Braffman B See **Ragland RL**
Braffman BH See **Atlas SW**
Braffman BH; Bilaniuk LT; Zimmerman RA: MR of central nervous system neoplasia of the phakomatoses, Semin Roentgenol 1990; **25:** 198
Bragg DG: current applications of imaging procedures in the patient with lung cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 847

Bragg DG: imaging in primary-lung cancer: the roles of detection, staging, and follow-up, Semin US CT MR 1989; **10:** 453
Bragg DG; Osborn AG: CNS imaging of neoplasms, Int J Radiat Oncol Biol Phys 1991; **21:** 841
Brahimi L See Kozlowski K
Brahme A See Ågren A
Brahme A See Eklöf A
Brahme SK See Kang HS
Brahme SK; Cervilla V; Vint V; et al: magnetic resonance appearance of sacral insufficiency fractures, Skeletal Radiol 1990; **19:** 489
Brahme SK; Fox JM; Ferkel RD; Friedman MJ; Flannigan BD; Resnick DL: osteonecrosis of the knee after arthroscopic surgery: diagnosis with MR imaging, Radiology 1991; **178:** 851
Brakel K; Laméris JS; Nijs HGT; et al: value of ultrasound in predicting non-visualization of the gall-bladder on OCG: implications for imaging strategies in patient selection for non-surgical therapy of gallstones, Clin Radiol 1991; **43:** 186
Brakel K; Laméris JS; Nijs HGT; Terpstra OT; Steen G; Blijenberg BC: predicting gallstone composition with CT: in vivo and in vitro analysis, Radiology 1990; **174:** 337
Brakeman PR See Keltner JR
Braly PS See Lin MC
Braly PS See Wolf SI
Bramble JM See Caresio JF
Bramble JM See McMillan JH
Bramble JM See Murphey MD
Bramble JM: comparison of information-preserving and information-losing data-compression algorithms for CT images, Radiology 1989; **170:** 453
Bramble JM: hypermedia techniques for diagnostic imaging instruction, Radiology 1989; **173:** 878
Bramble JM; Chang CHJ; Martin NL: report-coding system for integration into a digital radiology department, AJR 1989; **152:** 1109
Bramble JM; Cook LT; Murphey MD; Martin NL; Anderson WH; Hensley KS: image data compression in magnification hand radiographs, Radiology 1989; **170:** 133
Bramble JM; Murphey MD: comparison of digital and conventional musculoskeletal radiography: observer performance study, Radiology 1990; **177:** 587
Brammer HM III; Buck JL; Hayes WS; Sheth S; Tavassoli FA: from the archives of the AFIP: malignant germ cell tumors of the ovary: radiologic-pathologic correlation, Radiographics 1990; **10:** 715
Brammer WM See Zinkin EB
Bramson RT: digital subtraction imaging in infants and children, Radiology 1990; **175:** 106
Bramson RT: imaging of the pediatric urinary tract, Radiology 1990; **175:** 386
Bramson RT: pediatric gastrointestinal imaging, Radiology 1990; **175:** 478
Brancato R See Pierro L
Branch CA; Helpern JA; Ewing JR; et al: ^{19}F NMR imaging of cerebral blood flow, Magn Res Med 1991; **20:** 151
Branch CL Jr See Elster AD
Branch HM See Redd RA
Brancos MA See Miro JM
Brand JW: dental radiographic diagnosis, Radiology 1989; **172:** 758
Brand JW; Whinery JG Jr; Anderson QN; et al: condylar position as a predictor of temporomandibular joint internal derangement, (ab), Radiology 1989; **173:** 589
Brand WN See Shevlin BE
Brandau W See Bubeck B
Brandenburg JH See Vermund H
Brander A; Kivisaari L: ultrasonography of the thyroid during pregnancy, JCU 1989; **17:** 403
Brander A; Viikinkoski P; Nickels J; Kivisaari L: thyroid gland: US screening in a random adult population, Radiology 1991; **181:** 683
Brander A; Viikinkoski P; Nickels J; Kivisaari L: thyroid gland: US screening in middle-aged women with no previous thyroid disease, Radiology 1989; **173:** 507
Brandes JM See Bronshtein M
Brandon C; Martel W; Weatherbee L; et al: case report 572, Skeletal Radiol 1989; **18:** 542
Brandon JC See Deutsch L-S
Brandon JC See Long CA
Brandon JC See Teplick SK
Brandon JC; Velez MA; Teplick SK; et al: laparoscopic cholecystectomy: evolution, early results, and impact on nonsurgical gallstone therapies, AJR 1991; **157:** 235
Brandone H See Kurtz JM
Brands PJ See Hoeks APG
Brandschwei FH See Kolodinsky SD
Brandt D; Muramatsu Y; Ushio K; Mizuguchi Y; Itabashi M; Yoshida S; Moriyama N; Nawano S; Ishikawa T; Yamada T; Hirota T; Maruyama K: synchronous early gastric cancer, Radiology 1989; **173:** 649
Brandt DJ See Margulis AR
Brandt J See Starkstein SE
Brandt KD See Braunstein EM
Brandt KD See Fife RS
Brandt KD See Kopecky KK
Brandt KD See Slowman-Kovacs SD
Brandt M See Garel L
Brandt M See Levin DP
Brandt ML See Vignault F
Brandt T See Grant TH
Brandt TD; Cardone BW; Grant TH; Post M; Weiss CA: rotator cuff sonography: a reassessment, Radiology 1989; **173:** 323
Brandwein M See Moran RE
Brandwein MS; Huvos AG: oncocytic tumors of major salivary glands: a study of 68 cases with follow-up of 44 patients, (ab), Radiology 1991; **181:** 912
Brann BS IV; Wofsy C; Papile L; et al: quantification of neonatal cerebral ventricular volume by real-time ultrasonography: in vivo validation of the cylindrical coordinate method, J Ultrasound Med 1990; **9:** 9
Brann BS IV; Wofsy C; Wicks J; et al: quantification of neonatal cerebral ventricular volume by real-time ultrasonography: derivation and in vitro confirmation of a mathematical model, J Ultrasound Med 1990; **9:** 1
Brannen GE See Bush WH
Brannigan TC See vanSonnenberg E
Brannon MH See Locksmith JP
Brans YW See Kazzi NJ
Brant TA; Parsons JT; Marcus RB Jr; et al: preoperative irradiation for soft tissue sarcomas of the trunk and extremities in adults, Int J Radiat Oncol Biol Phys 1990; **19:** 899
Brant WE See Knutzon RK
Brant WE See Stone EE
Brantley MJ See McDevitt GR Jr
Brantley MJ See Rapacki TFX
Brantley MJ See Timmons JH
Brantley SD See LeQuire MH
Brantley SD See Spies JB
Brant-Zawadzki M See Sze G
Brant-Zawadzki M: routine MR imaging of the internal carotid artery siphon: angiographic correlation with cervical carotid lesions, AJNR 1990; **11:** 467
Brant-Zawadzki M: routine MR imaging of the internal carotid artery siphon: angiographic correlation with cervical carotid lesions, AJR 1990; **155:** 359
Brant-Zawadzki M: university-based radiology departments, Radiology 1990; **174:** 575
Brant-Zawadzki MN See Hurwitz R
Brant-Zawadzki MN See Runge VM
Brant-Zawadzki MN See Sue DE
Brar HS; Horenstein J; Medearis AL; et al: cerebral, umbilical, and uterine resistance using Doppler velocimetry in postterm pregnancy, J Ultrasound Med 1989; **8:** 187
Brar HS; Platt LD: placental vascular resistance using umbilical velocimetry in patients undergoing cesarean section for fetal distress, J Ultrasound Med 1989; **8:** 211
Brasch RC See Aoki S
Brasch RC See Berthezene Y
Brasch RC See Godine LB
Brasch RC See Lynch DA
Brasch RC See Okada Y
Brasch RC See Ringertz HG
Brasch RC See Saeed M
Brasch RC See Schmiedl U
Brasch RC See Tien RD
Brasch RC See Wang S-c
Brasch RC; Moseley ME; Dupon J; et al: macromolecular magnetic resonance imaging contrast media: accumulated experience, Invest Radiol 1990; **25:** S51
Brasch RC; Wolf GL; Sze G; et al: gadolinium DTPA: properties and uses in MR imaging, (ab), Radiology 1989; **173:** 590
Brashear HR See Nance KV
Brassard A; Danais S; Lavigne JF; et al: caliceal outpouching: diagnosis by technetium-99m DTPA and DMSA renal scintigraphy, Clin Nucl Med 1989; **14:** 456
Brassard A; LeBel L; Laflamme L; et al: enormous abdominal hernia: technetium-99m labeled RBC study, Clin Nucl Med 1989; **14:** 774
Brassel F See Schulte T
Brassel F; Dettmers C; Nierhaus A; et al: intravascular technique to occlude the middle cerebral artery in baboons, Neuroradiol 1989; **31:** 418
Brass-Marlow EL See Waldow SM
Brateman L; Buckley K; Keim SG; et al: left ventricular regional wall motion assessment by radionuclide ventriculography: a comparison of cine display with Fourier imaging, J Nucl Med 1991; **32:** 777
Brateman LF See Akins EW
Braude P See Avni EF
Braude PR See Reed DH
Brauer M; Ling M: effects of chronic ethanol consumption on the intact rat liver studied by *in vivo* ^{31}P NMR spectroscopy, Magn Res Med 1991; **20:** 100
Brauer M; Towner RA; Renaud I; et al: *in vivo* proton nuclear magnetic resonance imaging and spectroscopy studies of halocarbon-induced liver damage, Magn Res Med 1989; **9:** 229
Braun IF See Jensen ME
Braun IF See Laine FJ
Braun IF See Nadel L
Braun IF: MRI of nasopharynx, Radiol Clin North Am 1989; **27:** 315
Braun J See Mandel H
Braun M See Bracard S
Braun M See Yan H
Braun MA; Killam DA; Remick SC; Ruckdeschel JC: lung cancer in patients seropositive for human immunodeficiency virus, Radiology 1990; **175:** 341
Braun SD See Dunnick NR
Braun SD See Rose SC
Braun T See Harinstein D
Brauner M; Buffard MD; Jeantils V; et al: sonography and computed tomography of macroscopic tuberculosis of the liver, JCU 1989; **17:** 563
Brauner MW See Grenier P
Brauner MW See Lenoir S
Brauner MW; Grenier P; Mompoint D; Lenoir S; de Crémoux H: pulmonary sarcoidosis: evaluation with high-resolution CT, Radiology 1989; **172:** 467
Brauner MW; Grenier P; Mouelhi MM; Mompoint D; Lenoir S: pulmonary histiocytosis X: evaluation with high-resolution CT, Radiology 1989; **172:** 255
Bräuner T See Brümmer F
Bräuner T; Brümmer F; Hülser DF: histopathology of shock wave treated tumor cell suspensions and multicell tumor spheroids, Ultrasound Med Biol 1989; **15:** 451
Bräunlich M See Sass W
Braunstein EM See Arvin M
Braunstein EM See Fife RS
Braunstein EM See Kopecky KK
Braunstein EM See Moran C
Braunstein EM See Slowman-Kovacs SD
Braunstein EM See Swan JS
Braunstein EM; Brandt KD; Albrecht M: MRI demonstration of hypertrophic articular cartilage repair in osteoarthritis, Skeletal Radiol 1990; **19:** 335
Braunstein G See Ramanna L
Braunstein P See Applegate GR
Braver JM See Westmark KD
Braver JM; Clarke PD: cholecystoduodenal fistula with impending gallstone ileus, Invest Radiol 1990; **25:** 757
Braver JM; Do NK: inflammatory pseudotumor of the esophagus, Invest Radiol 1989; **24:** 246
Braverman DZ See Morali GA
Braverman JJ See Divon MY
Braverman RM; Lebowitz RL: occult ectopic ureter in girls with urinary incontinence: diagnosis by using CT, AJR 1991; **156:** 365
Braverman RM; Lipshultz SE; McCarten KM; Griscom NT: pediatric case of the day, Radiographics 1991; **11:** 932
Bravetti P See Ciatto S
Bravo EL See Goldfarb DA
Bravo S See Kaissar G
Bravo S See Sze G
Braw M See Jarlman O
Brawer MK: prostate specific antigen: a review, Acta Oncol 1991; **30:** 161
Bray PF See Call GK
Brayer JM See Jordan SW
Brayman AA See Miller MW
Brazenor G See Hicks RJ
Brazy JE See Savani RC
Breast Group of the Royal College of Radiologists: radiological nomenclature in benign breast change, Clin Radiol 1989; **40:** 374
Breathnach E See Lee MJ
Brechbiel MW See Khaw BA
Brechner RR See Singh M
Breckenridge JW; Schinfeld JS: technique for US-guided fallopian tube catheterization, Radiology 1991; **180:** 569
Bredenkamp J See Whyte AM
Bree RL See Bude R
Bree RL See Jafri SZH
Bree RL See Platt JF
Bree RL; Edwards M; Böhm-Vélez M; et al: transvaginal sonography in the evaluation of normal early pregnancy: correlation with HCG level, AJR 1989; **153:** 75
Bree RL; McGough MF; Schwab RE: CT or US-guided fine needle aspiration biopsy in gastric neoplasms, JCAT 1991; **15:** 565
Bree RL; Marn CS: transvaginal sonography in the first trimester: embryology, anatomy, and hCG correlation, Semin US CT MR 1990; **11:** 12
Bree RL; Schultz SR; Hayes R: large infiltrating renal transitional cell carcinomas: CT and ultrasound features, JCAT 1990; **14:** 381

Breed AL See **Burnstein MI**
Breedveld FC; van Kroonenburgh MJPG; Camps JAJ; et al: imaging of inflammatory arthritis with technetium-99m-labeled IgG, J Nucl Med 1989; **30:** 2017
Breeman WA See **Bakker WH**
Breen JF See **Guthaner DF**
Breen T See **Steinberg GG**
Breger RK See **Kienzle GD**
Breger RK; Rimm AA; Fischer ME; Papke RA; Haughton VM: T1 and T2 measurements on a 1.5-T commercial MR imager, Radiology 1989; **171:** 273
Breger RK; Williams AL; Daniels DL; et al: contrast enhancement in spinal MR imaging, AJNR 1989; **10:** 633
Breger RK; Yetkin FZ; Fischer ME; Papke RA; Haughton VM; Rimm AA: T1 and T2 in the cerebrum: correlation with age, gender, and demographic factors, Radiology 1991; **181:** 545
Bregg K; Riehle RA: morbidity associated with indwelling internal ureteral stents after shock wave lithotripsy, (ab), Radiology 1989; **173:** 291
Bregni M See **Gandola L**
Breidahl P See **Adler BD**
Breidahl PD See **Singer KP**
Breidahl WH; Khangure MS: case report: MRI diagnosis of congenital absence of the internal carotid artery, Clin Radiol 1990; **42:** 354
Breidahl WH; Khangure MS: MRI of lumbar and sacral plexus nerve sheath tumors, Australas Radiol 1991; **35:** 140
Breisblatt WM See **Kinn RM**
Breit R See **Russell EJ**
Breit R See **West MS**
Breiter N; Sassy T; Trott K-R: tetrachlorodecaoxygen anion complex treatment after localized X irradiation of the rat colon, Br J Radiol 1989; **62:** 381
Breiter N; Trott K-R; Sassy T: effect of X-irradiation on the stomach of the rat, Int J Radiat Oncol Biol Phys 1989; **17:** 779
Breittmayer F See **Soyer P**
Breitz HB See **Jacobson AF**
Brem H See **Steen RG**
Brem RF See **Carter HB**
Brem S See **Zagzag D**
Bremner CG See **Hinder RA**
Bremner JCM See **Wood PJ**
Brems J See **Singer J**
Brems-Dalgaard E; Just SL; Pedersen H: encapsulated epidural catheter: CT findings, Neuroradiol 1991; **33:** 81
Brenard R See **Hautekeete ML**
Brendel AJ; Jeandot R; Guyot M; et al: radionuclide therapy of pheochromocytomas and neuroblastomas using iodine-131 metaiodobenzylguanidine (MIBG), Clin Nucl Med 1989; **14:** 19
Brendel W See **Gambihler S**
Breneman JC; Elson HR; Little R; et al: technique for delivery of total body irradiation for bone marrow transplantation in adults and adolescents, Int J Radiat Oncol Biol Phys 1990; **18:** 1233
Brennan J See **Bolia A**
Brennan JF See **Rosen MP**
Brennan MF See **Botet JF**
Brennan MF See **Lieberman PH**
Brennan MF See **Panicek DM**
Brenner DJ; Amols HI: enhanced risk from low-energy screen–film mammography X rays, Br J Radiol 1989; **62:** 910
Brenner DJ; Hall EJ: conditions for the equivalence of continuous to pulsed low dose rate brachytherapy, Int J Radiat Oncol Biol Phys 1991; **20:** 181
Brenner DJ; Hall EJ: fractionated high dose rate *versus* low dose rate regimens for intracavitary brachytherapy of the cervix: I. general considerations based on radiobiology, Br J Radiol 1991; **64:** 133
Brenner DJ; Martel MK; Hall EJ: fractionated regimens for stereotactic radiotherapy of recurrent tumors in the brain, Int J Radiat Oncol Biol Phys 1991; **21:** 819
Brenner H See **Kutcher GJ**
Brenner J See **Brümmer F**
Brenner R See **Whitney RW**
Brenner RJ: medicolegal aspects of breast imaging: variable standards of care relating to different types of practice, AJR 1991; **156:** 719
Brenner RJ: medicolegal aspects of screening mammography, AJR 1989; **153:** 53
Brenner RJ; Sickles EA: acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Radiology 1989; **171:** 645
Brereton IM See **Crozier S**
Brereton IM See **Doddrell DM**
Brereton IM; Field J; Moxon LN; et al: water suppression with B, field gradient homospoil pulses in high-resolution NMR spectroscopy, Magn Res Med 1989; **9:** 118
Brereton IM; Rose SE; Galloway GJ; et al: *in vivo* volume-selective metabolite editing via correlated z-order, Magn Res Med 1990; **16:** 460
Brescia RJ See **Arrivé L**
Brescia RJ See **Barakos JA**
Bresina SJ See **Vannier MW**
Breslow N See **D'Angio GJ**
Bresnahan JF See **Holt GW**
Bret PM See **Atri M**
Bret PM See **Fraser-Hill MA**
Bret PM See **Levin DP**
Bret PM; Cordovez-Stanziola R; Atri M; et al: accuracy of ultrasound in counting and measuring gallstones, Gastrointest Radiol 1991; **16:** 315
Bretagne J-F See **Loréal O**
Bretagne J-F See **Raoul J-L**
Bretagne J-F; Heresbach D; Darnault P; et al: pseudoaneurysms and bleeding pseudocysts in chronic pancreatitis: radiological findings and contribution to diagnosis in 8 cases, Gastrointest Radiol 1990; **15:** 9
Breton E See **Didier D**
Breton G See **Lafortune M**
Bretthorst GL; Kotyk JJ; Ackerman JJH: ^{31}P NMR Bayesian spectral analysis of rat brain *in vivo*, Magn Res Med 1989; **9:** 282
Brewer DK See **Shaw DWW**
Brewer DK See **Weinberger E**
Brewer L See **Hartman C**
Brewer LA III See **Llaurado JG**
Brewer ML See **Ferrell WR**
Brewer NS See **Fedullo PF**
Brewer WH See **Conway WF**
Brewer WH See **Fulcher AS**
Brewster DC See **Durham JD**
Brewster DC; Cambria RP; Darling RC; et al: long-term results of combined iliac balloon angioplasty and distal surgical revascularization, (ab), Radiology 1990; **175:** 293
Brewster L See **Drzymala RE**
Brewster L See **Kutcher GJ**
Brewster L See **Shank B**
Brez A See **Angelini F**
Brezis M; Greenfeld Z; Herman M; et al: experimental nephrotoxicity of the radiocontrast agents iohexol, ioxaglate, and iothalamate: an in vitro and in vivo study, Invest Radiol 1991; **26:** 325
Breznock B See **Yen C-K**
Brezovich I See **Spencer SA**
Brezovich IA See **Meredith RF**
Brezovich IA; Meredith RF: practical aspects of ferromagnetic thermoseed hyperthermia, Radiol Clin North Am 1989; **27:** 589
Brichaux JC; Gense D; Greselle JF; et al: radioclinical problems raised by megalodolichobasilar artery: 17 cases and a review of the literature, J Neuroradiol 1989; **16:** 11
Bridges BA See **Plowman PN**
Brieger GH: who will write the history of radiology?, Invest Radiol 1989; **24:** 172
Brigden GS See **Wilkins RA**
Briggle TV See **Santos O**
Briggs JD See **Hollman AS**
Briguet A See **Lahrech H**
Brikman I See **Sheline ME**
Brill AB See **Kubota K**
Brill DR: disposal of low-level radioactive waste, Invest Radiol 1991; **26:** 94
Brill PW See **Jayagopal S**
Brill PW See **Langer LO Jr**
Brill PW See **Levin TL**
Brill PW See **Stern E**
Brill PW; Jagannath A; Winchester P; Markisz JA; Zirinsky K: adrenal hemorrhage and renal vein thrombosis in the newborn: MR imaging, Radiology 1989; **170:** 95
Brill PW; Olson SR; Winchester P: neonatal necrotizing enterocolitis: air in Morison pouch, Radiology 1990; **174:** 469
Brill PW; Winchester P; Giardina PJ; et al: deferoxamine-induced bone dysplasia in patients with thalassemia major, AJR 1991; **156:** 561
Brill-Edwards PA See **Ginsberg JS**
Brillet G See **Deray G**
Brinberg DE; Stefansson TB; Greicius FA; et al: portal vein thrombosis in Crohn's disease, Gastrointest Radiol 1991; **16:** 245
Brincker H See **Mirza MR**
Brindle JS; Martinez A; Schray M; et al: pelvic lymphadenectomy and transperineal interstitial implantation of Ir 192 combined with external beam radiotherapy for bulky stage C prostatic carcinoma, Int J Radiat Oncol Biol Phys 1989; **17:** 1063
Brindle KM See **Murphy EJ**
Brindle MJ: children with urinary tract infection: a critical diagnostic pathway, Clin Radiol 1990; **41:** 95
Brink DA; Balsara ZN: prenatal ultrasound detection of intra-abdominal pulmonary sequestration with postnatal MRI correlation, Pediatr Radiol 1991; **21:** 227
Brink HF; Buschmann MD; Rosen BR: NMR chemical shift imaging, Comput Med Imag Graph 1989; **13:** 93
Brink JA See **Goldberg MA**
Brink JA See **Kammer B**
Brink JA See **Lee MJ**
Brink JA See **Mueller PR**
Brink JA See **Simeone JF**
Brink JA See **Tung GA**
Brink JA; Ferrucci JT: use of CT for predicting gallstone composition: a dissenting view, Radiology 1991; **178:** 633
Brink JA; Simeone JF; Mueller PR; et al: routine sonographic techniques fail to quantify gallstone size and number: a retrospective study of 111 surgically proved cases, AJR 1989; **153:** 503
Brink JA; Simeone JF; Saini S; Mueller PR; de Correia-Kamat MR; Malt RA; Staritz M; Delius M; Ferrucci JT: simulation of gallstone fragments by cavitation bubbles during extracorporeal shock wave lithotripsy: physical basis and in vitro demonstration, Radiology 1990; **174:** 787
Brinker JA See **Moore RD**
Brion LP See **Schwartz GJ**
Brioschi D See **Federle L**
Briot E See **Van Limbergen E**
Brismar G See **Brismar J**
Brismar J; Aqeel A; Brismar G; et al: maple syrup urine disease: findings on CT and MR scans of the brain in 10 infants, AJNR 1990; **11:** 1219
Brismar J; Aqeel A; Gascon G; et al: malignant hyperphenylalaninemia: CT and MR of the brain, AJNR 1990; **11:** 135
Brismar J; Brismar G; Coates R; et al: increased density of the thalamus on CT scans in patients with GM_2 gangliosidoses, AJNR 1990; **11:** 125
Brismar J; Brismar G; Gascon G; et al: Canavan disease: CT and MR imaging of the brain, AJNR 1990; **11:** 805
Brismar J; Jacobsson B: definition of terms used to judge the efficacy of diagnostic tests: a graphic approach, AJR 1990; **155:** 621
Brismar J; Jacobsson B: significance of 'no significant difference', Acta Radiol 1990; **31:** 315
Brismar J; Jacobsson BF; Jorulf H: miscellaneous adverse effects of low- versus high-osmolality contrast media: a study revised, Radiology 1991; **179:** 19
Brisson LJ See **Zegel HG**
Bristow RG; Hardy PA; Hill RP: comparison between *in vitro* radiosensitivity and *in vivo* radioresponse of murine tumor cell lines I: parameters of *in vitro* radiosensitivity and endogenous cellular glutathione levels, Int J Radiat Oncol Biol Phys 1990; **18:** 133
Bristow RG; Hill RP: comparison between *in vitro* radiosensitivity and *in vivo* radioresponse in murine tumor cell lines II: *in vivo* radioresponse following fractionated treatment and *in vitro/in vivo* correlations, Int J Radiat Oncol Biol Phys 1990; **18:** 331
Britt AR; Francis IR; Glazer GM; Ellis JH: sarcoidosis: abdominal manifestations at CT, Radiology 1991; **178:** 91
Brittin GM See **Heck LL**
Britton CA See **Harris KM**
Britton CA: semilobar holoprosencephaly with associated Arnold–Chiari variant, JCU 1989; **17:** 374
Britton CA; Baratz AB; Harris KM: carcinoma mimicked by the sternal insertion of the pectoral muscle, AJR 1989; **153:** 955
Britton J See **Halpin SFS**
Britton PD: primary pulmonary artery sarcoma—a report of two cases, with special emphasis on the diagnostic problems, Clin Radiol 1990; **41:** 92
Britton PD; Coulden RA: use of duplex Doppler ultrasound in the diagnosis of breast cancer, Clin Radiol 1990; **42:** 399
Brix G See **Gückel F**
Brix G See **Schad LR**
Brix G; Semmler W; Port R; et al: pharmacokinetic parameters in CNS Gd-DTPA enhanced MR imaging, JCAT 1991; **15:** 621
Brix HP See **Eisenbrand G**
Brixen K; Hansen HH; Mosekilde L; et al: SPECT bone scintigraphy in assessment of cranial Paget's disease, Acta Radiol 1990; **31:** 549
Brizel DM; Winer EP; Prosnitz LR; et al: improved survival in advanced Hodgkin's disease with the use of combined modality therapy, Int J Radiat Oncol Biol Phys 1990; **19:** 535
Broadhurst P; Cashman P; Crawley J; et al: clinical validation of a miniature nuclear probe system for continuous on-line monitoring of cardiac function and ST-segment, J Nucl Med 1991; **32:** 37
Brock J See **Seibert JA**

Brock JM See **Lee BCP**
Brock JM See **McGahan JP**
Brock WA; Baker FL; Wike JL; et al: cellular radiosensitivity of primary head and neck squamous cell carcinomas and local tumor control, Int J Radiat Oncol Biol Phys 1990; **18:** 1283
Brodahl U See **Levorstad K**
Broderick NJ See **Tarver RD**
Broderick NJ; Whyte AM: case of the month: a diaphragmatic nick, Br J Radiol 1990; **63:** 311
Brodin A See **Paige ML**
Brodin O; Rikner G; Steinholtz L; et al: local failure in patients treated with radiotherapy and multidrug chemotherapy for small cell lung cancer, Acta Oncol 1990; **29:** 739
Brodin T See **Wanying Q**
Brodsky A; Kathren RL: historical development of radiation safety practices in radiology, Radiographics 1989; **9:** 1267
Brodsky LS See **Brody AS**
Brody AR See **Rom WN**
Brody AS See **Matsumoto JS**
Brody AS; Ball WS Jr; Towbin RB: computed arthrotomography as an adjunct to pediatric arthrography, Radiology 1989; **170:** 99
Brody AS; Kuhn JP; Seidel FG; Brodsky LS: airway evaluation in children with use of ultrafast CT: pitfalls and recommendations, Radiology 1991; **178:** 181
Brody AS; Seidel FG; Kuhn JP: CT evaluation of blunt abdominal trauma in children: comparison of ultrafast and conventional CT, AJR 1989; **153:** 803
Brody AS; Seidel FG; Kuhn JP: metastatic Wilms' tumor to the liver with MR findings simulating cysts: case report emphasizing need for integrated imaging, Pediatr Radiol 1989; **19:** 337
Brody AS; Strong M; Babikian G; et al: avascular necrosis: early MR imaging and histologic findings in a canine model, AJR 1991; **157:** 341
Brody WR See **Holden RW**
Brody WR: academic radiology and research: a fresh approach, Radiology 1990; **175:** 37
Brody WR: academic radiology and research: reply, Radiology 1990; **177:** 286
Brody WR: contributions of engineering to advances in imaging technology in the 1990s, Invest Radiol 1991; **26:** 485
Broekhoven LD See **Siu D**
Broekman BAMW; Dorr JPJ: congenital kyphosis due to absence of two lumbar vertebral bodies, JCU 1991; **19:** 303
Brogan M See **Chakeres DW**
Brogan M; Chakeres DW: computed tomography and magnetic resonance imaging of the normal anatomy of the temporal bone, Semin US CT MR 1989; **10:** 178
Brogan M; Chakeres DW: Gd-DTPA–enhanced MR imaging of cochlear schwannoma, AJNR 1990; **11:** 407
Brogan M; Chakeres DW; Schmalbrock P: high-resolution 3DFT MR imaging of the endolymphatic duct and soft tissues of the otic capsule, AJNR 1991; **12:** 1
Brogan MA See **Bontozoglou NP**
Brogdon BG See **Raider L**
Brogdon BG: radiology manpower equation: a new look, AJR 1990; **154:** 1111
Brogdon BG; Heveron ED; Diamond JJ: attitudes of American radiologists toward their practices: present and future, AJR 1990; **154:** 867
Broggi M See **Planas R**
Broich K See **Grünwald F**
Brokensha C; Whitehouse G: comparison between iotrolan, a non-ionic dimer, and a hyperosmolar contrast medium, Urografin, in hysterosalpingography, Br J Radiol 1991; **64:** 587
Bromige M See **Henderson MJ**
Bromley B; Harlow BL; Laboda LA; Benacerraf BR: small sac size in the first trimester: a predictor of poor fetal outcome, Radiology 1991; **178:** 375
Bron KM See **Zajko AB**
Bronen R See **Sze G**
Bronner M See **Rubesin SE**
Bronner MP See **Levine MS**
Brons JTJ See **van der Harten HJ**
Bronshtein M See **Rottem S**
Bronshtein M; Kushnir O; Ben-Rafael Z; et al: transvaginal sonographic measurement of fetal kidneys in the first trimester of pregnancy, JCU 1990; **18:** 299
Bronshtein M; Ornoy A: acrania: anencephaly resulting from secondary degeneration of a closed neural tube: two cases in the same family, JCU 1991; **19:** 230
Bronshtein M; Rottem S; Yoffe N; et al: early determination of fetal sex using transvaginal sonography: technique and pitfalls, JCU 1990; **18:** 302
Bronshtein M; Yoffe N; Brandes JM; et al: hair as a sonographic marker of ovarian teratomas: improved identification using transvaginal sonography and simulation model, JCU 1991; **19:** 351
Bronshtein M; Zimmer EZ: transvaginal ultrasound diagnosis of fetal clubfeet at 13 weeks, menstrual age, JCU 1989; **17:** 518
Bronskill MJ See **Hardy PA**
Bronskill MJ See **Henkelman RM**
Bronskill MJ See **McVeigh ER**
Bronskill MJ See **Poon PY**
Bronskill MJ See **Santyr GE**
Bronson JP See **Lee F Jr**
Bronstein AD; Nyberg DA; Schwartz AN; et al: soft-tissue changes after head and neck radiation: CT findings, AJNR 1989; **10:** 171
Bronstein M See **Kushnir U**
Brook FB; Raafat F; Eldeeb BB; et al: histologic and immunohistochemical investigation of neuroblastoma and correlation with prognosis, (ab), Radiology 1989; **170:** 591
Brook I: microbiology of empyema in children and adolescents, (ab), Radiology 1990; **177:** 600
Brookeman JR See **Merickel MB**
Brookeman JR See **Mugler JP III**
Brookeman VA See **Smith JJ**
Brooker AF See **Clarke HJ**
Brooker HR See **Fitzsimmons JR**
Brookes GB See **Clifton AG**
Brooks AP: computed tomography of idiopathic retroperitoneal fibrosis ('periaortitis'): variants, variations, patterns and pitfalls, Clin Radiol 1990; **42:** 75
Brooks AP: radionuclides and the gut, Clin Radiol 1990; **42:** 80
Brooks AP; McLean A; Reznek RH: diaphragmatic (Bochdalek) hernias simulating pulmonary metastases on computed tomography, Clin Radiol 1990; **42:** 102
Brooks AP; Olson LK: computed tomography of the chest in the trauma patient, Clin Radiol 1989; **40:** 127
Brooks AP; Olson LK; Shackford SR: computed tomography in the diagnosis of traumatic rupture of the thoracic aorta, Clin Radiol 1989; **40:** 133
Brooks AP; Reznek RH; Webb JAW: aortic displacement on computed tomography of idiopathic retroperitoneal fibrosis, Clin Radiol 1989; **40:** 51
Brooks AP; Reznek RH; Webb JAW: magnetic resonance imaging in idiopathic retroperitoneal fibrosis: measurement of T_1 relaxation time, Br J Radiol 1990; **63:** 842
Brooks B See **Shah KJ**
Brooks BS See **El Gammal T**
Brooks BS See **Figueroa RE**
Brooks BS; El Gammal T; Allison JD; et al: frequency and variation of the posterior pituitary bright signal on MR images, AJNR 1989; **10:** 943
Brooks BS; El Gammal T; Allison JD; et al: frequency and variation of the posterior pituitary bright signal on MR images, AJR 1989; **153:** 1033
Brooks BS; King DW; El Gammal T; et al: MR imaging in patients with intractable complex partial epileptic seizures, AJNR 1990; **11:** 93
Brooks BS; King DW; El Gammal T; et al: MR imaging in patients with intractable complex partial epileptic seizures, AJR 1990; **154:** 577
Brooks CE See **Rosenthall L**
Brooks DC See **Brooks JR**
Brooks HL Jr See **Hanna SL**
Brooks JR; Starnes HF; Brooks DC; et al: surgical therapy for thyroid carcinoma: a review of 1249 solitary thyroid nodules, (ab), Radiology 1989; **172:** 592
Brooks K See **Charkes ND**
Brooks ML; Gali C; Wang A-M; et al: osteogenesis imperfecta associated with basilar impression and cerebral atrophy: a case report, Comput Med Imag Graph 1989; **13:** 363
Brooks ML; Mayer DP; Grannick MS; et al: parosteal lipoma of the finger: preoperative evaluation with computed tomography, Comput Med Imag Graph 1989; **13:** 481
Brooks ML; Wang A-M; Black PM; et al: subdural mass lesion secondary to sarcoid granuloma: MR and CT findings and differential diagnosis, Comput Med Imag Graph 1989; **13:** 199
Brooks MT See **Boulden TF**
Brooks MT See **Burton EM**
Brooks MT See **Hanna SL**
Brooks MT See **Magill HL**
Brooks MT See **Seidel FG**
Brooks MT; Magill HL; Hanna SL; Fletcher BD; Burton EM; Boulden TF; Seidel FG: pediatric case of the day, Radiographics 1990; **10:** 1096
Brooks RA See **Bizzi A**
Brooks RA See **De Souza B**
Brooks RA; Brunetti A; Alger JR; et al: on the origin of paramagnetic inhomogeneity effects in blood, Magn Res Med 1989; **12:** 241
Brooks RA; Di Chiro G; Patronas N: MR imaging of cerebral hematomas at different field strengths: theory and applications, JCAT 1989; **13:** 194
Brooks RG See **Catterall JJ**
Brooks RH See **Fuchs HA**
Broome DR See **Mathews VP**
Broome DR See **Vahey TN**
Brophy BP See **Brown RV**
Brophy BP See **Knox AM**
Brosing JW; Giese WL; Mulcahy RT: lack of a differential radiation response for proliferative and non-proliferative rat thyroid cells (FRTL-5) *in vitro*, Int J Radiat Oncol Biol Phys 1989; **16:** 1511
Brosnan JJ See **Benya EC**
Brosnan TJ See **Wright GA**
Broström L-Å See **Söderlund V**
Brothers MF; Fox AJ; Lee DH; et al: MR imaging after surgery for vertebrobasilar aneurysm, AJNR 1990; **11:** 149
Brothers MF; Holgate RC: intracranial angioplasty for treatment of vasospasm after subarachnoid hemorrhage: technique and modifications to improve branch access, AJNR 1990; **11:** 239
Brothers MF; Kaufmann JCE; Fox AJ; et al: *n*-butyl 2-cyanoacrylate—substitute for IBCA in interventional neuroradiology: histopathologic and polymerization time studies, AJNR 1989; **10:** 777
Brothers TE See **Williams DM**
Brothers TE; Greenfield LJ: long-term results of aortoiliac reconstruction, JVIR 1990; **1:** 49
Brott TG See **Tomsick TA**
Broussin J See **Grenier N**
Brouwers PJAM; Vriens EM; Musbach M; et al: transcranial pulsed Doppler measurements of blood flow velocity in the middle cerebral artery: reference values at rest and during hyperventilation in healthy children and adolescents in relation to age and sex, Ultrasound Med Biol 1990; **16:** 1
Brouwers TM See **Kuipers EJ**
Browde S See **Derman DP**
Browder W See **Parry SW**
Browdie DA; Bernstein RW; Agnew R; et al: diagnosis of poststernotomy infection: comparison of three means of assessment, (ab), Radiology 1991; **181:** 611
Brower AC See **Moser RP Jr**
Brower AC: use of the radiograph to measure the course of rheumatoid arthritis: the gold standard versus fool's gold, (ab), Radiology 1990; **176:** 885
Brower AC; Kransdorf MJ: imaging of hip disorders, Radiol Clin North Am 1990; **28:** 955
Brower AC; Kransdorf MJ; Moser RP Jr: frequency and diagnostic significance of periostitis in chondroblastoma, AJR 1990; **154:** 309
Brown A See **Emami B**
Brown AP See **Munzenrider JE**
Brown AP; Urie MM; Baresi G; et al: three-dimensional photon treatment planning for Hodgkin's disease, Int J Radiat Oncol Biol Phys 1991; **21:** 205
Brown AP; Urie MM; Chisin R; et al: proton therapy for carcinoma of the nasopharynx: a study in comparative treatment planning, Int J Radiat Oncol Biol Phys 1989; **16:** 1607
Brown BP See **Kao SCS**
Brown BP; Abu-Yousef M; Farner R; et al: Doppler sonography: a noninvasive method for evaluation of hepatic venocclusive disease, AJR 1990; **154:** 721
Brown CEL See **Weinreb JC**
Brown DC See **Benedikt RA**
Brown DC See **Kutcher TJ**
Brown DC See **Thomeier WC**
Brown DE See **Ergun DL**
Brown DG; Lee JN; Blinder RA; et al: CNR enhancement in the presence of multiple interfering processes using linear filters, Magn Res Med 1990; **14:** 79
Brown DG; Riederer SJ; Jack CR; Farzaneh F; Ehman RL: MR angiography with oblique gradient-recalled echo technique, Radiology 1990; **176:** 461
Brown DG; Riederer SJ; Wright RC; et al: high-speed line scan MR angiography, Magn Res Med 1990; **15:** 475
Brown DL See **Emerson DS**
Brown DL: patient confidentiality in radiology, Radiology 1990; **177:** 587
Brown DL; Benson CB; Driscoll SG; Doubilet PM: twin-twin transfusion syndrome: sonographic findings, Radiology 1989; **170:** 61
Brown DL; Cartier MS; Emerson DS; et al: peripheral hypoechoic rim of the fetal heart, J Ultrasound Med 1989; **8:** 603
Brown DL; Emerson DS; Cartier MS; et al: congenital cardiac anomalies: prenatal sonographic diagnosis, AJR 1989; **153:** 109
Brown DL; Emerson DS; Chesney T; et al: coexistent autosomal recessive polycystic kidney disease and UPJ obstruction: prenatal sonographic findings, J Ultrasound Med 1991; **10:** 475
Brown DL; Emerson DS; Felker RE; et al: diagnosis of early embryonic demise by endovaginal sonography, J Ultrasound Med 1990; **9:** 631

Brown DL; Emerson DS; Shulman LP; et al: sonographic diagnosis of omphalocele during 10th week of gestation, AJR 1989; **153:** 825
Brown DL; Felker RE; Emerson DS: intrauterine shelves in pregnancy: sonographic observations, AJR 1989; **153:** 821
Brown E; Virapongse C; Gregorios JB: MR imaging of cervical spinal cord infarction, JCAT 1989; **13:** 920
Brown EJ Jr; Idoine J; Swinford RD; et al: regional left ventricular filling: does it reflect diastolic abnormalities in contiguous areas of myocardium?, J Nucl Med 1989; **30:** 165
Brown HK See Suslavich FJ
Brown HK; Stoll BS; Nicosia SV; Fiorica JV; Hambley PS; Clarke LP; Silbiger ML: uterine junctional zone: correlation between histologic findings and MR imaging, Radiology 1991; **179:** 409
Brown HL See Miller JM Jr
Brown J See Alavi A
Brown JCC; Mills GA; Sadler PJ; et al: ^{1}H NMR studies of urine from premature and sick babies, Magn Res Med 1989; **11:** 193
Brown JH; Chew FS: primary esophageal melanoma, AJR 1991; **157:** 318
Brown JJ See Barakos JA
Brown JJ See Eilenberg SS
Brown JJ See Helmrich GA
Brown JJ See Hricak H
Brown JJ See Mirowitz SA
Brown JJ See Solomon SL
Brown JJ See Tavares NJ
Brown JJ: acute appendicitis: the radiologist's role, Radiology 1991; **180:** 13
Brown JJ; Balfe DM; Heiken JP; Becker JM; Soper NJ: ileal J pouch: radiologic evaluation in patients with and without postoperative infectious complications, Radiology 1990; **174:** 115
Brown JJ; Barakos JA; Higgins CB: magnetic resonance imaging of cardiac and paracardiac masses, J Thorac Imag 1989; **4-2:** 58
Brown JJ; Duncan JR; Heiken JP; Balfe DM; Corr AP; Mirowitz SA; Eilenberg SS; Lee JKT: perfluorooctylbromide as a gastrointestinal contrast agent for MR imaging: use with and without glucagon, Radiology 1991; **181:** 455
Brown JJ; Lee JM; Lee JKT; Van Lom KJ; Malchow SC: focal hepatic lesions: differentiation with MR imaging at 0.5 T, Radiology 1991; **179:** 675
Brown JJ; Malchow SC; Totty WG; et al: MR examination of the knee: interpretation with multiscreen digital workstation vs hardcopy format, AJR 1991; **157:** 81
Brown JJ; Mirowitz SA; Sandstrom JC; et al: MR spectroscopy of the heart, AJR 1990; **155:** 1
Brown JM See Zeman EM
Brown JM: keynote address: hypoxic cell radiosensitizers: where next?, Int J Radiat Oncol Biol Phys 1989; **16:** 987
Brown JM; Lemmon MJ: tumor hypoxia can be exploited to preferentially sensitize tumors to fractionated irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 457
Brown JW See Rose SC
Brown K See Aberle DR
Brown K See Batra P
Brown KA; Slinker BK: pentoxifylline (Trental) does not inhibit dipyridamole-induced coronary hyperemia: implications for dipyridamole-thallium-201 myocardial imaging, J Nucl Med 1990; **31:** 1020
Brown KT; Friedman WN; Marks RA; Saddekni S: gastric and hepatic infarction following embolization of the left gastric artery: case report, Radiology 1989; **172:** 731
Brown LR See Swensen SJ
Brown LR; Swensen SJ; Van Scoy RE; et al: roentgenologic features of pulmonary blastomycosis, (ab), Radiology 1991; **180:** 588
Brown MA See Walsh MN
Brown MA; Myears DW; Bergmann SR: validity of estimates of myocardial oxidative metabolism with carbon-11 acetate and positron emission tomography despite altered patterns of substrate utilization, J Nucl Med 1989; **30:** 187
Brown MD See Montalvo BM
Brown MF See Altbach MI
Brown ML See Gertz MA
Brown ML See Larcos G
Brown ML See Mettler FA Jr
Brown ML: role of radionuclides in the patient with osteogenic sarcoma, Semin Roentgenol 1989; **24:** 185
Brown MS See Gore JC
Brown P See Bourgeois DJ
Brown P See Rubinstein C
Brown PA See Bianco JA
Brown PB; Zwiebel WJ; Call GK: degree of cervical carotid artery stenosis and hemispheric stroke: duplex US findings, Radiology 1989; **170:** 541
Brown PH: nuclear medicine technology and techniques. 2nd ed, Radiology 1989; **173:** 70
Brown PH; Krishnamurthy GT: design and operation of a nuclear medicine picture archiving and communication system, Semin Nucl Med 1990; **20:** 205
Brown PH; Krishnamurthy GT; Turner FE; Denney RK; Gilbert SA; Slauson ME: primary lung cancer: biodistribution and dosimetry of two In-111-labeled monoclonal antibodies, Radiology 1989; **173:** 701
Brown R See Langer M
Brown R; Ohri SK; Ghosh P; et al: case report: jejunal vascular malformation in Klippel-Trenaunay syndrome, Clin Radiol 1991; **44:** 134
Brown RC See Barloon TJ
Brown RD III See Beaulieu CF
Brown RD III See Bennett HF
Brown RD III See Geraldes CFGC
Brown RD III See Koenig SH
Brown RD III See Lundbom N
Brown RD III See Tilcock CP
Brown RD Jr; Wiebers DO; Forbes G; et al: natural history of unruptured intracranial arteriovenous malformations, (ab), Radiology 1989; **170:** 290
Brown RH See Herold CJ
Brown RKJ See Bahn DK
Brown RKJ; Vahn DK; Walters BL; et al: nuclear scintigraphy in the evaluation of renal colic, Clin Nucl Med 1990; **15:** 11
Brown RV; Sage MR; Brophy BP: CT and MR findings in patients with chordomas of the petrous apex, AJNR 1990; **11:** 121
Brown SB See Gilliland JD
Brown SB See Yakes WF
Brown SJ See Slizofski WJ
Brown SJ; Dadparvar S; Slizofski WJ; et al: triple-phase bone image abnormalities in Lyme arthritis, Clin Nucl Med 1990; **14:** 730
Brown SJ; Slizofski WJ; Dadparvar S: altered biodistribution of gallium-67 in a patient with aluminum toxicity treated with desferoxamine, J Nucl Med 1990; **31:** 115
Brown SM; Casillas VJ; Montalvo BM; Albores-Saavedra J: intrauterine spermatic cord torsion in the newborn: sonographic and pathologic correlation, Radiology 1990; **177:** 755
Brown TF See Quinn SF
Brown TR See Vigneron DB
Brown TR; Quinn SF; D'Agostino AN: deposition of calcium pyrophosphate dihydrate crystals in the ligamentum flavum: evaluation with MR imaging and CT, Radiology 1991; **178:** 871
Brown VJ See D'Orsi CJ
Brown WD; Graves VB; Chun RWM; et al: Moyamoya disease: MR findings, JCAT 1989; **13:** 720
Browne D See Kuhlman JE
Brownell A-L See Kallinowski F
Brownell AL See Yaoita H
Brownell A-L; Kano M; McKinstry RC; et al: PET and MR studies of experimental focal stroke, JCAT 1991; **15:** 376
Browner C See Dickman CA
Browning D See Nagle C
Browning D; Sagerman RH: radiation therapy technology: manpower survey 1987, Int J Radiat Oncol Biol Phys 1989; **16:** 519
Browning J See Cobby M
Browning PD See McGahan JP
Brownless SM See Pilbrow WJ
Brownless SM; Gimlette TMD: comparison of techniques for thallium-201–technetium-99m parathyroid imaging, Br J Radiol 1989; **62:** 532
Bru C See Luburich P
Brückmann H; Ferbert A: putaminal haemorrhage after recanalization of an embolic MCA occlusion treated with tissue plasminogen activator, Neuroradiol 1989; **31:** 95
Brufman G; Biran S: second line hormonal therapy with aminoglutethimide in metastatic breast cancer, Acta Oncol 1990; **29:** 717
Brugge WR See Rosenberg DJ
Brugge WR: motor function of the gallbladder: measurement and clinical significance, Semin Roentgenol 1991; **26:** 226
Brugieres P See Heran F
Brugieres P See Nguyen JP
Brugieres P See Revel MP
Brugières P; Castrec-Carpo A; Héran F; et al: magnetic resonance imaging in the exploration of dissection of the internal carotid artery, J Neuroradiol 1989; **16:** 1
Brugières P; Djindjian M; Revel MP; et al: anterior cervical spinal artery originating from a right vertebral artery with a bifid origin, Neuroradiol 1990; **32:** 506
Brugieres P; Gaston A; Heran F; et al: percutaneous biopsies of the thoracic spine under CT guidance: transcostovertebral approach, JCAT 1990; **14:** 446
Brugirard J See Lissac M
Bruhn H See Frahm J
Bruhn H See Merboldt K-D
Bruhn H See Sauter R
Bruhn H; Frahm J; Gyngell ML; et al: cerebral metabolism in man after acute stroke: new observations using localized proton NMR spectroscopy, Magn Res Med 1989; **9:** 126
Bruhn H; Frahm J; Gyngell ML; et al: localized proton NMR spectroscopy using stimulated echoes: applications to human skeletal muscle *in vivo*, Magn Res Med 1991; **17:** 82
Bruhn H; Frahm J; Gyngell ML; Merboldt KD; Hänicke W; Sauter R; Hamburger C: noninvasive differentiation of tumors with use of localized H-1 MR spectroscopy in vivo: initial experience in patients with cerebral tumors, Radiology 1989; **172:** 541
Bruhn H; Gyngell ML; Hänicke W; et al: high-resolution fast low-angle shot magnetic resonance imaging of the normal hand, Skeletal Radiol 1991; **20:** 259
Bruinse HW; Sijmons EA; Reuwer PJHM: clinical value of screening for fetal growth retardation by Doppler ultrasound, J Ultrasound Med 1989; **8:** 207
Brumbaugh CJ See Sheets PW
Brumby S See Cain TM
Brümmer F See Bräuner T
Brümmer F; Brenner J; Bräuner T; et al: effect of shock waves on suspended and immobilized L1210 cells, Ultrasound Med Biol 1989; **15:** 229
Brummond R See Wells RG
Brunberg JA See Chenevert TL
Brunberg JA See Silbergleit R
Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM: intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Radiology 1991; **181:** 573
Brunberg JA; Papadopoulos SM: technical note. device to facilitate MR imaging of patients in skeletal traction, AJNR 1991; **12:** 746
Brune J See Cordier J-F
Brunelle F See Argyropoulou M
Brunelle F See Boothroyd AE
Brunelle F See Dubois J
Brunelle F See Gentil-Kocher S
Brunelle F See Gudinchet F
Brunelle F See Lipski S
Brunelle F See Taviere V
Brunelle F; Negre V; Barth MO; et al: pancreatic venous samplings in infants and children with primary hyperinsulinism, Pediatr Radiol 1989; **19:** 100
Brunelle FO See Dubois JM
Bruner JM See Lee Y-Y
Brunet F See Gandon Y
Brunet WG; Greenberg HM: CT demonstration of a ruptured splenic artery aneurysm, JCAT 1991; **15:** 177
Brunet WG; Hutton LC; Henderson AR: effect of nonionic radiographic contrast medium on serum electrolytes and proteins during intravenous urography, J Canad Assoc Radiol 1989; **40:** 139
Brunet WG; Munro TG: destructive joint disease following replantation of digits of the hand, J Canad Assoc Radiol 1990; **41:** 210
Bruneton J-N See Balu-Maestro C
Bruneton J-N; Falewée M-N; François E; Cambon P; Philip C; Riess JG; Balu-Maestro C; Rogopoulos A: liver, spleen, and vessels: preliminary clinical results of CT with perfluorooctylbromide, Radiology 1989; **170:** 179
Brunetti A See Alger JR
Brunetti A See Bizzi A
Brunetti A See Brooks RA
Brunetti A See De Souza B
Brunetti A See Otsuki H
Brunetti A; Berg G; Di Chiro G; et al: reversal of brain metabolic abnormalities following treatment of AIDS dementia complex with 3'-azido-2',3'-dideoxythymidine (AZT, zidovudine): a PET-FDG study, J Nucl Med 1989; **30:** 581
Brunhölzl C See Müller HR
Brunhölzl C; von Reutern G-M: hemodynamic effects of innominate artery occlusive disease. evaluation by Doppler ultrasound, Ultrasound Med Biol 1989; **15:** 201
Brunin F; Rodriguez J; Jaulerry C; et al: induction chemotherapy in advanced head and neck cancer: preliminary results of a randomized study, Acta Oncol 1989; **28:** 61
Brüning R See Vogl TJ
Brunken RC See Chan SY
Brunken RC; Kottou S; Nienaber CA; Schwaiger M; Ratib OM; Phelps ME; Schelbert HR: PET detection of viable tissue in myocardial segments with persistent defects at Tl-201 SPECT, Radiology 1989; **172:** 65

Brunner MC; Flower SP; Evancho AM; et al: MRI of the athletic knee: findings in asymptomatic professional basketball and collegiate football players, Invest Radiol 1989; **24:** 72
Brunsden BS See **Vannier MW**
Brunstedt J See **Joersbo M**
Brunt EM See **Heiken JP**
Brunton FJ See **Herbetko J**
Brunton FJ See **McHugh K**
Brunton FJ See **Rawlinson J**
Brunvand MW; Collins C; Livingston RB; et al: *Pneumocystis carinii* pneumonia associated with profound lymphopenia and abnormal T-lymphocyte subset ratios during treatment for early-stage breast carcinoma, (ab), Radiology 1991; **181:** 292
Bruschke AVG See **van Dijkman PRM**
Bruso CE; Shewach DS; Lawrence TS: fluorodeoxyuridine-induced radiosensitization and inhibition of DNA double strand break repair in human colon cancer cells, Int J Radiat Oncol Biol Phys 1990; **19:** 1411
Bryan AB See **Crosby JH**
Bryan BJ See **Mahour GH**
Bryan BM See **Magid D**
Bryan PJ See **Goldberg REA**
Bryan PJ See **Lewin JS**
Bryan RN See **Balakrishnan J**
Bryan RN See **Ehman RL**
Bryan RN See **Meltzer CC**
Bryan RN See **Yousem DM**
Bryan RN See **Zyed A**
Bryan RN: imaging of acute stroke, Radiology 1990; **177:** 615
Bryan RN: MR of the temporal bone, AJNR 1991; **12:** 17
Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM; Meaney TF: magnetic resonance: RSNA '88 meeting notes, Radiology 1989; **170:** 912
Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM: magnetic resonance: RSNA '89 meeting notes, Radiology 1990; **174:** 913
Bryan RN; Levy LM; Whitlow WD; et al: diagnosis of acute cerebral infarction: comparison of CT and MR imaging, AJNR 1991; **12:** 611
Bryan RN; Levy LM; Whitlow WD; et al: diagnosis of acute cerebral infarction: comparison of CT and MR imaging, AJR 1991; **157:** 585
Bryant DH See **Gibson PG**
Bryant DJ See **Hall AS**
Bryant DJ See **Peden CJ**
Bryant DJ See **Young IR**
Bryant RG See **Blackmore CC**
Bryant RG; Marill K; Blackmore C; et al: magnetic relaxation in blood and blood clots, Magn Res Med 1990; **13:** 133
Bryk D See **Zafaranloo S**
Bubeck B; Brandau W; Weber E; et al: pharmacokinetics of technetium-99m-MAG_3 in humans, J Nucl Med 1990; **31:** 1285
Bucci VA: health outcomes research: its influence on clinical decision making and the development of new imaging technologies, AJNR 1991; **12:** 397
Buccino G See **Colli A**
Bucciolini M See **Ciraolo L**
Bucciolini M See **Mascalchi M**
Bucciolini M See **Santoni R**
Bucciolini M; Ciraolo L; Lehmann B: simulation of biologic tissues by using agar gels at magnetic resonance imaging, Acta Radiol 1989; **30:** 667
Buchbinder BR See **Jaramillo D**
Buchbinder BR See **Rosen BR**
Buchbinder NA See **Litvack F**
Buchbinder S See **Koral KF**
Buchbinder S See **Trambert J**
Buchegger F See **Bischof-Delaloye A**
Buchegger F; Chalandon Y; Pèlegrin A; et al: bone marrow dosimetry in rats using direct tissue counting after injection of radioiodinated intact monoclonal antibodies or $F(ab')_2$ fragments, J Nucl Med 1991; **32:** 1414
Buchegger F; Pèlegrin A; Delaloye B; et al: iodine-131-labeled MAb $F(ab')_2$ fragments are more efficient and less toxic than intact anti-CEA antibodies in radioimmunotherapy of large human colon carcinoma grafted in nude mice, J Nucl Med 1990; **31:** 1035
Buchi KN See **Miller FJ**
Buchler DA See **Stephenson JA**
Büchler M See **Malfertheiner P**
Buchli R; Saner M; Meier D; et al: increased rf power absorption in MR imaging due to rf coupling between body coil and surface coil, Magn Res Med 1989; **9:** 105
Bucholz RD See **Awwad EE**
Buchsbaum DJ; Ten Haken RK; Heidorn DB; et al: comparison of ^{131}I-labeled monoclonal antibody 17-1A treatment to external beam irradiation on the growth of LS174T human colon carcinoma xenografts, Int J Radiat Oncol Biol Phys 1990; **18:** 1033
Buchwald A See **Werner GS**
Buck A See **Duewell S**
Buck BA See **Tsai J-S**
Buck JL See **Brammer HM III**
Buck JL See **Camponovo E**
Buck JL See **Dachman AH**
Buck JL See **Harned RK**
Buck JL See **Lane J**
Buck JL See **O'Neil JD**
Buck JL See **Osborn AG**
Buck JL See **Ros PR**
Buck JL: Robert H. Ackerman, MD, Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Radiology 1991; **180:** 281
Buck JL; Dachman AH; Sobin LH: from the archives of the AFIP: polypoid and pseudopolypoid manifestations of inflammatory bowel disease, Radiographics 1991; **11:** 293
Buck JL; Hayes WS: from the archives of the AFIP: microcystic adenoma of the pancreas, Radiographics 1990; **10:** 313
Buck JL; Sobin LH: from the archives of the AFIP: carcinoids of the gastrointestinal tract, Radiographics 1990; **10:** 1081
Buckenham TM; Teele R: percutaneous therapy for hepatic cysts: case report and review of literature, Australas Radiol 1990; **34:** 159
Buckingham P See **Dick L**
Buckingham RA See **Mafee MF**
Buckingham RB See **Harinstein D**
Buckland-Wright JC See **Spring MW**
Buckland-Wright JC: new high-definition microfocal x-ray unit, Br J Radiol 1989; **62:** 201
Buckland-Wright JC; Bradshaw CR: clinical applications of high-definition microfocal radiography, Br J Radiol 1989; **62:** 209
Buckland-Wright JC; MacFarlane DG; Lynch JA; et al: Quantitative microfocal radiographic assessment of progression in osteoarthritis of the hand, (ab), Radiology 1990; **176:** 885
Buckland-Wright JC; Spring MW; Mak RHK; et al: quantitative microfacal radiography of children with renal osteodystrophy; comparison with laboratory and histological findings, Br J Radiol 1990; **63:** 609
Buckley AR See **Bissonnette RT**
Buckley AR See **Zwirewich CV**
Buckley DW See **Hricak H**
Buckley K See **Brateman L**
Buckley KM; Schaefer CM; Greene R; et al: detection of bullous lung disease: conventional radiography vs digital storage phosphor radiography, AJR 1991; **156:** 467
Buckman J See **Okrent D**
Buckner AB See **Shanley DJ**
Buckner CB See **Shah HR**
Buckner CB; Leithiser RE; Walker CW; et al: changing epidemiology of tuberculosis and other mycobacterial infections in the United States: implications for the radiologist, AJR 1991; **156:** 255
Buckner CB; Walker CW: radiologic manifestations of adult tuberculosis, J Thorac Imag 1990; **5-2:** 28
Buckner CB; Walker CW; Purnell GL: pulmonary embolism: chest radiographic abnormalities, J Thorac Imag 1989; **4-4:** 23
Buckner NK See **Fellmeth BD**
Buckspan MB; Klotz PG; Goldfinger M; et al: intraoperative ultrasound in the conservative resection of testicular neoplasms, (ab), Radiology 1989; **172:** 885
Buckthal PE See **Choi SK**
Buckwalter KA See **Helvie MA**
Buckwalter KA See **Pennes DR**
Buckwalter KA; Pennes DR: anterior cruciate ligament: oblique sagittal MR imaging, Radiology 1990; **175:** 276
Buckwalter KA; Pennes DR: oblique sagittal MR imaging of the anterior cruciate ligament: reply, Radiology 1991; **178:** 891
Budach V; Stuschke M; Budach W; et al: radiation response in 10 high-grade human soft tissue sarcoma xenografts to photons and fast neutrons, Int J Radiat Oncol Biol Phys 1990; **19:** 941
Budach W See **Budach V**
Budd RS; Hodgson GS; Hare WSC: relation of radionuclide uptake by bone to the rate of calcium mineralization: I: experimental studies using ^{45}Ca, ^{32}P and $^{99}Tc^m$-MDP, Br J Radiol 1989; **62:** 314
Budd RS; Hodgson GS; Hare WSC: relation of radionuclide uptake by bone to the rate of calcium mineralization: II: patient studies using $^{99}Tc^m$-MDP, Br J Radiol 1989; **62:** 318
Budde RB Jr; DeLong SR: false-positive indium-111 WBC image secondary to an unusual configuration of the right hepatic lobe, Clin Nucl Med 1989; **14:** 64
Budde RB Jr; Yankura JA: leiomyomatosis with a solitary pleural metastasis, Clin Imag 1989; **13:** 228
Buddemeyer U See **Atkins HL**
Bude R; Bree RL; Adler RS; et al: transrectal ultrasound appearance of granulomatous prostatitis, J Ultrasound Med 1990; **9:** 677
Bude RO See **Rubin JM**
Budihna N; Milčinski M; Heberle J: long-term follow-up after heterotopic splenic autotransplantation for traumatic splenic rupture, J Nucl Med 1991; **32:** 204
Budin JA See **Silver PR**
Budinger TF See **Valk PE**
Budinger TF: perspectives on imaging modalities, Cardiovasc Intervent Radiol 1989; **12:** 223
Budorick NE See **Demos TC**
Budorick NE; McDonald V; Flisak ME; et al: pulmonary veins, Semin Roentgenol 1989; **24:** 127
Budorick NE; Pretorius DH; Grafe MR; Lou KV: ossification of the fetal spine, Radiology 1991; **181:** 561
Budzik RF Jr See **Dodd GD III**
Buell U See **Seiderer M**
Bueno CE; Clemente MG; Castro BC; et al: cytologic and bacteriologic analysis of fluid and biopsy specimens with Cope's needle: study of 414 patients, (ab), Radiology 1991; **178:** 291
Bueschen AJ See **Kenney PJ**
Buetow MP; Buetow PC; Smirniotopoulos JG: from the archives of the AFIP: typical, atypical, and misleading features in meningioma, Radiographics 1991; **11:** 1087
Buetow PC See **Buetow MP**
Buetow PC; Kransdorf MJ; Moser RP Jr; et al: radiologic appearance of intramuscular hemangioma with emphasis on MR imaging, AJR 1990; **154:** 563
Buetow PC; Perry JJ; Geyer CA: Gd-DTPA enhancement in CNS extramedullary hematopoiesis, AJNR 1990; **11:** 411
Buetow PC; Smirniotopoulos JG; Done S: congenital brain tumors: a review of 45 cases, AJNR 1990; **11:** 793
Buetow PC; Smirniotopoulos JG; Done S: congenital brain tumors: a review of 45 cases, AJR 1990; **155:** 587
Buettner S See **Reimer P**
Buff BL Jr; Schick RM; Norregaard T: meningeal metastasis of leiomyosarcoma mimicking meningioma: CT and MR findings, JCAT 1991; **15:** 166
Buffam FV See **Munk PL**
Buffard MD See **Brauner M**
Bugaieski EM; Bertino RE; Brady TM: renal pseudotumor due to aberrant renal capsular artery supplying normal spleen, Cardiovasc Intervent Radiol 1990; **13:** 306
Bugg MF See **Hanna SL**
Buggy BP See **Splittgerber GF**
Buhle EL Jr; Bloch P; Lenkinski RE: noise reduction for T_2 derived magnetic resonance images, Comput Med Imag Graph 1990; **14:** 185
Buhr W See **Schulte T**
Bui BT See **Chhem RK**
Bui S See **Kimball BP**
Buirski G See **James P**
Buirski G: giant central disc prolapse: a pitfall in computed tomographic diagnosis, Br J Radiol 1989; **62:** 274
Buirski G: magnetic resonance imaging in acute and chronic rotator cuff tears, Skeletal Radiol 1990; **19:** 109
Buis B See **Voorburg JAI**
Buisseret T See **Stadnik TW**
Buja LM See **Popma JJ**
Bujnoski JL See **Schwade JG**
Bukis E See **Channer KS**
Bukovsky I See **Schneider DF**
Bulas DI See **Sivit CJ**
Bulas DI; Taylor GA; Eichelberger MR: value of CT in detecting bowel perforation in children after blunt abdominal trauma, AJR 1989; **153:** 561
Bulas DI; Taylor GA; Fitz CR; et al: posterior fossa intracranial hemorrhage in infants treated with extracorporeal membrane oxygenation: sonographic findings, AJR 1991; **156:** 571
Bulas DI; Thompson R; Reaman G: pulmonary emboli as a primary manifestation of Wilms tumor, AJR 1991; **156:** 155
Bulas R See **Curtin AJ**
Bulbrook RD; Thomas BS: hormones are ambiguous risk factors for breast cancer, Acta Oncol 1989; **28:** 841
Bulger RE See **Wondergem J**
Bull A; Mountney L; Sanderson H: stage distribution of breast cancer: a basis for the evaluation of breast screening programmes, Br J Radiol 1991; **64:** 516
Bull AR; Campbell MJ: assessment of the psychological impact of a breast screening programme, Br J Radiol 1991; **64:** 510
Bull BS See **Ing JJ**
Bull BS See **Kopko PM**
Bull BS See **Massee DR**

Bull C See **Ngan S**
Bull CA See **McKay MJ**
Bull MJ See **Randall PA**
Büller HR See **Huisman MV**
Büller HR See **Lensing AWA**
Bullimore J See **Cobby M**
Bullock PR; Mansfield P; Gowland P; et al: dynamic imaging of contrast enhancement in brain tumors, Magn Res Med 1991; **19:** 293
Bulman AS See **Khoury GG**
Bulzacchi A See **Corbetti F**
Bunchman TE; Walker HSJ III; Joyce PF; et al: sonographic evaluation of renal artery aneurysm in childhood, Pediatr Radiol 1991; **21:** 312
Bundey S See **Chapman S**
Bundschuh CV; Stein L; Slusser JH; et al: distinguishing between scar and recurrent herniated disk in postoperative patients: value of contrast-enhanced CT and MR imaging, AJNR 1990; **11:** 949
Bundy AL See **Gluck CD**
Bunker D See **Deray G**
Bunker SR; Handmaker H; Torre DM; Schmidt WP: pixel overflow artifacts in SPECT evaluation of the skeleton, Radiology 1990; **174:** 229
Bunko H See **Nakajima K**
Bunko H See **Taki J**
Bunn PA See **Lear JL**
Bunnell DH See **Gomes AS**
Buoni C See **Pavone P**
Buonocore E See **Bendel P**
Buonocore E See **Kabalka GW**
Buonocore MH See **Gerscovich EO**
Buonomo C; Griscom NT: pediatric case of the day, Radiographics 1991; **11:** 1146
Burbank F: imaging-directed percutaneous biopsies with a biopsy gun, Radiology 1990; **176:** 286
Burbridge B; Tchang SFK: computed tomographic evaluation of intracranial metatases from carcinoma of the prostate, J Canad Assoc Radiol 1989; **40:** 234
Burbridge BE See **Irving HD**
Burch L See **Yeh SDJ**
Burcharth F See **Joyce F**
Burchiel SW; Hadjian RA; Hladik WB; et al: pharmacokinetic evaluation of technetium-99-metallothionein-conjugated mouse monoclonal antibody B72.3 in rhesus monkeys, J Nucl Med 1989; **30:** 1351
Burdeny DA; Reed MH; Ferguson CA: calcification of axillary lymph nodes following BCG vaccination, J Canad Assoc Radiol 1989; **40:** 92
Burdick JF See **Williams GM**
Burg C See **Laborda J**
Burge HJ; Middleton WD; McClennan BL; Hildebolt CF: ureteral jets in healthy subjects and in patients with unilateral ureteral calculi: comparison with color Doppler US, Radiology 1991; **180:** 437
Burgener FA See **Katzberg RW**
Burger C See **McKinnon GC**
Burger PC See **Donnal JF**
Burger PC See **Hertzberg BS**
Burger PC See **Wehn SM**
Burger R See **Martin E**
Burgess AR; Eastridge BJ; Young J; et al: pelvic ring disruptions: effective classification system and treatment protocols, (ab), JVIR 1990; **1:** 141
Burgess CK See **Chandramouly BS**
Burghuber OC See **Schurawitzki H**
Burgmann H See **Holzmueller P**
Burgos FJ; Matorras R; Rivera M; et al: double uterus associated with unilateral vaginal obstruction and ipsilateral renal agenesis: ultrasonographic diagnosis, JCU 1989; **17:** 296
Burgos-Lizalde E See **López-Barea F**
Burhenne HJ See **Becker CD**
Burhenne HJ See **Donald JJ**
Burhenne HJ See **Fache JS**
Burhenne HJ See **Lee SH**
Burhenne HJ See **Malone DE**
Burhenne HJ See **Rawat B**
Burhenne HJ See **Torres WE**
Burhenne HJ See **Zhou J**
Burhenne HJ: can the newer interventional procedures replace cholecystectomy for cholecystolithiasis?, Radiology 1989; **170:** 574
Burhenne HJ: gallstone breakthrough with lithotripsy?, Invest Radiol 1990; **25:** 1149
Burhenne HJ: history of interventional radiology of the biliary tract, Radiol Clin North Am 1990; **28:** 1139
Burhenne HJ; Becker CD; Malone DE; Rawat B; Fache JS: biliary lithotripsy: early observations in 106 patients. work in progress, Radiology 1989; **171:** 363
Burhenne HJ; Becker CD; Quenville NF: gallbladder ablation: need for a better model: reply, Radiology 1989; **173:** 579
Burhenne LW See **Munk PL**
Burk CD; Restaino I; Kaplan BS; et al: ifosfamide-induced renal tubular dysfunction and rickets in children with Wilms tumor, (ab), Radiology 1991; **180:** 592
Burk DL Jr See **Mitchell DG**
Burk DL Jr See **Siegelman ES**
Burk DL Jr; Karasick D; Kurtz AB; et al: rotator cuff tears: prospective comparison of MR imaging with arthrography, sonography, and surgery, AJR 1989; **153:** 87
Burk DL Jr; Karasick D; Mitchell DG; et al: MR imaging of the shoulder: correlation with plain radiography, AJR 1990; **154:** 549
Burk DL Jr; Mitchell DG; Rifkin MD; et al: recent advances in magnetic resonance imaging of the knee, Radiol Clin North Am 1990; **28:** 379
Burk DL Jr; Torres JL; Marone PJ; Mitchell DG; Rifkin MD; Karasick D: MR imaging of shoulder injuries in professional baseball players, JMRI 1991; **1:** 385
Burk JM See **Chandnani VP**
Burke AP See **Dachman AH**
Burke AP; Sobin LH; Shekitka KM; et al: intra-abdominal fibromatosis: a pathologic analysis of 130 tumors with comparison of clinical subgroups, (ab), Radiology 1990; **177:** 290
Burke AP; Sobin LH; Shekitka KM; et al: somatostatin-producing duodenal carcinoids in patients with von Recklinghausen's neurofibromatosis: a predilection for black patients, (ab), Radiology 1990; **176:** 882
Burke BJ See **Parker SH**
Burke BJ; Parker SH; Hopper KD; et al: ultrasonographic appearance of coexistent epididymal and testicular sarcoidosis, JCU 1990; **18:** 522
Burke DL Jr See **Glickstein MF**
Burke DR See **Becker GJ**
Burke DR See **Cope C**
Burke DR See **McLean GK**
Burke DR See **Mulry CC**
Burke DR See **Recht MP**
Burke DR See **Spies JB**
Burke DR; McLean GK: obstructions of the hepatic duct confluence: internal drainage of bilateral lesions with a single catheter, Radiology 1989; **172:** 1035
Burke G See **LaManna MM**
Burke JA See **Levine MJ**
Burke JT; Harris JH Jr: acute injuries of the axis vertebra, Skeletal Radiol 1989; **18:** 335
Burke JW; Podrasky AE; Bradley WG Jr: meninges: benign postoperative enhancement on MR images, Radiology 1990; **174:** 99
Burke M See **Lafortune M**
Burke TS: transient rib abnormalities on radionuclide bone imaging related to breast reconstruction surgery, Clin Nucl Med 1991; **16:** 127
Burke TS; Tatum JL: hepatic infarction detected on Tc-99m sulfur colloid imaging, Clin Nucl Med 1990; **15:** 673
Burke TS; Tatum JL; Fratkin MJ: accumulation of Tc-99m MDP in amyloidosis involving the tongue, Clin Nucl Med 1990; **15:** 107
Burkhard TK See **Burks DD**
Burkhard TK See **Chesbrough RM**
Burkhard TK See **Legan JM**
Burks DD See **Chesbrough RM**
Burks DD See **Gorman JD**
Burks DD See **Legan JM**
Burks DD; Markey BJ; Burkhard TK; Balsara ZN; Haluszka MM; Canning DA: suspected testicular torsion and ischemia: evaluation with color Doppler sonography, Radiology 1990; **175:** 815
Burks RT See **Faciszewski T**
Burleson WD; Stutzman CD; Stitt JA; et al: *in vivo* isocenter dose in two hip prosthesis patients, Int J Radiat Oncol Biol Phys 1991; **20:** 1347
Burman C See **Kutcher GJ**
Burman C; Kutcher GJ; Emami B; et al: fitting of normal tissue tolerance data to an analytic function, Int J Radiat Oncol Biol Phys 1991; **21:** 123
Burmeister BH; Benjamin CS: primary non-Hodgkins lymphoma of bone (case report), Australas Radiol 1989; **33:** 165
Burmeister BH; Probert JC: half body irradiation for the palliation of bone metastases, Australas Radiol 1990; **34:** 317
Burn R See **Sostman HD**
Burn RA See **Dewhirst MW**
Burnet NG; Blake PR: sustained complete remission of stage IVb carcinoma of the cervix with *cis*-platinum, methotrexate and bleomycin chemotherapy, Br J Radiol 1989; **62:** 856
Burnett AK See **Tait RC**
Burnett CM; Rosemurgy AS; Pfeiffer EA: life-threatening acute posterior mediastinitis due to esophageal perforation, (ab), Radiology 1991; **179:** 884
Burnett LS See **Fleischer AC**
Burnett SJD; Spence-Jones C; Speakman CTM; et al: unsuspected sphincter damage following childbirth revealed by anal endosonography, Br J Radiol 1991; **64:** 225
Burney BT See **Griffith SL**
Burney RE See **Kane NM**
Burney RE See **Kearney PA**
Burnham JA See **Berman MA**
Burns D See **Girson M**
Burns DK See **Fleckenstein JL**
Burns JR See **Yarborough MA**
Burns K See **DeNardi F**
Burns KD See **Don C**
Burns MA; Molina PL; Gutierrez FR; et al: motion artifact simulating aortic dissection on CT, AJR 1991; **157:** 465
Burns P See **Mitchell DG**
Burns PN See **Goldberg BB**
Burns PN See **Kurtz AB**
Burns PN See **Lafortune M**
Burns PN; Jéquier S; Paltiel H; Lafortune M: interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Radiology 1991; **178:** 889
Burns TL See **Grover-McKay M**
Burnstein M; Pozniak MA: computed tomography with stress maneuver to demonstrate sternoclavicular joint dislocation, JCAT 1990; **14:** 159
Burnstein MI See **De Smet AA**
Burnstein MI; De Smet AA; Breed AL; et al: longitudinal tibial epiphyseal bracket in Nievergelt syndrome, Skeletal Radiol 1989; **18:** 121
Burnstein MI; De Smet AA; Hafez GR; et al: case report 611, Skeletal Radiol 1990; **19:** 294
Burnstein MI; Lawson JP; Kottamasu SR; et al: enthesopathic changes of hypophosphatemic osteomalacia in adults: radiologic findings, AJR 1989; **153:** 785
Burrell LM See **Jelinek JS**
Burrell MI; Zeman RK; Simeone JF; et al: biliary tract: imaging for the 1990s, AJR 1991; **157:** 223
Bürrig K See **Kahn T**
Burris JA See **Dachman AH**
Burrows EH See **Colquhoun IR**
Burrows FGO See **Manns RA**
Burrows PE See **Pinzon JL**
Burrows PE See **Spouge AR**
Burrows PE: magnetic resonance imaging of the aorta in children, Semin US CT MR 1990; **11:** 221
Burrows PE: variations in the vascular supply to infantile hepatic hemangioendotheliomas, Radiology 1991; **181:** 631
Burrows PE; Benson LN; Moes CAF; et al: pulmonary artery tears following balloon valvotomy for pulmonary stenosis, Cardiovasc Intervent Radiol 1989; **12:** 38
Burrows PE; Benson LN; Williams WG; et al: iliofemoral arterial complications of balloon angioplasty for systemic obstructions in infants and children, (ab), JVIR 1991; **2:** 292
Burrows PE; Freedom RM; Benson LN; et al: coronary angiography of pulmonary atresia, hypoplastic right ventricle, and ventriculocoronary communications, AJR 1990; **154:** 789
Burrows PE; Lasjaunias P; Terbrugge KG: 4-F coaxial catheter system for pediatric vascular occlusion with detachable balloons, Radiology 1989; **170:** 1091
Burry AF See **Bydder PV**
Burry B See **McParland BJ**
Burstein D See **Atkinson DJ**
Burstein D See **Edelman RR**
Burstein D: MR imaging of coronary artery flow in isolated and in vivo hearts, JMRI 1991; **1:** 337
Burstein D; Litt HI; Fossel ET: NMR characteristics of "visible" intracellular myocardial potassium in perfused rat hearts, Magn Res Med 1989; **9:** 66
Burstein D; Taratuta E; Manning WJ: factors in myocardial "perfusion" imaging with ultrafast MRI and Gd-DTPA administration, Magn Res Med 1991; **20:** 299
Bursztein de Myttenaere S See **Hardoff R**
Burt M See **Heelan RT**
Burt PA; Notley HM; Stout R: simple technique for intraluminal irradiation in oesophageal tumours using the high-dose-rate Microselectron, Br J Radiol 1989; **62:** 748
Burt RW; Witt RM; Cikrit D; et al: increased brain retention of Tc-99m HMPAO following acetazolamide administration, Clin Nucl Med 1991; **16:** 568
Burton D See **Nino-Murcia M**
Burton DJ; Filly RA: sonographic diagnosis of the amniotic band syndrome, AJR 1991; **156:** 555
Burton EM See **Boulden TF**
Burton EM See **Brooks MT**
Burton EM See **Hanna SL**
Burton EM See **Kochanski SC**
Burton EM See **Kyle CA**
Burton EM See **Rand JC**
Burton EM See **Seidel FG**
Burton EM See **Wallace RC**

Burton EM; Ball WS Jr; Crone K; et al: hamartoma of the tuber cinereum: a comparison of MR and CT findings in four cases, AJNR 1989; **10:** 497
Burton EM; Boulden TF; Magill HL; Seidel FG; Brooks MT; Hanna SL: pediatric case of the day, Radiographics 1990; **10:** 372
Burton EM; Hickman M; Boulden TF; et al: orbital sinus histiocytosis: MR appearance, JCAT 1989; **13:** 696
Burton EM; Keith JW; Linden BE; et al: CSF fistula in a patient with Mondini deformity: demonstration by CT cisternography, AJNR 1990; **11:** 205
Burton EM; Riggs W Jr; Kaufman RA; et al: pneumomediastinum caused by foreign body aspiration in children, Pediatr Radiol 1989; **20:** 45
Burton EW See **Magill HL**
Burton IE See **Jackson A**
Burton MA See **Gray BN**
Burton MA; Gray BN; Kelleher DK; Klemp PF: selective internal radiation therapy: validation of intraoperative dosimetry, Radiology 1990; **175:** 253
Burton SS See **Torres GM**
Burton SS See **Younathan CM**
Bury RW; Powell T: prolapsed thoracic intervertebral disc: the importance of CT assisted myelography, Clin Radiol 1989; **40:** 416
Busack JA See **Thach AB**
Busch M II; Dühmke E: cylindrical forms of isodoses in gynaecological afterloading therapy: an atlas using the Buchler afterloading machine al-mc, Br J Radiol 1990; **63:** 562
Buschman DL See **Moore ADA**
Buschmann MD See **Brink HF**
Buschmann W; Haigis W: measurement-based ophthalmic ultrasonography, Ultrasound Med Biol 1989; **15:** 161
Buser MW See **Müller HR**
Bush WH See **Dunnick NR**
Bush WH; Brannen GE; Lewis GP: ureteropelvic junction obstruction: treatment with percutaneous endopyelotomy, Radiology 1989; **171:** 535
Bushberg JT See **Cagnon CH**
Bushnell DL; Gupta S; Barnes WE; et al: evaluation of cerebral perfusion reserve using 5% CO_2 and SPECT neuroperfusion imaging, Clin Nucl Med 1991; **16:** 263
Bushnell DL; Sood KB; Shirazi P; et al: evaluation of pulmonary perfusion in lung regions showing isolated xenon-133 ventilation washout defects, Clin Nucl Med 1990; **15:** 562
Buskirk SJ See **Schild SE**
Bussaka H See **Sakamoto Y**
Bussaka H See **Yamashita Y**
Bussen S: angiodysplasia: characterization, diagnosis, and advances in treatment, Radiology 1991; **180:** 312
Bussen SV: reflux nephropathy in adults, Radiology 1991; **181:** 862
Buster DC See **Malloy CR**
Buster DC; Castro MMCA; Geraldes CFGC: $Tm(DOTP)^{5-}$: a ^{23}Na+ shift agent for perfused rat hearts, Magn Res Med 1990; **15:** 25
Busuttil RW See **Lois JF**
Busuttil RW See **Quiñones-Baldrich WJ**
Busza AL See **Van Bruggen N**
Butler DL See **Seeger LL**
Butler JA See **Smith C**
Butler M See **Gordon S**
Butler P See **Kingsley DPE**
Butler S See **Cobb LM**
Butler SP See **Rosen JM**
Butler SP; Alderson PO; Greenspan RL; et al: utility of technetium-99m DTPA inhalational scans in artificially ventilated patients, J Nucl Med 1990; **31:** 46
Butler SP; Kader KL; Owen J; et al: rapid localization of indium-111-labeled inhibited recombinant tissue plasminogen activator in a rabbit thrombosis model, J Nucl Med 1991; **32:** 461
Butt JH See **Marshall JB**
Butt K,See **Becker JA**
Butt WP: radiology for back pain, Clin Radiol 1989; **40:** 6
Butt WP; Hardy G; Ostlere SJ; et al: pigmented villonodular synovitis of the knee: computed tomographic appearances, Skeletal Radiol 1990; **19:** 191
Butterfield SL See **Daffner RH**
Butterworth R; Adams H: case of the month: a case of colonic defection, Br J Radiol 1990; **63:** 905
Button TW See **Hall AS**
Butts RK; Farzaneh F; Riederer SJ; Rydberg JN; Grimm RC: T2-weighted spin-echo pulse sequence with variable repetition and echo times for reduction of MR image acquisition time, Radiology 1991; **180:** 551
Butturini A See **Gale RP**
Buxi TBS; Shubhra; Dutta T; et al: computed tomography in botryoid rhabdomyosarcoma of urinary bladder, Comput Med Imag Graph 1990; **14:** 197
Buxton D See **Schelbert HR**
Buxton DB See **Chan SY**
Buxton RB See **Chien D**
Buxton RB See **Chisin R**
Buxton RB See **Fisel CR**
Buxton RB; Greensite F: target-point combination of MR images, Magn Res Med 1991; **18:** 102
Buy J-N See **Ghossain MA**
Buy JN See **Mendelson DS**
Buy J-N; Ghossain MA; Moss AA; Bazot M; Doucet M; Hugol D; Truc JB; Poitout P; Ecoiffier J: cystic teratoma of the ovary: CT detection, Radiology 1989; **171:** 697
Buy J-N; Ghossain MA; Sciot C; Bazot M; Guinet C; Prévot S; Hugol D; Laromiguiere M; Truc JB; Poitout P; Vadrot D; Ecoiffier J: epithelial tumors of the ovary: CT findings and correlation with US, Radiology 1991; **178:** 811
Buy J-N; Hubert C; Ghossain MA; et al: computed tomography of retained abdominal sponges and towels, Gastrointest Radiol 1989; **14:** 41
Buy J-N; Malbec L; Ghossain MA; et al: magnetic resonance imaging of pseudomyxoma peritonei, Eur J Radiol 1989; **9:** 115
Buzdar AU See **Lamki LM**
Bychkov V See **Posniak HV**
Bydder GM See **Doran M**
Bydder GM See **Young IR**
Bydder PV; Burry AF; Gowland S; et al: controlled trial of misonidazole in the curative treatment of infiltrating bladder cancer, Australas Radiol 1989; **33:** 8
Byers C See **Wald ER**
Byhardt RW See **Cox JD**
Byrd SE See **Kramer LD**
Byrd SE See **Segall HD**
Byrd SE; Darling CF; McLone DG: developmental disorders of the pediatric spine, Radiol Clin North Am 1991; **29:** 711
Byrd SE; Osborn RE; Bohan TP; et al: CT and MR evaluation of migrational disorders of the brain: part I. lissencephaly and pachygyria, Pediatr Radiol 1989; **19:** 151
Byrd SE; Osborn RE; Bohan TP; et al: CT and MR evaluation of migrational disorders of the brain: part II. schizencephaly, heterotopia and polymicrogyria, Pediatr Radiol 1989; **19:** 219
Byrne BD See **Aggarwal S**
Byrne BD: magnetic resonance imaging of the spine: a method of vertebral localization, J Canad Assoc Radiol 1990; **41:** 108
Byrne JV; Kendall BE; Kingsley DPE; et al: lesions of the brain stem: assessment by magnetic resonance imaging, Neuroradiol 1989; **31:** 129
Byrne MJ See **Adams BK**
Byrne MN; Spector JG; Garvin CF; et al: preoperative assessment of parotid masses: a comparative evaluation of radiologic techniques to histopathologic diagnosis, (ab), Radiology 1989; **173:** 887
Byrne RA See **Winter RK**
Byse BH See **Simon M**
Bystrianyk RT See **Ergun DL**

C

Cabahug CJ; Shreeve WW; Bateman JL: peripheral enhancement in a hepatic hemangioma seen in a technetium-99m DTPA renal image, Clin Nucl Med 1989; **14:** 66
Caballero P: value of sonography in acute encephalomalacia: reply, Radiology 1991; **180:** 880
Caballero P; Del Campo L; Ocón E: cystic encephalomalacia in twin embolization syndrome, Radiology 1991; **178:** 892
Caballero T See **Fernandez PL**
Caballín MR See **Barrios L**
Cabanillas F; Fuller LM: radiologic assessment of the lymphoma patient from the standpoint of the clinician, Radiol Clin North Am 1990; **28:** 683
Cabello M See **Alvarez G**
Cabrera J See **Robinson L**
Cabrera V See **Maynar M**
Cacak RK: inconsistencies in mammographic phantoms used for ACR accreditation, Radiology 1991; **181:** 288
Caccamo D See **Bolen JW Jr**
Caccialanza M; Sopelana N: radiation therapy of keratoacanthomas: results in 55 patients, Int J Radiat Oncol Biol Phys 1989; **16:** 475
Cacciarelli AA; Kass EJ; Yang SS: urachal remnants: sonographic demonstration in children, Radiology 1990; **174:** 473
Cacciatore B: can the status of tubal pregnancy be predicted with transvaginal sonography? a prospective comparison of sonographic, surgical, and serum hCG findings, Radiology 1990; **177:** 481
Cacciatore B; Lehtovirta P; Wahlström T; et al: contribution of vaginal scanning to sonographic evaluation of endometrial cancer invasion, Acta Oncol 1989; **28:** 585
Cáceres J See **Mata JM**
Cáceres J; Mata JM; Lucaya J; Palmer J; Donoso L: general case of the day, Radiographics 1991; **11:** 161
Cáceres J; Mata JM; Palmer J; Zidan A; Donoso L: general case of the day, Radiographics 1991; **11:** 1143
Cacheris WP See **Geraldes CFGC**
Cachero S; Montgomery P; Seidel FG; et al: glomerulocystic kidney disease: case report, Pediatr Radiol 1990; **20:** 491
Cacioppo JC See **Diettrich NA**
Caco CC See **Ginsberg JS**
Cacoub P See **Deray G**
Cade SH See **Evans WP**
Cadigan P: polyorchidism diagnosed by ultrasound, Br J Radiol 1989; **62:** 82
Cady B See **Stone MD**
Cagnon CH; Benedict SH; Mankovich NJ; Bushberg JT; Seibert JA; Whiting JS: exposure rates in high-level-control fluoroscopy for image enhancement, Radiology 1991; **178:** 643
Cahill E See **Calandra JD**
Cahill PT See **Weingarten K**
Cai WM See **Xu GZ**
Cail WS See **Hurst RW**
Caillé JM See **Castel JC**
Caille J-M See **Grenier N**
Caillet H; Delvalle A; Doyon D; et al: visibility of cranial nerves at MRI, J Neuroradiol 1990; **17:** 289
Cain CA See **Borrelli MJ**
Cain TM; Fon GT; Brumby S; et al: plain film and arthrographic findings in painful total hip arthroplasties with surgical correlation, Australas Radiol 1990; **34:** 211
Caine ED See **Kido DK**
Cairnduff F See **Logue JP**
Cajade AG; Govoni AF; Chen Y-T: 58-year-old Vietnamese woman with a 1-month history of an enlarging right infraclavicular mass, Clin Imag 1990; **14:** 255
Cajander S See **Bäckström T**
Calais G See **Chauvet B**
Calais G See **de Toffol B**
Calais G See **Roth SL**
Calais G; Le Floch O; Chauvet B; et al: carcinoma of the uterine cervix stage IB and early stage II. prognostic value of the histological tumor regression after initial brachytherapy, Int J Radiat Oncol Biol Phys 1989; **17:** 1231
Calais G; Le Floch O; Descamps P; et al: radical hysterectomy for stage I and II endometrial carcinoma: a retrospective analysis of 179 cases, Int J Radiat Oncol Biol Phys 1991; **20:** 677
Calais G; Reynaud-Bougnoux A; Bougnoux P; et al: squamous cell carcinoma of the base of the tongue: results of treatment in 115 cases, Br J Radiol 1989; **62:** 849
Calais G; Reynaud-Bougnoux A; Garand G; et al: oropharynx carcinoma: irradiation alone *versus* induction chemotherapy plus irradiation—5 year results, Br J Radiol 1990; **63:** 340
Calais G; Vitu L; Descamps P; et al: preoperative or postoperative brachytherapy for patients with endometrial carcinoma stage I and II, Int J Radiat Oncol Biol Phys 1990; **19:** 523
Calamari GA; Govoni AF; Cash K: 9-year-old girl with a 4-week history of low back pain, Clin Imag 1990; **14:** 159
Calame W; Feitsma HIJ; Ensing GJ; et al: detection of a local staphylococcal infection in mice with technetium-99m-labeled polyclonal human immunoglobulin, J Nucl Med 1991; **32:** 468
Calandra JD; Ryerson TW; Cahill E: uptake of technetium-99m sulfur colloid by a breast carcinoma, Clin Nucl Med 1990; **15:** 432
Calandrino C; D'Ambra P: nonmedical personnel requirements for a pediatric radiology department, Pediatr Radiol 1989; **19:** 321
Calatayud C See **Pellicer A**
Caldemeyer KS; Harris TM; Smith RR; et al: gadolinium enhancement in acute disseminated encephalomyelitis, JCAT 1991; **15:** 673
Calder CJ See **Duddy MJ**
Calderwood SK See **Stevenson MA**
Caldwell JH See **Martin GV**
Caldwell JH; Martin GV; Link JM; et al: iodophenylpentadecanoic acid-myocardial blood flow relationship during maximal exercise with coronary occlusion, J Nucl Med 1990; **31:** 99
Caldwell RG See **Gonzalez JEG**

Caldwell RL See **Hurwitz RA**
Calero F; Rodriguez-Escudero F; Jimeno J; et al: single agent epirubicin in squamous cell cervical cancer: a phase II trial, Acta Oncol 1991; **30:** 325
Calhoun KH; Newton RC; Sanchez RL: angiolymphoid hyperplasia with eosinophilia: a case report and review of the literature, (ab), Radiology 1989; **172:** 589
Califf RM; Fortin DF; Frid DJ: restenosis after coronary angioplasty: an overview, (ab), JVIR 1991; **2:** 413
Calitchi E See **Otmezguine Y**
Calitchi E; Otmezguine Y; Feuilhade F; et al: external irradiation prior to conservative surgery for breast cancer treatment, Int J Radiat Oncol Biol Phys 1991; **21:** 325
Calkins AR; Rosenshein NB; Fox MG; et al: delayed split whole abdominal irradiation in the combined modality treatment of ovarian cancer, Int J Radiat Oncol Biol Phys 1991; **20:** 661
Call GK See **Brown PB**
Call GK; Bray PF; Smoker WRK; et al: carotid thrombosis following neck irradiation, Int J Radiat Oncol Biol Phys 1990; **18:** 635
Callahan LF See **Fuchs HA**
Callahan RJ See **Weissleder R**
Callanan NP See **Katz VL**
Callantine MR; Sovak M; Lu H-P: ioxilan: initial clinical observations, Invest Radiol 1990; **25:** S107
Callcott F See **Selby JB Sr**
Callebaut J; Dormont D; Dubois B; et al: contast-enhanced MR imaging of tuberculous pachymeningitis cranialis hypertrophica: case report, AJNR 1990; **11:** 821
Callen PW See **Filly RA**
Callen PW See **Goldstein RB**
Callicoat P See **Kern MJ**
Calligaro KD See **Bakal CW**
Callol L See **Alvarez-Sala R**
Calonge E See **Marti-Bonmati L**
Calvo FA; Henriquez I; Santos M; et al: intraoperative and external beam radiotherapy in advanced resectable gastric cancer: technical description and preliminary results, Int J Radiat Oncol Biol Phys 1989; **17:** 183
Calvo FA; Ortiz de Urbina D; Abuchaibe O; et al: intraoperative radiotherapy during lung cancer surgery: technical description and early clinical results, Int J Radiat Oncol Biol Phys 1990; **19:** 103
Calvo FA; Sierrasesúmaga L; Martin I; et al: intraoperative radiotherapy in the multidisciplinary treatment of pediatric tumors: a preliminary report on initial results, Acta Oncol 1989; **28:** 257
Calvo M See **Berjon JJ**
Calvo W See **Reinhold HS**
Calzado A See **Vañó E**
Calzado A; Vañó E; Morán P; et al: estimation of doses to patients from "complex" conventional x-ray examinations, Br J Radiol 1991; **64:** 539
Cama A See **Tortori-Donati P**
Camacho SA See **Gober JR**
Camargo EE See **Jeffery PJ**
Cambon P See **Bruneton J-N**
Cambria RP See **Brewster DC**
Camerini-Davalos RA See **Reddi AS**
Cameron A; Nicholson S; Nimrod C; et al: duplex ultrasonography of the fetal aorta, umbilical artery, and placental arcuate artery throughout normal human pregnancy, J Canad Assoc Radiol 1989; **40:** 145
Cameron AJ; Zinsmeister AR; Ballard DJ; et al: prevalance of columnar-lined (Barrett's) esophagus: comparison of population-based clinical and autopsy findings, (ab), Radiology 1991; **179:** 588
Cameron D See **Lemish W**
Cameron D: mattress suitable for use with tilting tables in a radiology department, Australas Radiol 1991; **35:** 79
Cameron DC See **Adler JS**
Cameron DC See **Morgan PW**
Cameron DC: egg whisk stone removal basket, Australas Radiol 1989; **33:** 105
Cameron DC: lightweight mobile theatre trolley for interventional procedures, Australas Radiol 1990; **34:** 273
Cameron DC: modified "tores" biopsy needle for use in C.T. guided mediastinal and paraspinal biopsy, Australas Radiol 1989; **33:** 101
Cameron DC; Guy D: design of a lightweight mobile chair for use with video fluoroscopy in the investigation of swallow disorders, Australas Radiol 1990; **34:** 274
Cameron DC; Tan EG; Da Cruz M; et al: simple prosthesis for ready access to the closed afferent limb of a hepatico-jejunostomy, Australas Radiol 1991; **35:** 75
Cameron JL See **Dooley WC**
Cameron JL See **Hamilton SR**
Cameron JL See **Savader SJ**
Cameron JL See **Trerotola SO**
Cameron JR See **DeWerd LA**
Camici P See **Bellina CR**
Camilien LD; Boyce JG: diagnostic imaging of gynecological diseases: the clinician's view, Urol Radiol 1991; **13:** 3
Camillo M See **Hatanaka H**
Cammoun D See **Chung CJ**
Campana F See **Fourquet A**
Campanile A See **Cersoli M**
Campanile S See **Cersoli M**
Campanini SD See **Beltran J**
Campbell C; Robertson DAR: case report: gas in an infected vascular prosthesis. an unusual finding on plain radiographs, Clin Radiol 1990; **41:** 60
Campbell CM; Khafagi FA: insensitivity of Tc-99m pertechnetate for detecting metastases of differentiated thyroid carcinoma, Clin Nucl Med 1990; **15:** 1
Campbell DM; Geraghty JG; McBride K; et al: radiologically controlled balloon dilatation of rectal strictures, Clin Radiol 1991; **44:** 77
Campbell DR See **Stokes KR**
Campbell DR; Flemming BK; Mason WF; et al: comparative study of the nephrotoxicity of iohexol, iopamidol and ioxaglate in peripheral angiography, J Canad Assoc Radiol 1990; **41:** 133
Campbell DR; Iles SE: spontaneous return of renal flow and function on technetium-99m scan in a patient with renal artery thrombosis following angioplasty, J Canad Assoc Radiol 1990; **41:** 389
Campbell DS See **Carstensen EL**
Campbell H See **Modi G**
Campbell IR; Warenius HM: radiation-induced cell death by chromatin loss: a model to explain the shape of low-linear-energy-transfer cell survical curves, Br J Radiol 1989; **62:** 338
Campbell J See **Kozlowski K**
Campbell JA See **Sheflin JR**
Campbell JB See **Kozlowski K**
Campbell JB See **Pazzaglia UE**
Campbell JB See **Peterson NE**
Campbell JB: contrast media in intussusception, Pediatr Radiol 1989; **19:** 293
Campbell JB; Condon VR: catheter removal of blunt esophageal foreign bodies in children: survey of the Society for Pediatric Radiology, Pediatr Radiol 1989; **19:** 361
Campbell JD; Hutchison KJ; Karpinski E: variation of Doppler ultrasound spectral width in the post-stenotic velocity field, Ultrasound Med Biol 1989; **15:** 611
Campbell MJ See **Bull AR**
Campbell O See **Micaily B**
Campbell OR; Amendola BE; Brady LW: recurrent pterygia: results of postoperative treatment with Sr-90 applicators, Radiology 1990; **174:** 565
Campbell RE: president's page, Radiographics 1989; **9:** 1017
Campbell RE: Radiological Society of North America 75th scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Radiology 1989; **172:** 575
Campbell RE: Radiological Society of North America, Inc, 1965–1989: a quarter century of rapid growth and progress, Radiology 1990; **175:** 1
Campbell RE: William J. Tuddenham, MD, Editor, *RadioGraphics*, 1981–1989, Radiology 1989; **173:** 559
Campbell RE; Siegelman SS: note of thanks, Radiology 1989; **173:** 863
Campbell RL See **Conway WF**
Campbell RSD See **Gilbert FJ**
Campbell S See **Jauniaux E**
Campbell S See **Stabile I**
Campbell WA See **Rodis JF**
Campbell WL See **Bauman J**
Campbell WL See **Greenler DP**
Campbell WL See **Kaplan SB**
Campbell WL See **Miller WJ**
Campbell WL See **Straub WH**
Campbell WL See **Zajko AB**
Campeau NG See **Holsinger-Bampton AE**
Campeau RJ; Garcia OM; Correa OA; et al: pectoralis muscle uptake of thallium-201 after arm exercise ergometry: possible confusion with lung thallium-201 activity, Clin Nucl Med 1990; **15:** 303
Campeau RJ; Graves C: pheochromocytoma associated with prior carotid body tumors (chemodectomas): detection with I-131 MIBG, Clin Nucl Med 1991; **16:** 511
Campeau RJ; Lichtenstein RJ; Ward TL; et al: incidental detection of hyperthyroidism during a perfusion lung scan for suspected pulmonary emboli, Clin Nucl Med 1991; **16:** 251
Campeau RJ; Rosales OR; Garcia OM; et al: resolution of hypertrophic pulmonary osteoarthropathy after radiotherapy in the absence of lung tumor response, Clin Nucl Med 1989; **14:** 453
Campfield T; Braden G: urinary oxalate excretion by very low birth weight infants receiving parenteral nutrition, (ab), Radiology 1990; **175:** 887
Campion EW See **Jonsson PV**
Campistol JM; Solé M; Muñoz-Gómez J; et al: pathological fractures in patients who have amyloidosis associated with dialysis, (ab), Radiology 1990; **177:** 294
Campling D See **Robbins MEC**
Campo A See **Cooper R**
Camponovo E See **Sherman JL**
Camponovo E; Buck JL; Drane WE: scintigraphic features of choledochal cyst, J Nucl Med 1989; **30:** 622
Camponovo EJ See **Willgress ER**
Camponovo EJ; Goyer PF; Silverman ED; et al: axillary iodine-131 accumulation due to perspiration, Clin Nucl Med 1990; **14:** 762
Campostrini F See **Di Marco A**
Campoy F Jr; Stiefel P; Stiefel E; et al: pilomatrix carcinoma: role played by MR imaging, Neuroradiol 1989; **31:** 196
Camps JA See **van Dam FJ**
Camps JAJ See **Breedveld FC**
Camúñez F; Echenagusia A; Prieto ML; et al: percutaneous nephrostomy in pyonephrosis, Urol Radiol 1989; **11:** 77
Canady A See **Slovis TL**
Canal P See **Julia AM**
Canal P See **Laurent F**
Canale PB See **Erickson SJ**
Canalis RF See **Han MH**
Canan V See **Rajfer J**
Canapicchi R; Padolecchia R; Puglioli M; et al: heterotopic gray matter: neuroradiological aspects and clinical correlations, J Neuroradiol 1990; **17:** 277
Canary PCV See **Pinto LHJ**
Cañas C See **Valls C**
Canavan L; Osborn RE: dural sinus air without head trauma or surgery: CT demonstration, JCAT 1991; **15:** 526
Candela FC See **Sener SF**
Candia G See **Edelman RR**
Caner BE See **Suto Y**
Cangemi JR See **Van Woert JH**
Caniano DA; Starr J; Ginn-Pease ME: extensive short-bowel syndrome in neonates: outcome in the 1980s, (ab), Radiology 1989; **173:** 295
Cann CE See **Faulkner KG**
Cann CE See **Hricak H**
Cann CE: skeletal structure-function revisited, Radiology 1991; **179:** 607
Canney PA; Dean S: transforming growth factor beta: a promotor of late connective tissue injury following radiotherapy?, Br J Radiol 1990; **63:** 620
Canning DA See **Burks DD**
Cannon WD Jr See **Deutsch AL**
Cano ER See **Weiser JC**
Canossi GC See **Marani SAD**
Cant PJ See **Hay M**
Cantaboni A See **DelMaschio A**
Cantarero JM See **Abad J**
Cantarero JM See **Ferrero A**
Cantell K See **Niiranen A**
Cantelmo NL See **Balshi JD**
Canter C See **Gutierrez F**
Canter CE See **Milunski MR**
Canter CE See **Mirowitz SA**
Cantin A See **Bégin R**
Cantineau R See **Lemaire C**
Cantor P See **Rehfeld JF**
Cantor RM: diagnostica per immagini in traumatologia (diagnostic imaging of trauma), Radiology 1991; **180:** 730
Cantos EL See **Chimon JL**
Cantos-Melian B; Arriaza-Loureda R; Aisa-Varela P: tibialis posterior nerve schwannoma mimicking Achilles tendinitis: ultrasonographic diagnosis, JCU 1990; **18:** 671
Cantrell CJ See **Fitzmorris-Glass R**
Cantwell DF See **McNicholas MMJ**
Canver CC; Ricotta JJ; Bhayana JN; et al: use of duplex imaging to assess suitability of the internal mammary artery for coronary artery surgery, (ab), Radiology 1991; **180:** 590
Capanna R; Van Horn JR; Biagini R; et al: aneurysmal bone cyst of the sacrum, Skeletal Radiol 1989; **18:** 109
Capece G See **Baldi C**
Capek P; Cope C: percutaneous treatment of superior vena cava syndrome, AJR 1989; **152:** 183
Capello W See **Swan JS**
Capello WN See **Kopecky KK**
Capitanio MA See **Taybi H**
Capitanio MA; Greenberg SB: pneumatosis intestinalis in two infants with rotavirus gastroenteritis, Pediatr Radiol 1991; **21:** 361
Caplan AL See **Priester R**
Caplan D See **Chaloupka JC**
Caplan LR See **DeWitt LD**
Caplan LR; Wolpert SM: angiography in patients with occlusive cerebrovascular disease: views of a stroke neurologist and neuroradiologist, AJNR 1991; **12:** 593

Capoferri C See **Pierro L**
Capp MP: subspecialization in radiology, AJR 1990; **155:** 451
Capp MP; Strautman PR; Kricun ME; Modic MT; Moss AA; Webb WR; Wood BP: image interpretation session, Radiographics 1990; **10:** 131
Capp MP; Strautman PR; Wood BP; Modic MT; Kricun ME; Moss AA; Webb WR: image interpretation session, Radiographics 1989; **9:** 973
Caprihan A; Griffey RH; Fukushima E: velocity imaging of slow coherent flows using stimulated echoes, Magn Res Med 1990; **15:** 327
Caprini JA See **Ghahremani G**
Capriotti C See **Yip YPL**
Capron F See **de Fenoyl O**
Capron J-P See **Delamarre J**
Capusten BM: atlas of mammography: histologic and mammographic correlations, Radiology 1989; **172:** 130
Capusten BM: brain imaging: an introduction, Radiology 1990; **175:** 200
Capusten BM: breast imaging, Radiology 1990; **176:** 56
Capusten BM: choosing your practice, Radiology 1990; **176:** 708
Capusten BM: Doppler color flow imaging, Radiology 1989; **170:** 874
Capusten BM: Doppler echocardiography, Radiology 1989; **171:** 206
Capusten BM: Gray's anatomy. 37th ed, Radiology 1990; **175:** 8
Capusten BM: hysterosalpingography and pelvic ultrasound, Radiology 1989; **172:** 114
Capusten BM: impact of functional imaging in neurology and psychiatry, Radiology 1989; **171:** 124
Capusten BM: radiographic processing and quality control, Radiology 1989; **172:** 266
Capusten BM: radiology administration: a business guide, Radiology 1990; **176:** 116
Capusten BM: ultrasonography of the shoulder, Radiology 1991; **178:** 446
Capusten BM: unborn patient: prenatal diagnosis and treatment. 2nd ed, Radiology 1991; **180:** 188
Caputi-Jambrenghi O See **Angelelli G**
Caputo GR See **Chang J-M**
Caputo GR See **Kondo C**
Caputo GR See **Parker DL**
Caputo GR See **Semelka RC**
Caputo GR See **Suzuki J-i**
Caputo GR: coronary arteries: potential for MR imaging, Radiology 1991; **181:** 629
Caputo GR; Higgins CB: advances in cardiac imaging modalities: fast computed tomography, magnetic resonance imaging, and positron emission tomography, Invest Radiol 1990; **25:** 838
Caputo GR; Kondo C; Masui T; Geraci SJ; Foster E; O'Sullivan MM; Higgins CB: right and left lung perfusion: in vitro and in vivo validation with oblique-angle, velocity-encoded cine MR imaging, Radiology 1991; **180:** 693
Caputo GR; Suzuki J-I; Kondo C; Cho H; Quaife R; Higgins CB; Parker DL: determination of left ventricular volume and mass with use of biphasic spin-echo MR imaging: comparison with cine MR, Radiology 1990; **177:** 773
Caputo MG; Reuter KL; Reale F: primary osteosarcoma of the uterus, Br J Radiol 1990; **63:** 578
Caravati EM; Bennett DL; McElwee NE: pediatric coin ingestion: a prospective study on the utility of routine roentgenograms, (ab), Radiology 1990; **175:** 591
Caravelli JF See **Heelan RT**
Caravelli JF See **Panicek DM**
Carbajal JR See **De Aluja AS**
Carballosa R See **Weisberg LA**
Carberry JN See **Lo WWM**
Carbin B-E See **Steinbeck G**
Carbonneau RJ See **Waite RJ**
Cardenas C See **Greenfield GB**
Cardenas D See **Hillman BJ**
Cardenas D See **Unger E**
Cardenes H See **Marcial-Vega VA**
Cardenosa G See **Gallagher WJ**
Cardenosa G See **Kopans DB**
Cardenosa G See **Mueller PR**
Cardenosa G See **Shin JH**
Cardenosa G; Eklund GW: benign papillary neoplasms of the breast: mammographic findings, Radiology 1991; **181:** 751
Cardenosa G; Eklund GW: paraffin block radiography following breast biopsies: use of orthogonal views, Radiology 1991; **180:** 873
Cardenosa G; Eklund GW: rate of compliance with recommendations for additional mammographic views and biopsies, Radiology 1991; **181:** 359
Cardenosa G; Papanicolaou N; Fung CY; et al: spermatic cord sarcomas: sonographic and CT features, Urol Radiol 1990; **12:** 163
Cardew AP See **Cooper SG**
Cardinal B See **Steiner RM**
Cardinal E See **del Carpio-O'Donovan R**
Cardona F See **Gallucci M**
Cardone BW See **Brandt TD**
Cardone G See **Pavone P**
Cardot JC See **Anguenot TJ**
Cardoza J See **Goldstein RB**
Cardoza JD See **Filly RA**
Cardoza JD See **Jeffrey RB Jr**
Cardullo PA See **Rohrer MJ**
Carella A See **Andreula CF**
Carella A; Resta M; D'Aprile P: contrast materials with low iodine concentration and intra-arterial digital subtraction angiography, J Neuroradiol 1990; **17:** 201
Carenfelt C See **Berg O**
Caresio JF; Bramble JM; Murphey MD: perimeter encoding for teleradiology, Invest Radiol 1990; **25:** 811
Caresio JF; McMillan JH; Batnitzky S: coexistent intra- and extracranial mass lesions: an unusual manifestation of histiocytosis X, AJNR 1991; **12:** 82
Carey BM; Robinson PJ; Jones WG: computed tomographic appearances of treated metastatic testicular tumours, Clin Radiol 1989; **40:** 406
Carey J See **Tobes MC**
Carey LS; O'Connor BD; Bach DB; et al: digital teleradiology: Seaforth—London network, J Canad Assoc Radiol 1989; **40:** 71
Carey M See **Shalev S**
Carey RG See **Dean BL**
Carey RW See **Choi NC**
Carey RW See **Hilgenberg AD**
Caride VJ See **Bekerman C**
Caride VJ See **Catania TA**
Caride VJ See **Hallisey MJ**
Caride VJ See **Marlatt SW**
Carl J See **Mathiesen O**
Carl U See **Rojas A**
Carl UM; Beck-Bornholdt H-P; Baumann M; et al: radiotherapy of the rhabdomyosarcoma R1H of the rat: postoperative radiotherapy, Int J Radiat Oncol Biol Phys 1990; **18:** 883
Carlier PG; Vaesen F; Gilles RG; et al: effect of oral contraception on water-suppressed proton NMR spectra of plasma, Magn Res Med 1991; **17:** 269
Carlier R; Monnet O; Idir ABC; et al: anterior and posterior hypopituitarism with pituitary stalk abnormalities, J Neuroradiol 1991; **18:** 49
Carlin BW; Harrell JH; Moser KM: treatment of endobronchial stenosis using balloon catheter dilatation, (ab), Radiology 1989; **170:** 582
Carlin M See **MacMahon H**
Carlo WA; Beoglos A; Siner BS; et al: neck and body position effects on pulmonary mechanisms in infants, (ab), Radiology 1990; **175:** 294
Carlon JC See **Morton MJ**
Carlsen SE; Bergin CJ: reactivation of tuberculosis in a donor lung after transplantation, AJR 1990; **154:** 495
Carlson HC; Maglinte DDT: barium examination of the small bowel, (ab), Radiology 1990; **174:** 898
Carlson JE See **Hedlund LJ**
Carlson JE See **Leach KR**
Carlson JE See **Ponomar E**
Carlson JE See **Yedlicka JW Jr**
Carlson JW See **Kramer DM**
Carlson JW: power deposition and noise correlation in NMR samples, Magn Res Med 1989; **10:** 399
Carlson JW; Kramer DM: rapid radiofrequency calibration in MRI, Magn Res Med 1990; **15:** 438
Carlson KA See **Schauwecker DS**
Carlson KL See **Hodge WA**
Carlson M See **Gilsanz V**
Carlson P; Crummy AB; Wojtowycz M; McDermott JC: safe route for deep pelvic biopsy with distention of the iliacus muscle, JVIR 1991; **2:** 277
Carlsson P See **Varenhorst E**
Carlsten J See **Hemmingsson A**
Carlstrom A See **Jacobsson B**
Carlton JC; Zagars GK; Oswald MJ: role of serum prostatic acid phosphatase in the management of adenocarcinoma of the prostate with radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1383
Carlucci M See **DelMaschio A**
Carman CS See **Merickel MB**
Carmeli R See **Engel A**
Carmi R See **Meizner I**
Carmichael J; Hickson ID: keynote address: mechanisms of cellular resistance to cytotoxic drugs and x-irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 197
Carmody DP See **Herman PG**
Carmody RF; Yang PJ; Seeley GW; Seeger JF; Unger EC; Johnson JE: spinal cord compression due to metastatic disease: diagnosis with MR imaging versus myelography, Radiology 1989; **173:** 225
Carnes KI; Drewniak JL; Dunn F: *in utero* measurement of ultrasonically induced fetal mouse temperature increases, Ultrasound Med Biol 1991; **17:** 373
Carney CE; Wong STS; Patz S: analytical solution and verification of diffusion effect in SSFP, Magn Res Med 1991; **19:** 240
Carney D See **Robinson ACR**
Carney DN See **Redmond OM**
Carney DN: biology of lung cancer: a review, Acta Oncol 1989; **28:** 1
Carney PL; Rogers PE; Johnson DK: dual isotope study of iodine-125 and indium-111-labeled antibody in athymic mice, J Nucl Med 1989; **30:** 374
Carney WI Jr See **Lambiase RE**
Carnochan P See **Cherry SR**
Carnovale RL See **Schoenfield LJ**
Caro CG; Parker KH: mechanics and imaging of the macrocirculation, Magn Res Med 1990; **14:** 179
Caro JJ; Trindade E; McGregor M: risks of death and of severe nonfatal reactions with high- vs low-osmolality contrast media: a meta-analysis, AJR 1991; **156:** 825
Caro PA; Mahboubi S; Faerber EN: computed tomography in the diagnosis of lymphangiomas in infants and children, Clin Imag 1991; **15:** 41
Caro PA; Mandell GA; Stanton RP: aneurysmal bone cyst of the spine in children. MRI imaging at 0.5 tesla, Pediatr Radiol 1991; **21:** 114
Carolan F See **Runge VM**
Carollo BR See **Runge VM**
Caron KH See **Ikeda DM**
Caron KH; DiPietro MA; Aisen AM; et al: MR imaging of early fibrodysplasia ossificans progressiva, JCAT 1990; **14:** 318
Caron KH; Hernandez RJ; Goble M; et al: MR imaging of double chambered left ventricle, JCAT 1991; **15:** 140
Carpenter BLM; Merten DF: radiographic manifestations of congenital anomalies affecting the airway, Radiol Clin North Am 1991; **29:** 219
Carpenter BM: pediatric body CT, Radiology 1989; **172:** 210
Carpenter BW: lymphoma of the appendix, Gastrointest Radiol 1991; **16:** 256
Carpenter DA See **Kossoff G**
Carpenter DA: sound velocity choice for modeling and measurement, Ultrasound Med Biol 1989; **15:** 523
Carpenter JT Jr See **Shin MS**
Carpenter RJ See **Deter RL**
Carpenter TA See **Shah NJ**
Carpenter TO See **Cooper SG**
Carpenter WA: meniscofemoral ligament simulating tear of the lateral meniscus: MR features, JCAT 1990; **14:** 1033
Carpentier WR; Gilliland PF; Piziak VK; et al: radioiodine uptake following iodine-131 therapy for Graves' disease: an early indicator of need for retreatment, Clin Nucl Med 1989; **14:** 15
Carper SW See **Harari PM**
Carr DH See **Carvalho PM**
Carr DH See **Hicks IP**
Carr DH See **Murch CR**
Carr P See **Lindeman GJ**
Carragher AM; Jackson PR; Panesar KJS: case report: subcutaneous herniation of gall-bladder with spontaneous cholecystocutaneous fistula, Clin Radiol 1990; **42:** 283
Carrasco CH See **Grignon DJ**
Carrasco CH See **Johnston JM**
Carrasco CH See **Lawrence DD**
Carrasco CH See **O'Keeffe FN**
Carrasco CH See **Pan G**
Carrasco CH See **Ribalta T**
Carrasco CH See **Wallace S**
Carrasco CH; Charnsangavej C; Raymond AK; Richli WR; Wallace S; Chawla SP; Ayala AG; Murray JA; Benjamin RS: osteosarcoma: angiographic assessment of response to preoperative chemotherapy, Radiology 1989; **170:** 839
Carrasco CH; Charnsangavej C; Richli WR; et al: osteosarcoma: interventional radiology in diagnosis and management, Semin Roentgenol 1989; **24:** 193
Carrasco CH; Richli WR; Lawrence D; et al: fine needle aspiration biopsy in lymphoma, Radiol Clin North Am 1990; **28:** 879
Carrasco CH; Wallace S; Richli WR: percutaneous skeletal biopsy, Cardiovasc Intervent Radiol 1991; **14:** 69
Carrasquillo JA See **Heinle A**
Carrasquillo JA See **Larson SM**
Carrasquillo JA See **Miller DL**
Carrasquillo JA See **Sakahara H**
Carrasquillo JA See **Yokoyama K**
Carrera GF See **Erickson SJ**
Carrera GF See **Wilson CR**
Carrera GF See **Xu GL**
Carreri AL See **Dognini L**
Carrier G See **LeBlanc J**

Carril JM See **Banzo I**
Carrillon Y See **Revel D**
Carrington BM See **Johnson RJ**
Carrington BM See **Sugimura K**
Carrington BM; Hricak H; Nuruddin RN; Secaf E; Laros RK Jr; Hill EC: Müllerian duct anomalies: MR imaging evaluation, Radiology 1990; **176:** 715
Carrington BM; Johnson RJ: vesicovaginal fistula: ultrasound delineation and pathological correlation, JCU 1990; **18:** 674
Carrington BM; Khan AN: emphysematous pyelitis in a Cushinoid patient mimicking a subphrenic abscess: diagnosis by sonography, JCU 1989; **17:** 453
Carrington BM; Thomas NB; Johnson RJ: intrasplenic metastases from carcinoma of the ovary, Clin Radiol 1990; **41:** 418
Carrington CB See **Friedman PJ**
Carrió I See **Duncker CM**
Carrión JR See **Jaén J**
Carrol CL See **Young SW**
Carroll BA See **Betz BW**
Carroll BA See **Genkins SM**
Carroll BA See **Kader KL**
Carroll BA See **Kay HH**
Carroll BA See **Kliewer MA**
Carroll BA See **Merritt CRB**
Carroll BA See **Roubidoux MA**
Carroll BA See **Warren LP Jr**
Carroll BA: carotid sonography, Radiology 1991; **178:** 303
Carroll BA: duplex Doppler systems in obstetric ultrasound, Radiol Clin North Am 1990; **28:** 189
Carroll BA: duplex sonography in patients with hemispheric symptoms, J Ultrasound Med 1989; **8:** 535
Carroll BA: obstetric duplex sonography in patients with lupus anticoagulant syndrome, J Ultrasound Med 1990; **9:** 17
Carroll BA: ultrasound case of the day, Radiographics 1991; **11:** 927
Carroll BA: ultrasound case of the day, Radiographics 1991; **11:** 1140
Carroll BA: US of the gastrointestinal tract, Radiology 1989; **172:** 605
Carroll BS See **Hertzberg BS**
Carroll FE See **Moore DE**
Carroll FE; Waters JW; Price RR; et al: near-monochromatic x-ray beams produced by the free electron laser and Comptom backscatter, Invest Radiol 1990; **25:** 465
Carroll FE Jr See **Worrell JA**
Carroll FE Jr; Parker RE; Loyd JE; et al: inexpensive, air-driven ventricular assist or replacement device for use in MR research, Invest Radiol 1990; **25:** 579
Carroll HJ See **Uribarri J**
Carroll NC See **Benson LS**
Carroll PR See **Semelka RC**
Carry MM See **Kahn JK**
Carsin M; Carsin-Nicol B; Rolland Y; et al: contribution of MRI to the diagnosis of ACTH-secreting pituitary adenomas: exploration of 9 patients with Cushing's disease, J Neuroradiol 1990; **17:** 255
Carsin M; Rolland Y; Gandon Y; et al: contribution of RMI to the diagnosis and post-therapeutic monitoring of brain stem tumours, J Neuroradiol 1990; **17:** 50
Carsin-Nicol B See **Carsin M**
Carson CC See **Cohan RH**
Carson DJ; Greeves LG; Sweeney LE; et al: osteopenia and phenylketonuria, Pediatr Radiol 1990; **20:** 598
Carson GC See **Klein A**
Carson JL See **Kelley MA**
Carson PJ See **Baker AJ**
Carson PL See **Adler DD**
Carson PL See **Rubin JM**
Carson PL See **Scherzinger AL**
Carson PL; Chiang EH; Rubin JM; et al: pre- to postnatal reduction in ultrasound attenuation coefficient of the liver, Invest Radiol 1991; **26:** 8
Carson PL; Meyer CR; Chiang EH; et al: ultrasound attenuation coeffficient in the fetal liver as a function of gestational age, Ultrasound Med Biol 1990; **16:** 399
Carson PL; Rubin JM; Chiang EH: constant soft tissue distance model in pregnancy, Ultrasound Med Biol 1989; **15:** S27
Carson PL; Rubin JM; Chiang EH: fetal depth and ultrasound path lengths through overlying tissues, Ultrasound Med Biol 1989; **15:** 629
Carson RE See **Grady CL**
Carson SC; Hertzberg BS; Bowie JD; et al: value of sonography in the diagnosis of intracranial hemorrhage and periventricular leukomalacia: a postmortem study of 35 cases, AJNR 1990; **11:** 677
Carson SC; Hertzberg BS; Bowie JD; et al: value of sonography in the diagnosis of intracranial hemorrhage and periventricular leukomalacia: a postmortem study of 35 cases, AJR 1990; **155:** 595
Carstensen EL See **Aymé EJ**
Carstensen EL See **Dalecki D**
Carstensen EL: NCRP/AIUM uniform absorption models, Ultrasound Med Biol 1989; **15:** S31
Carstensen EL; Campbell DS; Hoffman D; et al: killing of *Drosophila* larvae by the fields of an electrohydraulic lithotripter, Ultrasound Med Biol 1990; **16:** 687
Carstensen EL; Child SZ; Crane C; et al: lysis of cells in *Elodea* leaves by pulsed and continuous wave ultrasound, Ultrasound Med Biol 1990; **16:** 167
Carstensen EL; Hartman C; Child SZ; et al: test for kidney hemorrhage following exposure to intense, pulsed ultrasound, Ultrasound Med Biol 1990; **16:** 681
Carstensen J See **Hatschek T**
Carter B See **Bohning DE**
Carter B See **Dell'Italia LJ**
Carter BC See **McGhee RB Jr**
Carter BC See **Watanabe AT**
Carter CL; Allen C; Henson DE: relation of tumor size, lymph node status, and survival in 27,740 breast cancer cases, (ab), Radiology 1989; **172:** 586
Carter CS See **Read EJ**
Carter D See **Bates SM**
Carter D See **Kacinski BM**
Carter D See **Moran CA**
Carter D See **Taylor KJW**
Carter DJ See **Nazarian LN**
Carter DJ; Wiedmeyer DA; Antuono PG; et al: correlation of computed tomography and postmortem findings of a diffuse astrocytoma: a case report, Comput Med Imag Graph 1989; **13:** 491
Carter EC See **Dyet JF**
Carter HB; Brem RF; Tempany CM; Yang A; Epstein JI; Walsh PC; Zerhouni EA: nonpalpable prostate cancer: detection with MR imaging, Radiology 1991; **178:** 523
Carter J See **Desai SP**
Carter M See **Morgan PW**
Carter MP See **Lester JW Jr**
Carter R See **Carvalho P**
Carter R See **Moyes JSE**
Carter SR See **Davies AM**
Carter SR; Davies AM; Evans N; et al: value of bone scannning and computed tomography in fibrodysplasia ossificans progressiva, Br J Radiol 1989; **62:** 269
Carter TE See **Parker SH**
Carter TE See **Yakes WF**
Cartier MS See **Brown DL**
Cartier MS See **Felker RE**
Cartwright J Jr See **Truong LD**
Cartwright PS See **Fleischer AC**
Carty H See **Moss EH**
Carty H See **Walker J**
Carty H See **Wardle S**
Carty H: training in paediatric radiology, Clin Radiol 1989; **40:** 227
Carty H: ultrasound of the normal thymus in the infant: a simple method of resolving a clinical dilemma, Br J Radiol 1990; **63:** 737
Carty HM See **Close PJ**
Carty HML See **Thind CR**
Caruana B See **Freimanis MG**
Caruana V See **McLaughlin MG**
Caruana V See **Swayne LC**
Caruana V; Swayne LC; Diehl WL: scintigraphic localization of a bleeding leiomyosarcoma of the proximal jejunum, Clin Nucl Med 1991; **16:** 230
Caruana V; Swayne LC; Salaki JS: indium-111 WBC detection of emphysematous gastritis in pancreatitis, J Nucl Med 1990; **31:** 112
Carvalho P See **Banerjee AK**
Carvalho P See **Yeung EYC**
Carvalho P: sonographic demonstration of renal tumour extension into the contralateral renal vein, Br J Radiol 1989; **62:** 1093
Carvalho P; Baldwin D; Carter R; et al: accuracy of CT in detecting squamous carcinoma metastases in cervical lymph nodes, Clin Radiol 1991; **44:** 79
Carvalho P; Banerjee AK; Cheah FK; et al: case report: deep venous thrombosis diagnosed on indium-111 labelled white cell scanning, Clin Radiol 1991; **43:** 276
Carvalho P; Banerjee AK; Goodman A: computed tomography of rectal lymphoma, JCAT 1990; **14:** 379
Carvalho P; Kerr I: pulmonary neoplasms simulating interlobar pleural effusions, Clin Radiol 1991; **43:** 13
Carvalho P; Lavender JP: incidence and etiology of the ventilation/perfusion reverse mismatch defect, Clin Nucl Med 1989; **14:** 571
Carvalho PA See **Holman BL**
Carvalho PA; Schwartz RB; Alexander E III; et al: extracranial metastatic glioblastoma: appearance on thallium-201-chloride/technetium-99m-HMPAO SPECT images, J Nucl Med 1991; **32:** 322
Carvalho PdA See **Moriarty JA**
Carvalho PM; Carr DH: computed tomography of folded lung, Clin Radiol 1990; **41:** 86
Carver CD; Slovis TL: how many radiologic technologists are necessary to image patients efficiently in a pediatric radiology department?, AJR 1990; **155:** 187
Carver DK See **McCowan TC**
Carver DK See **Miller SF**
Carver DK See **Murphy TP**
Carver RA See **Okorie NM**
Carvlin MJ See **Choyke PL**
Carvlin MJ See **Fishman JE**
Carvlin MJ See **Matsumoto AH**
Carvlin MJ See **Runge VM**
Carvlin MJ See **Teitelbaum GP**
Carvlin MJ: introduction to radiobiology, Radiology 1991; **181:** 644
Carvlin MJ; Arger PH; Kundel HL; Axel L; Dougherty L; Kassab EA; Moore B: use of Gd-DTPA and fast gradient-echo and spin-echo MR imaging to demonstrate renal function in the rabbit, Radiology 1989; **170:** 705
Carvlin MJ; Asato R; Hackney DB; et al: high-resolution MR of the spinal cord in humans and rats, AJNR 1989; **10:** 13
Carvlin MJ; Modock RB: primer of medical radiobiology. 2nd ed, Radiology 1990; **175:** 344
Casado-Naranjo I; Lopez-Trigo J; Ferrandiz A; et al: hemorrhagic abscess in a patient with the acquired immunodeficiency syndrome, Neuroradiol 1989; **31:** 289
Casaer P See **Wilms G**
Casano VA See **Korobkin M**
Casanova A See **Prieto ML**
Casara D See **Lensing AWA**
Casarella WJ See **Skolkin MD**
Casarella WJ See **Torres WE**
Casas DJ; Tenesa M; Alastrué A; et al: case report: uncommon radiological and pathological features of giant colonic diverticula, Clin Radiol 1991; **44:** 125
Casasco A See **Hodes JE**
Casasco A See **Theron J**
Casasco A See **Yakes WF**
Cascade PN: quality improvement in diagnostic radiology, AJR 1990; **154:** 1117
Cascade PN; Kastan DJ: monitoring and evaluating the quality and appropriateness of angiographic/interventional radiologic procedures, Radiology 1990; **174:** 926
Cascino GD See **Jack CR Jr**
Case CC See **Siddle KJ**
Case JL See **Curé JK**
Case LD See **Dyer RB**
Casebow MP: modified synchronous shielding technique in rotation therapy, Br J Radiol 1990; **63:** 482
Casentini L See **Pozza F**
Casey MP See **Foley M**
Cash K See **Calamari GA**
Cashion RW See **Johnston DL**
Cashman P See **Broadhurst P**
Casillas J See **Fanney DR**
Casillas J See **Murphy BJ**
Casillas J; Joseph RC; Guerra JJ Jr: CT appearance of uterine leiomyomas, Radiographics 1990; **10:** 999
Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G: imaging of intra- and extraabdominal desmoid tumors, Radiographics 1991; **11:** 959
Casillas VJ See **Brown SM**
Casillas VJ See **Nunez D Jr**
Caskey CI See **Lewis ER**
Caskey CI See **Templeton PA**
Caskey CI; Templeton PA; Zerhouni EA: current evaluation of the solitary pulmonary nodule, Radiol Clin North Am 1990; **28:** 511
Caskey CI; Zerhouni EA: solitary pulmonary nodule, Semin Roentgenol 1990; **25:** 85
Caskey CI; Zerhouni EA; Fishman EK; Rahmouni AD: aging of the diaphragm: a CT study, Radiology 1989; **171:** 385
Caskey PF See **Schlesinger AE**
Caslowitz PL See **Labs JD**
Caslowitz PL; Labs JD; Fishman EK; et al: changing spectrum of splenic abscess, Clin Imag 1989; **13:** 201
Caslowitz PL; Labs JD; Fishman EK; et al: nontraumatic focal lesions of the spleen: assessment of imaging and clinical evaluation, Comput Med Imag Graph 1990; **14:** 133
Casola G See **D'Agostino HB**
Casola G See **Ken JG**
Casola G See **Macaulay SE**
Casola G See **vanSonnenberg E**
Casolo PM See **Marani SAD**
Casper ES See **Panicek DM**
Casper RF See **Gonen Y**
Caspi B; Gorbacz S; Appelman Z; et al: antenatal diagnosis of diastematomyelia, JCU 1990; **18:** 721
Caspi B; Schachter M; Lancet M: infected duplication cyst of ileum masquerading as an adnexal abscess—ultrasonographic features, JCU 1989; **17:** 431
Caspi B; Shoham (Schwartz) Z; Barash A; et al: sonographic demonstration of an intrauterine device perforating a uterine myoma, JCU 1989; **17:** 535

Cass AS See Ugarte R
Cass AS; Luxenberg M: accuracy of computed tomography in diagnosing renal artery injuries, (ab), Radiology 1990; **175:** 883
Cass AS; Luxenberg M: testicular injuries, (ab), Radiology 1991; **181:** 911
Cassady CI See Bassett LW
Cassady JR See Stea B
Cassady JR: keynote address: contributions of pediatric oncology: examples derived from advances made in the treatment of rhabdomyosarcoma and neuroblastoma, Int J Radiat Oncol Biol Phys 1991; **20:** 1177
Cassar-Pullicino VN See Davies AM
Cassar-Pullicino VN See Thomas EA
Cassar-Pullicino VN See Wakeley CJ
Cassar-Pullicino VN; Davies AM; Hubscher S; et al: nodular duodenum in chronic renal failure, Clin Radiol 1990; **41:** 326
Cassel DM; Birnberg FA: preventing pneumothorax after lung biopsy: the roll-over technique, Radiology 1990; **174:** 282
Cassell KJ; Gamble JM; Gerard-Martin S: dedicated microcomputer for a superficial radiotherapy unit, Br J Radiol 1990; **63:** 488
Casselman J See Wilms G
Casselman JW; Jolie E; Dehaene I; et al: gadolinium-enhanced MR imaging of infarction of the anterior spinal cord, AJNR 1991; **12:** 561
Cassidy DB; Goldstein RA; Wu DB; et al: apparent left ventricular aneurysm due to unilateral secretion of Tc-99m pertechnetate in a nursing mother with breast cancer, Clin Nucl Med 1990; **15:** 264
Cassidy EH See Berridge MS
Cassidy FP Jr See Widlus DM
Cassidy MM See Pflugfelder PW
Cassidy SC See Stanger P
Cassinis MC See Grosso M
Cassoni A See Ball ABS
Castaldi G See Orzincolo C
Castaldo JE; Nicholas GG; Gee W; et al: duplex ultrasound and ocular pneumoplethysmography concordance in detecting severe carotid stenosis, (ab), Radiology 1989; **173:** 884
Castaldo P; Stratta RJ; Wood RP; et al: clinical spectrum of fungal infections after orthotopic liver transplantation, (ab), Radiology 1991; **180:** 883
Castaneda AR; Trusler GA; Paul MH; et al: early results of treatment of simple transposition in the current era, (ab), Radiology 1989; **170:** 294
Castaneda F See Barnhart W
Castaneda F See Coleman CC
Castaneda F See Cragg AH
Castaneda F See Epstein DH
Castaneda F See Hunter DW
Castaneda F See Maynar M
Castaneda F See Smith TP
Castaneda F: transurethral balloon dilation of the prostate, (ab), Radiology 1990; **174:** 899
Castaneda F; Banno J; Brady T; et al: prostatic urethroplasty with balloon catheter as a nonsurgical alternative for benign prostatic hyperplasia, Radiol Clin North Am 1991; **29:** 591
Castaneda F; Castaneda-Zuniga WR: prostatic urethroplasty with balloon catheter as a nonsurgical alternative for prostatic hyperplasia, Urol Radiol 1990; **12:** 138
Castaneda F; Hernandez-Graulau JM; Castañeda-Zúñiga WR: interventional radiology of the lower urinary tract and its relationship to surgical treatment, Cardiovasc Intervent Radiol 1991; **14:** 205
Castaneda F; Hulbert JC; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K: perineal abscess after prostatic urethroplasty with balloon catheter: report of a case, Radiology 1990; **174:** 49
Castaneda F; Isorna S; Hulbert JC; et al: importance of separation of prostatic lobes in relief of prostatic obstruction by balloon catheter urethroplasty: studies in dogs and humans, AJR 1989; **153:** 1301
Castaneda F; Moradian GP; Epstein DH; et al: new technique for complete temporary occlusion of the ureter, AJR 1989; **153:** 81
Castaneda F; Moradian GP; Hunter DW; et al: percutaneous intravascular biopsy using a Simpson atherectomy catheter: technical note, Cardiovasc Intervent Radiol 1989; **12:** 342
Castaneda F; So SKS; Hunter DW; et al: reversible hepatic transplant ischemia: case report and review of literature, Cardiovasc Intervent Radiol 1990; **13:** 88
Castaneda-Zuniga W See Murphy TP
Castaneda-Zuniga WR See Becker GJ
Castaneda-Zuniga WR See Bildsoe MC
Castaneda-Zuniga WR See Boudreau RJ
Castaneda-Zuniga WR See Castaneda F
Castaneda-Zuniga WR See duCret RP
Castaneda-Zuniga WR See Epstein DH
Castaneda-Zuniga WR See Hedlund LJ
Castaneda-Zuniga WR See Hulbert JC
Castaneda-Zuniga WR See Leach KR
Castaneda-Zuniga WR See Letourneau JG
Castaneda-Zuniga WR See Maynar M
Castaneda-Zuniga WR See Nordstrom LA
Castaneda-Zuniga WR See Ponomar E
Castaneda-Zuniga WR See Repa I
Castaneda-Zuniga WR See Snider JF
Castaneda-Zuniga WR See Tadavarthy AK
Castaneda-Zuniga WR See Yedlicka JW Jr
Castaneda-Zuniga WR: esophageal strictures: balloon dilation: reply, Radiology 1989; **171:** 285
Castaneda-Zuniga WR: invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, JVIR 1991; **2:** 357
Castaner A See Cooper R
Casteels I See Demaerel P
Castel JC; Caillé JM: imaging of irradiated brain tumours: value of magnetic resonance imaging, J Neuroradiol 1989; **16:** 81
Castelijns JA See van den Brekel MWM
Castelijns JA; Golding RP; van Schaik C; Valk J; Snow GB: MR findings of cartilage invasion by laryngeal cancer: value in predicting outcome of radiation therapy, Radiology 1990; **174:** 669
Castell DO See Chen YM
Castelli G See Zola P
Castelli M See O'Malley BP
Castelli MJ See Posniak HV
Castellino RA See Bergin CJ
Castellino RA See Cheng J
Castellino RA See Marglin SI
Castellino RA See Pond GD
Castellino RA: lymph nodes of the posterior iliac crest: CT and lymphographic observations, Radiology 1990; **175:** 687
Castellino RA: non-Hodgkin lymphomas: practical concepts for the diagnostic radiologist, Radiology 1991; **178:** 315
Castellino RA; Billingham M; Dorfman RF: lymphographic accuracy in Hodgkin's disease and malignant lymphoma with a note on the "reactive" lymph node as a cause of most false-positive lymphograms, Invest Radiol 1990; **25:** 412
Castelló J See Ramos A
Castello R; Pearson AC; Labovitz AJ; et al: prevalence and clinical implications of atrial spontaneous contrast in patients undergoing transesophageal echocardiography, (ab), Radiology 1990; **177:** 892
Castillo J See Aliotta PJ
Castillo M See Chaloupka JC
Castillo M See Dixon WT
Castillo M See Fanney DR
Castillo M See Lewis CA
Castillo M See Oldham SAA
Castillo M See Silverstein MI
Castillo M: MRI: central nervous system, JMRI 1991; **1:** 300
Castillo M: neural foramen remodeling caused by a sequestered disk fragment, AJNR 1991; **12:** 566
Castillo M; Davis PC; Ross WK; et al: meningioma of the chiasm and optic nerves: CT and MR findings, JCAT 1989; **13:** 679
Castillo M; Davis PC; Takei YD; et al: intracranial cystic malignant fibrous histiocytoma in a child: sonographic and CT findings, Pediatr Radiol 1990; **20:** 194
Castillo M; Davis PC; Takei YD; et al: intracranial ganglioglioma: MR, CT, and clinical findings in 18 patients, AJNR 1990; **11:** 109
Castillo M; Davis PC; Takei YD; et al: intracranial ganglioglioma: MR, CT, and clinical findings in 18 patients, AJR 1990; **154:** 607
Castillo M; Hudgins PA; Hoffman JC Jr: lockjaw secondary to skull base osteochondroma: CT findings, JCAT 1989; **13:** 338
Castillo M; Hudgins PA; Malko JA; et al: flow-sensitive MR imaging of ventriculoperitoneal shunts: in vitro findings, clinical applications, and pitfalls, AJNR 1991; **12:** 667
Castillo M; Malko JA; Hoffman JC Jr: bright intervertebral disk: an indirect sign of abnormal spinal bone marrow on T1-weighted MR images, AJNR 1990; **11:** 23
Castillo M; Quencer RM; Green BA: cervical spinal cord injury after traumatic breech delivery, AJNR 1989; **10:** 599
Castillo M; Silverstein M; Hoffman JC Jr; et al: spontaneous thrombosis of a direct carotid cavernous sinus fistula: confirmation by Gd-DTPA–enhanced MR, AJNR 1989; **10:** 575
Castillo OA; Boyle ET Jr; Kramer SA: multilocular cysts of kidney: a study of 29 patients and review of literature, (ab), Radiology 1991; **181:** 612
Castle VP; Shulkin BL; Coates G; et al: use of indium-111 oxine platelet scintigraphy and survival studies in pediatric patients with thrombocytopenia, J Nucl Med 1989; **30:** 1819
Castrec-Carpo A See Brugières P
Castresana FG See González del Pino J
Castro BC See Bueno CE
Castro J See Linstadt D
Castro JR See Decker M
Castro JR See Linstadt DE
Castro JR See Nowakowski VA
Castro JR; Collier JM; Petti PL; et al: charged particle radiotherapy for lesions encircling the brain stem or spinal cord, Int J Radiat Oncol Biol Phys 1989; **17:** 477
Castro MMCA See Buster DC
Castro MMCA See Malloy CR
Castrucci M See DelMaschio A
Casty M See Stürm RP
Catafau AM; Lomeña FJ; Ricart MJ; et al: indium-111-labeled platelets in monitoring human pancreatic transplants, J Nucl Med 1989; **30:** 1470
Catala F See Marti-Bonmati L
Catalano MF; Levin B; Hart RS; et al: granulocytic sarcoma of the colon, (ab), Radiology 1991; **180:** 588
Catalano PM See Berstein IM
Cataltepe O See Tekkök IH
Catania TA; Caride VJ: single perfusion defect and pulmonary embolism: angiographic correlation, J Nucl Med 1990; **31:** 296
Catella G See Todros T
Caterino G See Rubaltelli L
Catizone F See Giacchetto C
Cats VM See Voorburg JAI
Catsikis BD; French WM; Norcus G; et al: CT diagnosis of bowel herniation at pelvic fracture site, JCAT 1989; **13:** 148
Cattan A See Marechal F
Cattau EL Jr See Zeman RK
Catterll CL See Sones RA
Catterall JJ; McCabe RE; Brooks RG; et al: open lung biopsy in patients with Hodgkin's disease and pulmonary infiltrates, (ab), Radiology 1989; **173:** 591
Cattin F See Bonneville JF
Catton C; Shulman H; Rusthoven J; et al: gated magnetic resonance imaging of metastatic intracardiac malignant fibrous histiocytoma, J Canad Assoc Radiol 1990; **41:** 96
Catz Z See McEwan AJB
Caudana R See Pistolesi GF
Cauquil P See Van Beers BE
Causey JQ See Hardeman SW
Cauthen GM See Rieder HL
Cauvin JC See He Z-X
Cavallaro A See di Marzo L
Cavallino RP See Madayag MA
Cavallin-Ståhl E See Juliusson G
Cavanna L See Civardi G
Cave RK; Rose SC; Miller FJ: gallbladder volvulus as a complication of percutaneous manipulation, JVIR 1990; **1:** 117
Cavin LW; Dalrymple GV; McGuire EL; et al: CNS tumor induction by radiotherapy: a report of four new cases and estimate of dose required, Int J Radiat Oncol Biol Phys 1990; **18:** 399
Cavouras D See Gourtsoyiannis N
Cawood JI See Pilbrow WJ
Cawthon MA See McDevitt GR Jr
Cawthorn RH See Houle S
Cazenave CR; Sievers KW; Kaude JV; et al: pulsatile flow index for qualitative measurements of blood flow with duplex ultrasound: an experimental study, Eur J Radiol 1989; **9:** 42
Cazenave FL; Glass-Royal MC; Barth KH: exchange of an obstructed loop nephrostomy catheter: technical note, Cardiovasc Intervent Radiol 1990; **13:** 327
Cazenave FL; Glass-Royal MC; Teitelbaum GP; et al: CT analysis of a safe approach for translumbar access to the aorta and inferior vena cava, AJR 1991; **156:** 395
Cazier A See Soyer P
Ceberg C See Wanying Q
Cebulska-Wasilewska A See Dorie MJ
Cecchini S See Ciatto S
Ceckler TL See Eng J
Ceckler TL See Ford CC
Ceckler TL See Fralix TA
Ceckler TL See Marshall EA
Ceckler TL; Gibson SL; Hilf R; et al: *in situ* assessment of tumor vascularity using fluorine NMR imaging, Magn Res Med 1990; **13:** 416
Cedars MI See Hankins GDV
Cederholm C See Golman K
Cederholm C; Almén T; Bergqvist D; et al: acute renal failure in rats: interaction between contrast media and temporary renal arterial occlusion, Acta Radiol 1989; **30:** 321
Cederlund T See Kihlén B
Cedermark B See Rutqvist LE
Cefalo RC See Toma SK
Ceglia E See Balzarini L
Ceglia E See Tesoro-Tess JD
Cehreli C; Gökçin A; Toktas FR; et al: detection of adrenal gland hyperplasia by abdominal ultrasonography in a patient with primary hyperaldosteronism, JCU 1991; **19:** 39

Celik H See **Peker S**
Celik L See **Acunas B**
Cellai E See **Olmi P**
Cellai E; Chiavacci A; Olmi P: causes of failure of curative radiation therapy in 205 early glottic cancers, Int J Radiat Oncol Biol Phys 1990; **19:** 1139
Cellai E; Olmi P; Chiavacci A; et al: computed tomography in nasopharyngeal carcinoma: part II: impact on survival, Int J Radiat Oncol Biol Phys 1990; **19:** 1177
Cellini N; Valentini V; de Santis M; et al: radiosurgical treatment compared to surgery alone for rectal cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1159
Cello JP See **Rockey DC**
Celsi G See **Hannerz L**
Cengiz K See **Demirci A**
Censor Y See **Powlis WD**
Cera PJ See **Johnsen DE**
Cerdan S; Lötscher HR; Künnecke B; et al: monoclonal antibody-coated magnetite particles as contrast agents in magnetic resonance imaging of tumors, Magn Res Med 1989; **12:** 151
Cereghini ME See **Pizzi GB**
Ceres L; Alonso I; López P; et al: ultrasound study of acute appendicitis in children with emphasis upon the diagnosis of retrocecal appendicitis, Pediatr Radiol 1990; **20:** 258
Çerezci A See **Altinörs N**
Cerino M See **Lette J**
Cerino M; Lette J; Eybalin M-C; et al: in vivo glomerular filtration rate measurement based solely on image processing, Clin Nucl Med 1991; **16:** 79
Cerofolini E; Landi A; DeSantis G; et al: MR of benign peripheral nerve sheath tumors, JCAT 1991; **15:** 593
Cerofolini E; Luchetti R; Pederzini L; et al: MR evaluation of triangular fibrocartilage complex tears in the wrist: comparison with arthrography and arthroscopy, JCAT 1990; **14:** 963
Ceroni L See **Rendina EA**
Cerqueira MD See **Jacobson AF**
Cerqueira MD See **Madanay LD**
Cerqueira MD; Jacobson AF: assessment of myocardial viability with SPECT and PET imaging, AJR 1989; **153:** 477
Cerqueira MD; Jacobson AF: indium-111 leukocyte scintigraphic detection of myocardial abscess formation in patients with endocarditis, J Nucl Med 1989; **30:** 703
Cersoli M; Campanile S; Campanile A; et al: unusual findings in Sturge-Weber syndrome, AJNR 1989; **10:** S85
Cervi PM See **Lupi L**
Cervi PM See **Merlo L**
Cervignon EG See **Aymard A**
Cervilla V See **Brahme SK**
Cervilla V See **Kjellin I**
Cervilla V See **Schweitzer ME**
Cervilla V; Haghighi P; Resnick D; et al: case report 596, Skeletal Radiol 1990; **19:** 135
Cervilla V; Schweitzer ME; Ho C; Motta A; Kerr R; Resnick D: medial dislocation of the biceps brachii tendon: appearance at MR imaging, Radiology 1991; **180:** 523
Cervoni J See **Dinh YRT**
Cesario T See **Packer SJ**
Céspedes I; Ophir J: diffraction correction methods for pulse-echo acoustic attenuation estimation, Ultrasound Med Biol 1990; **16:** 707
Céspedes M See **Ferrero A**
Cestari C See **Di Lelio A**
Cetas TC See **Stea B**
Çetin G See **Dogan R**
Ceulemans R See **Smet M-H**
Cha IH See **Park CM**
Cha SH See **Park JH**
Chaabane M; Krifa H; Ladeb MF; et al: cerebral candidiasis. computed tomography appearance, Pediatr Radiol 1989; **19:** 436
Chablani V See **Zajko AB**
Chabner BA; Shoemaker D: drug development for cancer: implications for chemical modifiers, Int J Radiat Oncol Biol Phys 1989; **16:** 907
Chacko AK See **Rubens D**
Chadduck WM See **Glasier CM**
Chadduck WM See **Seibert JJ**
Chadduck WM See **Williamson MR**
Chafetz NI See **Sotiropoulos S**
Chaffey MH; Klein JS; Gamsu G; Blanc P; Golden JA: radiographic distribution of *Pneumocystis carinii* pneumonia in patients with AIDS treated with prophylactic inhaled pentamidine, Radiology 1990; **175:** 715
Chaffin MJ See **Wilson DA**
Chaglassian TA See **Dershaw DD**
Chagnon S; Cochand-Priollet B; Gzaeli M; Jacquenod P; Roger B; Boccon-Gibod L; Blery M: pelvic cancers: staging of 139 cases with lymphography and fine-needle aspiration biopsy, Radiology 1989; **173:** 103
Chai X-L See **Teng G-J**
Chak SP; Gupta SM: scintigraphic detection of bile leakage after cholecystectomy, Clin Nucl Med 1990; **15:** 116
Chakera TMH See **Adler J**
Chakeres DW See **Bontozoglou NP**
Chakeres DW See **Brogan M**
Chakeres DW See **Curtin AJ**
Chakeres DW See **Huber SJ**
Chakeres DW See **Schmalbrock P**
Chakeres DW; Curtin A; Ford G: magnetic resonance imaging of pituitary and parasellar abnormalities, Radiol Clin North Am 1989; **27:** 265
Chakeres DW; Schmalbrock P; Brogan M; et al: normal venous anatomy of the brain: demonstration with gadopentetate dimeglumine in enhanced 3-D MR angiography, AJNR 1990; **11:** 1107
Chakeres DW; Schmalbrock P; Brogan M; et al: normal venous anatomy of the brain: demonstration with gadopentetate dimeglumine in enhanced 3-D MR angiography, AJR 1991; **156:** 161
Chakkaphak K See **Singcharoen T**
Chakraborty DP See **Arenson RL**
Chakraborty DP See **Barnes GT**
Chakraborty DP; Winter LHL: free-response methodology: alternate analysis and a new observer-performance experiment, Radiology 1990; **174:** 873
Chakravarthy AK See **Aisner SC**
Chakravarty SK See **Prakash R**
Chalabi F See **Rousseau HP**
Chalandon Y See **Buchegger F**
Chalaoui J See **Morency G**
Chalaoui J See **Samson L**
Chalaoui J; Samson L; Robillard P; Constantin A; Dussault RG: general case of the day, Radiographics 1990; **10:** 957
Chalk D See **Sundaram M**
Challa VR See **Elster AD**
Challa VR See **Moody DM**
Challis GB; Stam HJ: spontaneous regression of cancer: a review of cases from 1900 to 1987, Acta Oncol 1990; **29:** 545
Chalmers AG See **James PNE**
Chalmers TC See **Sacks HS**
Chaloupka JC; Castillo M; Hudgins P: Castleman disease in the neck: atypical appearance on CT, AJR 1990; **154:** 1051
Chaloupka JC; Gay BB Jr; Caplan D: campylobacter gastritis simulating Menetrier's disease by upper gastrointestinal radiography, Pediatr Radiol 1990; **20:** 200
Chamberlain DW See **Herman SJ**
Chamberlain DW See **Morrish WF**
Chamberlain J: insurance policy to reduce the risk of dying from breast cancer, Clin Radiol 1989; **40:** 1
Chamberlain MC; Press GA; Hesselink JR: MR imaging and CT in three cases of Sturge-Weber syndrome: prospective comparison, AJNR 1989; **10:** 491
Chambers AA See **Tomsick TA**
Chambers JT See **Chambers SK**
Chambers SE See **Hoskins PR**
Chambers SE; Muir BB; Haddad NG: ultrasound evaluation of ectopic pregnancy including correlation with human chorionic gonadotrophin levels, Br J Radiol 1990; **63:** 246
Chambers SK See **Kacinski BM**
Chambers SK See **Kier R**
Chambers SK; Chambers JT; Kier R; et al: sequelae of lateral ovarian transposition in irradiated cervical cancer patients, Int J Radiat Oncol Biol Phys 1991; **20:** 1305
Chambers SK; Chambers JT; Kohorn EI; et al: evaluation of the role of second-look surgery in ovarian cancer, (ab), Radiology 1989; **170:** 290
Chambon C See **Clement O**
Chambon C See **Le Mignon M-M**
Chamovitz DL; Knobel B: appearance of Ga-67 in the stomach from duodenogastric reflux, Clin Nucl Med 1991; **16:** 278
Champion GD See **Sambrook PN**
Champion P See **Müller NL**
Champlin RE; Kastenberg WE; Gale RP: radiation accidents and nuclear energy: medical consequences and therapy, (ab), Radiology 1989; **172:** 296
Champness P See **Jackson G**
Chamulak GA See **Knowles DM**
Chan A; Wong A; Arthur K: concomitant 5-fluorouracil infusion, mitomycin C and radical radiation therapy in esophageal squamous cell carcinoma, Int J Radiat Oncol Biol Phys 1989; **16:** 59
Chan C-Y See **Lin H-J**
Chan CY See **Pang JA**
Chan F-L See **Cheung Y-K**
Chan FL See **Sham JST**
Chan F-L; Man S-W; Leong LLY; Fan S-T: evaluation of recurrent pyogenic cholangitis with CT: analysis of 50 patients, Radiology 1989; **170:** 165
Chan FY; Pun TC; Lee CP; et al: comparative study of continuous- and pulsed-wave Doppler velocimetry in fetal and uteroplacental circulation, J Ultrasound Med 1991; **10:** 277
Chan H See **Jenkin D**
Chan HC See **Federico M**
Chan H-C See **Glockner JF**
Chan H-P See **Lam KL**
Chan H-P See **MacMahon H**
Chan H-P; Doi K; Vyborny CJ; et al: improvement in radiologists' detection of clustered microcalcifications on mammograms: the potential of computer-aided diagnosis, Invest Radiol 1990; **25:** 1102
Chan HS See **Pang JA**
Chan HS; Pang J: isolated giant tuberculomata of the liver detected by computed tomography, Gastrointest Radiol 1989; **14:** 305
Chan H-W See **Abdel-Nabi HH**
Chan JKC; Rosai J: tumors of the neck showing thymic or related branchial pouch differentiation: a unifying concept, (ab), Radiology 1991; **181:** 295
Chan K See **Weissman JL**
Chan K; Bosanko CM; Wang A-M: pruritus and paresthesia after IV administration of Gd-DTPA, AJNR 1989; **10:** S53
Chan KK See **Kerr CL**
Chan KK; Lou S-L; Huang HK: full-frame transform compression of CT and MR images, Radiology 1989; **171:** 847
Chan KK; Lou S-L; Huang HK: radiological image compression using full-frame cosine transform with adaptive bit-allocation, Comput Med Imag Graph 1989; **13:** 153
Chan KK; Taira RK: systems integration for PACS, Comput Med Imag Graph 1991; **15:** 177
Chan KW See **Chou CK**
Chan L See **Shapiro JI**
Chan M See **Price J**
Chan MKM See **Yip CKY**
Chan MSY See **Kreel L**
Chan NH See **Ajzen SA**
Chan O See **Chan TYK**
Chan O See **Colthurst JR**
Chan O See **Tung KT**
Chan O; Thomas ML: incidence of popliteal aneurysms in patients with arteriomegaly, Clin Radiol 1990; **41:** 185
Chan PSF See **Yip CKY**
Chan SY; Brunken RC; Buxton DB: cardiac positron emission tomography: the foundations and clinical applications, J Thorac Imag 1990; **5-3:** 9
Chan SY; Brunken RC; Phelps ME; et al: use of the metabolic tracer carbon-11-acetate for evaluation of regional myocardial perfusion, J Nucl Med 1991; **32:** 665
Chan TW; Dalinka MK; Kneeland JB; Chervrot A: biceps tendon dislocation: evaluation with MR imaging, Radiology 1991; **179:** 649
Chan TW; Dalinka MK; Steinberg ME; et al: MRI appearance of femoral head osteonecrosis following core decompression and bone grafting, Skeletal Radiol 1991; **20:** 103
Chan TW; Kressel HY; Milestone B; Tomachefski J; Schnall M; Rosato E; Daly J: rectal carcinoma: staging at MR imaging with endorectal surface coil. work in progress, Radiology 1991; **181:** 461
Chan TW; Listerud J; Kressel HY: combined chemical-shift and phase-selective imaging for fat suppression: theory and initial clinical experience, Radiology 1991; **181:** 41
Chan TYK See **Creagh MF**
Chan TYK; Serpell JW; Chan O; et al: misinterpretation of the upper parathyroid adenoma on thallium-201/technetium-99m subtraction scintigraphy, Br J Radiol 1991; **64:** 1
Chan V See **Herman TS**
Chan YW: magnetic resonance imaging in toxic encephalopathy due to podophyllin poisoning, Neuroradiol 1991; **33:** 372
Chanalet S See **Padovani B**
Chandarlapaty SKC See **Wolpe FM**
Chandler H See **Kattapuram SV**
Chandler WF See **Rubin JM**
Chandnani VP See **Beltran J**
Chandnani VP See **Chen C**
Chandnani VP See **Shaffer PB**
Chandnani VP See **Spaeth HJ**
Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA: acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Radiology 1990; **174:** 233
Chandnani VP; Ho C; Chu P; Trudell D; Resnick D: knee hyaline cartilage evaluated with MR imaging: a cadaveric study involving multiple imaging sequences and intraarticular injection of gadolinium and saline solution, Radiology 1991; **178:** 557
Chandorkar AB See **Merchant SA**
Chandra R See **Rusinek H**
Chandramouly BS; Scagnelli T; Burgess CK: artifact on iodine-131 whole body scan due to contaminated handkerchief, Clin Nucl Med 1989; **14:** 301
Chandramouly BS; Scagnelli T; Burgess CK: uptake of gallium in the mediastinum, Semin Nucl Med 1989; **19:** 247

Chandramouly BS; Scagnelli T; Nardi P; et al: indium-111 white blood cell imaging in suppurative peritonitis, Clin Nucl Med 1990; **15:** 268
Chandramouly BS; Scagnelli T; Sheth D: hemangiomas of the skull on radionuclide brain imaging, Clin Nucl Med 1989; **14:** 132
Chandrasekaran K See Karalis DG
Chandrasekhar H See Phatak MG
Chandrasoma P See Radin DR
Chandrasoma PT See Ashley DG
Chandrasoma PT See Kraichoke S
Chandy J See Cook JV
Chandy J See Davies AM
Chaney EL See Fishman EK
Chaney EL See Sailer SL
Chaney EL See Sherouse GW
Chang AE See Reinig JW
Chang AE See Speth PA
Chang AE See Yokoyama K
Chang BS See Anders KH
Chang C-C See Chieng P-U
Chang C-H See Klein MA
Chang CHJ See Bramble JM
Chang C-Y See Teng MMH
Chang D-B See Yang P-C
Chang H-C; Chang S-C; Kuo H-C; et al: transrectal sonographic cystourethrography: studies in stress urinary incontinence, (ab), Radiology 1991; **179:** 885
Chang JC; Lee D; Gross HM: acute thrombocytopenia after IV administration of a radiographic contrast medium, AJR 1989; **152:** 947
Chang J-M; Friese K; Caputo GR; et al: MR measurement of blood flow in the true and false channel in chronic aortic dissection, JCAT 1991; **15:** 418
Chang JY; Duara R; Barker W; et al: two behavioral states studied in a single PET/FDG procedure: error analysis, J Nucl Med 1989; **30:** 93
Chang KH See Han MH
Chang KH See Suh DC
Chang KH; Han MH; Choi YW; et al: tuberculous arachnoiditis of the spine: findings on myelography, CT, and MR imaging, AJNR 1989; **10:** 1255
Chang K-H; Han M-H; Roh J-K; et al: Gd-DTPA enhanced MR imaging in intracranial tuberculosis, Neuroradiol 1990; **32:** 19
Chang KH; Han MH; Roh JK; et al: Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, AJNR 1990; **11:** 69
Chang KH; Han MH; Roh JK; et al: Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, AJR 1990; **154:** 809
Chang KH; Lee JH; Han MH; et al: role of contrast-enhanced MR imaging in the diagnosis of neurocysticercosis, AJNR 1991; **12:** 509
Chang KH; Lee JH; Han MH; et al: role of contrast-enhanced MR imaging in the diagnosis of neurocysticercosis, AJR 1991; **157:** 393
Chang KH; Yi JG; Han MH; et al: clinical utility of partial flip angle T2-weighted spin-echo imaging of the brain, Neuroradiol 1990; **32:** 255
Chang L-H; Shirane R; Weinstein PR; et al: cerebral metabolite dynamics during temporary complete ischemia in rats monitored by time-shared ^{1}H nd ^{31}P NMR spectroscopy, Magn Res Med 1990; **13:** 6
Chang P See Friedland GW
Chang P; Friedland GW: hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate specific antigen, Radiology 1990; **175:** 581
Chang P; Friedland GW: role of imaging in screening for prostate cancer: a decision analysis perspective, Invest Radiol 1990; **25:** 591
Chang PC See Goldstein DS
Chang PJ See Marks MP
Chang PJ See Nino-Murcia M
Chang PJ: Bayesian analysis revisited: a radiologist's survival guide, AJR 1989; **152:** 721
Chang PJ; Nino-Murcia M; Kosek J: polypoid Menetrier's disease associated with acromegaly, Gastrointest Radiol 1990; **15:** 61
Chang PJ; Parker BR; Donaldson SS; Thompson EI: dynamic probabilistic model for determination of optimal timing of surveillance chest radiography in pediatric Hodgkin disease, Radiology 1989; **173:** 71
Chang R See Choyke PL
Chang R See Doppman JL
Chang R See Kaufman SL
Chang R See Miller DL
Chang S-C See Chang H-C
Chang T See Teng MMH
Chang T See Wang J-H
Chang T; Teng MMH; Guo W-Y; et al: CT of pineal tumors and intracranial germ-cell tumors, AJNR 1989; **10:** 1039
Chang T; Teng MMH; Guo W-Y; et al: CT of pineal tumors and intracranial germ-cell tumors, AJR 1989; **153:** 1269
Chang W See Kung HF
Chang WY See Chiou RK
Chang W-Y See Wang L-Y
Chang Y See Enzmann D
Chang YC See Yip P-K
Chang YCF See Arrivé L
Chang YCF See Hricak H
Chang YCF; Arrivé L; Hricak H: gynecologic tumor imaging, Semin US CT MR 1989; **10:** 29
Chang-Chien C-S See Lin H-H
Chang-Chien C-S; Lin H-H; Yen C-L; et al: sonographic demonstration of free air in perforated peptic ulcers: comparison of sonography with radiography, JCU 1989; **17:** 95
Chang-Fen L See Shao-Qin H
Chanin DS See Helenon O
Channer KS; Bukis E; Hartnell G; et al: myocardial bridging of the coronary arteries, Clin Radiol 1989; **40:** 355
Chantelois AE See Hopper KD
Chantelois AE; Parker SH; Sims JE; Horne DW: malacoplakia of the prostate sonographically mimicking carcinoma, Radiology 1990; **177:** 193
Chao C See Goldstein JD
Chao J See Ho BKT
Chao P See Dalinka MK
Chao PC See Zlatkin MB
Chao PW See Imai Y
Chao T-C See Greager JA
Chapelier A See Dartevelle PG
Chapelon C; Ziza JM; Piette JC; et al: neurosarcoidosis: signs, course and treatment in 35 confirmed cases, (ab), Radiology 1991; **179:** 887
Chapelon J-Y See Lewin PA
Chaplin DJ See Ogawa Y
Chaplin DJ See Trotter MJ
Chaplin DJ; Acker B; Olive PL: potentiation of the tumor cytotoxicity of melphalan by vasodilating drugs, Int J Radiat Oncol Biol Phys 1989; **16:** 1131
Chapman AH See Hall RI
Chapman B See Guilfoyle DN
Chapman B See Ordidge RJ
Chapman B See Stehling MK
Chapman B See Worthington BS
Chapman IM See Kitchener MI
Chapman JD See Matthews JHL
Chapman JD; Lee J; Meeker BE: keynote address: cellular reduction of nitroimidazole drugs: potential for selective chemotherapy and diagnosis of hypoxic cells, Int J Radiat Oncol Biol Phys 1989; **16:** 911
Chapman M See Siemann DW
Chapman ME; Reid JH: use of percutaneous nephrostomy in malignant ureteric obstruction, Br J Radiol 1991; **64:** 318
Chapman PD See Goodman LR
Chapman PR See Jolles PR
Chapman S See Nairn ER
Chapman S; Bundey S; Fletcher RF: severe dwarfism with cataracts. a new osteo-chondrodysplasia, Br J Radiol 1990; **63:** 971
Chapman S; Gray RGF; Constable TJ; et al: atypical radiological features of β-glucuronidase deficiency (mucopolysaccharidosis VII) occurring in an elderly patient from an inbred kindred, Br J Radiol 1989; **62:** 491
Chapman S; Hockley AD: calcification of an aneurysm of the vein of Galen, Pediatr Radiol 1989; **19:** 541
Chapman WC; Sharp KW; Weaver F; et al: tumor seeding from percutaneous biliary catheters, (ab), Radiology 1990; **174:** 289
Chapnick J See Birnbaum BA
Chapnik JS See Korentager R
Chapon F See de la Sayette V
Chappell PM; Kelly WM; Ercius M: primary sellar melanoma simulating hemorrhagic pituitary adenoma: MR and pathologic findings, AJNR 1990; **11:** 1054
Chapple C-L; Faulkner K: computerized calculation of radiation dose to patients from radiography, Br J Radiol 1990; **63:** 801
Chapple C-L; Faulkner K; Harrison RM: investigation into the performance of an automated quality assurance and dosimetry system in diagnostic radiology, Br J Radiol 1990; **63:** 635
Chapple ILC See Millett DT
Chapuis J-C; Keng PC; Siemann DW: activity of etoposide (VP-16) in human tumor cells under different growth conditions, Int J Radiat Oncol Biol Phys 1991; **20:** 373
Char D See Linstadt D
Char DH See Nowakowski VA
Charania B See Kolbenstvedt A
Charboneau JW See Bond JR
Charboneau JW See Lee RA
Charboneau JW See Lewis BD
Charboneau JW See Morton MJ
Charboneau JW See Reading CC
Charboneau JW; Reading CC; Welch TJ: CT and sonographically guided needle biopsy: current techniques and new innovations, AJR 1990; **154:** 1
Charboneau W See Grant CS
Chari MV See Horowitz BL
Charig MJ: case report: mediastinal Castleman's disease: a missed pre-operative diagnosis?, Clin Radiol 1990; **42:** 440
Charig MJ; Golding SJ; Lindsell DRM: osteosarcoma: an unusual thoracic metastasis, Br J Radiol 1990; **63:** 304
Charig MJ; Hindley AC; Lloyd K; et al: 'watch policy' in patients with suspected stage I testicular seminoma: CT as a sole staging and surveillance technique, Clin Radiol 1990; **42:** 40
Charig MJ; Williams MP: pulmonary lacunae: sequelae of metastases following chemotherapy, Clin Radiol 1990; **42:** 93
Charkes ND; Vitti RA; Brooks K: thallium-201 SPECT increases detectability of thyroid cancer metastases, J Nucl Med 1990; **31:** 147
Charles HC See Dewhirst MW
Charles HC See Grist TM
Charles HC See Maynor CH
Charles HC See Sostman HD
Charles HC See Weidman ER
Charles HC; Baker ME; Hathorn JW; et al: differentiation of radiation fibrosis from recurrent neoplasia: a role for ^{31}P MR spectroscopy?, AJR 1990; **154:** 67
Charleux F See Gindre-Barrucand T
Charlton DE See Humm JL
Charnley RM See Stehling MK
Charnley RM: imaging of colorectal carcinoma, Radiology 1990; **174:** 283
Charnsangavej C See Carrasco CH
Charnsangavej C See Coldwell DM
Charnsangavej C See Hall JT
Charnsangavej C See Mirich D
Charnsangavej C See O'Keeffe FN
Charnsangavej C See Varma DGK
Charnsangavej C See Wallace S
Charnsangavej C: lymphoma of the genitourinary tract, Radiol Clin North Am 1990; **28:** 865
Charny MC; Roberts GM; Beck P; et al: how good are case notes in the audit of radiological investigations?, Clin Radiol 1990; **42:** 118
Charrow J See Listernick R
Chase NE See Rusinek H
Chase NE: comments on interventional neuroradiology, Radiology 1991; **178:** 624
Chastanet P See L'Herminé C
Chastang C See Grenier P
Chatani M See Teshima T
Chatelain C: adjuvant cytotoxic chemotherapy in association with radical surgery or radical radiation treatment in presumably localized prostatic cancer, Acta Oncol 1991; **30:** 259
Chatham JC See Blackband SJ
Chatham JC See Constantinidis I
Chatten J See Eberenz W
Chatten J See Natowicz M
Chatterjee K See Auffermann W
Chattopadhyay C See Sargent MA
Chaturvedi U See Kapoor R
Chau W-K; Na A-T; Loh I-W; et al: real-time ultrasound diagnosis of intramural intestinal hematoma, JCU 1989; **17:** 382
Chaudhuri R: case of the month: an unusual case of pneumonia, Br J Radiol 1991; **64:** 175
Chaudhuri R; Salari R: Baker's cyst simulating deep vein thrombosis, Clin Radiol 1990; **41:** 400
Chauvet B See Calais G
Chauvet B; Reynaud-Bougnoux A; Calais G; et al: prognostic significance of breast relapse after conservative treatment in node-negative early breast cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1125
Chauvin F See Mornex F
Chavaudra N See Geara F
Chavaudra N See Malaise EP
Chavaudra N; Halimi M; Parmentier C; et al: initial slope of human tumor cell survival curves: its modification by the oxic cell sensitizer β-arabinofuranosyladenine, Int J Radiat Oncol Biol Phys 1989; **16:** 1267
Chawla SP See Carrasco CH
Chawla YK See Dilawari JB
Chawluk J See Alavi JB
Chawluk JB See Fazekas F
Chazaly JR See Monsein LH
Cheah FK See Carvalho P
Cheang M See Dyke C
Chéchile G See Vicente J
Checkley D; Johnstone D; Taylor K; et al: high-resolution NMR imaging of an antigen-induced arthritis in the rabbit knee, Magn Res Med 1989; **11:** 221
Checkneva YY See Sinitsyn VV
Chee CP; Habib ZA: hypodense bubbles in acute extradural haematomas following venous sinus tear: a CT scan appearance, Neuroradiol 1991; **33:** 152
Chehida FB See Gargouri M
Chelstrom LM See Song CW

Chen B-F See **Shih S-L**
Chen C See **Gale B**
Chen C; Chandnani VP; Kang HS; et al: insufficiency fracture of the sternum caused by osteopenia: plain film findings in seven patients, AJR 1990; **154:** 1025
Chen C; Chandnani VP; Kang HS; Resnick D; Sartoris DJ; Haller J: scapholunate advanced collapse: a common wrist abnormality in calcium pyrophosphate dihydrate crystal deposition disease, Radiology 1990; **177:** 459
Chen CC; Hoffer PB; Vahjen G; Gottschalk A; Koster K; Zubal IG; Setaro JF; Roer DA; Black HR: patients at high risk for renal artery stenosis: a simple method of renal scintigraphic analysis with Tc-99m DTPA and captopril, Radiology 1990; **176:** 365
Chen C-N See **Delannoy J**
Chen C-T See **Chen S-Y**
Chen C-T See **Dowd MT**
Chen C-T See **Levin DN**
Chen C-Y See **Ho PSP**
Chen DCP See **Arnstein NB**
Chen DCP See **Glaser AM**
Chen DCP See **Yeo E**
Chen F-h See **Han MH**
Chen F-M; Epstein AL; Li Z; et al: comparative autoradiographic study demonstrating differential intratumor localization of monoclonal antibodies to cell surface (Lym-1) and intracellular (TNT-1) antigens, J Nucl Med 1990; **31:** 1059
Chen GTY See **Levin DN**
Chen GTY See **Ling CC**
Chen GTY See **Pelizzari CA**
Chen GTY See **Roeske JC**
Chen GTY; Pelizzari CA: image correlation techniques in radiation therapy treatment planning, Comput Med Imag Graph 1989; **13:** 235
Chen H See **Lee VW**
Chen H-F See **Hsieh F-J**
Chen HH; Bernstein JR; Paige ML; Crampton AR: needle localization of nonpalpable breast lesions with a portable dual-grid compression system: work in progress, Radiology 1989; **170:** 687
Chen H-S See **Friedman PA**
Chen H-Y See **Wang P-W**
Chen H-Y; Chen S-J; Hsieh F-J: observation of cesarean section scar by transvaginal ultrasonography, Ultrasound Med Biol 1990; **16:** 443
Chen J See **Greenstein A**
Chen J; Smith R; Keller A; et al: spontaneous dissection of the vertebral artery: MR findings, JCAT 1989; **13:** 326
Chen JC; Hardy PA; Clauberg M; Joshi JG; Parravano J; Deck JHN; Henkelman RM; Becker LE; Kucharczyk W: T2 values in the human brain: comparison with quantitative assays of iron and ferritin, Radiology 1989; **173:** 521
Chen JC; Schneiderman JF; Wortzman G: methanol poisoning: bilateral putaminal and cerebellar cortical lesions on CT and MR, JCAT 1991; **15:** 522
Chen J-J; Huang S-J; Finn RD; et al: quality control procedure for 6-[^{18}F]fluoro-L-DOPA: a presynaptic PET imaging ligand for brain dopamine neurons, J Nucl Med 1989; **30:** 1249
Chen J-J; Lin H-H; Chiu C-T; et al: gallbladder perforation with intrahepatic abscess formation, JCU 1990; **18:** 43
Chen J-S See **Chen Y-T**
Chen JTT: plain radiographic evaluation of the aorta, J Thorac Imag 1990; **5-4:** 1
Chen J-Y See **Yang K-TA**
Chen MC-M See **Elizondo G**
Chen M-F; Hwang T-L; Hung C-F: human liver regeneration after major hepatectomy: a study of liver volume by computed tomography, (ab), Radiology 1991; **181:** 290
Chen MS See **Tang SGJ**
Chen M-S; Lin F-J; Hong C-H; et al: high-dose-rate afterloading technique in the radiation treatment of uterine cervical cancer: 399 cases and 9 years experience in Taiwan, Int J Radiat Oncol Biol Phys 1991; **20:** 915
Chen M-S; Lin F-J; Tang SG; et al: clinical significance of cranial nerve deficit in the therapy of nasopharyngeal carcinoma, Br J Radiol 1989; **62:** 739
Chen MYM See **Dyer RB**
Chen MYM See **Elster AD**
Chen MYM See **Gelfand DW**
Chen MYM See **Ott DJ**
Chen MYM; Elster AD: MR imaging of fatal atlantoaxial dislocaton caused by retropharyngeal abscess, AJNR 1990; **11:** 992
Chen MYM; Elster AD: simulation of syringomyelia by ventral median fissure, JCAT 1990; **14:** 841
Chen MYM; Ott DJ; Kelley TF; et al: impact of the small bowel study on patient management, Gastrointest Radiol 1991; **16:** 189
Chen MYM; Ott DJ; Peele VN; Gelfand DW: oropharynx in patients with cerebrovascular disease: evaluation with videofluoroscopy, Radiology 1990; **176:** 641
Chen MYM; Ott DJ; Richards B: impact and value of junior rotation in radiology, Invest Radiol 1990; **25:** 1153
Chen PC See **Dunn EK**
Chen PC; Ball WS Jr; Towbin RB: aggressive fibromatosis of the tongue: MR demonstration, JCAT 1989; **13:** 343
Chen S-C See **Liu T-Y**
Chen S-H See **Hoffmann KR**
Chen S-J See **Chen H-Y**
Chen SM: sky breast, Radiology 1989; **172:** 144
Chen S-S; Chou Y-H; Tiu C-M; et al: sonographic features of colovesical fistula, JCU 1990; **18:** 589
Chen S-T See **Thajeb P**
Chen S-Y; Lin W-C; Chen C-T: automated surface interpolation technique for 3-D object reconstruction from serial cross sections, Comput Med Imag Graph 1991; **15:** 265
Chen TB See **Hall RC**
Chen T-W See **Chou Y-H**
Chen WY-K See **Kepes JJ**
Chen YM See **Bohrer SP**
Chen YM See **Gelfand DW**
Chen YM See **Ott DJ**
Chen YM; Bohrer SP: coracoclavicular and coracoacromial ligament calcification and ossification, Skeletal Radiol 1990; **19:** 263
Chen YM; Ott DJ; Hewson EG; Richter JE; Wu WC; Gelfand DW; Castell DO: diffuse esophageal spasm: radiographic and manometric correlation, Radiology 1989; **170:** 807
Chen YM; Teague RS; Wolfman NT; et al: inverted Meckel's diverticulum, Comput Med Imag Graph 1989; **13:** 477
Chen Y-T See **Cajade AG**
Chen Y-T; Kan M-N; Chen J-S; et al: contributing factors to formation of left atrial spontaneous echo contrast in mitral valvular disease, J Ultrasound Med 1990; **9:** 151
Chen Y-T; Kan M-N; Chen J-S; et al: detection of prosthetic mitral valve leak: a comparative study using transesophageal echocardiography, transthoracic echocardiography, and auscultation, JCU 1990; **18:** 557
Chen Z See **Wu L-C**
Chenevert TL See **Adler RS**
Chenevert TL See **Aisen AM**
Chenevert TL See **Borrello JA**
Chenevert TL See **Francis IR**
Chenevert TL See **Glazer GM**
Chenevert TL See **Pipe JG**
Chenevert TL See **Williams DM**
Chenevert TL; Brunberg JA; Pipe JG: anisotropic diffusion in human white matter: demonstration with MR techniques in vivo, Radiology 1990; **177:** 401
Chenevert TL; Fechner KP; Gelblum DY: improvements in MR angiography using phase-corrected data sets, Magn Res Med 1989; **10:** 38
Chenevert TL; Pipe JG: effect of bulk tissue motion on quantitative perfusion and diffusion magnetic resonance imaging, Magn Res Med 1991; **19:** 261
Chenevert TL; Pipe JG; Williams DM; et al: quantitative measurement of tissue perfusion and diffusion *in vivo*, Magn Res Med 1991; **17:** 197
Cheng AY See **Graham ML**
Cheng AY See **Wong JW**
Cheng C-H See **Wong C-K**
Cheng CW See **Bornstein BA**
Cheng CW See **Chin LM**
Cheng DS See **Hause LL**
Cheng EH; Pavelock RR: multiple gastrointestinal tract diverticula, Gastrointest Radiol 1990; **15:** 282
Cheng H-M; Aguayo JB; Moore GJ; et al: analysis of diabetic cataractogenesis using chemical-shift nuclear magnetic resonance microscopy, Magn Res Med 1991; **17:** 62
Cheng H-M; Kwong KK; Xiong J; et al: GdDTPA-enhanced magnetic resonance imaging of the aqueous flow in the rabbit eye, Magn Res Med 1991; **17:** 237
Cheng J; Castellino RA: post-treatment calcification of mesenteric non-Hodgkin lymphoma: CT findings, JCAT 1989; **13:** 64
Cheng LOC See **Lee AWM**
Cheng SC See **Siffring PA**
Cheng TO: aneurysm formation after repair of coarctation of the aorta, Radiology 1991; **181:** 905
Cheng YF; Hung CF; Liu YH; et al: hepatic actinomycosis with portal vein occlusion, Gastrointest Radiol 1989; **14:** 268
Chenoweth CK; Kellogg SJ; Abu-Yousef MM: antenatal sonographic diagnosis of sirenomelia, JCU 1991; **19:** 167
Chenoweth J; Vas W: computed tomography demonstration of inferior lumbar (Petit's) hernia, Clin Imag 1989; **13:** 164
Chenoweth JL See **Patel BK**
Chenoweth JL; Patel B: needle holder for use with a biopsy gun, Radiology 1991; **181:** 285
Chernin M See **Hixson LJ**
Chernin MM See **Pond GD**
Chernish SM; Maglinte DDT: glucagon: common untoward reactions—review and recommendations, Radiology 1990; **177:** 145
Chernish SM; Maglinte DDT: reducing doses of glucagon used in radiologic examinations: reply, Radiology 1991; **179:** 286
Chernys AE See **Gero MJ**
Cherrick I See **Soberman N**
Cherry KJ Jr See **Hallett JW Jr**
Cherry SR; Carnochan P; Babich JW; et al: quantitative in vivo measurements of tumor perfusion using rubidium-81 and positron emission tomography, J Nucl Med 1990; **31:** 1307
Cherry SR; Dahlbom M; Hoffman EJ: 3D PET using a conventional multislice tomograph without septa, JCAT 1991; **15:** 655
Cherryman G; Golfieri R: comparison of spin echo T_1-weighted and FLASH 90° gadolinium-enhanced magnetic resonance imaging in the detection of cerebral metastases, Br J Radiol 1990; **63:** 712
Cherryman GR See **Husband JES**
Cherryman GR See **Olliff JFC**
Cherryman GR See **Williams MP**
Chervenak FA; McCullough LB: ethics in obstetric ultrasound, J Ultrasound Med 1989; **8:** 493
Chervrot A See **Chan TW**
Chesbrough RM; Burkhard TK; Martinez AJ; Burks DD: Gerota versus Zuckerkandl: the renal fascia revisited, Radiology 1989; **173:** 845
Chesebro K See **Beebe HG**
Chesis PL; Griffeth LK; Mathias CJ; et al: sex-dependent differences in N-(3-[^{18}F]fluoropropyl)-N-nordiprenorphine biodistribution and metabolism, J Nucl Med 1990; **31:** 192
Chesner IM See **Manns RA**
Chesney T See **Brown DL**
Chesnick AS See **Turner R**
Chesnick S See **Balaban RS**
Chesnick S See **Wolff SD**
Chespak LW See **Teitelbaum GP**
Chespak LW; Ring EJ; Shapiro HA; Gordon RL; Ostroff JW: multidisciplinary approach to complex endoscopic biliary intervention, Radiology 1989; **170:** 995
Chess Q See **Desai MB**
Chess Q See **Fagelman D**
Chetty KG See **Milne N**
Chetty N See **Adam A**
Chetty N See **Jackson JE**
Cheung AYC See **Gaspar LE**
Cheung CWD; Johnson AE: carcinoma of the breast: measurement and the management of treatment. I. the value of the data, Br J Radiol 1991; **64:** 29
Cheung CWD; Johnson AE: carcinoma of the breast: measurement and the management of treatment: II. the regression of tumours, Br J Radiol 1991; **64:** 121
Cheung K-L See **Chow W-H**
Cheung L See **McCarthy P**
Cheung N-KV See **Fletcher BD**
Cheung Y See **Noto AM**
Cheung YK See **Sham JST**
Cheung YK; Chan FL; Leong LLY; et al: biliary cystadenoma and cystadenocarcinoma: some unusual features, Clin Radiol 1991; **43:** 183
Cheung Y-K; Fung C-F; Chan F-L; et al: MRI features of spinal ganglioglioma, Clin Imag 1991; **15:** 109
Cheverud JM See **Vannier MW**
Chew FS See **Brown JH**
Chew FS See **Disler DG**
Chew FS See **Palmer WE**
Chew FS: radiologic manifestations in the musculoskeletal system of miscellaneous endocrine disorders, Radiol Clin North Am 1991; **29:** 135
Chew FS: standardization of the curriculum for resident education in diagnostic radiology, Invest Radiol 1990; **25:** 1258
Chew FS: use of a microcomputer to make rapid and inexpensive lecture slides, AJR 1989; **152:** 185
Chew FS; Disler DG: chondrosarcoma, AJR 1991; **156:** 1016
Chew FS; Smith PL; Barboriak D: candidal splenic abscesses, AJR 1991; **156:** 474
Chew FS; Weissleder R: mediastinal thymolipoma, AJR 1991; **157:** 468
Chew W See **Semelka RC**
Chew W; Kucharczyk J; Moseley M; et al: hyperglycemia augments ischemic brain injury: in vivo MR imaging/spectroscopic study with nicardipine in cats with occluded middle cerebral arteries, AJNR 1991; **12:** 603
Chew WM See **Auffermann W**
Chew WM See **Barakos JA**

Chew WM See **Schmiedl U**
Chew WM See **Tsuruda JS**
Chew WM; Hricak H: phosphorus-31 MRS of human testicular function and viability, Invest Radiol 1989; **24:** 997
Chew WM; Hricak H; McClure RD; Wendland MF: in vivo human testicular function assessed with P-31 MR spectroscopy, Radiology 1990; **177:** 743
Chezmar J See **Balfe DM**
Chezmar JL See **Baumgartner BR**
Chezmar JL See **Housman JF**
Chezmar JL See **Nelson RC**
Chezmar JL; Keith LL; Nelson RC; Plaire JC; Hertzler GL; Bernardino ME: liver transplant biopsies with a biopsy gun, Radiology 1991; **179:** 447
Chezmar JL; Nelson RC; Bernardino ME: portal venous gas after hepatic transplantation: sonographic detection and clinical significance, AJR 1989; **153:** 1203
Chezmar JL; Nelson RC; Malko JA; et al: hepatic iron overload: diagnosis and quantification by noninvasive imaging, Gastrointest Radiol 1990; **15:** 27
Chezmar JL; Nelson RC; Small WC; et al: magnetic resonance imaging of the pancreas with gadolinium-DTPA, Gastrointest Radiol 1991; **16:** 139
Chhem RK; Groleau S: aspect échographique de l'anévrisme de l'artère hépatique simulant une masse néoplasique du porta hepatis, J Canad Assoc Radiol 1989; **40:** 222
Chhem RK; Groleau S; Bui BT: échographie transpérinéale des masses présacrées, J Canad Assoc Radiol 1989; **40:** 304
Chi JG See **Choi BI**
Chi TL See **Medina L**
Chia BL; Yan PC; Ee BK; et al: two-dimensional echocardiography and Doppler color flow abnormalities in aortic root dissection, (ab), Radiology 1989; **171:** 588
Chiang BN See **Chou Y-H**
Chiang C-W See **Chua SO**
Chiang C-W See **Fang B-R**
Chiang EH See **Carson PL**
Chiang F See **Koci TM**
Chiang J-H See **Wang S-S**
Chiavacci A See **Cellai E**
Chiavacci A See **Olmi P**
Chiba Y; Kanzaki T; Kobayashi H; et al: evaluation of fetal structural heart disease using color flow mapping, Ultrasound Med Biol 1990; **16:** 221
Chichton KJ See **Anderson IF**
Chicola C See **Sue DE**
Chida K; Goto N; Kamikura I; et al: quantitative evaluation of pontine atrophy using computer tomography, Neuroradiol 1989; **31:** 13
Chien D See **Edelman RR**
Chien D; Atkinson DJ; Edelman RR: strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, JMRI 1991; **1:** 63
Chien D; Buxton RB; Kwong KK; et al: MR diffusion imaging of the human brain, JCAT 1990; **14:** 514
Chieng P-U; Huang T-S; Chang C-C; et al: reduced hypothalamic blood flow after radiation treatment of nasopharyngeal cancer: SPECT studies of 34 patients, AJNR 1991; **12:** 661
Chierego G See **Pozza F**
Chigira M; Shimizu T: computed tomographic appearances of sternocostoclavicular hyperostosis, Skeletal Radiol 1989; **18:** 347
Chignier E See **Lavandier B**
Chijiiwa Y See **Fujishima H**
Chilcote WA See **Einstein DM**
Chilcote WS: scatter dose from tangential breast irradiation to the uninvolved breast, Radiology 1991; **179:** 584
Child SZ See **Carstensen EL**
Child SZ See **Hartman C**
Child SZ; Hartman CL; Schery LA; et al: lung damage from exposure to pulsed ultrasound, Ultrasound Med Biol 1990; **16:** 817
Child SZ; Hoffman D; Norton S; et al: pulsed ultrasound and the hyperbarically exposed mouse fetus, Ultrasound Med Biol 1991; **17:** 367
Child SZ; Hoffman D; Strassner D; et al: test of I^2T as a dose parameter for fetal weight reduction from exposure to ultrasound, Ultrasound Med Biol 1989; **15:** 39
Chiles C See **Bass JC**
Chiles C See **Bergin CJ**
Chiles C See **Müller NL**
Chiles C See **Sherrier RH**
Chiles C: CT of the pulmonary hilum, Radiol Clin North Am 1990; **28:** 539
Chiles C: radiographic approach to diffuse lung disease, Radiol Clin North Am 1991; **29:** 919
Chiles C; Hawrot E; Gore J; et al: magnetic field modulation of receptor binding, Magn Res Med 1989; **10:** 241
Chiles C; Newman GE; Blinder RA: method for evaluating the bronchial circulation: preliminary observations, Invest Radiol 1990; **25:** 52
Chiles C; Sherrier RH: analysis of the solitary pulmonary nodule by means of digital techniques, J Thorac Imag 1990; **5-1:** 55
Chileuitt L See **Mintorovitch J**
Chilvers ER; Whyte MKB; Jackson JE; et al: effect of percutaneous transcatheter embolization on pulmonary function, right-to-left shunt, and arterial oxygenation in patients with pulmonary arteriovenous malformations, (ab), Radiology 1991; **178:** 587
Chimon JL; Cantos EL: CT recognition of spinal epidural air after pelvic trauma, JCAT 1990; **14:** 795
Chin LM; Cheng CW; Siddon RL; et al: three-dimensional photon dose distributions with and without lung corrections for tangential breast intact treatments, Int J Radiat Oncol Biol Phys 1989; **17:** 1327
Chin RB; Stauffer PR: treatment planning for ferromagnetic seed heating, Int J Radiat Oncol Biol Phys 1991; **21:** 431
Ching SV; Gillette SM; Powers BE; et al: radiation-induced ocular injury in the dog: a histological study, Int J Radiat Oncol Biol Phys 1990; **19:** 321
Chinn DH; Miller EI; Worthy LM; et al: sonographically detected fetal choroid plexus cysts: frequency and association with aneuploidy, J Ultrasound Med 1991; **10:** 255
Chinn DH; Towers CV; Beeman RG; et al: sonographically demonstrated intra-amniotic hemorrhage following transplacental genetic amniocentesis: frequency, sonographic appearance, and clinical significance, J Ultrasound Med 1990; **9:** 495
Chinn K; Kalisher L; Rickert RR: intracystic papillary breast carcinoma in a 55-year-old man: radiologic and pathologic correlation, J Canad Assoc Radiol 1989; **40:** 40
Chinol M See **Davis MA**
Chiostrini C See **Santoni R**
Chiou RK; Chang WY; Horan JJ: ureteral obstruction associated with prostate cancer: the outcome after percutaneous nephrostomy, (ab), Radiology 1991; **178:** 292
Chipperfield P See **Goodacre BW**
Chippindale AJ See **Patel BJ**
Chippindale AJ; Bisset RAL; Mamtora H: case report: two patients with symptomatic renal metastases, Clin Radiol 1989; **40:** 95
Chippindale AJ; Desai S: experience with the Merck small bowel enema tube, Clin Radiol 1989; **40:** 518
Chippindale AJ; Desai S: two unusual cases of pneumatosis coli, Clin Radiol 1991; **43:** 180
Chippindale AJ; Patel B; Eddleston B: spontaneous pneumothorax with metastatic seminoma, Br J Radiol 1989; **62:** 1100
Chiras J See **Pierot L**
Chiras J; Hassine D; Goudot P; et al: treatment of arteriovenous malformations of the mandible by arterial and venous embolization, AJNR 1990; **11:** 1191
Chirico PA See **Mirvis SE**
Chirico PA See **Morris CS**
Chirico PA; Mirvis SE; Kelman SE; et al: orbital "blow-in" fractures: clinical and CT features, JCAT 1989; **13:** 1017
Chirivella M See **Marti-Bonmati L**
Chiron C; Raynaud C; Dulac O; et al: study of the cerebral blood flow in partial epilepsy of childhood using the SPECT method, J Neuroradiol 1989; **16:** 317
Chisholm HL See **Panagopoulos KP**
Chisholm R See **Padley S**
Chisholm RA; Jones SN; Lees WR: fibrin sealant as a plug for the post liver biopsy needle track, Clin Radiol 1989; **40:** 627
Chisholm RA; Stenning S; Hawkins TD: accuracy of volumetric measurement of high-grade gliomas, Clin Radiol 1989; **40:** 17
Chisin R See **Brown AP**
Chisin R See **Mikulis DJ**
Chisin R; Buxton RB; Ragozzino MW; et al: preliminary clinical results with low flip angle spin-echo MR imaging of the head and neck, AJNR 1989; **10:** 719
Chitkara U; Cogswell C; Norton K; et al: choroid plexus cysts in the fetus: a benign anatomic variant or pathologic entity? report of 41 cases and review of the literature, (ab), Radiology 1989; **170:** 585
Chitty L See **Jauniaux E**
Chiu C-T See **Chen J-J**
Chiu E See **Liang R**
Chiu L See **To SYC**
Chiu MC See **Terbrugge K**
Chiu ML; Kronauge JF; Piwnica-Worms D: effect of mitochondrial and plasma membrane potentials on accumulation of hexakis (2-methoxyisobutylisonitrile)technetium(I) in cultured mouse fibroblasts, J Nucl Med 1990; **31:** 1646
Chiu MT See **Kelsey CA**
Chiu-Tsao S-T See **Roy JN**
Chiu-Tsao S-t See **Wallner K**
Cho B-H See **Song H-Y**
Cho H See **Caputo GR**
Cho J-S; Kim EE; Varma DGK; et al: MR imaging of hepatosplenic candidiasis superimposed on hemochromatosis, JCAT 1990; **14:** 774
Cho KC See **Megibow AJ**
Cho KC; Baker SR: air in the fissure for the ligamentum teres: new sign of intraperitoneal air on plain radiographs, Radiology 1991; **178:** 489
Cho KC; Hoffman-Tretin JC; Alterman DD: closed-loop obstruction of the small bowel: CT and sonographic appearance, JCAT 1989; **13:** 256
Cho KC; Lucak SL; Delany HM; et al: CT appearance in tuberculous pancreatic abscess, JCAT 1990; **14:** 152
Cho KC; Morehouse HT; Alterman DD; Thornhill BA: sigmoid diverticulitis: diagnostic role of CT—comparison with barium enema studies, Radiology 1990; **176:** 111
Cho KC; Simmons MZ; Baker SR; et al: spontaneous dissection of air into the transverse mesocolon during double-contrast barium enema, Gastrointest Radiol 1990; **15:** 76
Cho KJ See **Andrews JC**
Cho KJ See **Greenfield LJ**
Cho KJ; Andrews JC; Williams DM; Doenz F; Guy GE: hepatic arterial chemotherapy: role of angiography, Radiology 1989; **173:** 783
Cho KJ; Fanders B; Smid A; et al: experimental hepatic artery embolization with a collagen embolic agent in rabbits: a microcirculatory study, Invest Radiol 1989; **24:** 371
Cho KJ; Vinik AI: effect of somatostatin analogue (octreotide) on blood flow to endocrine tumors metastatic to the liver: angiographic evaluation, Radiology 1990; **177:** 549
Cho OK See **Lim JH**
Cho PS See **Huang HK**
Cho ZH See **Ahn CB**
Cho ZH See **Jung KJ**
Cho ZH See **Kim DJ**
Cho ZH See **Kim JH**
Cho ZH See **Lee SY**
Cho ZH See **Oh CH**
Cho ZH See **Ra JB**
Cho ZH; Jung KJ; Ro YM: MR Fourier transform arteriography using spectral decomposition, Magn Res Med 1990; **16:** 226
Cho ZH; Mun CW; Friedenberg RM: NMR angiography of coronary vessels with 2-D planar image scanning, Magn Res Med 1991; **20:** 134
Chobanian SJ See **Winters C Jr**
Chodak G: prostate cancer: to screen or not to screen, Acta Oncol 1991; **30:** 285
Chodak G: treatment of early prostatic cancer, Acta Oncol 1991; **30:** 243
Chodak GW See **Farah R**
Chodirker BN; Roy D; Greenberg CR; et al: computer assisted analysis of hand radiographs in infantile hypophosphatasia carriers, Pediatr Radiol 1991; **21:** 216
Choe KO See **Lee JD**
Choe KO; Jeong HJ; Sohn HY: tuberculous bronchial stenosis: CT findings in 28 cases, AJR 1990; **155:** 971
Choi BI See **Kim SH**
Choi BI; Chi JG; Kim SH; et al: MR imaging of retroperitoneal teratoma: correlation with CT and pathology, JCAT 1989; **13:** 1083
Choi BI; Han JK; Kim SH; et al: MR findings in liver adenomatosis, Gastrointest Radiol 1991; **16:** 234
Choi BI; Han MC; Kim C-W: small hepatocellular carcinoma versus small cavernous hemangioma: differentiation with MR imaging at 2.0 T, Radiology 1990; **176:** 103
Choi BI; Han MC; Park JH; et al: giant cavernous hemangioma of the liver: CT and MR imaging in 10 cases, AJR 1989; **152:** 1221
Choi BI; Han JK; Park YH; Yoon YB; Han MC; Kim C-W: retained intrahepatic stones: treatment with piezoelectric lithotripsy combined with stone extraction, Radiology 1991; **178:** 105
Choi BI; Han JK; Song IS; et al: intraoperative sonography of hepatocellular carcinoma: detection of lesions and validity in surgical resection, Gastrointest Radiol 1991; **16:** 329
Choi BI; Im J-G; Han MC; et al: hepatosplenic tuberculosis with hypersplenism: CT evaluation, Gastrointest Radiol 1989; **14:** 265
Choi BI; Kim HJ; Han MC; et al: CT findings of clonorchiasis, AJR 1989; **152:** 281
Choi BI; Kim C-W; Han MC; et al: sonographic characteristics of small hepatocellular carcinoma, Gastrointest Radiol 1989; **14:** 255
Choi BI; Lee WJ; Chi JG; et al: CT manifestations of peritoneal leiomyosarcomatosis, AJR 1990; **155:** 799

Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W: hilar cholangiocarcinoma: comparative study with sonography and CT, Radiology 1989; **172:** 689
Choi BI; Lee GK; Kim ST; et al: mosaic pattern of encapsulated hepatocellular carcinoma: correlation of magnetic resonance imaging and pathology, Gastrointest Radiol 1990; **15:** 238
Choi BI; Lim JH; Han MC; Lee DH; Kim SH; Kim YI; Ki C-W: biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Radiology 1989; **171:** 57
Choi BI; Park JH; Kim BH; et al: small hepatocellular carcinoma: detection with sonography, computed tomography (CT), angiography and Lipiodol-CT, Br J Radiol 1989; **62:** 897
Choi BI; Yeon KM; Kim SH; Han MC: Caroli disease: central dot sign in CT, Radiology 1990; **174:** 161
Choi C See **Kim S**
Choi EW See **Lee KS**
Choi H See **Rifkin MD**
Choi H; Varma DGK; Fornage BD; et al: soft-tissue sarcoma: MR imaging vs sonography for detection of local recurrence after surgery, AJR 1991; **157:** 353
Choi HY See **Kurtz AB**
Choi IS; Berenstein A; Kagetsu NJ: irrigation device for neuroangiographic procedures, Radiology 1990; **177:** 580
Choi K See **Rotman M**
Choi K-C See **Song H-Y**
Choi MJ See **Coleman AJ**
Choi NC; Carey RW: importance of radiation dose in achieving improved loco-reginal tumor control in limited stage small-cell lung carcinoma: an update, Int J Radiat Oncol Biol Phys 1989; **17:** 307
Choi NC; Kanarek DJ; Grillo HC: effect of postoperative radiotherapy on changes in pulmonary function in patients with stage II and IIIA lung carcinoma, Int J Radiat Oncol Biol Phys 1990; **18:** 95
Choi P See **Kung AWC**
Choi PHK See **Sham JST**
Choi SK; Bowers RP; Buckthal PE: MR imaging in hypertrophic neuropathy: a case of hereditary motor and sensory neuropathy, type I (Charcot-Marie-Tooth), Clin Imag 1990; **14:** 204
Choi Y; Hawkins RA; Huang S-C; et al: parametric images of myocardial metabolic rate of glucose generated from dynamic cardiac PET and 2-[^{18}F]fluoro-2-deoxy-d-glucose studies, J Nucl Med 1991; **32:** 733
Choi YM See **Kim SH**
Choi YW See **Chang KH**
Cholankeril J See **Lin-Greenberg A**
Cholankeril JV; Ravipati M; Khedekar S; et al: unusually large sialocele: CT characteristics, JCAT 1989; **13:** 367
Chomka E See **Rich S**
Chomyn JJ; Craven WM; Groves BM; Durham JD: percutaneous removal of a Gianturco coil from the pulmonary artery with use of flexible intravascular forceps, JVIR 1991; **2:** 105
Chon Y-H See **Kang W-M**
Chong BW; Weisbrod GL; Herman S: atypical collapse of the upper lobe of the right lung simulating combined right upper and middle lobe collapse: report of two cases, J Canad Assoc Radiol 1990; **41:** 358
Chong WK; Constant OC: case report: gastrobronchial fistula, Clin Radiol 1990; **41:** 141
Chong WK; Cross FW; Raphael MJ: case report: iliac artery rupture during percutaneous angioplasty, Clin Radiol 1990; **41:** 358
Choong M See **Phillips GWL**
Choong M; Phillips GWL: gallstone dissolution by methyl-tert-butyl ether (MTBE) via percutaneous transhepatic cholecystostomy, Australas Radiol 1990; **34:** 339
Choong MK; Phillips GWL: renal transitional cell carcinoma mimicking medullary sponge kidney, Br J Radiol 1991; **64:** 275
Choplin RH See **Hanna JW**
Choplin RH See **Smith GM**
Chopp M See **Hetzel FW**
Chopra MK See **Prakash R**
Chotas HG; Dobbins JT III; Floyd CE Jr; et al: single-exposure conventional and computed radiography image acquisition, Invest Radiol 1991; **26:** 438
Chotas HG; Floyd CE Jr; Dobbins JT III; Lo JY; Ravin CE: scatter fractions in AMBER imaging, Radiology 1990; **177:** 879
Chotas HG; Van Metter RL; Johnson GA; Ravin CE: small object contrast in AMBER and conventional chest radiography, Radiology 1991; **180:** 853
Chou C See **Wang S-C**
Chou CK; McDougall JA; Chan KW; et al: effects of fat thickness on heating patterns of the microwave applicator MA-151 at 631 and 915 MHz, Int J Radiat Oncol Biol Phys 1990; **19:** 1067
Chou JL See **Pryzant RM**
Chou ST See **Hennessy OF**
Chou ST See **Phillips GWL**
Chou Y-H See **Chen S-S**
Chou Y-H; Tiu C-M; Chen T-W; et al: emphysematous pyelonephritis in a polycystic kidney: demonstration by ultrasound and computed tomography, J Ultrasound Med 1990; **9:** 355
Chou Y-H; Tiu C-M; Chiang BN; et al: real-time and image-directed Doppler ultrasonography in deep femoral artery pseudoaneurysm: a new observation with graded compression of the femoral artery, JCU 1991; **19:** 438
Chou Y-H; Tiu C-M; Lui W-Y; et al: mesenteric and omental cysts: an ultrasonographic and clinical study of 15 patients, Gastrointest Radiol 1991; **16:** 311
Choudhary V See **Misra SP**
Choudhri AH See **McCarty M**
Choudhri AH; Rowlands PC; Barber CJ; et al: outpatient myelography: an acceptable and cost-effective technique, Br J Radiol 1989; **62:** 253
Chougule P; Aygun C; Salazar O; et al: radiation therapy for transitional cell bladder carcinoma: a ten-year experience, (ab), Radiology 1989; **171:** 292
Chouraqui P; Maddahi J; Henkin R; et al: comparison of myocardial imaging with iodine-123-iodophenyl-9-methyl pentadecanoic acid and thallium-201-chloride for assessment of patients with exercise-induced myocardial ischemia, J Nucl Med 1991; **32:** 447
Choux R See **Agostini S**
Chovanes GI See **Kricun R**
Chow CC See **Birchall IWJ**
Chow CC; Haney P: abdominal wall cyst: a complication of ventriculoperitoneal shunting, Pediatr Radiol 1991; **21:** 305
Chow CH See **Lane RG**
Chow CW See **Fredericks BJ**
Chow H; Lane RG; Rosen II: uncertainty in dose estimation for gynecological implants, Int J Radiat Oncol Biol Phys 1990; **19:** 1555
Chow K See **Gibney RG**
Chow K-S See **Wu CC**
Chow LC; Dittrich HC; Hoit BD; et al: Doppler assessment of changes in rightsided cardiac hemodynamics after pulmonary thromboendarterectomy, (ab), Radiology 1989; **170:** 586
Chow P See **Koci TM**
Chow S See **Kimme-Smith C**
Chow T-C See **Chow W-H**
Chow W-H; Ng THK; Chow T-C; et al: free-floating *Aspergillus* vegetation in left atrium: identification by two-dimensional echocardiography, JCU 1991; **19:** 315
Chow W-H; Tai Y-T; Cheung K-L; et al: spontaneous dynamic echoes in aortic dissection, JCU 1990; **18:** 442
Chowdhury SC See **Dewanjee MK**
Choy D See **Sham JST**
Choy D See **Teo P**
Choyke PL See **Beatrous TE**
Choyke PL See **Dunnick NR**
Choyke PL See **Filling-Katz MR**
Choyke PL See **Frank JA**
Choyke PL See **Horan JJ**
Choyke PL See **Miller DL**
Choyke PL See **Premkumar A**
Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM: Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Radiology 1990; **174:** 815
Choyke PL; Frank JA; Girton ME; Inscoe SW; Carvlin MJ; Black JL; Austin HA; Dwyer AJ: dynamic Gd-DTPA–enhanced MR imaging of the kidney: experimental results, Radiology 1989; **170:** 713
Choyke PL; Frank JA; Webb D; et al: case report: gadopentetate dimeglumine enhanced MRI in an anephric patient on dialysis, Clin Radiol 1990; **41:** 430
Choyke PL; Pahira JH; Davros WJ; Nilges E; Dwyer AJ; Mun SK: renal calculi after shock wave lithotripsy: US evaluation with an in vitro phantom, Radiology 1989; **170:** 39
Chrenka B See **Repa I**
Chretien B See **Dubois JM**
Chretien YR See **Cornud FE**
Chrisman H See **Berlin RC**
Christ M See **Michael AS**
Christe W See **Cordes M**
Christensen JJ See **Overgaard M**
Christensen P-H See **Johansen J**
Christensen R See **Ken JG**
Christensen RR See **vanSonnenberg E**
Christensen S See **Springate J**
Christensen SE See **Lund E**
Christensson B See **Österborg A**
Christian PE See **Datz FL**
Christian PE; Datz FL; Moore JG: confirmation of short solid-food lag phase by continuous monitoring of gastric emptying, J Nucl Med 1991; **32:** 1349
Christiansen EL See **Hasso AN**
Christiansen TA See **Lynch HT**
Christiansen TM See **Hove B**
Christman R See **Shioya S**
Christmann D; Becmeur F; Marcellin L; et al: mesoblastic nephroma presenting as a haemorragic cyst, Pediatr Radiol 1990; **20:** 553
Christmas TJ See **Boothroyd AE**
Christoffersson A See **Nilsson S**
Christophe C; Bartholome J; Blum D; et al: neonatal tuberous sclerosis: US, CT, and MR diagnosis of brain and cardiac lesions, Pediatr Radiol 1989; **19:** 446
Christophe C; Muller MF; Balériaux D; et al: mapping of normal brain maturation in infants on phase-sensitive inversion–recovery MR images, Neuroradiol 1990; **32:** 173
Christopher M See **Murphy WD**
Christopherson RI See **Berners-Price SJ**
Christopoulos D See **Cook AM**
Christy V See **Rubin DL**
Chrome J See **Bourbeau J**
Chrousos G See **Miller DL**
Chrousos GP See **Doppman JL**
Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA: encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Radiology 1990; **175:** 185
Chu DDM; Belzberg AS: phantom kidney on renal scintigraphy, Clin Nucl Med 1991; **16:** 62
Chu FWK; Jackler RK: anterior epitympanic cholesteatoma with facial paralysis: a characteristic growth pattern, (ab), Radiology 1989; **170:** 293
Chu GL See **Li X**
Chu JCH See **Munzenrider JE**
Chu JCH See **Solin LJ**
Chu JCH; Solin LJ; Hwang CC; et al: nondivergent three field matching technique for breast irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 1037
Chu JCH; Stafford PM; Diamond JJ; et al: patterns of change in the physics and technical support of radiation therapy in the USA 1975–1986, Int J Radiat Oncol Biol Phys 1989; **17:** 437
Chu JMG See **Lin BPC**
Chu L-S See **Guan S-I**
Chu P See **Chandnani VP**
Chu PK See **Tien RD**
Chu SC-K; Xu Y; Balschi JA; et al: bulk magnetic susceptibility shifts in NMR studies of compartmentalized samples: use of paramagnetic reagents, Magn Res Med 1990; **13:** 239
Chu W-J See **Miller SK**
Chu W-K See **Kaplan PA**
Chu Y-K; Liu R-S; Yeh S-H: hepatic hydrothorax demonstrated on bone imaging, Clin Nucl Med 1990; **15:** 131
Chua A See **Ryan S**
Chua ET See **Sundram FX**
Chua GT See **Maglinte DDT**
Chua SO; Chiang C-W; Lee Y-S; et al: echocardiographic findings of mobile atrial hepatocellular carcinoma: report of five cases, J Ultrasound Med 1989; **8:** 347
Chuang FYS See **Phillips MH**
Chuang SH See **Barkovich AJ**
Chuang VP See **Skolkin MD**
Chuapetcharasopon C See **Fornage BD**
Chudley AE See **Shebib SM**
Chui C-S See **Masterson ME**
Chui L; Lufkin RB; Hanafee WN: use of MRI in the identification of post-traumatic laryngeal deformities, Clin Imag 1990; **14:** 127
Chui M: fibromatosis of the brachial plexus and shoulder girdle, J Canad Assoc Radiol 1989; **40:** 28
Chui M; Muller P; Tucker W: angiographic diagnosis of small aneurysms of the posterior communicating artery, AJNR 1990; **11:** 1165
Chumas P See **Wilson P**
Chun KE See **Stark P**
Chun KJ See **Gale B**
Chun M See **Wu A**
Chun M; McKeough P; Wu A; et al: interstitial iridium-192 implantation for malignant brain tumours. part II: clinical experience, Br J Radiol 1989; **62:** 158
Chun RWM See **Brown WD**
Chun RWM See **Kienzle GD**
Chun Y See **Wisner DH**
Chung C-H See **Tan R**
Chung CJ See **Melton JW**
Chung CJ; Cammoun D; Munden M: rhabdoid tumor of the kidney presenting as an abdominal mass in a newborn, Pediatr Radiol 1990; **20:** 562
Chung CJ; Curry NS; Williamson HO; et al: bilateral fallopian tubal polyps: radiologic and pathologic correlation, Urol Radiol 1990; **12:** 120

Chung CJ; Grossnickle M; Rosenthal P; et al: postatelectatic ventilation-perfusion mismatch simulating a pulmonary embolus, J Nucl Med 1990; **31:** 1397

Chung CJ; Hicklin OA; Payan JM; et al: indium-111-labeled leukocyte scan in detection of synthetic vascular graft infection: the effect of antibiotic treatment, J Nucl Med 1991; **32:** 13

Chung CT See Sagerman RH

Chung KB See Lim JH

Chung KB See Park CM

Chung KF See Wiggins J

Chung KJ; Simpson IA; Newman R; et al: cine magnetic resonance imaging for evaluation of congenital heart disease: role in pediatric cardiology compared with echocardiography and angiography, (ab), Radiology 1989; **172:** 590

Chung MEW; van Heesewijk JPM; Ramos LMP: intramedullary non-Hodgkin's lymphoma of the spinal cord; a case report, Eur J Radiol 1991; **12:** 226

Chung T; Harris RD: tuberculous epididymo-orchitis: sonographic findings, JCU 1991; **19:** 367

Chung-Park M; Tomashefski JF Jr; Cohen AM; et al: shrinking pleuritis with lobar atelectasis: a morphologic variant of "round atelectasis", (ab), Radiology 1989; **173:** 592

Church CC See Miller MW

Church PA See Littrup PJ

Churchill RJ: CT of intra-abdominal fluid collections, Radiol Clin North Am 1989; **27:** 653

Churg A See McElvaney NG

Chyatte D: vascular malformations of the brain stem, (ab), Radiology 1990; **175:** 293

Chybowski FM; Keller JJL; Bergstralh EJ; et al: predicting radionuclide bone scan findings in patients with newly diagnosed, untreated prostate cancer: prostate specific antigen is superior to all other clinical parameters, (ab), Radiology 1991; **180:** 885

Chynn KY See Gero BT

Chynn KY See Knopp EA

Ciaravino V See Desai BB

Ciaravino V See Miller MW

Ciaravino V See Sosolik RC

Ciatto S; Cecchini S; Iossa A; Grazzini G; Messeri G; Valenti L; Nunzi G; Bartolucci R; Di Costanzo F: association of estrogen receptors with parenchymal pattern at mammography, Radiology 1989; **170:** 695

Ciatto S; Del Turco MR; Bravetti P: nonpalpable breast lesions: stereotaxic fine-needle aspiration cytology, Radiology 1989; **173:** 57

Cicale MJ See Smith LM

Cicciarello R See d'Avella D

Cicuttini F; Baro G; Littlejohn G: Paget's disease of the thoracic spine: a case report, Australas Radiol 1990; **34:** 177

Ciegler GW; Hatten RC: internal medicine. 2nd ed., Radiology 1990; **177:** 312

Cifers RW; Makhija M: peripheral increased activity surrounding metastatic adenocarcinoma to the liver on hepatobiliary imaging, Clin Nucl Med 1989; **14:** 130

Cigarroa RG See Popma JJ

Cigarroa RG; Lange RA; Williams RH; et al: dosing of contrast material to prevent contrast nephropathy in patients with renal disease, (ab), Radiology 1989; **173:** 883

Cikot RJLM See Tio TL

Cikrit D See Burt RW

Cikrit DF See Becker GJ

Cila A See Aglidere AM

Cila A See Özgen T

Cilley RE See Sarkar R

Cinti DC See Levine GM

Ciottone RA See Quirk ME

Ciraolo L See Bucciolini M

Ciraolo L See Mascalchi M

Ciraolo L; Mascalchi M; Bucciolini M; et al: fast multiphase MR imaging of aqueductal CSF flow: 1. study of healthy subjects, AJNR 1990; **11:** 589

Cirignano LJ See Frederick EE

Cirimelli KM See Colletti PM

Cirrincione C See Werner RS

Citrin CM See Sherman JL

Citron M See Cohen JR

Citron SJ; Martin LG: benign biliary strictures: treatment with percutaneous cholangioplasty, Radiology 1991; **178:** 339

Ciu SC See Kowalchuk GJ

Civardi G See Sbolli G

Civardi G; Fornari F; Cavanna L; et al: ultrasonically guided percutaneous drainage of abdominal fluid collections: a long-term study of its therapeutic efficacy, Gastrointest Radiol 1990; **15:** 245

Civelek AC; Durski K; Shafique I; et al: failure of perchlorate to inhibit Tc-99m isonitrile binding by the thyroid during myocardial perfusion studies, Clin Nucl Med 1991; **16:** 358

Ci-Xi F See You-Wang Z

Clabby C See Ryan S

Claes L See Wilms G

Claessens RAMJ See Massuger LFAG

Claessens RAMJ See Oyen WJG

Claesson-Welsh L; Heldin C-H: platelet-derived growth factor: three isoforms that bind to two distinct cel surface receptors, Acta Oncol 1989; **28:** 331

Clagett GP See Eidt JF

Clair M See Unger EC

Clair MR See Ross GJ

Clampitt ME See White RD

Clancy R See Natowicz M

Clapp J III See Nimrod C

Clapuyt P See Zajko AB

Clark BJ See Reddy R

Clark DC See Sharif HS

Clark DE See Federico JA

Clark DS See Murphy MK

Clark EP See Epp ER

Clark HB See Kuhn MJ

Clark J; Seaby AW; White MV: flat-top patient support for radiotherapy application computed tomographic scanning, Br J Radiol 1990; **63:** 640

Clark JA See Harper AK

Clark JF; Harris GI; Dillon PF: multisite saturation transfer using DANTE and continuous wave, Magn Res Med 1991; **17:** 274

Clark JI See Beaulieu CF

Clark K See Bosanko CM

Clark K See Nagle C

Clark OH See Levin KE

Clark OH See Seelos KC

Clark OH: mediastinal parathyroid tumors, (ab), Radiology 1989; **171:** 291

Clark RA See Greenfield GB

Clark RA See Morse SS

Clark RA See Savader SJ

Clark RA See Teitelbaum GP

Clark RA; King PS; Worden JK: mammography registry: considerations and options, Radiology 1989; **171:** 91

Clark RA; Watanabe AT; Bradley WG Jr; Roberts JD: acute hematomas: effects of deoxygenation, hematocrit, and fibrin-clot formation and retraction on T2 shortening, Radiology 1990; **175:** 201

Clark RK See Sarkar SK

Clark RL See Borge MA

Clark RL See Cuttino JT Jr

Clark RL See Parker MD

Clark RL; Keefe B: infertility: imaging of the female, Urol Radiol 1989; **11:** 233

Clark RM See Gospodarowicz MK

Clark SA See Conces DJ Jr

Clark SA See Garagiola DM

Clark SL; DeVore GR; Sabey PL: prenatal diagnosis of cysts of the fetal choroid plexus, (ab), Radiology 1989; **171:** 883

Clark T See Moeser P

Clarke CE; Hawnaur J; Prvulovich E; et al: case report: magnetic resonance imaging with gadolinium-DTPA enhancement in the differentiation of benign from neoplastic cord cavitation, Clin Radiol 1990; **41:** 214

Clarke DH; Edmundson GK; Martinez A; et al: clinical advantages of I-125 seeds as a substitute for Ir-192 seeds in temporary plastic tube implants, Int J Radiat Oncol Biol Phys 1989; **17:** 859

Clarke E See Middleton K

Clarke EA; Siegle RL; Gong AK: findings on chest radiographs after prophylactic pulmonary surfactant treatment of premature infants, AJR 1989; **153:** 799

Clarke G See Rehr RB

Clarke GD; Rehr RB: enzyme kinetics and relaxation measurements with surface coils, Magn Res Med 1990; **14:** 522

Clarke H See Reddy ER

Clarke HB; Gabrielsen TO: seizure induced disruption of blood–brain barrier demonstrated by CT, JCAT 1989; **13:** 889

Clarke HJ; Jinnah RH; Brooker AF; et al: total replacement of the hip for avascular necrosis in sickle cell disease, (ab), Radiology 1989; **173:** 886

Clarke JA: case report: tuberculous dactylitis in childhood: the need for continued vigilance, Clin Radiol 1990; **42:** 287

Clarke JA; Adams JE: application of clinical guidelines for skull radiography in the accident and emergency department: theory and practice, Clin Radiol 1990; **41:** 152

Clarke K See Fink-Bennett D

Clarke LP See Brown HK

Clarke MP; Kane RA; Steele G Jr; et al: prospective comparison of preoperative imaging and intraoperative ultrasonography in the detection of liver tumors, (ab), Radiology 1990; **175:** 587

Clarke NW; Maxwell AJ: primary lymphoma of the urinary bladder, Br J Radiol 1991; **64:** 761

Clarke PD See Braver JM

Clarke RH See O'Reilly GV

Clarke SD See Harrison PB

Clarke SEM See Blower PJ

Clarke SEM See Ryan PJ

Clarke-Pearson D See Bentel GC

Clarkson DG See Jones RD

Clarkston WK; Smith OJ; Walden JM: percutaneous endoscopic gastrostomy and early mortality, (ab), JVIR 1991; **2:** 296

Clarysse P See Rousseau J

Clauberg M See Chen JC

Claudon M; Bessieres M; Regent D; et al: alveolar echinococcosis of the liver: MR findings, JCAT 1990; **14:** 608

Claudon M; Regent D; Gaucher A; et al: MR patterns of dialysis arthropathy, JCAT 1990; **14:** 968

Claus D See Zajko AB

Clausen M See Graf G

Clausen M See Weller R

Clauss W See Kaminsky S

Claussen C See Kaminsky S

Claussen C See Volle E

Claussen CD See Duda SH

Clavien P-A See Strasberg SM

Clavier E See Laissy J-P

Clayman DA See Sanders TG

Clayman DA See Turetsky DB

Clayman DA; Murakami ME; Vines FS: compatibility of cervical spine braces with MR imaging: a study of nine nonferrous devices, AJNR 1990; **11:** 385

Clayman DA; Wolpert SM; Heros DO: superselective arterial BCNU infusion in the treatment of patients with malignant gliomas, AJNR 1989; **10:** 767

Clayton PD See Haug PJ

Cleator GM; Klapper PE; Lewis AG; et al: measurement of renal blood flow by ^{131}I-labelled sodium iodohippurate imaging in a rat model of herpes encephalitis, Acta Radiol 1990; **31:** 538

Clee CZ See Johnston JA

Cleman MW See Kent KM

Clemens P See Morgan GF

Clement JP See Agostini S

Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B: liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Radiology 1991; **180:** 31

Clement O; Schouman-Claeys E; Frija G: ferrite particles (AMI25): influence of cirrhosis and chemotherapy on magnetic resonance imaging of metastasis, Invest Radiol 1990; **25:** S61

Clemente MG See Bueno CE

Clements D See Etherington RJ

Clements R See Etherington RJ

Clements R See Griffiths GJ

Clements R; Evans KT; Rhodes J: coarse mucosal folds in the duodenum: a twenty-year follow-up, Clin Radiol 1990; **41:** 421

Clements R; Griffiths GJ; Peeling WB: "state of the art" transrectal ultrasound imaging in the assessment of prostatic disease, Br J Radiol 1991; **64:** 193

Clementz B-G; Magnusson A: assessment of tibial torsion employing fluoroscopy, computed tomography and the cryosectioning technique, Acta Radiol 1989; **30:** 75

Clemett AR See Zimmon DS

Clemm C; Hartenstein R; Willich N; et al: combination chemotherapy with vinblastine, ifosfamide and cisplatin in bulky seminoma, Acta Oncol 1989; **28:** 231

Clericuzio CL See Williamson SL

Cleveland RH See Blickman JG

Cleveland RH See Jaramillo D

Cleveland RH See Ortiz C

Cleveland RH; Holmes LB: hand-foot-genital syndrome: the importance of hallux varus, Pediatr Radiol 1990; **20:** 339

Clewes J See Twining P

Cliff WJ; Heathcote CR; Moss NS; et al: coronary arteries in cases of cardiac and noncardiac sudden death, (ab), Radiology 1989; **171:** 590

Clifton AG; Baily GG: case report: renal lymphoma in a patient with Waldenstrom's macroglobulinaemia, Clin Radiol 1991; **43:** 285

Clifton AG; Kendall BE; Crockard HA; et al: intracranial chondrosarcoma in a patient with Ollier's disease, Br J Radiol 1991; **64:** 633

Clifton AG; Phelps PD; Brookes GB: cholesterol granuloma of the petrous apex, Br J Radiol 1990; **63:** 724

Clifton AG; Stevens JM; Kapoor R; et al: spinal cord sarcoidosis with intramedullary cyst formation, Br J Radiol 1990; **63:** 805

Clifton AG; Stevens JM; Whitear P; et al: identifiable causes for poor outcome in surgery for cervical spondylosis: post-operative computed myelography and MR imaging, Neuroradiol 1990; **32:** 450

Cline HE See Dumoulin CL

Cline HE See Pearlman JD

Cline HE See Stern RL

Cline HE; Dumoulin CL; Lorensen WE; et al: volume rendering and connectivity algorithms for MR angiography, Magn Res Med 1991; **18:** 384
Cline HE; Hardy CJ; Pearlman JD: fast MR cardiac profiling with two-dimensional selective pulses, Magn Res Med 1991; **17:** 390
Cline HE; Lorensen WE; Kikinis R; et al: three-dimensional segmentation of MR images of the head using probability and connectivity, JCAT 1990; **14:** 1037
Cline HE; Lorensen WE; Souza SP; et al: 3D surface rendered MR images of the brain and its vasculature, JCAT 1991; **15:** 344
Clorius JH See Strauss LG
Close PJ; Carty HM: transient gyriform brightness on non-contrast enhanced computed tomography (CT) brain scan of seven infants, Pediatr Radiol 1991; **21:** 189
Clouse ME See Finn JP
Clouse ME See Oldershaw JH
Clouse ME See Stokes KR
Clouse ME See Williams CR
Clouse RE See McCord GS
Clouston JE; Thorpe RJ: case report—CT findings in adenomyomatosis of the gallbladder, Australas Radiol 1991; **35:** 86
Cloutier G; Lemire F; Durand L-G; et al: computer evaluation of Doppler spectral envelope area in patients having a valvular aortic stenosis, Ultrasound Med Biol 1990; **16:** 247
Clowry LJ See Hause LL
Cluzel P See Grenier P
Clyne CAC; Greene WJ; Paisey RB: intra-operative ultrasound localization of an insulinoma undetected pre-operatively, JCU 1991; **19:** 419
Cnann A See Benacerraf BR
Co E; Raju TNK; Aldana O: cerebellar dimensions in assessment of gestational age in neonates, Radiology 1991; **181:** 581
Coan JD See Lockhart SK
Coates G See Castle VP
Coates G See Hull RD
Coates G; Firnau G; Meyer G-J; et al: noninvasive measurement of lung carbon-11-serotonin extraction in man, J Nucl Med 1991; **32:** 729
Coates R See Anderson N
Coates R See Brismar J
Coates R; von Sinner W; Rahm B: MR imaging of an intracerebral hydatid cyst, AJNR 1990; **11:** 1249
Coates RK See Barsky MF
Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS: pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Radiology 1989; **173:** 81
Cobb L See Orrison WW Jr
Cobb LM See Humm JL
Cobb LM; Nolan J: autoradiographic study of tritium-labeled misonidazole in the mouse, Int J Radiat Oncol Biol Phys 1989; **16:** 953
Cobb LM; Nolan J; Butler S: tissue distribution of ^{14}C- and ^{3}H-labelled misonidazole in the tumor-bearing mouse, Int J Radiat Oncol Biol Phys 1990; **18:** 347
Cobb OE See Palken M
Cobbold RSC See Bascom PAJ
Cobbs BW Jr See Pecora MJ
Cobby M; Browning J; Jones A; et al: magnetic resonance imaging, computed tomography and endosonography in the local staging of carcinoma of the cervix, Br J Radiol 1990; **63:** 673
Cobby M; Cushnaghan J; Creamer P; et al: erosive osteoarthritis: is it a separate disease entity?, Clin Radiol 1990; **42:** 258
Cobby M; Duncan A; Hartnell G: case of the month: Jekyll and Hyde chest radiographs, Br J Radiol 1989; **62:** 561
Cobby M; Whipp E; Bullimore J; et al: CT appearances of relapse of lymphoma in the lung, Clin Radiol 1990; **41:** 232
Cobby MJD; Culling W; Jordan SC; et al: balloon embolization of a congenital arterio-venous fistula between the internal mammary artery and a portal vein radicle, Br J Radiol 1989; **62:** 371
Coblentz CL See Bergin CJ
Coblentz CL See Donnal JF
Coblentz CL See Fernandez GG
Coblentz CL See Huenchullan AC
Coblentz CL See Rawlinson J
Coblentz CL; Babcook CJ; Alton D; et al: observer variation in detecting the radiologic features associated with bronchiolitis, Invest Radiol 1991; **26:** 115
Coblyn JS See Gravallese EM
Coca FJ See Esquerré J-P
Cocciolo M See Colli A
Cochand-Priollet B See Chagnon S
Cochlin DL See Wan SKH
Cochran ST See Cragg AH
Cochran ST See Kioumehr F
Cochran ST; Barbaric ZL; Lee JJ; Kashfian P: percutaneous nephrostomy tube placement: an outpatient procedure?, Radiology 1991; **179:** 843
Cochran ST; Grant EG: color Doppler US of the scrotum: invited commentary, Radiographics 1991; **11:** 958
Cochrane LB; Freson M: peliosis of the spleen, Gastrointest Radiol 1991; **16:** 83
Cochrane T See Shortland AP
Cockshott WP See Manson D
Cockshott WP See Torbiak RP
Codd MB See Stack JP
Code RF; Harrison JE; McNeill KG; et al: *in vivo* ^{19}F spin relaxation in index finger bones, Magn Res Med 1990; **13:** 358
Coderre JA See Fairchild RG
Codner MA See Wojtasek DA
Cody RL See Wahl RL
Coello I See Medina A
Coene PPLO See Tio TL
Coenen HH See Biersack HJ
Coenen HH See Langen K-J
Coenen HH See Wienhard K
Coenen HH; Kling P; Stöcklin G: cerebral metabolism of L-[2-^{18}F]fluorotyrosine, a new PET tracer of protein synthesis, J Nucl Med 1989; **30:** 1367
Cofer G See Sostman HD
Cofer GP See Farmer THR
Coffey CW; Morris R; Martin J; et al: dosimetric evaluation of a variable energy superficial x-ray machine with applications for endocavitary radiotherapy techniques, Int J Radiat Oncol Biol Phys 1989; **16:** 849
Coffey M See O'Laoide RM
Coffey RJ See Flickinger JC
Coffey RJ; Flickinger JC; Bissonette DJ; et al: radiosurgery for solitary brain metastases using the cobalt-60 gamma unit: methods and results in 24 patients, Int J Radiat Oncol Biol Phys 1991; **20:** 1287
Coffey SL See Daly BD
Coffman JD: deep venous thrombosis and pulmonary emboli: etiology, medical treatment, and prophylaxis, J Thorac Imag 1989; **4-4:** 4
Cogbill TH See Dahlberg PJ
Cogbill TH See Travelli R
Cogen P See Aoki S
Cogen PH See Barkovich AJ
Cogo A See Lensing AWA
Cogswell C See Chitkara U
Cohan A See Morrison DA
Cohan RH See Baker ME
Cohan RH See Debatin JF
Cohan RH See Dunnick NR
Cohan RH See Jacoby WT
Cohan RH See Roubidoux MA
Cohan RH; Dunnick NR; Carson CC: radiology of penile prostheses, AJR 1989; **152:** 925
Cohan RH; Dunnick NR; Leder RA; et al: computed tomography of renal lymphoma, JCAT 1990; **14:** 933
Cohan RH; Dunnick NR; Leder RA; Baker ME: extravasation of nonionic radiologic contrast media: efficacy of conservative treatment, Radiology 1990; **176:** 65
Cohan RH; Leder RA; Bolick D; et al: extravascular extravasation of radiographic contrast media: effects of conventional and low-osmolar agents in the rat thigh, Invest Radiol 1990; **25:** 504
Cohan RH; Leder RA; Herzberg AJ; et al: extravascular toxicity of two magnetic resonance contrast agents: preliminary experience in the rat, Invest Radiol 1991; **26:** 224
Cohen AH See Glassock RJ
Cohen AJ See Hofer GA
Cohen AJ See Lis LE
Cohen AJ See Mowji PJ
Cohen AJ; Thompson L; Edwards FH; et al: primary cysts and tumors of the mediastinum, (ab), Radiology 1991; **181:** 909
Cohen AM See Chung-Park M
Cohen AM See Crass JR
Cohen AM See Goldberg REA
Cohen AM See Tepper JE
Cohen AM See Wiesen EJ
Cohen AM; Doershuk CF; Stern RC: bronchial artery embolization to control hemoptysis in cystic fibrosis, Radiology 1990; **175:** 401
Cohen AM; Martin EW Jr; Lavery I; et al: radioimmunoguided surgery using iodine 125 B72.3 in patients with colorectal cancer, (ab), Radiology 1991; **180:** 883
Cohen AM; Parker JA; Donohoe K; et al: three years' experience with an all-digital nuclear medicine department, Semin Nucl Med 1990; **20:** 225
Cohen AW See Forouzan I
Cohen AW See Jackson GM
Cohen AW; Lindenbaum CR; Jackson GM; et al: role of ultrasound in the clinical practice of obstetrics, Semin Roentgenol 1990; **25:** 287
Cohen D See Krausz Y
Cohen D See Lucas GL
Cohen D; Krausz Y; Lossos A; et al: brain SPECT imaging with Tc-99m HM-PAO in Creutzfeld-Jakob disease, Clin Nucl Med 1989; **14:** 808
Cohen E See Avni EF
Cohen EB See Lipchik EO
Cohen EK See Marcuzzi DW
Cohen EK See Schiebler ML
Cohen EP See Taylor AJ
Cohen HL See Fogarty K
Cohen HL See Giuliano CT
Cohen HL See Haller JO
Cohen HL See Jayagopal S
Cohen HL See Riddlesberger MM Jr
Cohen HL See Rizzo AJ
Cohen HL See Slovis TL
Cohen HL: fetal echocardiography: an atlas, Radiology 1989; **171:** 218
Cohen HL; Cooper J; Eisenberg P; et al: normal length of fetal kidneys: sonographic study in 397 obstetric patients, AJR 1991; **157:** 545
Cohen HL; Haller JO: hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Radiology 1991; **179:** 877
Cohen HL; Haller JO; Pollack A: ultrasound of the septum pellucidum: recognition of evolving fenestrations in the hydrocephalic infant, J Ultrasound Med 1990; **9:** 377
Cohen HL; Tice HM; Mandel FS: ovarian volumes measured by US: bigger than we think, Radiology 1990; **177:** 189
Cohen IJ See Katz K
Cohen IT See Kleinman PK
Cohen JD See Robins HI
Cohen JM See Weinreb JC
Cohen JR; Tenenbaum N; Citron M: Greenfield filter as primary therapy for deep venous thrombosis and/or pulmonary embolism in patients with cancer, (ab), JVIR 1991; **2:** 288
Cohen JR; Tenenbaum N; Citron M: Greenfield filter as primary therapy for deep venous thrombosis and/or pulmonary embolism in patients with cancer, (ab), Radiology 1991; **179:** 886
Cohen L See Dubois J
Cohen L See Gips S
Cohen L See Schultheiss TE
Cohen L; Schultheiss TE; Hendrickson FR; et al: normal tissue reactions and complications following high-energy neutron beam therapy: I. crude response rates, Int J Radiat Oncol Biol Phys 1989; **16:** 73
Cohen M See Tarver RD
Cohen MA; Mendelsohn DB: CT and MR imaging of myxofibroma of the jaws, JCAT 1990; **14:** 281
Cohen MB See Graham LS
Cohen MB; Lake RR; Graham LS; et al: quantitative iodine-123 IMP imaging of brain perfusion in schizophrenia, J Nucl Med 1989; **30:** 1616
Cohen MD See Cory DA
Cohen MD See Day DL
Cohen MD See Harris TM
Cohen MD See Ruzal-Shapiro C
Cohen MD: pediatric sedation, Radiology 1990; **175:** 611
Cohen MD; Cory DA; Kleiman M; et al: magnetic resonance differentiation of acute and chronic osteomyelitis in children, Clin Radiol 1990; **41:** 53
Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B: digital imaging with a photostimulable phosphor in the chest of newborns, Radiology 1991; **181:** 829
Cohen MD; Long B; Cory DA; et al: digital imaging of the newborn chest, Clin Radiol 1989; **40:** 365
Cohen MD; Towbin RB; Baker S; et al: comparison of iohexol with barium in gastrointestinal studies of infants and children, AJR 1991; **156:** 345
Cohen ME; Goldberg RI; Barkin JS: esophageal strictures: balloon dilation, Radiology 1989; **171:** 285
Cohen MEL See Turnbull AE
Cohen MS; Weisskoff RM; Rzedzian RR; et al: sensory stimulation by time-varying magnetic fields, Magn Res Med 1990; **14:** 409
Cohen O See Leibovici L
Cohen P See den Hartog Jager FCA
Cohen PR; Kohn SR; Kurzrock R: association of sebaceous gland tumors and internal malignancy: the Muir-Torre syndrome, (ab), Radiology 1991; **181:** 616
Cohen RP See Matson MA
Cohen SM See Reuter KL
Cohen SN See Intenzo CM
Cohen VI See Gibson RE
Cohen WA See Silbergeld J
Cohen Y See Moseley ME
Cohen Y; Sanada T; Pitts LH; et al: surface coil spectroscopic imaging: time and spatial evolution of lactate production following fluid percussion brain injury, Magn Res Med 1991; **17:** 225

Cohen Z See **Laufer L**
Cohen-Overbeek TE; Jahoda MGJ; Wladimiroff JW: uterine bloodflow velocity waveforms before and after transcervical chorionic villus sampling, Ultrasound Med Biol 1990; **16:** 129
Cohn AI See **Swett HA**
Cohn DF See **Avrahami E**
Cohn M; Trefler M; Young TY: enhancement and compression of digital chest radiographs, J Thorac Imag 1990; **5-1:** 92
Cohn RC See **Fletcher BD**
Coia L; Galvin J; Sontag M; et al: three-dimensional photon treatment planning in carcinoma of the larynx, Int J Radiat Oncol Biol Phys 1991; **21:** 183
Coia LR See **Goldwein JW**
Coia LR See **Lanciano RM**
Coia LR See **Whittington R**
Coia LR; Engstrom PF; Paul AR; et al: long-term results of infusional 5-FU, mitomycin-C, and radiation as primary management of esophageal carcinoma, Int J Radiat Oncol Biol Phys 1991; **20:** 29
Coit WE See **Remley KB**
Coker SB; Anderson CL: occluded fourth ventricle after multiple shunt revisions for hydrocephalus, (ab), Radiology 1989; **173:** 887
Colapinto RF See **Odurny A**
Colburn WJ See **Silverstein MJ**
Colcher D; Milenic DE; Ferroni P; et al: in vivo fate of monoclonal antibody B72.3 in patients with colorectal cancer, J Nucl Med 1990; **31:** 1133
Colcher DC See **Larson SM**
Colchester ACF See **Seifalian AM**
Coldwell DM See **Edwards JM**
Coldwell DM See **Hollerman JJ**
Coldwell DM See **Patten RM**
Coldwell DM See **Shaw DWW**
Coldwell DM: embolization of paraspinal masses, Cardiovasc Intervent Radiol 1989; **12:** 252
Coldwell DM: hepatic arterial embolization utilizing a coaxial catheter system: technical note, Cardiovasc Intervent Radiol 1990; **13:** 53
Coldwell DM; Baron RL; Charnsangavej C: angiosarcoma: diagnosis and clinical course, Acta Radiol 1989; **30:** 627
Coldwell DM; Huff J; Marcellus H; et al: experimental intra-arterial administration of SR-2508 in the rabbit V2 carcinoma model, Br J Radiol 1989; **62:** 234
Coldwell DM; Loper KA: regional anesthesia for hepatic arterial embolization, Radiology 1989; **172:** 1039
Coldwell DM; Moore ADA; Ben-Menachem Y; Johansen KH: bleeding gastroesophageal varices: gastric vein embolization after partial portal decompression, Radiology 1991; **178:** 249
Cole BA See **Hopper KD**
Cole H Jr See **Pate JW**
Cole J See **Singer J**
Cole PR; Jasani MK; Wood B; et al: high resolution, high field magnetic resonance imaging of joints: unexpected features in proton images of cartilage, Br J Radiol 1990; **63:** 907
Cole RL See **D'Haem RJ**
Cole S; Stratford IJ; Bowler J; et al: oral (po) dosing with RSU 1069 or RB 6145 maintains their potency as hypoxic cell radiosensitizers and cytotoxins but reduces systemic toxicity compared with parenteral (ip) administration in mice, Int J Radiat Oncol Biol Phys 1991; **21:** 387
Cole SEA See **Baker JD**
Cole SEA See **Jeans WD**
Cole SEA See **Morse MH**
Cole TJ; Balseiro J; Lippman HR: technetium-99m-methylene diphosphonate (MDP) uptake in a sympathetic effusion: an index of malignancy and a review of the literature, J Nucl Med 1991; **32:** 325
Colebunders R; Francis H; Mann JM; et al: parotid swelling during human immunodeficiency virus infection, (ab), Radiology 1989; **170:** 294
Colella JJ See **Townsend RN**
Coleman AJ; Choi MJ; Saunders JE: theoretical predictions of the acoustic pressure generated by a shock wave lithotripter, Ultrasound Med Biol 1991; **17:** 245
Coleman AJ; Saunders JE: survey of the acoustic output of commercial extracorporeal shock wave lithotripters, Ultrasound Med Biol 1989; **15:** 213
Coleman BG See **Grumbach K**
Coleman BG See **Recht MP**
Coleman BG: transvaginal sonography in extrauterine and intrauterine pregnancy, Semin Roentgenol 1991; **26:** 63
Coleman CC See **Epstein DH**
Coleman CC; Coons HG; Cope C; Derauf BJ; Krenzel C; Epstein DH; Schlam BW; Castaneda F; Hough JP; Moradian GP: percutaneous enterostomy with the Cope suture anchor, Radiology 1990; **174:** 889
Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K: atheroablation with the Kensey catheter: a pathologic study, Radiology 1989; **170:** 391
Coleman CC; Vennes JA; Posalaky IP; Amplatz K: thermal ablation of the gallbladder, Radiology 1991; **180:** 363
Coleman CN See **Stevenson MA**
Coleman CN; Noll L; Howes AE; et al: initial results of a phase I trial of continuous infusion SR 2508 (etanidazole): a radiation therapy oncology group study, Int J Radiat Oncol Biol Phys 1989; **16:** 1085
Coleman CN; Wasserman TH; Urtasun RC; et al: final reporty of the phase I trial of the hypoxic cell radiosensitizer SR 2508 (etanidazole) radiation therapy oncology group 83-03, Int J Radiat Oncol Biol Phys 1990; **18:** 389
Coleman DA See **Manaster BJ**
Coleman J See **Pitt HA**
Coleman JM See **Kudryk BT**
Coleman LL See **Johnsen DE**
Coleman LL See **Johnson JC**
Coleman LL See **Poe LB**
Coleman R See **Boxer DI**
Coleman RE See **Bergin CJ**
Coleman RE See **Borges-Neto S**
Coleman RE See **Hansen ME**
Coleman RE See **Hanson MW**
Coleman RE See **Spritzer CE**
Coleman RE; Hoffman JM; Hanson MW; et al: clinical application of PET for the evaluation of brain tumors, J Nucl Med 1991; **32:** 616
Coley BD; Mattrey RF; Mitten RM; et al: physiologic basis of the radiodense renal medulla after the administration of blood pool contrast agent PFOB, Invest Radiol 1990; **25:** 1287
Colgan MP; Strode GR; Sommer JD; et al: prevalence of asymptomatic carotid disease: results of duplex scanning in 348 unselected volunteers, (ab), Radiology 1989; **172:** 293
Colina F See **Abad J**
Coll J See **Gutiérrez J**
Collado A See **Muñoz-Gomez J**
Collan Y See **Eskelinen M**
Collela JP See **Hansen EC**
Collen D See **Hashimoto Y**
Collen MJ See **Fahey FH**
Colletti PM See **Benson RC**
Colletti PM See **Preston DS**
Colletti PM See **Teitelbaum GP**
Colletti PM; Beck S; Boswell WD Jr; et al: computed tomography in endobronchial neoplasms, Comput Med Imag Graph 1990; **14:** 257
Colletti PM; Cirimelli KM; Radin DR; et al: radionuclide angiography in suspected acute cholecystitis: further observations, Clin Nucl Med 1989; **14:** 867
Colli A; Cocciolo M; Buccino G; et al: thickening of the gallbladder wall in ascites, JCU 1991; **19:** 357
Collier BD See **Dehdashti F**
Collier BD See **Hellman RS**
Collier BD See **Krasnow AZ**
Collier BD See **Mills BJA**
Collier BD See **Patel N**
Collier BD See **Pochis WT**
Collier BD See **Veluvolu P**
Collier BD See **Wilson CR**
Collier BD; Kir KM; Mills BJA; et al: bone scan: a useful test for evaluating patients with low back pain, Skeletal Radiol 1990; **19:** 267
Collier JM See **Castro JR**
Collier JM See **Nowakowski VA**
Collier NA See **Gibson RN**
Collignon J See **Flandroy P**
Collin C See **Donohue JH**
Collin P-P See **Di Lorenzo M**
Collins AG See **Hall AS**
Collins C See **Brunvand MW**
Collins CD; Stack JP; O'Connell DJ; et al: role of discography in lumbar disc disease: a comparative study of magnetic resonance imaging and discography, Clin Radiol 1990; **42:** 252
Collins D See **Glaholm J**
Collins DJ See **Madden A**
Collins DL; Pinckney LE; Miller KE; et al: hydrostatic reduction of ileocolic intussusception: a second attempt in the operating room with general anesthesia, (ab), Radiology 1990; **176:** 296
Collins DN See **Walker CW**
Collins DV See **Haug PJ**
Collins J See **Shih W-J**
Collins JD See **Batra P**
Collins LT See **Gruenewald SM**
Collins MC See **Houston JP**
Collins MC See **Millard FC**
Collins MC See **Williams JW**
Collins MC See **Yates SP**
Collins PS; McDonald PT; Lim RC: popliteal artery entrapment: an evolving syndrome, (ab), Radiology 1990; **175:** 886
Collins REC See **Bennett IC**
Collins TJ See **White CJ**
Collins VP See **Jacobsson B**
Collins VP See **Ullén H**
Collins VP; Kunimi K; Bergerheim U; et al: molecular genetics and human prostatic carcinoma, Acta Oncol 1991; **30:** 181
Collumb L See **Francis IR**
Colmorgen GHC See **Lien JM**
Colombari R See **Benati A**
Colombi R See **Cozzi G**
Colombo A See **Crisi G**
Colombo CA See **Zinkin EB**
Colombo F See **Pozza F**
Colonnese C See **Bastianello S**
Colquhoun IR See **Rawlinson J**
Colquhoun IR; Burrows EH: prognostic significance of the third ventricle and basal cisterns in severe closed head injury, Clin Radiol 1989; **40:** 13
Colquhoun IR; Rawlinson J: significance of haematomas of the basal ganglia in closed head injury, Clin Radiol 1989; **40:** 619
Colquhoun SD; Rosenthal DL; Morton DL: role of percutaneous fine-needle aspiration biopsy in suspected intrathoracic malignancy, (ab), Radiology 1991; **181:** 611
Colt HG; Begg RJ; Saporito JJ; et al: cholesterol emboli after cardiac catheterization: eight cases and a review of the literature, (ab), Radiology 1989; **172:** 293
Colthurst JR; Chan O; Creagh M; et al: double-blind clinical study comparing the safety, tolerance and efficacy of Ioversol and Iohexol in intravenous urography, Clin Radiol 1990; **42:** 174
Colucci VM See **Wang A-M**
Colville M See **Nelson DW**
Colyer RA See **Garagiola DM**
Combes C See **L'Huillier F**
Comerota AJ See **Katz ML**
Comerota AJ See **Maurer AH**
Comet R See **Alvarez-Castells A**
Comite F See **Zawin M**
Committee on Training of Radiologists American Associatio: radiologic physics instruction for diagnostic radiologists: a survey of residency programs, AJR 1991; **157:** 409
Compton C See **Shtern F**
Compton CC See **Lee MJ**
Compton CC See **Rummeny E**
Compton CC See **Warshaw AL**
Compton CC See **Weissleder R**
Comstock CH See **Jurcak-Zaleski S**
Comstock CH See **Kirk JS**
Comstock CH; Kirk JS: arteriovenous malformations: locations and evolution in the fetal brain, J Ultrasound Med 1991; **10:** 361
Comunale JP Jr: essential chest radiology, Radiology 1989; **172:** 1022
Comunale JP Jr: essential radiology for head injury, Radiology 1989; **173:** 76
Comunale JP Jr: imaging and labelling techniques in the critically ill, Radiology 1990; **175:** 44
Comunale JP Jr; Griffiths HJ: medicine for the practicing physician. 2d ed., Radiology 1989; **170:** 984
Conant EF; Fox KR; Miller WT: pulmonary edema as a complication of interleukin-2 therapy, AJR 1989; **152:** 749
Conard FU III See **Gage TS**
Conaway D See **Mesgarzadeh M**
Conboy CB See **Wyrwicz AM**
Concepcion R See **Kaufman AJ**
Conces DJ Jr See **Bogan ML**
Conces DJ Jr See **Tarver RD**
Conces DJ Jr; Clark SA; Tarver RD; et al: transthoracic aspiration needle biopsy: value in the diagnosis of pulmonary infections, AJR 1989; **152:** 31
Conces DJ Jr; Klink JF; Tarver RD; Moak GD: T1N0M0 lung cancer: evaluation with CT, Radiology 1989; **170:** 643
Conces DJ Jr; Kraft JL; Vix VA; et al: apical *Pneumocystis carinii* pneumonia after inhaled pentamidine prophylaxis, AJR 1989; **152:** 1193
Conces DJ Jr; Ryan T; Tarver RD: noncompaction of ventricular myocardium: CT appearance, AJR 1991; **156:** 717
Conces DJ Jr; Tarver RD; Gary WC; et al: treatment of pneumothoraces utilizing small caliber chest tubes, (ab), Radiology 1989; **170:** 582
Conces DJ Jr; Tarver RD; Vix VA: broncholithiasis: CT features in 15 patients, AJR 1991; **157:** 249
Conces DJ Jr; Vix VA; Tarver RD: diagnosis of a myocardial lipoma by using CT, AJR 1989; **153:** 725
Conces DJ Jr; Vix VA; Tarver RD: pleural cryptococcosis, J Thorac Imag 1990; **5-2:** 84
Condell D See **Toner M**
Condom E See **Luburich P**
Condon PM; Robertson AR: magnetic resonance imaging: project planning and management of a superconductive M.R.I. installation, Australas Radiol 1989; **33:** 40

Condon VR See **Campbell JB**
Condon VR See **Haller JO**
Condon VR: pneumonia in children, J Thorac Imag 1991; 6-3: 31
Condra KA See **Rubin MJ**
Cone L See **Palevsky HI**
Cone L; Srinivasan M; Romanul FCA: granular cell tumor (choristoma) of the neurohypophysis: two cases and a review of the literature, AJNR 1990; 11: 403
Confino E See **Gleicher N**
Confino E; Tur-Kaspa I; DeCherney A; et al: transcervical balloon tuboplasty: a multicenter study, (ab), JVIR 1991; 2: 300
Confort-Gouny S See **Desmoulin F**
Conill C; Azón-Masoliver A; Verger E; et al: pityriasis versicolor confined to the radiation therapy field, Acta Oncol 1990; 29: 949
Coninx P See **Panis X**
Conley FK See **Blankenberg F**
Connell DG See **Bilbey JH**
Connell DG See **Fraser JD**
Connell DG See **Kwong JS**
Connell DG See **Silver SF**
Connell DG; Parikh JR; Forster BB; et al: postmanipulation CT of the knee joint: an aid in diagnosis of intraarticular loose bodies, JCAT 1991; 15: 511
Connelly A See **Austin SJ**
Connelly AJ See **Cook CM**
Conner G See **Lovett I**
Conners CJ; Govoni AF; Minkowitz G: 57-year old woman with paroxysmal hypertension, Clin Imag 1989; 13: 241
Connolly AJ See **Saeed M**
Connolly GM; Hawkins D; Harcourt-Webster JN; et al: oesophageal symptoms, their causes, treatment, and prognosis in patients with the acquired immunodeficiency syndrome, (ab), Radiology 1990; 174: 585
Connolly JL See **Bornstein BA**
Connolly JL See **Epstein AH**
Connolly JL See **Recht A**
Connolly JL See **Stomper PC**
Connolly R See **Becker GJ**
Connor AR; Vlietstra RE; Schaff HV; et al: early and late results of coronary artery bypass after failed angioplasty: actuarial analysis of late events and comparison with initially successful angioplasty, (ab), Radiology 1989; 171: 589
Connor T See **Fishell EK**
Connors JJ See **Morano JU**
Connors MH See **Kepes JJ**
Connors RH See **Weber TR**
Conolly S; Glover G; Nishimura D; et al: reduced power selective adiabatic spin-echo pulse sequence, Magn Res Med 1991; 18: 28
Conrad C See **Søholm S**
Conrad D See **Schuhmacher JH**
Conrad EU See **Jensen SP**
Conrad EU See **Shuman WP**
Conrad G See **Joyce JM**
Conrad GR See **Seabold JE**
Conrad MR: blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Radiology 1989; 173: 285
Conrad MR: excellent anxiolytic effect achieved with low doses of Versed, Radiology 1989; 170: 579
Conrad MR; Goldfarb AL; Weaver AA: false-negative morphine-augmented biliary image, Clin Nucl Med 1989; 14: 625
Conrad MR; Nelms BA: empty bicipital groove due to rupture and retraction of the biceps tendon, J Ultrasound Med 1990; 9: 231
Consigny PM See **Vinitski S**
Consigny PM: vascular smooth muscle contraction and relaxation: pathways and chemical modulation, JVIR 1991; 2: 309
Consigny PM; Gardiner GA Jr: atherosclerotic rabbit iliac arteries: comparison of balloon angioplasty and laser-assisted balloon angioplasty, JVIR 1991; 2: 253
Consigny PM; Teitelbaum GP; Gardiner GA Jr; et al: effects of laser thermal angioplasty on arterial contractions and mechanics, Cardiovasc Intervent Radiol 1989; 12: 83
Constable RT See **Smith MR**
Constable RT; Henkelman RM: contrast, resolution, and detectability in MR imaging, JCAT 1991; 15: 297
Constable RT; Henkelman RM: data extrapolation for truncation artifact removal, Magn Res Med 1991; 17: 108
Constable RT; Henkelman RM: why MEM does not work in MR image reconstruction, Magn Res Med 1990; 14: 12
Constable RT; Kay I; Smith MR; et al: high quality zoomed MR images, JCAT 1989; 13: 179
Constable TJ See **Chapman S**
Constable WC See **Spaulding CA**
Constable WC See **Talton BM**
Constant O See **de Lacey G**
Constant O; Blake P: primary malignant melanoma of the vagina, Br J Radiol 1989; 62: 623
Constant OC See **Chong WK**
Constantin A See **Chalaoui J**
Constantinides C See **Hassan IM**
Constantinidis I; Chatham JC; Wehrle JP; et al: *in vivo* ^{13}C NMR spectroscopy of glucose metabolism of RIF-1 tumors, Magn Res Med 1991; 20: 17
Constine LS See **Savage DE**
Constine LS; Harwell S; Keng P; et al: interleukin 1 alpha stimulates hemopoiesis but not tumor cell proliferation and protects mice from lethal total body irradiation, Int J Radiat Oncol Biol Phys 1991; 20: 447
Contento JC See **Elster AD**
Conthe P See **Segura JM**
Conti PS See **Strauss LG**
Contractor FM See **Kiproff PM**
Contreras F See **López-Barea F**
Conturo TE See **Eisenberg AD**
Conturo TE; Kessler RM; Beth AH: cooperative T_1 and T_2 effects on contrast using a new driven inversion spin-echo (DISE) MRI pulse sequence, Magn Res Med 1990; 15: 397
Conturo TE; Price RR; Beth AH: addendum to "rapid local rectangular views and magnifications: reduced phase encoding of orthogonally excited spin echoes", Magn Res Med 1989; 9: 389
Conturo TE; Smith GD: signal-to-noise in phase angle reconstruction: dynamic range extension using phase reference offsets, Magn Res Med 1990; 15: 420
Conway BJ See **Leitz WK**
Conway BJ See **Rueter FG**
Conway BJ; McCrohan JL; Rueter FG; Suleiman OH: mammography in the eighties, Radiology 1990; 177: 335
Conway J See **Sims C**
Conway WF See **Datoc PD**
Conway WF See **Hayes CW**
Conway WF See **Murphy WA Jr**
Conway WF; Hayes CW: three-compartment wrist arthrography: use of a low-iodine-concentration contrast agent to decrease study time, Radiology 1989; 173: 569
Conway WF; Hayes CW: wrist arthrography: reply, Radiology 1990; 175: 586
Conway WF; Hayes CW; Brewer WH: occult breast masses: use of a mammographic localizing grid for US evaluation, Radiology 1991; 181: 143
Conway WF; Hayes CW; Campbell RL; Laskin DM; Swanson KS: temporomandibular joint after meniscoplasty: appearance at MR imaging, Radiology 1991; 180: 749
Conway WF; Hayes CW; Campbell RL; Laskin DM: temporomandibular joint motion: efficacy of fast low-angle shot MR imaging, Radiology 1989; 172: 821
Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG: cross-sectional imaging of the patellofemoral joint and surrounding structures, Radiographics 1991; 11: 195
Conway WF; Hayes CW; Murphy WA: case report 568, Skeletal Radiol 1989; 18: 483
Coode PE; McGuinness FE; Rawas MM; et al: diffuse lipomatosis involving the thoracic and abdominal wall: CT features, JCAT 1991; 15: 341
Cook AM; Christopoulos D: rupture of a non-aneurysmal salmonella infected aorta, Clin Radiol 1989; 40: 605
Cook AM; Dyet JF: case report: percutaneous angioplasty of the superior gluteal artery in the treatment of buttock claudication, Clin Radiol 1990; 41: 63
Cook AM; Dyet JF: six cases of subclavian stenosis treated by percutaneous angioplasty, Clin Radiol 1989; 40: 352
Cook AM; Dyet JF; Mann SL: case report: ultrasonic and comparative angiographic appearances of a spontaneous aorto-caval fistula, Clin Radiol 1990; 41: 286
Cook CM; Connelly AJ; Trudinger BJ: Doppler assessment of the umbilical circulation, Semin US CT MR 1989; 10: 417
Cook GC See **Hessel SJ**
Cook GC See **Levy JM**
Cook HB See **Anderson N**
Cook JA See **Mitchell JB**
Cook JA; Pass HI; Russo A; et al: use of monochlorobimane for glutathione measurements in hamster and human tumor cell lines, Int J Radiat Oncol Biol Phys 1989; 16: 1321
Cook JM See **Miller SF**
Cook JV See **Birch PD**
Cook JV See **Williams MP**
Cook JV; Phelps PD; Chandy J: Van Buchem's disease with classical radiological features and appearances on cranial computed tomography, Br J Radiol 1989; 62: 74
Cook JV; Tayar R: double-contrast computed tomographic arthrography of the shoulder joint, Br J Radiol 1989; 62: 1043
Cook KL; Adler DD; Lichter AS; et al: breast carcinoma in young women previously treated for Hodgkin disease, AJR 1990; 155: 39
Cook LT See **Bramble JM**
Cook LT See **Cox GG**
Cook LT See **Murphey MD**
Cook LT See **Siegel EL**
Cook LT; Giger ML; Wetzel LH; et al: digitized film radiography, Invest Radiol 1989; 24: 910
Cook P See **De Souza B**
Cook PG See **Gould RJ**
Cook PG See **Grier D**
Cook PG See **Jarvis L**
Cook PS See **Douek PC**
Cook PS See **Yakes WF**
Cook RCM See **Widdowson DJ**
Cook RE See **Vasinrapee P**
Cooke J See **Evans SH**
Cooke J See **Stutley J**
Cooke J; Morrison G; Keyserlingk J; et al: CT scanning in patients following surgery on the tongue and floor of mouth, Clin Radiol 1990; 41: 306
Cooke J; Parsons C: computed tomographic scanning in patients with carcinoma of the tongue, Clin Radiol 1989; 40: 254
Cooke RWI See **Murphy NP**
Cooke SG; Wilde P: fetal echocardiography—four years experience in Bristol, Clin Radiol 1989; 40: 568
Cooke TDV See **Siu D**
Coolen J See **Verschakelen JA**
Cooley G; Gillin MT; Murray KJ; et al: improved dose localization with dual energy photon irradiation in treatment of lateralized intracranial malignancies, Int J Radiat Oncol Biol Phys 1991; 20: 815
Cooley TP See **Lee VW**
Coombs RJ: case of the season, Semin Roentgenol 1990; 25: 127
Coombs RJ; Woldenberg LS; Skeel RT; et al: magnetic resonance imaging of hepatic adenoma, Clin Imag 1990; 14: 44
Coombs RJ; Zeiss J; Howard JM; et al: CT of the abdomen after the Whipple procedure: value in depicting postoperative anatomy, surgical complications, and tumor recurrence, AJR 1990; 154: 1011
Coon JS See **Joyce JM**
Cooney WP See **Smith DK**
Coons H: biliary intervention—technique and devices: a commentary, Cardiovasc Intervent Radiol 1990; 13: 211
Coons HG See **Coleman CC**
Coons HG: self-expanding stainless steel biliary stents, Radiology 1989; 170: 979
Coons SW See **Dean BL**
Coop FW; Hobbs BB: contrast use: waste not—want not, J Canad Assoc Radiol 1989; 40: 201
Cooper A See **Statz EM**
Cooper C See **Baker ME**
Cooper C See **Fernandez GG**
Cooper C See **Newbold R**
Cooper C See **Sallee DS**
Cooper C See **West MS**
Cooper CJ See **Zeman RK**
Cooper DF See **Boyko OB**
Cooper J See **Cohen HL**
Cooper J See **Sagerman RH**
Cooper J: perspective junior, Radiographics 1990; 10: 270
Cooper JC; Woods DA; Spencer P; et al: development of an infected false aneurysm following iliac angioplasty, Br J Radiol 1991; 64: 759
Cooper JD See **Herman SJ**
Cooper JE See **Albertyn LE**
Cooper JE See **Milroy EJG**
Cooper JS See **Sause WT**
Cooper JS: radiation therapy of head and neck cancer, Radiology 1989; 173: 738
Cooper JS; Pajak TF; Rubin P; et al: second malignancies in patients who have head and neck cancer: incidence, effect on survival and implications based on the RTOG experience, Int J Radiat Oncol Biol Phys 1989; 17: 449
Cooper JS; Steinfeld AD; Lerch IA: cerebral metastases: value of reirradiation in selected patients, Radiology 1990; 174: 883
Cooper JS; Steinfeld AD; Lerch I: intentions and outcomes in the radiotherapeutic management of epidemic Kaposi's sarcoma, Int J Radiat Oncol Biol Phys 1991; 20: 419
Cooper LA: understanding complex images: perspectives from visual cognition, Invest Radiol 1991; 26: 765
Cooper M; MacKeen AD; Janigan DT; et al: delayed sequelae of pulmonary barotrauma, J Canad Assoc Radiol 1989; 40: 232
Cooper MA; Arkles LB; Hennessy OF; et al: congestive hepatomegaly—typical features on computed tomography, ultrasound and nuclear medicine, Australas Radiol 1991; 35: 44

Cooper MD See **Levin DN**

Cooper R; Castaner A; Campo A; et al: severity of coronary artery disease among blacks with acute myocardial infarction, (ab), Radiology 1989; **173:** 885

Cooper RA See **Ramamurthy L**

Cooper RA; Johnson MS: mammographic depiction of Poland's syndrome, Br J Radiol 1990; **63:** 302

Cooper SG See **Pollak JS**

Cooper SG; Cardew AP; Ferguson S; et al: low dose rate teletherapy using a telecaesium 137 unit radiobiological, physical and clinical considerations, Australas Radiol 1990; **34:** 241

Cooper SG; Denham JW: progressive systemic sclerosis (diffuse scleroderma) and radiotherapy, Br J Radiol 1990; **63:** 804

Cooper SG; Richman AH; Carpenter TO; et al: scrotal ultrasonography in Leydig cell hyperplasia, J Ultrasound Med 1989; **8:** 689

Cooper SG; Richman AH; Tager MG: nephrocutaneous fistula diagnosed by computed tomography, Urol Radiol 1989; **11:** 33

Cooper SG; Strauss EB; Levine AH: detection of noncalcified splenic hemangioma by radionuclide bone scan, J Nucl Med 1989; **30:** 1111

Cooper TJ; Hayward MWJ; Hartog M: survey on the use of pulmonary scintigraphy and angiography for suspected pulmonary thromboembolism in the UK, Clin Radiol 1991; **43:** 243

Cooperberg PL See **Ajzen SA**

Cooperberg PL See **Bilbey JH**

Cooperberg PL See **Dashefsky SM**

Cooperberg PL See **Hallam MJ**

Cooperberg PL See **Merritt CRB**

Cooperberg PL See **Reading CC**

Cooperberg PL See **Wong AD**

Cooperstein LA See **Good BC**

Cooperstein LA See **Rockette HE**

Cooperstein LA See **Slasky BS**

Cooperstein LA See **Wasielewski RC**

Cooperstein LA; Good BC; Eelkema EA; et al: effect of clinical history on chest radiograph interpretations in a PACS environment, Invest Radiol 1990; **25:** 670

Cope C See **Capek P**

Cope C See **Coleman CC**

Cope C: novel nitinol basket instrument for percutaneous cholecystolithotomy, AJR 1990; **155:** 515

Cope C: percutaneous cholecystolithotomy, Semin Roentgenol 1991; **26:** 245

Cope C; Burke DR; Meranze SG: percutaneous extraction of gallstones in 20 patients, Radiology 1990; **176:** 19

Cope C; Gensburg RS: drainage of bile ducts with an articulated T tube, JVIR 1990; **1:** 113

Cope C; Machan L: method to control spraying of high-velocity infected blood droplets during arterial catheterization, Radiology 1990; **174:** 1055

Cope R: surgery of the rheumatoid wrist: postoperative appearances and complications of the more common procedures, Skeletal Radiol 1989; **17:** 576

Copel JA See **Grannum PA**

Copel JA; Grannum PA; Hobbins JC: interventional procedures in obstetrics, Semin Roentgenol 1991; **26:** 87

Copel JA; Hobbins JC; Kleinman CS: can umbilical artery pulsatility index predict the outcome of fetuses with structural heart disease?, J Ultrasound Med 1991; **10:** 323

Copeland EM III See **Ellis LM**

Copenhaver GL See **McInerney JJ**

Coplen DE See **Andriole GL**

Coppa GV See **Gabrielli O**

Coppage L See **Filderman AE**

Coppage L See **Hayes CW**

Coppage L See **Matthay RA**

Coppes MJ See **Willemse APP**

Coppola R See **Magistrelli P**

Coral A See **Donald JJ**

Coral A See **Glover JR**

Coral A; van Holsbeeck M; Adler RS: imaging of meniscal cyst of the knee in three cases, Skeletal Radiol 1989; **18:** 451

Coral A; van Holsbeeck M; Hega C: case report 599, Skeletal Radiol 1990; **19:** 147

Coran AG See **Delius RE**

Coran AG See **Sarkar R**

Coran AG See **Wheatley MJ**

Corazziari E See **Staiano A**

Corbelletta NL See **Sze DY**

Corbett AJ See **Lichter DG**

Corbett JJ See **Digre KB**

Corbett JR See **Faber TL**

Corbett JR See **Kulkarni PV**

Corbett R See **Harding M**

Corbett T See **Negendank WG**

Corbetti F; Vigo M; Bulzacchi A; et al: CT diagnosis of spontaneous dissection of the superior mesenteric artery, JCAT 1989; **13:** 965

Corbishley CM See **Saverymuttu SH**

Corbitt SL See **Seibert JJ**

Corcione S See **Lupi L**

Corcoran HL See **Henry DA**

Corcoran HL See **Mahoney MC**

Corcoran HL See **Proto AV**

Corcoran TR See **St. George JK**

Cordeau M-P; Prosmanne O; Robillard P: general case of the day, Radiographics 1990; **10:** 114

Cordell CE See **Rosenfeld DL**

Cordes M See **Henkes H**

Cordes M See **Hosten N**

Cordes M; Christe W; Henkes H; et al: focal epilepsies: HM-PAO SPECT compared with CT, MR, and EEG, JCAT 1990; **14:** 402

Cordes M; Henkes H; Laudahn D; et al: initial experience with SPECT examinations using [^{123}I]IBZM as a D2-dopamine receptor antagonist in Parkinson's disease, Eur J Radiol 1991; **12:** 182

Cordes M; Henkes H; Roll D; et al: subacute and chronic cerebral infarctions: SPECT and gadolinium-DTPA enhanced MR imaging, JCAT 1989; **13:** 567

Cordiani MR See **Zoli M**

Cordier J-F See **Lenoir S**

Cordier J-F; Loire R; Brune J: idiopathic bronchiolitis obliterans organizing pneumonia: definition of characteristic clinical profiles in a series of 16 patients, (ab), Radiology 1990; **175:** 883

Cordini S See **Bianchi E**

Cordone M See **Tomà P**

Cordovez-Stanziola R See **Bret PM**

Corey HE See **Schwartz GJ**

Coristine M See **Hickey NM**

Cork RD See **Nelson RC**

Corlija M See **Tubergen K**

Cormier B See **Vahanian A**

Cormier MG; Yedlicka JW; Gray RJ; et al: congenital anomalies of the superior vena cava: a CT study, Semin Roentgenol 1989; **24:** 77

Cormier P; Patel SK; Turner DA; et al: MR imaging findings in renal medullary fibroma, AJR 1989; **153:** 83

Cormier PJ See **LaRoy LL**

Corn BW; Taylor BW; Knox SJ; et al: results of the 1989 Association of Residents in Radiation Oncology Survey, Int J Radiat Oncol Biol Phys 1991; **20:** 1363

Cornblath DR See **Shuper A**

Corne JM See **Wilson NV**

Corne R See **Stern S**

Corneli H See **Schunk JE**

Cornélis F; Bardin T; Faller B; et al: rheumatic syndromes and β_2-microglobulin amyloidosis in patients receiving long-term peritoneal dialysis, (ab), Radiology 1990; **174:** 588

Cornelison S See **Ewigman B**

Cornell AE See **Hawes DR**

Cornford EJ See **Bissett D**

Cornu P See **Pappata S**

Cornud FE See **Bonnel DH**

Cornud FE; Gasanova J-MP; Bonnel DH; Helenon OR; Hanna SM; Chretien YR; Dufour BF; Moreau J-FM: impassable ureteral strictures: management with percutaneous ureteroneocystostomy, Radiology 1991; **180:** 451

Cornwell EE III; Rodriguez A; Mirvis SE; et al: acute acalculous cholecystitis in critically injured patients: preoperative diagnostic imaging, (ab), Radiology 1990; **174:** 585

Corone S See **Mani TM**

Corot C See **Revel D**

Corot C; Perrin JM; Belleville J; et al: effect of iodinated contrast media on blood clotting, Invest Radiol 1989; **24:** 390

Corr AP See **Brown JJ**

Corr P; Beningfield SJ: magnetic resonance imaging of an intradural spinal lipoma: a case report, Clin Radiol 1989; **40:** 216

Corr P; Hacking G: embolization in traumatic intrarenal vascular injuries, Clin Radiol 1991; **43:** 262

Correa OA See **Campeau RJ**

Correia MG See **Pisco JM**

Corres J; Morales A; Saban J; et al: case report 674, Skeletal Radiol 1991; **20:** 315

Correteger FC See **Agustin JJT**

Corriere JN Jr; Fishman IJ; Benson GS; et al: development of fibrotic penile lesions secondary to the intracorporeal injection of vasoactive agents, (ab), Radiology 1989; **171:** 292

Corrigan J See **Lee MJ**

Corrin B See **van Bodegom PC**

Corry PM See **Sapareto SA**

Corry PM See **Sapozink MD**

Corry RJ See **Yuh WTC**

Corson JD See **Cragg AH**

Corson JD See **Yuh WTC**

Corson JM See **Gravallese EM**

Corson JM See **O'Hara CJ**

Corstens FH See **Huysmans DA**

Corstens FHM See **Masclee AAM**

Corstens FHM See **Smits P**

Cortell ED See **Goldberg MA**

Cortés JA See **Pulpeiro JR**

Corvò R See **Scarpati D**

Corwin LA Jr See **Lattimer JC**

Cory D See **Rescorla FJ**

Cory DA See **Cohen MD**

Cory DA See **Tarver RD**

Cory DA; Don S; West KW: CT cholangiography of a choledochocele, Pediatr Radiol 1990; **21:** 73

Cory DA; Fritsch SA; Cohen MD; et al: aneurysmal bone cysts: imaging findings and embolotherapy, AJR 1989; **153:** 369

Cory DG; Garroway AN: measurement of translational displacement probabilities by NMR: an indicator of compartmentation, Magn Res Med 1990; **14:** 435

Coscojuela P See **Llauger J**

Coscojuela P See **Ruscalleda J**

Coscojuela P; Llauger J; Pérez C; et al: growing teratoma syndrome: radiologic findings in four cases, Eur J Radiol 1991; **12:** 138

Coselli JS See **Crawford ES**

Cosentino E See **Schajowicz F**

Cosgrove DO See **Al-Murrani B**

Cosgrove DO; Bamber JC; Davey JB; McKinna JA; Sinnett HD: color Doppler signals from breast tumors: work in progress, Radiology 1990; **176:** 175

Cosgrove M See **Kraichoke S**

Cosman F; Post KD; Holub DA; et al: lymphocytic hypophysitis: report of 3 new cases and review of the literature, (ab), Radiology 1990; **174:** 904

Cosmatos I See **Frumkin H**

Coss RA; Smith NN: effect of external pH on heat sensitization by local anesthetics, Int J Radiat Oncol Biol Phys 1991; **20:** 59

Cosset JM See **Arriagada R**

Cosset JM; Henry-Amar M; Pellae-Cosset B; et al: pericarditis and myocardial infarctions after Hodgkin's disease therapy, Int J Radiat Oncol Biol Phys 1991; **21:** 447

Costa A; Santoro G; Assimakopoulos G: cancer chemoprevention: a review of ongoing clinical studies, Acta Oncol 1990; **29:** 657

Costa DC; Glynne-Jones R; Falzon M; et al: technetium-99m pentavalent DMSA imaging detects metastases of poorly differentiated carcinoma of the thyroid, Clin Nucl Med 1989; **14:** 218

Costa FF See **Perussi JR**

Costa PL; Righetti G: air in the main pancreatic duct: demonstration with US, Radiology 1991; **181:** 801

Costa T See **Eich GF**

Costa-Greco MA See **Harris KM**

Costa-Greco MA See **Rosenthal MS**

Costa-Greco MA See **Slasky BS**

Costantini S See **Murolo C**

Costantino PD; Friedman CD; Pelzer HJ: neurofibromatosis type II of the head and neck, (ab), Radiology 1990; **174:** 590

Costello P See **Dupuy D**

Costello P; Anderson W; Blume D: pulmonary nodule: evaluation with spiral volumetric CT, Radiology 1991; **179:** 875

Costello S; Hellmann J; Lui K: myelomeningocele: a risk factor for necrotizing enterocolitis in term infants, (ab), Radiology 1989; **172:** 590

Côté C: radionuclide imaging in diagnosis of aortic dissection, J Nucl Med 1989; **30:** 1727

Coté CJ See **Fisher DM**

Cote G See **Paré JP**

Cote G; Jequier S; Kaplan P: increased renal medullary echogenicity in patients with Williams syndrome, Pediatr Radiol 1989; **19:** 481

Côté J See **Lafortune M**

Cote RJ See **Telzak EE**

Cotes JE; King B: relation of lung function to radiographic reading (ILO) in patients with asbestos related lung disease, (ab), Radiology 1989; **171:** 881

Cotroneo GB See **Giacchetto C**

Cotter GW: adjustable field shaping for external-beam radiation therapy, Radiology 1990; **174:** 892

Cotting J See **Terrier F**

Cotton PB See **Gulliver DJ**

Cotton PB See **Janson JA**

Cotton PB; Kozarek RA; Schapiro RH; et al: endoscopic laser lithotripsy of large bile duct stones, (ab), Radiology 1991; **179:** 588

Cottrill CM See **Shih W-J**

Cotty P See **de Toffol B**

Cotty P; Fouquet B; Mezenge C; et al: insufficiency fractures of the sacrum: ten cases and a review of the literature, J Neuroradiol 1989; **16:** 160

Couch A See **Desmond JM**

Coudert JL; Lissac M; Teyssier R; et al: preliminary results of nuclear magnetic resonance studies of healthy human saliva, Magn Res Med 1989; **10:** 157
Coughlin BF See **Benson CB**
Coughlin BF See **Silverman SG**
Coughlin BF; Risius B; Streem SB; et al: abdominal radiograph and renal ultrasound versus excretory urography in the evaluation of asymptomatic patients after extracorporeal shock wave lithotripsy, (ab), Radiology 1990; **176:** 295
Coughlin CT; Strohbehn JW: interstitial thermoradiotherapy, Radiol Clin North Am 1989; **27:** 577
Coughlin JR; Mann DA: detection of acute cholecystitis in children, J Canad Assoc Radiol 1990; **41:** 213
Coughlin WF See **Johnson JF**
Coughlin WF; McMurdo SK; Reeves T: MR imaging of postpartum cortical blindness, JCAT 1989; **13:** 572
Coughlin WF; Wilson JL; Haggerty MF: post-appendectomy fecalith detected by ultrasound, JCU 1989; **17:** 197
Coulden RA See **Britton PD**
Coulden RA; Hanbury DC; Farman P: ultrasound cystography: a valuable technique, Br J Radiol 1990; **63:** 889
Coumas JM See **Steinberg GG**
Counsell CJR See **Wood PJ**
Counsell RE See **Freeman DA**
Counsell RE; Schwendner SW; Gross MD; et al: lipoprotein incorporation enhances radioiodinated cholesteryl ester uptake into steroid hormone-secreting tissues, J Nucl Med 1989; **30:** 1088
Counsell RE; Schwendner SW; Meyer KL; et al: tumor visualization with a radioiodinated phospholipid ether, J Nucl Med 1990; **31:** 332
Counte MA See **Kjerulff KH**
County J See **Haaga JR**
Coupal JJ See **Kacki MH**
Coupal JJ See **Shih W-J**
Coupland RE See **Stehling MK**
Courchesne E See **Press GA**
Courchesne E; Press GA; Murakami J; et al: cerebellum in sagittal plane—anatomic-MR correlation: 1. the vermis, AJNR 1989; **10:** 659
Courdi A; Héry M; Gabillat J-M: alternate day treatment and late effects: the concept of an effective dose per fraction, Int J Radiat Oncol Biol Phys 1990; **19:** 1225
Courtheoux F See **Gobin P**
Courtheoux P See **Theron J**
Cousins C; Manhire AR: case report: duodeno-pericardial fistula, Clin Radiol 1991; **43:** 412
Cousins JP See **Bottomley PA**
Cousins JP; Dumoulin CL; Souza SP; et al: protocol for the isolation of carotid and vertebral arteries in MR angiography, AJNR 1989; **10:** 921
Coutts GA See **Cox IJ**
Coutts GA See **Young IR**
Couture A See **Veyrac C**
Cova M See **Ricci C**
Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA: bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Radiology 1991; **179:** 535
Covell DG See **Fujimori K**
Cowan FM See **Peden CJ**
Cowan FM See **Rutherford MA**
Cowan IA See **Gibson RD**
Cowan IA; Wells SW: infra-hyoid metastases in supra-hyoid squamous cell carcinoma, Australas Radiol 1991; **35:** 163
Cowan KH See **Fairchild CR**
Cowan RJ See **Zagoria RJ**
Cowen AR: physical evaluation of the imaging performance of a high-resolution fluorography system, Br J Radiol 1989; **62:** 999
Cowles S See **Wallace R**
Cowley MJ See **Kent KM**
Cowley RA; Turney SZ; Hankins JR; et al: rupture of thoracic aorta caused by blunt trauma: a 15-year experience, (ab), JVIR 1991; **2:** 292
Cox C See **Doida Y**
Cox C See **Kendig JW**
Cox C See **Miller MW**
Cox C See **Sinkin RA**
Cox CA See **Hartman C**
Cox F; Perlman S; Sathyanarayana: splenic abscesses in cat scratch disease: sonographic diagnosis and follow-up, JCU 1989; **17:** 511
Cox GG See **Batnitzky S**
Cox GG See **Fraser RG**
Cox GG See **Lee KR**
Cox GG See **Rosenthal SJ**
Cox GG; Cook LT; McMillan JH; Rosenthal SJ; Dwyer SJ III: chest radiography: comparison of high-resolution digital displays with conventional and digital film, Radiology 1990; **176:** 771
Cox GG; Templeton AW; McMillan JH; Wetzel LH; Lee KR: digital fluoroscopy and radiography system: technical description and clinical examples, Radiographics 1990; **10:** 491
Cox HE See **Yakes WF**
Cox IH See **Erickson SJ**
Cox IH; Foley WD: dynamic hepatic CT: Drs Cox and Foley reply, Radiology 1991; **181:** 23
Cox IH; Foley WD; Hoffman RG: right window for dynamic hepatic CT, Radiology 1991; **181:** 18
Cox IJ; Coutts GA; Gadian DG; et al: saturation effects in phosphorus-31 magnetic resonance spectra of the human liver, Magn Res Med 1991; **17:** 53
Cox J See **vanSonnenberg E**
Cox JD See **Komaki R**
Cox JD See **Sagerman RH**
Cox JD; Azarnia N; Byhardt RW; et al: N_3 (clinical) non-small cell carcinoma of the lung: prospective trials of radiation therapy with total doses 60 Gy by the radiation therapy oncology group, Int J Radiat Oncol Biol Phys 1991; **20:** 7
Cox JD; Flynn DF; Pittman DD; et al: radiation oncology: postgraduate medical education in the United States, 1988, Int J Radiat Oncol Biol Phys 1989; **16:** 1577
Cox JD; Pajak TF; Marcial VA; et al: astro plenary: interfraction interval is a major determinant of late effects, with hyperfractionated radiation therapy of carcinomas of upper respiratory and digestive tracts: results from radiation therapy oncology group protocol 8313, Int J Radiat Oncol Biol Phys 1991; **20:** 1191
Cox JD; Pajak TF; Marcial VA; et al: dose-response for local control with hyperfractionated radiation therapy in advanced carcinomas of the upper aerodigestive tracts: preliminary report of radiation therapy oncology group protocol 83-13, Int J Radiat Oncol Biol Phys 1990; **18:** 515
Cox JGC; Winter RK; Maslin SC; et al: balloon or bougie for dilatation of benign oesophageal stricture? an interim report of a randomised controlled trial, (ab), Radiology 1989; **172:** 290
Cox JL See **Issa MM**
Cox KL See **Dimand RJ**
Cox L See **Dershaw DD**
Cox L See **Gray JR**
Cox L See **McCormick B**
Cox L See **Werner RS**
Cox RS See **Dunphy EP**
Cox RS See **Kaplan ID**
Cox RS See **Kapp DS**
Cox RS; Heck RJ; Fessenden P; et al: development of total-skin electron therapy at two energies, Int J Radiat Oncol Biol Phys 1990; **18:** 659
Cox TD See **Williams DW III**
Cox TD; Elster AD: normal pituitary gland: changes in shape, size, and signal intensity during the 1st year of life at MR imaging, Radiology 1991; **179:** 721
Coxon R See **Ordidge RJ**
Coxon R See **Stehling MK**
Coyle J See **Bolander ME**
Cozcolluela R See **Franquet T**
Cozzi G; Ballardini G; Colombi R; et al: double contrast small bowel enema in a case of selective duodeno-jejunal amyloidosis, Acta Radiol 1990; **31:** 355
Cozzi G; Bellomi M; Frigerio LF; et al: double contrast barium enema combined with non-invasive imaging in peritoneal mesothelioma, Acta Radiol 1989; **30:** 21
Crabtree K: computed tomography versus magnetic resonance imaging of the pediatric central nervous system: techniques, indications, and examples, Radiology 1991; **179:** 154
Crabtree K: Kawasaki syndrome: clinical features, pathophysiology, etiology and therapy, Radiology 1991; **181:** 168
Crade M; Weber PR: appearance of molar pregnancy 9.5 weeks after conception: use of transvaginal ultrasound for early diagnosis, J Ultrasound Med 1991; **10:** 473
Cragg AH See **Barnhart W**
Cragg AH See **Gleason T**
Cragg AH See **Harris KG**
Cragg AH See **Hunter DW**
Cragg AH See **Nakagawa N**
Cragg AH See **Smith TP**
Cragg AH See **Thompson BH**
Cragg AH; Gardiner GA Jr; Smith TP: vascular applications of laser, Radiology 1989; **172:** 925
Cragg AH; Nakagawa N; Smith TP; Berbaum KS: hematoma formation after diagnostic angiography: effect of catheter size, JVIR 1991; **2:** 231
Cragg AH; Smith TP; Berbaum KS; et al: randomized double-blind trial of midazolam/placebo and midazolam/fentanyl for sedation and analgesia in lower-extremity angiography, AJR 1991; **157:** 173
Cragg AH; Smith TP; Corson JD; Nakagawa N; Castaneda F; Kresowik TF; Sharp WJ; Shamma A; Berbaum KS: two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial, Radiology 1991; **178:** 681
Cragg AH; Smith TP; Landas S; et al: six-month follow-up after thermal balloon angioplasty in canine iliac arteries, Cardiovasc Intervent Radiol 1991; **14:** 230
Cragg AH; Smith TP; Thompson BH; Maroney TP; Stanson AW; Shaw GT; Hunter DW; Cochran ST: incidental fibromuscular dysplasia in potential renal donors: long-term clinical follow-up, Radiology 1989; **172:** 145
Craig BM See **Nghiem HT**
Craig JOMC See **Dawood RM**
Craig JOMC: Knox lecture: radiology and the law, Clin Radiol 1989; **40:** 343
Craik DJ See **Rashid SA**
Crain BJ See **Heinz ER**
Crain EF; Gershel JC: urinary tract infections in febrile infants younger than 8 weeks of age, (ab), Radiology 1991; **178:** 900
Crain MR See **Yuh WTC**
Crain MR; Yuh WTC; Greene GM; et al: cerebral ischemia: evaluation with contrast-enhanced MR imaging, AJNR 1991; **12:** 631
Crain MR; Yuh WTC; Greene GM; et al: cerebral ischemia: evaluation with contrast-enhanced MR imaging, AJR 1991; **157:** 575
Cramer B See **Lee SK**
Cramer B See **Walsh E**
Cramer BC; Ozere R; Andrews W: renal stone formation following medical treatment of renal candidiasis, Pediatr Radiol 1990; **21:** 43
Cramer BM; Schlegel EA; Thueroff JW: MR imaging in the differential diagnosis of scrotal and testicular disease, Radiographics 1991; **11:** 9
Cramer MS See **DiSantis DJ**
Crampton AR See **Chen HH**
Crampton AR See **Ghahremani G**
Crandall BF See **Ragavendra N**
Crane C See **Carstensen EL**
Crane JP See **Dicke JM**
Crane JP See **Gray DL**
Crane PD See **Orlandi C**
Crang-Svalenius E; Jörgensen C: normal ultrasonic fetal growth ratios evaluated in cases of fetal disproportion, J Ultrasound Med 1991; **10:** 89
Crang-Svalenius E; Jörgensen C; Mariscal U-B: intrauterine growth of the fetus at term: a prospective and longitudinal study with real-time ultrasound, J Ultrasound Med 1990; **9:** 35
Cranley JJ See **Kerr TM**
Cranley WR See **O'Connor JF**
Cranney GB See **Lotan CS**
Cranney GB See **Mulligan SA**
Cranston PE See **Lovell FA**
Cranston PE; Routh WD: use of CT in metastatic adrenal gland tumor, Comput Med Imag Graph 1990; **14:** 143
Crass JR See **Kuni CC**
Crass JR See **Pozniak MA**
Crass JR See **Wiesen EJ**
Crass JR; Cohen AM; Motta AO; Tomashefski JF Jr; Wiesen EJ: proposed new mechanism of traumatic aortic rupture: the osseous pinch, Radiology 1990; **176:** 645
Craven WM See **Chomyn JJ**
Crawford D See **Walsh PF**
Crawford ES: diagnosis and management of aortic dissection, (ab), JVIR 1991; **2:** 291
Crawford ES; Svensson LG; Coselli JS; et al: aortic dissection and dissecting aortic aneurysms, (ab), Radiology 1989; **172:** 293
Crawford G See **Blue PW**
Crawford JN See **Mantravadi RVP**
Crawford S See **Digre KB**
Crawford S See **Mawad ME**
Crawford SC See **Robinson JD**
Crawford SC; Harnsberger HR; Lufkin RB; et al: role of gadolinium-DTPA in the evaluation of extracranial head and neck mass lesions, Radiol Clin North Am 1989; **27:** 219
Crawford TO See **Mitchell WG**
Crawley J See **Broadhurst P**
Crawley JC See **Jain D**
Craze J See **Allen CM**
Creagh M See **Colthurst JR**
Creagh MF; Chan TYK: case report: rectal mucocoele following Hartmann's procedure, Clin Radiol 1991; **43:** 358
Creagh MF; MacDonald LM; Garvie DC: case of the month: radio-opaque hemithorax in a neonate, Br J Radiol 1989; **62:** 951
Creamer B See **Travis S**
Creamer P See **Cobby M**
Creasy JL; Price RR; Presbrey T; Goins D; Partain CL; Kessler RM: gadolinium-enhanced MR angiography, Radiology 1990; **175:** 280

Crecelius CA See **Rich MW**
Cremer M See **Devière J**
Cremer M; Devier J; Sugai B; et al: expandable biliary metal stents for malignancies: endoscopic insertion and diathermic cleaning for tumor ingrowth, (ab), JVIR 1991; **2:** 296
Cremin BJ See **Davey HA**
Cremin BJ See **Oleszczuk-Raszke K**
Cremin BJ; Davey H; Goldblatt J: skeletal complications of type I Gaucher disease: the magnetic resonance features, Clin Radiol 1990; **41:** 244
Cremin BJ; Davey H; Oleszczuk-Raszke K: neonatal renal venous thrombosis: sequential ultrasonic appearances, Clin Radiol 1991; **44:** 52
Cremin BJ; Zeeman BJ: three dimensional reconstruction in coronal synostosis: pre and post operative appearances, Pediatr Radiol 1989; **19:** 313
Crennan E See **Bail D**
Cressa C See **Dalla Palma L**
Creutzfeldt W See **Schmidt WE**
Creutzfeldt W; Bartsch HH; Jacubaschke U; et al: treatment of gastrointestinal endocrine tumours with interferon-α and octreotide, Acta Oncol 1991; **30:** 529
Crew JR See **Belli A-M**
Criado FJ; Queral LA; Patten P; et al: laser angioplasty in the lower extremities: an early surgical experience, (ab), Radiology 1990; **177:** 598
Cribbs R See **Stone HB**
Crim JR See **Robinson JD**
Crim JR; Gold RH; Mirra JM; Eckardt JJ; Bassett LW: desmoplastic fibroma of bone: radiographic analysis, Radiology 1989; **172:** 827
Crim JR; Mirra JM: enchondroma protuberans: report of a case and its distinction from chondrosarcoma and osteochondroma adjacent to an enchondroma, Skeletal Radiol 1990; **19:** 431
Crim JR; Mirra JM; Eckardt JJ; Seeger LL: widespread inflammatory response to osteoblastoma: the flare phenomenon, Radiology 1990; **177:** 835
Crisi G; Sorgato P; Colombo A; et al: gadolinium-DTPA-enhanced MR imaging in the diagnosis of spinal epidural haematoma: report of a case, Neuroradiol 1990; **32:** 64
Crist DW See **Trerotola SO**
Crnkovich FM See **Halpert RD**
Crock HV See **Saywell WR**
Crockard HA See **Clifton AG**
Crocker EF Jr See **Risher WH**
Croft BY See **Rijke AM**
Croft BY See **Smith JJ**
Croft BY: instrumentation and computers for brain single photon emission computed tomography, Semin Nucl Med 1990; **20:** 281
Crofton M See **Grech P**
Crofton ME See **Tran T**
Croley MR See **O'Connor KF**
Cromwell LD See **Curé JK**
Cromwell LD See **Harris RD**
Crona N See **Granberg S**
Cronan JJ See **Deyoe LA**
Cronan JJ See **Dorfman GS**
Cronan JJ See **Fa EM**
Cronan JJ See **Kamholtz RG**
Cronan JJ See **Kane NM**
Cronan JJ See **Lambiase RE**
Cronan JJ See **Murphy TP**
Cronan JJ See **Needleman L**
Cronan JJ See **Sateriale M**
Cronan JJ See **Scola FH**
Cronan JJ See **Umlas S-L**
Cronan JJ See **Vaccaro JP**
Cronan JJ: contemporary concepts in imaging urinary tract obstruction, Radiol Clin North Am 1991; **29:** 527
Cronan JJ: contemporary venous imaging, Cardiovasc Intervent Radiol 1991; **14:** 87
Cronan JJ; Froehlich JA; Dorfman GS: image-directed Doppler ultrasound: a screening technique for patients at high risk to develop deep vein thrombosis, JCU 1991; **19:** 133
Cronan JJ; Horn DL; Marcello A; Robinson A; Paolella LP; Lambiase RE; Haas RA; Opal S; Dorfman GS: antibiotics and nephrostomy tube care: preliminary observations. part II. bacteremia, Radiology 1989; **172:** 1043
Cronan JJ; Leen V: recurrent deep venous thrombosis: limitations of US, Radiology 1989; **170:** 739
Cronan JJ; Marcello A; Horn DL; Robinson A; Dorfman GS; Opal S: antibiotics and nephrostomy tube care: preliminary observations. part I. bacteriuria, Radiology 1989; **172:** 1041
Crone K See **Burton EM**
Crone KR See **Barr LL**
Crone MD; Wallace RGH: radiographic features of familial expansile osteolysis, Skeletal Radiol 1990; **19:** 245
Cronin EB See **Jacobson AF**
Cronqvist S See **Annertz M**
Cronqvist S See **Larsson E-M**
Cronqvist S See **Salamon G**
Crooijmans RPMA See **Schwachöfer JHM**
Crook JM See **Mazeron JJ**
Crook JM; Mazeron J-J; Marinello G; et al: interstitial iridium 192 for cutaneous carcinoma of the external nose, Int J Radiat Oncol Biol Phys 1990; **18:** 243
Crook R; Weston M; Wilde RPH; et al: aortic valvoplasty: comparison of the techniques and results of transeptal and retrograde methods, Clin Radiol 1990; **42:** 110
Crooks LE See **Kaufman L**
Crooks LE See **Kramer DM**
Crooks LE See **Rothschild PA**
Crooks LE: some considerations for MR imaging of the liver, Radiology 1991; **180:** 615
Crosby G See **Hurford WE**
Crosby JH; Bryan AB; Gallup DG: fine-needle aspiration of inguinal lymph nodes in gynecologic practice, (ab), Radiology 1989; **172:** 885
Cross AP See **Wilson SE**
Cross AP See **Wolf GL**
Cross FW See **Chong WK**
Cross MA; Elson HR; Aron BS: breast conservation radiation therapy technique for women with large breasts, Int J Radiat Oncol Biol Phys 1989; **17:** 199
Cross P; Lalani Z; Jackson FI; et al: transcardiac passage of thrombus—ultrasonographic visualization, J Canad Assoc Radiol 1989; **40:** 108
Cross PA; Atlas SW; Grossman RI: MR evaluation of brain iron in children with cerebral infarction, AJNR 1990; **11:** 341
Cross RR; Shapiro MD; Som PM: MRI of the parapharyngeal space, Radiol Clin North Am 1989; **27:** 353
Crossin J See **Maglinte DDT**
Crossling FT See **Walsh PF**
Crotty J; Gupta SM: intestinal obstruction diagnosed by cholescintigraphy, Clin Nucl Med 1990; **15:** 870
Crotty J; Gupta SM: serendipitous detection of pleural collection during blood pool imaging for GI bleeding, Clin Nucl Med 1991; **16:** 362
Crouch C; Smith WL: long term sequelae of frostbite, Pediatr Radiol 1990; **20:** 365
Crouse DA See **Prentice ED**
Crouzet G See **Froment J-C**
Crouzet G; Mnif J; Vasdev A; et al: osteoid osteoma of the spine: radiological aspects and value of arteriography, J Neuroradiol 1989; **16:** 145
Crouzet G; Vasdev A; Lambrinidis M; et al: spinal metastases of carotid paraganglioma: one case and review of the literature, J Neuroradiol 1989; **16:** 172
Crow HC See **Harris RD**
Crow J See **Hoskin PJ**
Crow JH See **Glaholm J**
Crow JP; Azar-Kia B; Prinz RA: recurrent occult medullary thyroid carcinoma detected by MR imaging, AJR 1989; **152:** 1255
Crow P See **Sargent SK**
Crowe BL; Hailey D; Benness GT; et al: costs of magnetic resonance imaging services in public hospitals, Australas Radiol 1990; **34:** 219
Crowe J See **Francheschi D**
Crowe JP Jr; Gordon NH; Antunez AR; et al: local-regional breast cancer recurrence following mastectomy, (ab), Radiology 1991; **181:** 292
Crowell R See **Flowers CH**
Crowley BM See **Daly BD**
Crowley M See **Metes JJ**
Crowley MG See **Negendank WG**
Crozier S See **Doddrell DM**
Crozier S; Brereton IM; Rose SE; et al: application of volume-selected, two-dimensional multiple-quantum editing *in vivo* to observe cerebral metabolites, Magn Res Med 1990; **16:** 496
Crucitti F See **Montemaggi P**
Crues JV See **Ehman RL**
Crues JV See **Shellock FG**
Crues JV III See **Hutchins WW**
Crues JV III See **Lynch TCP**
Crues JV III: MR imaging of bone injuries of the knee, (ab), Radiology 1990; **176:** 296
Cruess DF See **Curtis DJ**
Cruikshank JG See **Wardlow JM**
Crum LA See **Dinno MA**
Crummy AB See **Carlson P**
Crummy AB: chronological history of the Society of Cardiovascular and Interventional Radiology from 1973 to 1989, Radiology 1990; **174:** 932
Crummy AB; McDermott JC; Wojtowycz M: technique for embolization of biopsy tracts, AJR 1989; **153:** 67
Crummy AB; Wojtowycz M; McDermott JC: notification of retraction, JVIR 1991; **2:** 408
Crump JM See **Frykberg ER**
Cruz AC See **Richards DS**
Cruz GB See **Lam A**
Crystal GJ See **Madayag MA**
Cua EJ; Oates E: breast uptake of gallium-67 citrate in disseminated *Mycobacterium chelonei*, Clin Nucl Med 1990; **15:** 705
Cucco J See **Cutillo DP**
Cué JI See **Malangoni MA**
Cuellar RE; Gavaler JS; Alexander JA; et al: gastrointestinal tract hemorrhage: the value of a nasogastric aspirate, (ab), Radiology 1991; **178:** 290
Cuenod CA See **Schouman-Claeys E**
Culham JAG See **Mayo JR**
Cullen BM See **Bewley DK**
Cullen GM See **Boker SM**
Cullen J See **Gross GW**
Cullen JBH See **Sherer DM**
Cullen KJ; Yee D; Bates SE; et al: regulation of human breast cancer by secreted growth factors, Acta Oncol 1989; **28:** 835
Cullen MT; Green JJ; Reece EA; et al: comparison of transvaginal and abdominal ultrasound in visualizing the first trimester conceptus, J Ultrasound Med 1989; **8:** 565
Cullinan JE See **Haus AG**
Culling W See **Cobby MJD**
Cullis P See **Tilcock CP**
Cullum ID See **Hall ML**
Cullum ID; Ell PJ; Ryder JP: x-ray dual-photon absorptiometry: a new method for the measurement of bone density, Br J Radiol 1989; **62:** 587
Culter SS See **Polak JF**
Culver BH See **Marini JJ**
Culver CM; Dworkin HJ: radiation safety considerations for post-iodine-131 hyperthyroid therapy, J Nucl Med 1991; **32:** 169
Cumberland DC See **Belli AM**
Cumberland DC See **Sanborn TA**
Cumberlin RL; Dritschilo A; Mossman KL: carcinogenic effects of scattered dose associated with radiation therapy, Int J Radiat Oncol Biol Phys 1989; **17:** 623
Cumberlin RL; Rodgers JE; Fahey FH: digital image processing of radiation therapy portal films, Comput Med Imag Graph 1989; **13:** 227
Cumming WA See **Rappaport DC**
Cumming WA; Thomas VJ: hypermagnesemia: a cause of abnormal metaphyses in the neonate, AJR 1989; **152:** 1071
Cummings BJ: anal cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1309
Cummings CW See **Varneil RM**
Cummings SR; Black DM; Rubin SM: lifetime risk of hip, Colles', or vertebral fracture and coronary heart disease among white postmenopausal women, (ab), Radiology 1990; **175:** 592
Cunha B See **Shabas D**
Cunniffe SMT See **O'Neill P**
Cunningham JJ See **de los Santos ET**
Cunningham JJ; Bacani-Faulls M: sonographic "white line sign" for detection of minimal mucosal thickening in renal transplants, (ab), Radiology 1990; **177:** 596
Cunningham JR: development of computer algorithms for radiation treatment planning, Int J Radiat Oncol Biol Phys 1989; **16:** 1367
Cunningham JR: dose calculations for high energy electron and photon beams, Comput Med Imag Graph 1989; **13:** 241
Cunningham K; Atkinson SA; Paes BA: subcutaneous fat necrosis with hypercalcemia, J Canad Assoc Radiol 1990; **41:** 158
Cunningham KM; Baker RJ; Horowitz M; et al: use of technetium-99m(V)thiocyanate to measure gastric emptying of fat, J Nucl Med 1991; **32:** 878
Cunningham ME See **Elkanis SM**
Cuocolo A See **Simon T**
Cuocolo A; Esposito S; Volpe M; et al: renal artery stenosis detection by combined Gates' technique and captopril test in hypertensive patients, J Nucl Med 1989; **30:** 51
Cuocolo A; McCarthy KE; Sandrock D; et al: radionuclide renography predicts functional changes in patients with renal artery involvement by Takayasu's arteritis, Urol Radiol 1989; **11:** 69
Curatolo P See **Gallucci M**
Curé JK; Cromwell LD; Case JL; et al: auditory dysfunction caused by multiple sclerosis: detection with MR imaging, AJNR 1990; **11:** 817
Curl GR See **Faggioli GL**
Curletti EL See **Basile RM**
Curnes JT See **Boyko OB**
Curnes JT; Oakes WJ; Boyko OB: MR imaging of hindbrain deformity in Chiari II patients with and without symptoms of brainstem compression, AJNR 1989; **10:** 293
Curran B: remote site treatment planning, Comput Med Imag Graph 1989; **13:** 275
Curran RA See **O'Doherty AJ**
Curran WJ See **James AE Jr**

Curran WJ See Lustig RA
Curran WJ Jr See Greven KM
Curran WJ Jr See Herbert SH
Curran WJ Jr See Sandler HM
Curran WJ Jr; Galvin JM; D'Angio GJ: simple dose calculation method for total body photon irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 219
Currarino G See Stannard MW
Currarino G: primary spondylolysis of the axis vertebra (C2) in three children, including one with pyknodysostosis, Pediatr Radiol 1989; **19:** 535
Currarino G; Rutledge JC: ovarian torsion and amputation resulting in partially calcified, pedunculated cystic mass, Pediatr Radiol 1989; **19:** 395
Currarino G; Stannard MW; Kolni H: umbilical vein draining into the inferior vena cava via the internal iliac vein, bypassing the liver, Pediatr Radiol 1991; **21:** 265
Currarino G; Stannard MW; Rutledge JC: sonolucent cortical rim in infantile polycystic kidneys: histologic correlation, J Ultrasound Med 1989; **8:** 571
Currarino G; Weisbruch GJ: transverse fusion of the renal pelves and single ureter, Urol Radiol 1989; **11:** 88
Currie JL: US monitoring of endometrial thickness in estrogen replacement therapy, Radiology 1991; **180:** 306
Curry NS See Chung CJ
Curry NS: urologic pathology with clinical and radiologic correlations, Radiology 1990; **175:** 340
Curry NS; Schabel SI; Garvin AJ; et al: intratumoral fat in a renal oncocytoma mimicking angiomyolipoma, AJR 1990; **154:** 307
Curry NS; Schabel SI; Reiheld CT; Henry WD; Savoca WJ: fatal reactions to intravenous nonionic contrast material, Radiology 1991; **178:** 361
Curtin A See Chakeres DW
Curtin AJ; Chakeres DW; Bulas R; et al: MR imaging artifacts of the axial internal anatomy of the cervical spinal cord, AJNR 1989; **10:** 19
Curtin HD See Eelkema EA
Curtin HD See Rubin J
Curtin HD See Som PM
Curtin HD See Tabor EK
Curtin HD See Weissman JL
Curtin HD: imaging of the larynx: current concepts, Radiology 1989; **173:** 1
Curtin JJ; Webster ADB; Farrant J; et al: bronchiectasis in hypogammaglobulinaemia—a computed tomography assessment, Clin Radiol 1991; **44:** 82
Curtis DJ; Riordan DD; Cruess DF; et al: selecting radiology resident candidates, Invest Radiol 1989; **24:** 324
Curtis EH See Strohbehn JW
Curtis JJ; Nawarawong W; Walls JT; et al: elevated hemidiaphragm after cardiac operations: incidence, prognosis, and relationship to the use of topical ice slush, (ab), Radiology 1990; **176:** 295
Curtis JS See Shellock FG
Curvin MS See Park JH
Cusack A See Mothersill C
Cushnaghan J See Cobby M
Cusmano F See Bassi P
Cutillo AG; Morris AH; Ganesan K; et al: regional effects of repetition time on NMR quantitation of water in normal and edematous lungs, Magn Res Med 1989; **12:** 137
Cutillo DP; Swayne LC; Cucco J; et al: CT and MR imaging in cystic abdominal lymphangiomatosis, JCAT 1989; **13:** 534
Cutillo DP; Swayne LC; Fasciano MG; et al: absence of fatty replacement in radiation damaged liver: CT demonstration, JCAT 1989; **13:** 259
Cutillo DP; Swayne LC; Schwartz JR; et al: intra-amniotic hemorrhage secondary to placenta circumvallate, J Ultrasound Med 1989; **8:** 399
Cutler GB Jr See Doppman JL
Cutler GB Jr See Miller DL
Cutler GB Jr See Perry RR
Cutler SS See Polak JF
Cuttino JT Jr See Parker MD
Cuttino JT Jr; Clark RL; Jennette JC: microradiographic demonstration of human intrarenal microlymphatic pathways, Urol Radiol 1989; **11:** 83
Cwikiel W: percutaneous drainage of abscess in psoas compartment and epidural space: case report and review of the literature, Acta Radiol 1991; **32:** 159
Cwikiel W: percutaneous duodenostomy—alternative route for enteral nutrition, Acta Radiol 1991; **32:** 153
Cwikiel W; Andrén-Sandberg A: diagnostic difficulties with duodenal malignancies revisited: a new strategy, Gastrointest Radiol 1991; **16:** 301
Cwikiel W; Ivancev K; Lunderquist A: metallic stents, Radiol Clin North Am 1990; **28:** 1203
Cynamon J See Bakal CW
Cypess AM See Maneval DC
Cyr DR See Gorell HW
Cyr DR See Komarniski CA
Cyr DR See Patten RM
Cyran SE; Kimball TR; Meyer RA; et al: efficacy of intraoperative transesophageal echocardiography in children with congenital heart disease, (ab), Radiology 1989; **173:** 589
Cytaki EP See Krishnan EC
Cytaki EP See Krishnan L
Cytaki EP See Norton S
Cywiner C See Beaulé V
Czajka J See Walker A
Czarnecki DJ See Fueredi GA
Czarnecki DJ See Van Blarcom ST
Czarnecki DJ See Walton AJ
Czarnecki DJ; Feider HK; Splittgerber GF: toluidine blue dye as a breast localization marker, AJR 1989; **153:** 261
Czervionke LF See Daniels DL
Czervionke LF See Ho PSP
Czinn SJ See Morrison S

D

Dacey LJ; Dow RW; McDaniel MD; et al: cost-effectiveness of intra-arterial thrombolytic therapy, (ab), Radiology 1989; **171:** 885
Dachman AH See Buck JL
Dachman AH; Buck JL; Burke AP; et al: Cronkhite–Canada syndrome: radiologic features, Gastrointest Radiol 1989; **14:** 285
Dachman AH; McGehee JA; Beam TE; Burris JA; Powell DA: US-guided percutaneous laser ablation of liver tissue in a chronic pig model, Radiology 1990; **176:** 129
Dachman AH; McGehee JA; Beam TE; Venbrux AC; Hoyt RF; Burris JA: animal model for fluoroscopically guided laser application in the biliary tree, Radiology 1990; **174:** 1021
Dacie JE See Law P
Dacie JE See Toye R
Dacie JE; Tennant D: new approach to percutaneous transluminal angioplasty of profunda femoris origin stenosis, Cardiovasc Intervent Radiol 1990; **13:** 67
DaCosta MC; Luckey MM; Meier DE; et al: effect of source strength and attenuation on dual photon absorptiometry, J Nucl Med 1989; **30:** 1875
Da Cruz M See Cameron DC
Dadd MJ See Wilson LS
Dadparvar S See Brown SJ
Dadparvar S See Slizofski WJ
Dadsetan MR; Jinkins JR: peripheral vascular gunshot bullet embolus migration to the cerebral circulation: report and literature review, Neuroradiol 1990; **32:** 516
Dadsetan MR; Skerhut HEI: rotational vertebrobasilar insufficiency secondary to vertebral artery occlusion from fibrous band of the longus coli muscle, Neuroradiol 1990; **32:** 514
Dae MW See Botvinick EH
Dae MW; Botvinick EH: imaging of the heart using metaiodobenzylguanidine, J Thorac Imag 1990; **5-3:** 31
Daehler RW See Nguyen VD
Daemen BJG; Elsinga PH; Mooibroek J; et al: PET measurements of hyperthermia-induced suppression of protein synthesis in tumors in relation to effects on tumor growth, J Nucl Med 1991; **32:** 1587
Daepp M See Vock P
Daffner RH See Frankel DG
Daffner RH See Goldberg AL
Daffner RH See Lupetin AR
Daffner RH: ankle trauma, Radiol Clin North Am 1990; **28:** 395
Daffner RH: case report 570, Skeletal Radiol 1989; **18:** 489
Daffner RH: case report 592, Skeletal Radiol 1990; **19:** 73
Daffner RH; Deeb ZL; Goldberg AL; et al: radiologic assessment of post-traumatic vertebral stability, Skeletal Radiol 1990; **19:** 103
Daffner RH; Riemer BL; Butterfield SL: ipsilateral femoral neck and shaft fractures: an overlooked association, Skeletal Radiol 1991; **20:** 251
Dafopoulos N See Kimball BP
Dagirmanjian A; Beckman I: late Greenfield filter vena cava perforation causing a small bowel obstruction: case report, Cardiovasc Intervent Radiol 1990; **13:** 44
D'Agostino AN See Brown TR
D'Agostino HB See Gardner D
D'Agostino HB See vanSonnenberg E
D'Agostino HB; vanSonnenberg E; Sanchez RB; Goodacre BW; Casola G: imaging of the percutaneous cholecystostomy tract: observations and utility, Radiology 1991; **181:** 675
D'Agostino HB; vanSonnenberg E; Schteingart CD; et al: thin-layer chromatography to monitor cholesterol gallstone dissolution by methyl *tert*-butyl ether, AJR 1991; **157:** 33
D'Agostino HRV; Liebig RJ; McGovern M; et al: effects of iopamidol and iohexol in rat lungs following experimental aspiration, Invest Radiol 1989; **24:** 899
Daher S See Van den Abbeele AD
Dahl JR See Myers WG
Dahlberg PJ; Frecentese DF; Cogbill TH: cholesterol embolism: experience with 22 histologically proven cases, (ab), Radiology 1990; **174:** 294
Dahlbom M See Cherry SR
Dahlen DD See Graham MM
Dahlen RT; Foley HT: medical malpractice claims in diagnostic radiology: update, Radiology 1989; **170:** 277
Dahlenburg SL; Bishop NJ; Lucas A: are preterm infants at risk for subsequent fractures?, (ab), Radiology 1990; **175:** 888
Dahlgren M See Wisneski JA
Dahlin DC See Unni KK
Dahms BB See Morrison S
Dahn MS See Hans B
Dähnert W See Rifkin MD
Dahnert WF; Rifkin MD; Kurtz AB: ultrasound case of the day: annual meeting, 1988, Radiographics 1989; **9:** 554
Dahniya MH See Szmigielski W
Dail DH See Talner LB
Daily PO: early and five-year results for coronary artery bypass grafting: a benchmark for percutaneous transluminal coronary angioplasty, (ab), Radiology 1989; **173:** 587
Dake MD See Becker GJ
Dake MD See Dolmatch BL
Dake MD See Katzen BT
Dake MD See Palmaz JC
Dake MD See Rees CR
Dake MD See Zemel G
Dake MD; Zemel G; Dolmatch BL; Katzen BT: cause of superior vena cava syndrome: diagnosis with percutaneous atherectomy, Radiology 1990; **174:** 957
Daiakas MC See Fraser DD
Dalal PS See Sagerman RH
Dalal R See Barnowsky L
Dale G See Kingsley DPE
Dale K See Klaw N-E
Dale LD; Widdick DA; Edwards DI: comparative DNA damage and repair induced by misonidazole, CB 1954 and RSU 1069, Int J Radiat Oncol Biol Phys 1989; **16:** 995
Dale RG: radiobiological assessment of permanent implants using tumour repopulation factors in the linear-quadratic model, Br J Radiol 1989; **62:** 241
Dale RG: use of small fraction numbers in high dose-rate gynaecological afterloading: some radiobiological considerations, Br J Radiol 1990; **63:** 290
Dale S; Bone D: thallium-201 myocardial tomography with a rotating slant-hole collimator and a large number of projections, J Nucl Med 1990; **31:** 1682
Dale S; Bone D: tomography using a rotating slant-hole collimator and a large number of projections, J Nucl Med 1990; **31:** 1675
Dalecki D; Keller BB; Carstensen EL; et al: thresholds for premature ventricular contractions in frog hearts exposed to lithotripter fields, Ultrasound Med Biol 1991; **17:** 341
Dales RE; Stark RM; Raman S: computed tomography to stage lung cancer: approaching a controversy using meta-analysis, (ab), Radiology 1990; **177:** 890
Dalesio O See Roussel A
Dalesio OB See McVie JG
D'Alessandro AM See Stratta RJ
Dalianis H See Erasmie U
Dalinka MK See Chan TW
Dalinka MK See Kricun R
Dalinka MK See Langer JE
Dalinka MK See Li C
Dalinka MK See Mason MD
Dalinka MK See Meyer SJF
Dalinka MK See Murphy WA Jr
Dalinka MK See Roberts MC
Dalinka MK See Tsai JC
Dalinka MK See Zlatkin MB
Dalinka MK; Boorstein JM; Zlatkin MB: computed tomography of musculoskeletal trauma, Radiol Clin North Am 1989; **27:** 933
Dalinka MK; Kricun ME; Zlatkin MB; et al: modern diagnostic imaging in joint disease, AJR 1989; **152:** 229
Dalinka MK; Zlatkin MB; Chao P; et al: use of magnetic resonance imaging in the evaluation of bone and soft-tissue tumors, Radiol Clin North Am 1990; **28:** 461
Dall B See Baxter GM
Dall B See Harding M
Dall G See Learmonth ID
Dalla Palma L; Bazzocchi M; Cressa C; et al: radiological anatomy of the kidney revisited, Br J Radiol 1990; **63:** 680

Dalla-Palma L; Pozzi-Mucelli RS: problematic renal masses in ultrasonography and computed tomography, Clin Imag 1990; **14:** 83

Dalla-Palma L; Pozzi-Mucelli F; di Donna A; et al: cystic renal tumors: US and CT findings, Urol Radiol 1990; **12:** 67

Dalla Palma L; Pozzi Mucelli RS; Ricci C; et al: ultrasonography in oncology: a review, Acta Oncol 1989; **28:** 157

Dallas WJ See **Rehm K**

Dalley RW See **Varnell RM**

Dalley RW See **Wessbecher FW**

Dalley RW; Robertson WD; Rootman J: globe tenting: a sign of increased orbital tension, AJNR 1989; **10:** 181

Dally O See **Avrahami E**

Dalman R; Kohler TR: cerebrovascular accident after Greenfield filter placement for paradoxical embolism, (ab), JVIR 1991; **2:** 290

Dalman R; Kohler TR: cerebrovascular accident after Greenfield filter placement for paradoxical embolism, (ab), Radiology 1989; **173:** 292

Dalmark M See **Bastholt L**

Dalmark M See **Keldsen N**

Dalmark M; Pals H; Johnsen AH: doxorubicin in combination with verapamil in advanced colorectal cancer: a phase II trial, Acta Oncol 1991; **30:** 23

Dal Pozzo G See **Mascalchi M**

Dal Pozzo G; Mascalchi M; Fonda C; et al: lower cranial nerve palsy due to dissection of the internal carotid artery: CT and MR imaging, JCAT 1989; **13:** 989

Dalrymple GV See **Cavin LW**

Dalsing MC See **Becker GJ**

Dalton CB See **Hewson EG**

Dalton CB See **Ott DJ**

Dalton HR See **Yeoman LJ**

Dalvi BV See **Lokhandwala YY**

Daly BD; Coffey SL; Behan M: ultrasonographic appearances of parathyroid carcinoma, Br J Radiol 1989; **62:** 1017

Daly BD; Crowley BM: radiological appearances of colonic ring staple anastomoses, Br J Radiol 1989; **62:** 256

Daly BD; Moore DP: atypical amyloidosis of bone, Br J Radiol 1989; **62:** 859

Daly BD; Russell JL; Davidson MJ; et al: thin section computed tomography in the evaluation of naso-ethmoidal trauma, Clin Radiol 1990; **41:** 272

Daly BDT; Faling LJ; Diehl JT; et al: computed tomography-guided minithoracotomy for the resection of small peripheral pulmonary nodules, (ab), Radiology 1991; **181:** 611

Daly DC See **Reuter KL**

Daly J See **Chan TW**

Daly JM See **Imai Y**

Daly JM See **Outwater E**

Daly L See **Logan H**

Daly NJ See **Delannes M**

Daly PF See **Wolf GL**

Daly RC; Trastek VF; Pairolero PC; et al: bronchoalveolar carcinoma: factors affecting survival, (ab), Radiology 1991; **181:** 909

Daly V See **Landy HJ**

Dám AM; Gazsó LG; Bodó K: radiation response of E. coli after combined treatment with misonidazole and WR-2721 at various oxygen concentrations, Acta Oncol 1990; **29:** 1055

Damascelli B; Bonalumi MG; Marchianò A; et al: continuous infusion with implantable pumps: expanding the radiologist's role, Eur J Radiol 1991; **12:** 191

D'Amato CJ See **Brunberg JA**

D'Ambra P See **Calandrino C**

Damenz W See **Unger C**

Damilakis JE; Tsouderos JG: optimal CT settings for head imaging in the paediatric patient: an analysis of absorbed dose, Eur J Radiol 1989; **9:** 48

Dammer M See **Adam G**

D'Amour PG See **Barakos JA**

Dan SJ See **Edelman MA**

Dan SJ See **Mendelson DS**

Dan SJ See **Sanborn TA**

Danahy S See **Belton RL**

Danais S See **Brassard A**

Danchin N See **Juillière Y**

Danchin N; Oswald T; Voiriot P; et al: significance of spontaneous obstruction of high-degree coronary artery stenoses between diagnostic angiography and later percutaneous transluminal coronary angioplasty, (ab), Radiology 1989; **173:** 292

D'Andrea A See **Bellah R**

Daneman A See **Eich GF**

Daneman A See **Harwood-Nash DC**

Daneman A See **McHugh K**

Daneman A See **Stringer DA**

Daneman A; Alton DJ: radiographic manifestations of renal anomalies, Radiol Clin North Am 1991; **29:** 351

Danesino C See **Pazzaglia UE**

Dang H See **Deutsch L-S**

D'Angelo AJ Jr See **Swartz JD**

D'Angio GJ See **Curran WJ Jr**

D'Angio GJ; Breslow N; Beckwith JB; et al: treatment of Wilms' tumor: results of the Third National Wilms' Tumor Study, (ab), Radiology 1990; **174:** 295

D'Angio GJ; Rorke LB; Packer R; et al: key problems in the management of children with brain tumors, Int J Radiat Oncol Biol Phys 1990; **18:** 805

Dangman BC; Griscom NT: pediatric case of the day, Radiographics 1991; **11:** 156

Dangman BC; Lebowitz RL: urinary tract calculi that form on surgical staples: a characteristic radiologic appearance, AJR 1991; **157:** 115

Daniel F See **MacLeod PM**

Daniel GB See **Hoskinson JJ**

Daniel TB; Akins EW; Hawkins IF Jr: solution to the problem of high-flow jets from miniature angiographic catheters, AJR 1990; **154:** 1091

Daniel WG See **Mägge A**

Danieli D See **Pozza F**

Daniels A See **Sternlicht M**

Daniels DL See **Breger RK**

Daniels DL See **Hyde JS**

Daniels DL See **Millen SJ**

Daniels DL See **Segall HD**

Daniels DL See **Veluvolu P**

Daniels DL; Czervionke LF; Hendrix LE; et al: gradient recalled echo MR imaging of superior sagittal sinus occlusion, Neuroradiol 1989; **31:** 134

Daniels DL; Czervionke LF; Millen SJ; Haberkamp TJ; Meyer GA; Hendrix LE; Mark LP; Williams AL; Haughton VM: MR imaging of facial nerve enhancement in Bell palsy or after temporal bone surgery, Radiology 1989; **171:** 807

Daniels JR See **Molgaard CP**

Daniels JR See **Sternlicht M**

Daniels O See **Mullaart RA**

Daniëls O See **Thijssen JM**

Daniels S; Price DJ: sonoluminescence in water and agar gels during irradiation with 0.75 MHz continuous-wave ultrasound, Ultrasound Med Biol 1991; **17:** 297

Danielsen R See **Nordrehaug JE**

Danielski EF See **Lusins JO**

Danielson B; Frennered K; Selvik G; et al: roentgenologic assessment of spondylolisthesis: II. an evaluation of progression, Acta Radiol 1989; **30:** 65

Danielsson P-E See **Magnusson M**

Danilov SM; Martynov AV; Klibanov AL; et al: radioimmunoimaging of lung vessels: an approach using indium-111-labeled monoclonal antibody to angiotensin-converting enzyme, J Nucl Med 1989; **30:** 1686

Danjoux CE See **Raaphorst GP**

Dann R; Hoford J; Kovačič S; et al: evaluation of elastic matching system for anatomic (CT, MR) and functional (PET) cerebral images, JCAT 1989; **13:** 603

Dannals RF See **Villemagne VL**

Danovitch G See **Glassock RJ**

Dantas RO; Dodds WJ; Massey BT; et al: effect of high- vs low-density barium preparations on the quantitative features of swallowing, AJR 1989; **153:** 1191

d'Anthouard F See **Sigal R**

Danz B See **Thon WF**

Dao TH; Mathieu D; Nguyen-tan T; Derhy S; Vasile N: value of MR imaging in evaluating focal fatty infiltration of the liver: preliminary study, Radiographics 1991; **11:** 1003

Dao-Lan Z See **Wen-Zhan C**

DaPonte JS; Sherman P: classification of ultrasonic image texture by statistical discriminant analysis and neural networks, Comput Med Imag Graph 1991; **15:** 3

D'Aprile P See **Carella A**

Darby JM See **Pistola F**

Darby M See **Davies RA**

Darcy M See **Milutinovic J**

Darcy MD See **Bower BL**

Darcy MD See **Epstein DH**

Darcy MD See **Hicks ME**

Darcy MD See **Horstman WG**

Darcy MD See **Hunter DW**

Darcy MD See **Picus D**

Darcy MD: lower-extremity arteriography: current approach and techniques, Radiology 1991; **178:** 615

Darcy MD; McClennan BL; Picus D; et al: transcervical salpingoplasty: current techniques and results, Urol Radiol 1991; **13:** 74

Dardoufas C See **Gouliamos A**

Darillis E See **Bellah R**

Darling CF See **Byrd SE**

Darling JD; Flickinger FW: splenosis mimicking neoplasm in the perirenal space: CT characteristics, JCAT 1990; **14:** 839

Darling RC See **Brewster DC**

Darnault P See **Bretagne J-F**

Darnell DK See **Moseley ME**

Darney PD; Sweet RL: routine intraoperative ultrasonography for second trimester abortion reduces incidence of uterine perforation, J Ultrasound Med 1989; **8:** 71

Darnis E See **Body G**

Darrasse L See **Bittoun J**

D'Arrigo J See **Simon RH**

Darrow RD See **Dumoulin CL**

Dartevelle PG; Khalife J; Chapelier A; et al: tracheal sleeve pneumonectomy for bronchogenic carcinoma: report of 55 cases, (ab), Radiology 1989; **170:** 583

Darwin CJ See **Warren RC**

Darwin RH; Laine FJ; DeBlois GG; et al: computed tomography of benign mesenchymoma of the neck, JCAT 1989; **13:** 514

Daryabagi J See **Kramer LD**

Daryabagi J See **Nalls G**

Darzi A See **Hamilton S**

Das DK See **Kashyap V**

Das IJ; Kase KR; Fitzgerald TJ; et al: study of dose perturbation parameters for eye shielding in megavoltage photon beam therapy, Int J Radiat Oncol Biol Phys 1990; **19:** 461

Das RK See **Banerjee B**

D'Ascenzo R See **Solivetti FM**

Dash N See **Soo MSC**

Dash N; Lupetin AR: uterine rupture secondary to trauma: CT findings, JCAT 1991; **15:** 329

Dashefsky SM; Cooperberg PL; Harrison PB; et al: total occlusion of the common carotid artery with patent internal carotid artery: identification with color flow Doppler imaging, J Ultrasound Med 1991; **10:** 417

Dasher BG See **Shah KJ**

Da Silva MG See **Rizzo AJ**

Da Silva VF See **Raaphorst GP**

Dasmahapatra KS; Swaminathan AP: use of biodegradable mesh to prevent radiation-associated small-bowel injury, (ab), Radiology 1991; **180:** 883

Das Narla L See **Fulcher AS**

Das Narla L; Hom M; Lofland GK; Moskowitz WB: evaluation of umbilical catheter and tube placement in premature infants, Radiographics 1991; **11:** 849

Dastur KJ See **Wildenhain PM**

Datoc PD; Hayes CW; Conway WF; Bosch HA; Neal MP: mammographic follow-up of nonpalpable low-suspicion breast abnormalities: one versus two views, Radiology 1991; **180:** 387

Dattoli M See **Armstrong JG**

Dattoli MJ; Gretz HF III; Beller U; et al: analysis of multiple prognostic factors in patients with stage IB cervical cancer: age as a major determinant, Int J Radiat Oncol Biol Phys 1989; **17:** 41

Dattoli MJ; Newall J: radiation therapy for intracranial germinoma: the case for limited volume treatment, Int J Radiat Oncol Biol Phys 1990; **19:** 429

D'Attoma N See **Pistolesi GF**

Datz FL See **Christian PE**

Datz FL; Christian PE; Hutson WR; et al: physiological and pharmacological interventions in radionuclide imaging of the tubular gastrointestinal tract, Semin Nucl Med 1991; **21:** 140

Datz FL; Gullberg G; Gabor FV; et al: SPECT myocardial perfusion imaging update, Semin US CT MR 1991; **12:** 28

Dauber JH See **Faber CN**

Daud AB See **Nuruddin RN**

Daugherty A See **Moerlein SM**

Daugherty JR See **Griffin MR**

Daughtery K See **Parker MD**

Daum-Kowalski R; Shanley DJ; Murphy T: MRI diagnosis of delayed presentation of traumatic diaphragmatic hernia, Gastrointest Radiol 1991; **16:** 298

Daus HJ See **Neuerburg JM**

Dauser RC See **Brunberg JA**

Dautenhahn LW; Rona G; Saperstein ML; et al: lymphoma in a pelvic spleen: CT features, JCAT 1989; **13:** 1081

d'Avella D; Cicciarello R; Albiero F; et al: effect of intracarotid injection of iopamidol on local cerebral glucose utilization in rat brain, AJNR 1989; **10:** 797

Davenport J See **Tehranzadeh J**

Davey DD See **Stigers KB**

Davey H See **Cremin BJ**

Davey HA; Cremin BJ; Smith CS: case report 625, Skeletal Radiol 1990; **19:** 395

Davey IC See **Handler LC**

Davey J See **Powles TJ**

Davey JB See **Cosgrove DO**

David C See **Moulopoulos A**

David CL See **DuBrow RA**

David CL See **Lorigan JG**

David CL See **Loyer EM**

David CL See **Stewart RR**

David F See **Fink GD**

David G; Price SC: performing JCAHO dose calculations with the aid of a microcomputer spreadsheet program, AJR 1990; **154:** 863

David J-M See **Bachaud J-M**

David P See **Sigal R**

David P See **Vasdev A**

David R See **Kumar R**

David R See **Tien R**
David R; Lamki N; Fan S; Singleton EB; Eftekhari F; Shirkhoda A; Kumar R; Madewell JE: many faces of neuroblastoma, Radiographics 1989; **9:** 859
David R; Oria RA; Kumar R; et al: radiologic features of eosinophilic granuloma of bone, AJR 1989; **153:** 1021
Davidoff A See **Kelly J**
Davidoff AM See **Knechtle SM**
Davidson AJ See **Glass RBJ**
Davidson AJ See **Hayes WS**
Davidson AJ See **Osborn AG**
Davidson AJ See **Talner LB**
Davidson AJ; Hartman DS: lymphangioma of the retroperitoneum: CT and sonographic characteristics, Radiology 1990; **175:** 507
Davidson AJ; Hartman DS; Goldman SM: mature teratoma of the retroperitoneum: radiologic, pathologic, and clinical correlation, Radiology 1989; **172:** 421
Davidson CJ See **Sheikh KH**
Davidson CJ; Harrison JK; Leithe ME; et al: failure of balloon aortic valvuloplasty to result in sustained clinical improvement in patients with depressed left ventricular function, (ab), Radiology 1990; **176:** 590
Davidson CJ; Mark DB; Pieper KS; et al: thrombotic and cardiovascular complications related to nonionic contrast media during cardiac catheterization: analysis of 8,517 patients, (ab), Radiology 1991; **178:** 293
Davidson D See **Platt JF**
Davidson JK See **Beggs I**
Davidson MJ See **Daly BD**
Davidson NGP; Roy UK; Khanna S: oesophageal carcinoma following internal mammary chain irradiation for carcinoma of the breast—a report of six cases, Acta Oncol 1990; **29:** 1059
Davidson PG See **El Ferzli G**
Davidson R See **Hayes E**
Davidson RM; Dhekne RD; Moore WH; et al: indium-111 WBC scan in acute toxic centrilobular hepatic necrosis, Clin Nucl Med 1989; **14:** 877
Davidson RM; Dhekne RD; Moore WH; et al: metastatic calcification in a patient with malignant parathyroid carcinoma: correlation of clinical, surgical, radiographic, and scintigraphic findings, Clin Nucl Med 1990; **15:** 692
Davies A See **Gehani AA**
Davies AM See **Bradley SA**
Davies AM See **Carter SR**
Davies AM See **Cassar-Pullicino VN**
Davies AM See **Holland P**
Davies AM See **Manns RA**
Davies AM See **Roberts P**
Davies AM; Bradley SA: iliac insufficiency fractures, Br J Radiol 1991; **64:** 305
Davies AM; Carter SR; Grimer RJ; et al: fatigue fractures of the femoral diaphysis in the skeletally immature simulating malignancy, Br J Radiol 1989; **62:** 893
Davies AM; Cassar-Pullicino VN: demonstration of osteochondritis dissecans of the talus by coronal computed tomographic arthrography, Br J Radiol 1989; **62:** 1050
Davies AM; Evans N: case of the month: a painful knee, Br J Radiol 1989; **62:** 1103
Davies AM; Evans N; Chandy J: outpatient lumbar radiculography: comparison of iopamidol and iohexol and a literature review, Br J Radiol 1989; **62:** 716
Davies AM; Evans N; Grimer RJ: case of the month: the jockey with a mass in the thigh, Br J Radiol 1989; **62:** 183
Davies AM; Fitzgerald R; Evans N: out-patient lumbar radiculography with iohexol, Clin Radiol 1989; **40:** 413
Davies AM; Morris E; Manns RA; et al: real-time digital contrast enhancement and magnification in the assessment of scaphoid and other wrist injuries, Br J Radiol 1990; **63:** 934
Davies BM See **Hopwood LE**
Davies DR See **Travis S**
Davies ER: Knox lecture: predictions and premonitions, Clin Radiol 1991; **43:** 234
Davies JM See **Smith SR**
Davies ML See **Tweed JJ**
Davies ML; Macpherson P: fibrous dysplasia of the skull: disease activity in relation to age, Br J Radiol 1991; **64:** 576
Davies P See **McCullough M**
Davies P See **Stinchcombe SJ**
Davies RA; Darby M; Richards MA: hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. a case report and review of the literature, Clin Radiol 1991; **43:** 268
Davies RJ See **Senofsky GM**
Davies RJ; Sandrasagra FA; Joseph AEA: case report: ultrasound in the diagnosis of gallstone ileus, Clin Radiol 1991; **43:** 282
Davies RJ; Saverymuttu SH; Fallowfield M; et al: paradoxical lack of ultrasound attenuation with gross fatty change in the liver, Clin Radiol 1991; **43:** 393
Davies RP; Ford WDA; LeQuesne GW; et al: ultrasonic detection of subdiaphragmatic pulmonary sequestration in utero and postnatal diagnosis by fine-needle aspiration biopsy, J Ultrasound Med 1989; **8:** 47
Davies RP; Slavotinek JP; Dorney SFA: VIP secreting tumours in infancy: a review of radiological appearances, Pediatr Radiol 1990; **20:** 504
Davies RP; Slavotinek JP; James SL; et al: calcified cerebral sinus thrombosis in infancy—CT appearances with pathological correlation, Pediatr Radiol 1989; **20:** 101
Davies SG; Baudouin CJ; King JB; et al: ultrasound, computed tomography and magnetic resonance imaging in patellar tendinitis, Clin Radiol 1991; **43:** 52
Davies SG; Garvie NW: role of indium-labelled leukocyte imaging in pyrexia of unknown origin, Br J Radiol 1990; **63:** 850
Davies TW; Prener A; Engholm G: body size and cancer of the testis, Acta Oncol 1990; **29:** 287
Davion T; Rosat P; Sevestre H; et al: MR imaging of CNS relapse of Whipple disease, JCAT 1990; **14:** 815
Davis C See **McBride WH**
Davis CA See **Hirshfeld JW Jr**
Davis CJ See **Bjork KJ**
Davis DO See **Boden SD**
Davis DO: on research, training, politico-economics, and radiology, Radiology 1989; **171:** 319
Davis GB See **Valji K**
Davis GW See **Helms CA**
Davis J See **Stern MJ**
Davis JL See **Watson EE**
Davis JR See **Fajardo LL**
Davis JW See **Wasnich RD**
Davis KA See **Geis JR**
Davis KR See **Edelman RR**
Davis KR See **Gean-Marton AD**
Davis KR See **Kuhn MJ**
Davis KR See **Pearsen KD**
Davis L See **Tech KE**
Davis LE See **Orrison WW**
Davis LM See **Raptopoulos V**
Davis LP See **Baron NW**
Davis LW See **Rosenow UF**
Davis LW: malignant glioma—a nemesis which requires clinical and basic investigation in radiation oncology, Int J Radiat Oncol Biol Phys 1989; **16:** 1355
Davis M See **Ablin DS**
Davis M See **Hart BL**
Davis M See **Johnson M**
Davis M See **King JN**
Davis M See **Monsein LH**
Davis M See **Williamson MR**
Davis M: not density! are you dense?: reply, Radiology 1990; **176:** 582
Davis M: pharmacology of the sphincter of Oddi, Radiology 1990; **174:** 146
Davis M: physiology of the human sphincter of Oddi, Radiology 1990; **174:** 146
Davis M: screening for osteoporosis, Radiology 1990; **176:** 478
Davis M; Gogel H; McIntire C; et al: esophageal carcinoma multiplex with gastric metastasis, Gastrointest Radiol 1989; **14:** 6
Davis M; Maxwell G; Gogel H; et al: lymphomatous polyposis of the colon, Gastrointest Radiol 1989; **14:** 70
Davis M; Palmer P; Kelsey C: use of C-arm fluoroscope to examine patients with swallowing disorders, AJR 1990; **155:** 986
Davis MA See **D'Orsi CJ**
Davis MA See **Kabalka GW**
Davis MA See **Lawrence TS**
Davis MA; Chinol M: radiopharmaceuticals for radiation synovectomy: evaluation of two yttrium-90 particulate agents, J Nucl Med 1989; **30:** 1047
Davis MJ See **Lum PA**
Davis MJ See **Moser RP Jr**
Davis MJ See **Segall GM**
Davis MR See **Williams RS**
Davis PC See **Atkinson GO Jr**
Davis PC See **Beckett WW Jr**
Davis PC See **Castillo M**
Davis PC See **Hudgins PA**
Davis PC; Gokhale KA; Joseph GJ; Peterman SB; Adams DA; Tindall GT; Hudgins PA; Hoffman JC Jr: pituitary adenoma: correlation of half-dose gadolinium-enhanced MR imaging with surgical findings in 26 patients, Radiology 1991; **180:** 779
Davis PC; Hudgins PA; Peterman SB; et al: diagnosis of cerebral metastases: double-dose delayed CT vs contrast-enhanced MR imaging, AJNR 1991; **12:** 293
Davis PC; Hudgins PA; Peterman SB; et al: diagnosis of cerebral metastases: double-dose delayed CT vs contrast-enhanced MR imaging, AJR 1991; **156:** 1039
Davis PC; Wichman RD; Takei Y; et al: primary cerebral neuroblastoma: CT and MR findings in 12 cases, AJNR 1990; **11:** 115
Davis PC; Wichman RD; Takei Y; et al: primary cerebral neuroblastoma: CT and MR findings in 12 cases, AJR 1990; **154:** 831
Davis PK; Pae WE Jr; Pierce WS: toward an implantable artificial heart: experimental and clinical experience at the Pennsylvania State University, Invest Radiol 1989; **24:** 81
Davis PL See **Koslow SA**
Davis PL See **Newman B**
Davis PL See **Straub WH**
Davis PL See **Wolf GL**
Davis PL; Wolf GL; Gillen JS: indicator dilution time activity curves demonstrated by rapid magnetic resonance imaging techniques and paramagnetic contrast agent, Invest Radiol 1989; **24:** 400
Davis PS See **Teitelbaum GP**
Davis R See **Evans SH**
Davis R See **Zinreich SJ**
Davis RC See **Torres WE**
Davis RP See **Diettrich NA**
Davis SD See **Berkmen YM**
Davis SD See **Henschke CI**
Davis SD See **Weinreb JC**
Davis SD: CT evaluation for pulmonary metastases in patients with extrathoracic malignancy, Radiology 1991; **180:** 1
Davis SD; Berkmen YM; King T: peripheral bronchial involvement in relapsing polychondritis: demonstration by thin-section CT, AJR 1989; **153:** 953
Davis SD; Berkmen YM; Wang JCL: interleukin-2 therapy for advanced renal cell carcinoma: radiographic evaluation of response and complications, Radiology 1990; **177:** 127
Davis SD; Henschke CI; Yankelevitz DF; et al: MR imaging of pleural effusions, JCAT 1990; **14:** 192
Davis SD; Maldjian C; Perone RW; et al: CT of the airways, Clin Imag 1990; **14:** 280
Davis SD; Zirn JR; Govoni AF; et al: peripheral carcinoid tumor of the lung: CT diagnosis, AJR 1990; **155:** 1185
Davis SE See **Rana J**
Davis SG; Turner MJ: enhancement of collapsed lung: a potential pitfall in CT interpretation, Clin Radiol 1990; **42:** 192
Davis SH See **Molgaard CP**
Davis SJ See **Bradley WG Jr**
Davis SJ; Patel A: case report: distinctive echogenic lymphadenopathy in Whipples disease, Clin Radiol 1990; **42:** 60
Davis SJ; Teresi LM; Bradley WG Jr; et al: "notch" sign: meniscal contour deformities as indicators of tear in MR imaging of the knee, JCAT 1990; **14:** 975
Davis SJ; Teresi LM; Bradley WG Jr; Ressler JA; Eto RT: effect of arm rotation on MR imaging of the rotator cuff, Radiology 1991; **181:** 265
Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE: cervical spine hyperextension injuries: MR findings, Radiology 1991; **180:** 245
Davis SJ; Yoong MFP: characteristic appearances of colonic lipomas on barium enema: a guide to conservative management, Australas Radiol 1990; **34:** 131
Davis SP; Stomper PC; Weidner N; Meyer JE: suture calcification mimicking recurrence in the irradiated breast: a potential pitfall in mammographic evaluation, Radiology 1989; **172:** 247
Davis TM Jr See **Hendrix RW**
Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS: retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Radiology 1990; **174:** 59
Davis WL; Smoker WRK; Harnsberger HR: normal and diseased infrahyoid retropharyngeal, danger, and prevertebral spaces, Semin US CT MR 1991; **12:** 241
Davis WL; Smoker WRK; Harnsberger HR: normal and diseased retropharyngeal and prevertebral spaces, Semin US CT MR 1990; **11:** 520
Davison LM See **Borgstein RL**
Davitt MA See **Wood BP**
Davoren P See **Puvaneswary M**
Davros WJ See **Choyke PL**
Davros WJ See **Garra BS**
Davros WJ See **Zeman RK**
Davros WJ; Garra BS; Zeman RK: gallstone lithotripsy: relevant physical principles and technical issues, Radiology 1991; **178:** 397
Davy TJ See **Barrett JH**
Dawes PJDK; Dean EM; Lambert GD: results of treatment of carcinoma of the uterine cervix using the Newcastle afterloading technique, Br J Radiol 1989; **62:** 64
Dawes PJDK; Patrick D; Hall K: role of computed tomography and coronal plane tomography in radiotherapy for laryngeal cancers, Br J Radiol 1989; **62:** 729
Dawood RM; Craig JOMC; Highman JH; et al: clinical diagnosis from digital displays: preliminary findings of the St Mary's evaluation project, Clin Radiol 1989; **40:** 369

Dawson AK: radiation therapy in recurrent pleomorphic adenoma of the parotid, Int J Radiat Oncol Biol Phys 1989; **16:** 819
Dawson DJ See **Gaspar LE**
Dawson KJ; Hamilton G: recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Radiology 1991; **178:** 283
Dawson KL See **Moore SG**
Dawson KL; Moore SG; Ariagno RL: neonatal tuberous sclerosis: magnetic resonance apearance of subependymal tubers, Australas Radiol 1990; **34:** 247
Dawson P See **McCarthy P**
Dawson P See **Sackier JM**
Dawson P See **Trewhella M**
Dawson P: contrast agents, red cells, coagulation, and the angiographer, Invest Radiol 1990; **25:** S117
Dawson P: iodinated intravascular contrast agents past and present: toxicity considerations, Invest Radiol 1990; **25:** S11
Dawson P; Bradshaw A: radiocontrast agents are contact activators of coagulation, Br J Radiol 1989; **62:** 631
Dawson P; Dunn G: intraarterial digital subtraction venography (i.a.-DSV) of abdominal vessels, Acta Radiol 1989; **30:** 109
Dawson P; Hartnell GG; Grollman JH Jr: thrombogenic potential of nonionic contrast media?, Radiology 1990; **177:** 280
Dawson P; Strickland NH: thromboembolic phenomena in clinical angiography: role of materials and technique, JVIR 1991; **2:** 125
Dawson P; Trewhella M: review: imaging the painful shoulder, Clin Radiol 1990; **41:** 376
Dawson PJ See **Greenfield GB**
Dawson RC III; Horton JA: MR imaging of mucoceles of the sphenoid sinus, AJNR 1989; **10:** 613
Dawson RC III; Tarr RW; Hecht ST; et al: treatment of arteriovenous malformations of the brain with combined embolization and stereotactic radiosurgery: results after 1 and 2 years, AJNR 1990; **11:** 857
Dawson SL See **Goldberg MA**
Dawson SL See **Mueller PR**
Dawson SL; Girard MJ; Saini S; et al: placement of a metallic biliary endoprosthesis via cholecystostomy, AJR 1991; **157:** 491
Dawson WB; Mayo JR; Müller NL: computed tomography of cardiac and pericardial tumors, J Canad Assoc Radiol 1990; **41:** 270
Dawson WB; Müller NL: high-resolution computed tomography in pulmonary sarcoidosis, Semin US CT MR 1990; **11:** 423
Dawson WB; Müller NL; Miller RR: pulmonary sclerosing hemangioma: unusual cause of a solitary pulmonary nodule, J Canad Assoc Radiol 1990; **41:** 372
Day DL See **Drake DG**
Day DL See **Letourneau JG**
Day DL; Johnson R; Cohen MD: abdominal neuroblastoma with inferior vena caval tumor thrombus: report of three cases (one with right atrial extension), Pediatr Radiol 1991; **21:** 205
Day DL; Johnson RT; Odrezin GT; Woods WG; Alford BA: renal atrophy or infarction in children with neuroblastoma, Radiology 1991; **180:** 493
Day DL; Mulcahy PF; Dehner LP; et al: post-operative abdominal CT scanning in extrahepatic biliary atresia, Pediatr Radiol 1989; **19:** 379
Day MJ; Lambert GD; Locks SM: effect of secondary electron spread on the penumbra in high energy photon beam therapy, Br J Radiol 1990; **63:** 278
Day RH See **Genez BM**
Daya S; Woods S; Ward S; et al: transvaginal ultrasound scanning in early pregnancy and correlation with human chorionic gonadotropin levels, JCU 1991; **19:** 139
D'Cruz IA; Aboulatta H; Killam H; et al: quantitative two-dimensional echocardiographic assessment of left ventricular shape in ischemic heart disease, JCU 1989; **17:** 569
Deacon AD See **Smith DAS**
Deacon CS; Smart PJ; Rimmer S: antenatal diagnosis of congenital cystic adenomatoid malformation of the lung, Br J Radiol 1990; **63:** 968
De Aluja AS; González D; Carbajal JR; et al: histological description of tomographic images of *Taenia solium* cysticerci in pig brains, Clin Imag 1989; **13:** 292
Dean B See **Runge VM**
Dean B See **Williams KD**
Dean BL See **Runge VM**
Dean BL; Drayer BP; Bird CR; Flom RA; Hodak JA; Coons SW; Carey RG: gliomas: classification with MR imaging, Radiology 1990; **174:** 411
Dean DM See **Paul AB**
Dean EM See **Dawes PJDK**
Dean GW See **Lisbona R**
Dean PB: radiographic contrast agents. 2nd ed, Radiology 1989; **173:** 388
Dean RT See **Bogard WC Jr**
Dean RT See **Knight LC**
Dean S See **Canney PA**
Dean TR See **Maher JW**
Deane C See **Olliff S**
Deans HE; Smith FW; Lloyd DJ; et al: fetal fat measurement by magnetic resonance imaging, Br J Radiol 1989; **62:** 603
Dearnaley D See **Brada M**
Dearnaley DP; A'Hern RP; Whittaker S; et al: pineal and CNS germ cell tumors: Royal Marsden Hospital experience 1962–1987, Int J Radiat Oncol Biol Phys 1990; **18:** 773
de Bakker HM See **Haan J**
de Bakker HM; Roos RAC; Voormolen JHC; et al: lumbar disk degeneration in spinal dysraphism, AJNR 1990; **11:** 415
deBarry-Borowiecki B; Kukwa A; Blanks RHI: cephalometric analysis for diagnosis and treatment of obstructive aleep apnea, (ab), Radiology 1989; **170:** 294
Debatin JF; Cohan RH; Leder RA; et al: selective use of low-osmolar contrast media, Invest Radiol 1991; **26:** 17
De Beer JDV; Thomas M; Walters J; et al: traumatic atlanto-axial subluxation, (ab), Radiology 1989; **171:** 294
de Beer R See **Segebarth CM**
de Belder MA See **Page JE**
Debieu D See **Malaise EP**
De Blasi R See **Andreula CF**
DeBlasio D; McCormick B; Straus D; et al: definitive irradiation for localized non-Hodgkin's lymphoma of breast, Int J Radiat Oncol Biol Phys 1989; **17:** 843
Deblaton M See **Bossuyt A**
Deblaton M See **Morgan GF**
DeBlois GG See **Darwin RH**
DeBlois GG See **Jensen ME**
de Boer MF See **Pop LAM**
Debongnie JC; Pauwels S; Raat A; et al: quantification of *Helicobacter pylori* infection in gastritis and ulcer disease using a simple and rapid carbon-14-urea breath test, J Nucl Med 1991; **32:** 1192
Debroucker T See **Martin N**
Debrun GM See **Jeffery PJ**
Debrun GM See **Monsein LH**
Debrun GM See **Yousem DM**
de Bruyn R See **Garber SJ**
Debruyne C See **Penninckx F**
Debruyne FMJ See **van Dijk R**
Debus F See **Eggert P**
DeBusk RF; Stenestrand U; Sheehan M; et al: training effects of long versus short bouts of exercise in healthy subjects, (ab), Radiology 1990; **177:** 892
Debussche C See **Martin N**
Debussche-Depriester C See **Pierot L**
de Campo J See **Bettenay F**
De Campo J; Fowler R: volume related configurational changes in the aetiology of pelvi-ureteric junction obstruction, Australas Radiol 1989; **33:** 60
de Campo JF See **Fredericks BJ**
de Campo JF; Phelan E: gas reduction of intussusception, Pediatr Radiol 1989; **19:** 297
de Campo M See **Fredericks BJ**
de Campo M See **Leighton DM**
de Campo M: neonatal posterior fossa haemorrhage: a difficult ultrasound diagnosis, Australas Radiol 1989; **33:** 150
De Campo MP See **Marshall JL**
DeCandido P See **Young JWR**
de Carvalho A See **Nielsen FF**
de Carvalho CRR See **Moore ADA**
de Certaines J See **Eugene M**
DeCherney A See **Confino E**
DeCherney AH See **Ascher SM**
De Cherney AH See **Taylor KJW**
De Cicco C See **Gallini C**
Deck JHN See **Chen JC**
Deck MDF: computed tomography and magnetic resonance imaging of the skull and brain, Clin Imag 1989; **13:** 95
Deck MDF; Henschke C; Lee BCP; et al: computed tomography versus magnetic resonance imaging of the brain: a collaborative interinstitutional study, Clin Imag 1989; **13:** 2
Decker M See **Nowakowski VA**
Decker M; Castro JR; Linstadt DE; et al: ciliary body melanoma treated with helium particle irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 243
Decorps M See **Bourgeois D**
Décorps M; Bourgeois D: very slow flow imaging, Magn Res Med 1991; **19:** 270
de Correia-Kamat MR See **Brink JA**
Decostre PL; Salmon Y: temporal behavior of peripheral organ distribution volume in mammillary systems. I. a new tool for in vivo tracer kinetic analysis, J Nucl Med 1990; **31:** 1702
Decostre PL; Salmon Y: temporal behavior of peripheral organ distribution volume in mammillary systems. II. application to background correction in separate glomerular filtration rate estimation in man, J Nucl Med 1990; **31:** 1710
De Courten-Myers G See **Han BK**
de Crémoux H See **Brauner MW**
de Crespigny LC See **Garland SM**
De Cristofaro MTR See **Pupi A**
De Cristofaro R; Ruggieri P; Biagini R; et al: case report 629, Skeletal Radiol 1990; **19:** 461
Decroix Y See **Ghossain MA**
Decrop E See **Marchal G**
Decrop E See **Van Hecke PE**
De Deyn PP See **Dierckx RA**
Dee PM See **Quinn SF**
Deeb GM See **Stewart RE**
Deeb ZL See **Daffner RH**
Deeb ZL See **Goldberg AL**
Deeb ZL See **Johnson JC**
Deeb ZL See **Kiproff PM**
Deeb ZL See **Rothfus WE**
Deeb ZL; Rothfus WE; Goldberg AL; et al: absent cord sign in acute spinal trauma, Clin Imag 1990; **14:** 138
Deeg KH: colour flow imaging of the great intracranial arteries in infants, Neuroradiol 1989; **31:** 40
Deeg KH; Rupprecht T: pulsed Doppler sonographic measurement of normal values for the flow velocities in the intracranial arteries of healthy newborns, Pediatr Radiol 1989; **19:** 71
Deeg KH; Rupprecht T; Zeilinger G: Dopplersonographic classification of brain edema in infants, Pediatr Radiol 1990; **20:** 509
Deeg KH; Scharf J: colour Doppler imaging of arteriovenous malformation of the vein of Galen in a newborn, Neuroradiol 1990; **32:** 60
Deeg KH; Singer H: Dopplersonographic diagnosis of subclavian steal in infants with coarctation of the aorta and interrupted aortic arch, Pediatr Radiol 1989; **19:** 163
Deeg KH; Voigt HJ; Hofbeck M; et al: prenatal ultrasound diagnosis of multiple cardiac rhabdomyomas, Pediatr Radiol 1990; **20:** 291
Deen HG See **Osborn RE**
Deeney VFX See **Schlesinger AE**
Dees J See **Van der Veen AH**
Dees SM See **Freitas JE**
Defalque D; Menu Y; Girard P-M; et al: sonographic diagnosis of cholangitis in AIDS patients, Gastrointest Radiol 1989; **14:** 143
De Faucal P; Peltier P; Planchon B; et al: evaluation of indium-111-labeled antifibrin monoclonal antibody for the diagnosis of venous thrombotic disease, J Nucl Med 1991; **32:** 785
de Fenoyl O; Capron F; Lebeau B; et al: transbronchial biopsy without fluoroscopy: a five year experience in outpatients, (ab), Radiology 1990; **176:** 295
Defer G See **Heran F**
de Feyter PJ; Serruys P; van den Brand M; et al: percutaneous transluminal angioplasty of a totally occluded venous bypass graft: a challenge that should be resisted, (ab), Radiology 1990; **174:** 901
Deffontaines C See **Remy-Jardin M**
DeFilipp GJ See **Faerber EN**
DeFilipp GJ See **Silbergleit R**
De Flaviis L See **Derchi LE**
De Flaviis L; Nessi R; Scaglione P; et al: ultrasonic diagnosis of Osgood-Schlatter and Sinding-Larsen-Johansson diseases of the knee, Skeletal Radiol 1989; **18:** 193
De Flaviis L; Scaglione P; Nessi R; et al: ultrasound in degenerative cystic meniscal disease of the knee, Skeletal Radiol 1990; **19:** 441
DeForest SE: digital imaging of the chest, Radiology 1990; **174:** 575
Defortuna SM See **Smart PE**
de Francisco P See **Rinck PA**
DeFronzo RA See **Lancaster JL**
De Gaeta L See **Rubesin SE**
Degani H See **Eldar H**
Degani H See **Ronen S**
De Geeter F: rib lesions on bone scan after thoracotomy, Clin Nucl Med 1990; **15:** 40
De Geeter F; Bossuyt A: uptake of In-111 antifibrin in crush injuries, Clin Nucl Med 1990; **14:** 695
De Geeter F; Van Maele L; Van der Veken P; et al: imaging of sinusitis in Wegener's granulomatosis, Clin Nucl Med 1989; **14:** 378
Degefu S See **Varma DGK**
De Gerone E See **Rubaltelli L**
Degnan JW See **Love MB**
de Goeij JJM See **Janssen AGM**
de Graaf AA; Bovée WMMJ: improved quantification of *in vivo* ^{1}H NMR spectra by optimization of signal acquisition and processing and by incorporation of prior knowledge into the spectral fitting, Magn Res Med 1990; **15:** 305
de Graaf AA; van Duk JE; Bovée WMMJ: QUALITY: quantification improvement by converting lineshapes to the Lorentzian type, Magn Res Med 1990; **13:** 343

DeGrado TR; Holden JE; Ng CK; et al: quantitative analysis of myocardial kinetics of 15-*p*-[iodine-125] iodophenylpentadecanoic acid, J Nucl Med 1989; **30:** 1211
DeGraff W See **Mitchell JB**
DeGraff WG See **Phillips TL**
DeGraff WG; Russo A; Gamson J; et al: evaluation of nitroimidazole hypoxic cell radiosensitizers in a human tumor cell line high in intracellular glutathione, Int J Radiat Oncol Biol Phys 1989; **16:** 1021
Degreef JM See **Remy-Jardin M**
de Gregorio Ariza MA; Aguirán ERA; Atance JLV; et al: transthoracic aspiration biopsy of pulmonary and mediastinal lesions, Eur J Radiol 1991; **12:** 98
de Groot CJ See **Westra SJ**
De Groot EH See **Kengen RAM**
de Groot R See **Ashby MA**
Degryse HR See **Arvanitis TN**
Degryse HR See **Bracke PG**
Degryse HR See **Parizel PM**
Degryse HR See **Ramon FA**
Degryse HRM See **De Schepper AMA**
Deguchi N See **Tachibana M**
Dehaene I See **Casselman JW**
Dehdashti F See **McGuire AH**
Dehdashti F; Krasnow AZ; Collier BD; et al: scintigraphic demonstration of a large communicating posterior fossa cyst, Clin Nucl Med 1989; **14:** 627
Dehdashti F; McGuire AH; Van Brocklin HF; et al: assessment of 21-[^{18}F]fluoro-16α-ethyl-19-norprogesterone as a positron-emitting radiopharmaceutical for the detection of progestin receptors in human breast carcinomas, J Nucl Med 1991; **32:** 1532
Dehmer GJ See **Popma JJ**
Dehn TCB; Nolan DJ: enteroclysis in the diagnosis of intestinal obstruction in the early postoperative period, Gastrointest Radiol 1989; **14:** 15
Dehner LP See **Day DL**
Dehner LP See **McAlister WH**
Dehner LP See **Repa I**
Dehner LP; Mills A; Talerman A; et al: germ cell neoplasms of head and neck soft tissues: a pathologic spectrum of teratomatous and endodermal sinus tumors, (ab), Radiology 1990; **177:** 295
Dehrer-Wendt LA; Alford BA: pediatric imaging for the technologist, Radiology 1989; **170:** 478
Dei-Anang K See **Müller-Forell W**
Deibel FC See **Gerbi BJ**
Deichert U See **Schlief R**
Deimling Av See **Wichmann W**
Deimling M See **Semelka RC**
de Jong PE See **Hovinga TKK**
De Jong SC See **Gleason T**
De Jong SC See **Nakagawa N**
De Jong SC See **Thompson BH**
de Jong TPVM See **Stoutenbeek P**
de Jongh HR See **Gubler FM**
De Juan M See **Ruscalleda J**
De Kaski MC; Keane PF; Stuttle AWJ; et al: anti-platelet monoclonal antibody P256 in the diagnosis of renal transplant rejection, Clin Nucl Med 1991; **16:** 583
de Kerviler E; Leroy-Willig A; Jehenson P; Duboc D; Eymard B; Syrota A: exercise-induced muscle modifications: study of healthy subjects and patients with metabolic myopathies with MR imaging and P-31 spectroscopy, Radiology 1991; **181:** 259
de Koning WB See **Pijlman BM**
Dekosky ST See **Shih W-J**
de Kroon MGM; van der Wal LF; Gussenhoven WJ; et al: angle-dependent backscatter from the arterial wall, Ultrasound Med Biol 1991; **17:** 121
de Lacey G See **Levi S**
de Lacey G; McCabe M; Constant O; et al: testing a policy for skull radiography (and admission) following mild head injury, Br J Radiol 1990; **63:** 14
Delacroix S; Rymel J; Smith PJ; et al: effects of steel and titanium mandibular reconstruction plates on photon and electron beams, Br J Radiol 1990; **63:** 642
Delaloye B See **Bischof-Delaloye A**
Delaloye B See **Buchegger F**
Delamarre J; Capron J-P; Dupas J-L; et al: spontaneous portal venous gas in a patient with Crohn's ileocolitis, Gastrointest Radiol 1991; **16:** 38
Delamarre J; Capron J-P; Sevestre H; et al: "porcelain liver" appearance due to Glisson's capsule phleboliths, Gastrointest Radiol 1989; **14:** 339
Delamarre J; Modaine P; Sevestre H; et al: hepatic oil embolism following lymphography: CT diagnosis, JCAT 1991; **15:** 317
Delamarter R See **Ross JS**
DeLand FH: perspective of monoclonal antibodies: past, present, and future, Semin Nucl Med 1989; **19:** 158
DeLaney AR; Raviola CA; Weber PN; et al: improving diagnosis of appendicitis: early autologous leukocyte scanning, (ab), Radiology 1990; **175:** 289
Delaney T See **Pass HI**
DeLaney TF See **Sperduto PW**
Delaney VB See **Taylor A Jr**
de Lange EE See **Frei S**
de Lange EE See **Howell EJ**
de Lange EE; Fechner RE; Edge SB; Spaulding CA: preoperative staging of rectal carcinoma with MR imaging: surgical and histopathologic correlation, Radiology 1990; **176:** 623
de Lange EE; Fechner RE; Wanebo HJ: suspected recurrent rectosigmoid carcinoma after abdominoperineal resection: MR imaging and histopathologic findings, Radiology 1989; **170:** 323
de Lange EE; Shaffer HA Jr: rectal strictures: treatment with fluoroscopically guided balloon dilation, Radiology 1991; **178:** 475
DeLange M; Rouse GA: prenatal diagnosis of hypophosphatasia, J Ultrasound Med 1990; **9:** 115
de Lange MJ; Piers DA; Kosterink JGW; et al: renal handling of technetium-99m DMSA: evidence for glomerular filtration and peritubular uptake, J Nucl Med 1989; **30:** 1219
Delangre T See **Thiebot J**
Delanian S See **Bataini JP**
Delanian S See **Housset M**
Delannes M; Daly NJ; Bonnet J; et al: fractionated radiotherapy of small inoperable lesions of the brain using a non-invasive stereotactic frame, Int J Radiat Oncol Biol Phys 1991; **21:** 749
Delannoy J See **Le Bihan D**
Delannoy J; Chen C-N; Turner R; et al: noninvasive temperature imaging using diffusion MRI, Magn Res Med 1991; **19:** 333
Delany DJ See **Parker LA Jr**
Delany HM See **Cho KC**
Delany HM See **Rivers SP**
DeLaPaz RL See **Lo EH**
DeLaPaz RL; Shibata D; Steinberg GK; et al: acute cerebral ischemia in rabbits: correlation between MR and histopathology, AJNR 1991; **12:** 89
Delaplain CB See **Gore RL**
DeLaria GA; Hunter JA: deep venous thrombosis: implications after open heart surgery, (ab), JVIR 1991; **2:** 412
de la Rosette JJMCH See **Hendrikx AJM**
de la Sayette V; Rivaton F; Chapon F; et al: meningioma of the third ventricle: computed tomography and magnetic resonance imaging, Neuroradiol 1991; **33:** 354
Delattre JY; Krol G; Thaler HT; et al: distribution of brain metastases, (ab), Radiology 1989; **171:** 294
Delbeke D See **Garty I**
Delbeke D; Powers TA; Sandler MP: correlative radionuclide and magnetic resonance imaging in evaluation of the spine, Clin Nucl Med 1990; **14:** 742
Delbeke D; Sacks GA; Sandler MP: diagnosis of allograft renal vein thrombosis, Clin Nucl Med 1989; **14:** 415
Delbridge L See **Vinik AI**
Del Brutto OH See **Salgado P**
Del Brutto OH See **Talamás O**
Del Brutto OH; Zenteno MA; Salgado P; et al: MR imaging in cysticercotic encephalitis, AJNR 1989; **10:** S18
Del Buono EA See **Nazarian GK**
Del Buono EA See **Quint LE**
Delcambre B; Flipo RM; Leroux JL; et al: osteomesopyknosis: report of two new cases, Skeletal Radiol 1989; **18:** 21
Del Campo L See **Caballero P**
del Carpio-O'Donovan R See **Weill A**
del Carpio-O'Donovan R; Cardinal E: agenesis of the corpus callosum and colloid cyst of the third ventricle: magnetic resonance imaging of an unusual association, J Canad Assoc Radiol 1990; **41:** 375
Delchambre FE See **Trigaux J-PP**
Delclos L See **Hughes LL**
Delclos L See **Wendt CD**
Delcore R Jr; Hermreck AS; Friesen SR: selective surgical management of correctable hypergastrinemia, (ab), Radiology 1990; **175:** 882
Delcour C; Gusella P; Richoz B; et al: embolization hazard of laser hot-tip catheters and coated guidewires, Br J Radiol 1990; **63:** 76
Delechenault P See **Puy-Montbrun T**
Delemarre B See **van Dam I**
Delemarre JBVM See **Kruyt RH**
Delemazure O See **L'Herminé C**
de Leon MJ See **George AE**
de Leon MJ See **Rusinek H**
de Leon MJ; George AE; Reisberg B; et al: Alzheimer's disease: longitudinal CT studies of ventricular change, AJNR 1989; **10:** 371
Delforge J; Syrota A; Lançon J-P; et al: cardiac beta-adrenergic receptor density measured in vivo using PET, CGP 12177, and a new graphical method, J Nucl Med 1991; **32:** 739
Delgado J See **Prieto ML**
DelGuercio LRM See **Berman HL**
Deliac P See **Floras P**
Deligiorgi E See **Papavasiliou C**
Deligonul U; Vandormael MG; Younis LT; et al: prognostic significance of silent myocardial ischemia detected by early treadmill exercise after coronary angioplasty, (ab), Radiology 1990; **174:** 901
Delikatny EJ See **Mountford CE**
Delius M See **Brink JA**
Delius M See **Gambihler S**
Delius M See **Weiss N**
Delius M See **Williams AR**
Delius M; Denk R; Berding C; et al: biological effects of shock waves: cavitation by shock waves in piglet liver, Ultrasound Med Biol 1990; **16:** 467
Delius M; Jordan M; Liebich H-G; et al: biological effects of shock waves: effect of shock waves on the liver and gallbladder wall of dogs—administration rate dependence, Ultrasound Med Biol 1990; **16:** 459
Delius RE; Frankel W; Coran AG: comparison between operative and nonoperative management of blunt injuries to the liver and spleen in adult and pediatric patients, (ab), Radiology 1990; **175:** 289
Dell'Acqua A See **Tomà P**
Delling G See **Knop J**
Dellinger J: manufacturer's viewpoint, Ultrasound Med Biol 1989; **15:** S71
Dell'Italia LJ; Carter B; Millar H; et al: development of a micromanometer-tip catheter to record high-fidelity pressures during cine-gated NMR without significant image distortion, Magn Res Med 1991; **17:** 119
DelMaschio A See **Sironi S**
DelMaschio A; Vanzulli A; Sironi S; Castrucci M; Mellone R; Staudacher C; Carlucci M; Zerbi A; Parolini D; Faravelli A; Cantaboni A; Garancini P; Di Carlo V: pancreatic cancer versus chronic pancreatitis: diagnosis with CA 19-9 assessment, US, CT, and CT-guided fine-needle biopsy, Radiology 1991; **178:** 95
Delmon L See **Piwnica-Worms D**
Deloffre D See **Alexiou J**
DeLong SR See **Budde RB Jr**
DeLong SR See **Norbash AM**
Delorme N See **Lesur O**
de los Santos ET; Keyhani-Rofagha S; Cunningham JJ; et al: cystic thyroid nodules: the dilemma of malignant lesions, (ab), Radiology 1991; **178:** 295
Delpassand ES; Barron BJ; Gundzik JM: bone scintigraphy in calcific discitis of childhood, J Nucl Med 1990; **31:** 234
Delpassand ES; Dhekne RD; Barron BJ; et al: evaluation of soft tissue injury by Tc-99m bone agent scintigraphy, Clin Nucl Med 1991; **16:** 309
Del Pizzo W See **Fischer SP**
Delplace O See **Toppet V**
Delprat CC See **Olmos RAV**
Delree M See **Jacobs A**
Delree M See **Verboven M**
del Regato JA: Arthur Purdy Stout, Int J Radiat Oncol Biol Phys 1989; **16:** 799
del Regato JA: Gioacchino Failla, Int J Radiat Oncol Biol Phys 1990; **19:** 1609
del Regato JA: Magnus Strandqvist, Int J Radiat Oncol Biol Phys 1989; **17:** 631
del Rosario R See **Wahl RL**
Del Turco MR See **Ciatto S**
DeLuca A See **Barnes M**
DeLuca AM See **Kinsella TJ**
De Luca F See **Macrì MA**
Deluga KS See **Aschner JL**
Delvalle A See **Caillet H**
Demachi H; Matsui O; Takashima T: scanning electron microscopy of intrahepatic microvasculature casts following experimental hepatic artery embolization, Cardiovasc Intervent Radiol 1991; **14:** 158
Demachi H; Takashima T; Kadoya M; et al: MR imaging of spinal neurinomas with pathological correlation, JCAT 1990; **14:** 250
Demaerel P See **Marchal G**
Demaerel P See **Verschakelen JA**
Demaerel P See **Wilms G**
Demaerel P; Faubert C; Wilms G; et al: MR findings in leukodystrophy, Neuroradiol 1991; **33:** 368
Demaerel P; Johannik K; Van Hecke P; et al: localized ^{1}H NMR spectroscopy in fifty cases of newly diagnosed intracranial tumors, JCAT 1991; **15:** 67
Demaerel P; Marchal G; Casteels I; et al: intracavernous aneurysm: superior demonstration by magnetic resonance angiography, Neuroradiol 1990; **32:** 322
Demaerel P; Marchal G; Van Steenbergen W; et al: CT demonstration of right hepatic lobe atrophy, JCAT 1989; **13:** 351

Demaerel P; Wilms G; Lammens M; et al: extradural epidermoid tumor of the frontal bone, Neuroradiol 1991; 33: 349
Demaerel P; Wilms G; Lammens M; et al: intracranial meningiomas: correlation between MR imaging and histology in fifty patients, JCAT 1991; 15: 45
Demaerel P; Wilms G; Verdru P; et al: MR findings in globoid cell leucodystrophy, Neuroradiol 1990; 32: 520
Demaerel P; Wilms G; Verdru P; et al: MRI in the diagnosis of Cockayne's syndrome: one case, J Neuroradiol 1990; 17: 157
DeMaio SJ Jr; Kinsella SH; Silverman ME: clinical course and long-term prognosis of spontaneous coronary artery dissection, (ab), Radiology 1990; 175: 292
Demange P; Gia HP; Kalifa G; et al: MR of Kearns-Sayre syndrome, AJNR 1989; 10: S91
De Marco JK; Dillon WP; Halbach VV; Tsuruda JS: dural arteriovenous fistulas: evaluation with MR imaging, Radiology 1990; 175: 193
De Marco JK; McDermott MW; Dillon WP; et al: MR appearance of postoperative foreign body granuloma: case report with pathologic confirmation, AJNR 1991; 12: 190
DeMarco R See Seelos KC
Demarest GB See King JN
Demarie D See Presbitero P
DeMarino GB See Good BC
DeMarino GB See Koslow SA
DeMarino GB See Marder DM
Demas B See Smith J
Demas BE See Heelan RT
Demas BE See Tavares NJ
Demas BE; Hricak H; McClure RD: varicoceles: radiologic diagnosis and treatment, Radiol Clin North Am 1991; 29: 619
Dembner A See Kalisher L
Demer LL; Gould KL; Goldstein RA; et al: noninvasive assessment of coronary collaterals in man by PET perfusion imaging, J Nucl Med 1990; 31: 259
Demers CM See Ginsberg JS
Demetris AJ See Bauman J
Demeure R See Van Beers BE
DeMichele D See De Souza B
Demidecki AJ See Wong JYC
Demir K; Karsli AF; Kaya T; et al: cerebral hydatid cysts: CT findings, Neuroradiol 1991; 33: 22
Demirci A See Sener RN
Demirci A; Cengiz K; Baris S; et al: CT and ultrasound of abdominal hemorrhage in Henoch-Schönlein purpura, JCAT 1991; 15: 143
Demirci A; Diren HB; Selcuk MB: computed tomography in agenesis of the right lobe of the liver, Acta Radiol 1990; 31: 105
Demirci A; Selcuk MB; Yazicioglu I: bilateral adrenal hemorrhage associated with bilateral renal vein and vena cava thrombosis, Pediatr Radiol 1991; 21: 130
Demirci A; Sze G: cranial osteopetrosis: MR findings, AJNR 1991; 12: 781
Demirci M; Tan E; Durguner M; et al: spinal brucellosis: a case with "cauliflower" appearance on CT, Neuroradiol 1989; 31: 282
Demirel D See Aktolun C
Demirkazik A See Akhan O
Demirkazik FB See Akhan O
de Moerloose P See Bernard C
Demonceau G See Léveillé J
Demos TC See Gotta C
Demos TC See Posniak HV
Demos TC See Predey TA
Demos TC; Budorick NE; Posniak HV: benign mediastinal cysts: pointed appearance on CT, JCAT 1989; 13: 132
Demos TC; Posniak HV; Marsan RE: CT of aortic dissection, Semin Roentgenol 1989; 24: 22
Demos TC; Solomon C; Posniak HV; et al: computed tomography in traumatic defects of the diaphragm, Clin Imag 1989; 13: 62
Demou LI See Gossios KJ
Dempsey JE See Gordon I
Dempsey PJ See Schlitt M
DeMuth P See Rofstad EK
DeNardi F; Burns K; Peterson RA; et al: Crohn's disease angiographically mimicking vascular malformation or neoplasms, J Canad Assoc Radiol 1989; 40: 279
DeNardo GL See Koblik PD
DeNardo GL; Macey DJ; DeNardo SJ; et al: quantitative SPECT of uptake of monoclonal antibodies, Semin Nucl Med 1989; 19: 22
DeNardo SJ See DeNardo GL
DeNardo SJ See Deshpande SV
DeNardo SJ See Meyers FJ
Denaro CP See Truwit CL
Denath FM: abdominal tuberculosis in children: CT findings, Gastrointest Radiol 1990; 15: 303
Denath FM: traumatic aorto-caval fistula: ultrasound diagnosis, JCU 1991; 19: 370
Denath FM; Kweka EL: retrograde intussusception of the bypassed duodenojejunal segment after Roux-en-Y gastrectomy: computed tomography findings, J Canad Assoc Radiol 1991; 42: 135
Denays R See Rubinstein M
Denays R; Tondeur M; Foulon M; et al: regional brain blood flow in congenital dysphasia: studies with technetium-99m HM-PAO SPECT, J Nucl Med 1989; 30: 1825
Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P: cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Radiology 1990; 175: 111
Denays R; Van Pachterbeke T; Tondeur M; et al: brain single photon emission computed tomography in neonates, J Nucl Med 1989; 30: 1337
den Boef JH See van Vaals JJ
Dence CS See Shelton ME
Denck H See Karrer K
De Nef JJEM; Van der Vis-Melsen M: bone scan abnormalities in a child with Lyme disease, Clin Nucl Med 1990; 15: 727
Deneffe G; Lacquet LM; Verbeken E; et al: surgical treatment of bronchogenic carcinoma: a retrospective study of 720 thoracotomies, (ab), Radiology 1989; 170: 582
Denekamp J See Stevens GN
De Neve W; Evelhoch J; Everett C; et al: interaction between flavone acetic acid (LM-975, NSC 349512) and radiation in Glasgow's osteogenic sarcoma *in vivo*, Int J Radiat Oncol Biol Phys 1990; 18: 1359
Denham JW See Cooper SG
Denham JW See Hamilton CS
den Hartog Jager FCA See Taal BG
den Hartog Jager FCA; Cohen P; van Haastert M: late radiation injury of the rectum and sigmoid colon: barium enema findings in 92 patients, Br J Radiol 1989; 62: 807
den Hollander JA See Luyten PR
den Hollander JC See Schipper J
Denier JE See Kelly JK
Denis L; Mahler C: prostatic cancer: an overview, Acta Oncol 1990; 29: 665
Denison DM See Millar AB
Denk R See Delius M
Denman DL See Sundararaman S
Denman DL; Legorreta RA; Kier AB; et al: therapeutic responses of spontaneous canine malignancies to combinations of radiotherapy and hyperthermia, Int J Radiat Oncol Biol Phys 1991; 21: 415
Dennett JC See Weeks KJ
Denney RK See Brown PH
Denning DW; Stevens DA: antifungal and surgical treatment of invasive aspergillosis: review of 2,121 published cases, (ab), Radiology 1991; 180: 888
Dennis C See Picard MH
Dennis JW See Frykberg ER
Dennis LN; Rogers LF: superior mediastinal widening from spine fractures mimicking aortic rupture on chest radiographs, AJR 1989; 152: 27
Dennis MA See Drose JA
Dennis MF See Stratford MRL
Dennis MF See Wardman P
Dennison KG; Khoury D; Heironimus JD: gallbladder perforation during liver biopsy diagnosed using hepatobiliary scintigraphy: a case report, Clin Nucl Med 1990; 15: 95
Denny DF Jr See Markowitz DM
Denny DF Jr See Pollak JS
Denny DF Jr See White RI Jr
Denny DF Jr; Greenwood LH; Morse SS; Lee GK; Baquero J: inferior vena cava: translumbar catheterization for central venous access, Radiology 1989; 172: 1013
DeNobile JW See Valentine RJ
den Ouden L See Guit GL
Den Ouden LL See Van Bel F
Dent DM; Kirkpatrick AE; McGoogan E; et al: stereotaxic localisation and aspiration cytology of impalpable breast lesions, Clin Radiol 1989; 40: 380
Dent J See Anvari M
Dent J; Holloway RH; Toouli J; et al: mechanisms of lower oesophageal sphincter incompetence in patients with symptomatic gastrooesophageal reflux, (ab), Radiology 1989; 171: 290
Dent PB See Torbiak RP
Denton K See Spencer J
Denyer ME See Hall RI
Denys A See Sigal R
Deo Y See Bogard WC Jr
Deo-Narine V See Weingarten K
De Palo G: staging and treatment of ovarian carcinoma, Acta Oncol 1989; 28: 163
de Paulis T See Kessler RM
De Pena CA; Lee Y-Y; Van Tassel P: lymphomatous involvement of the trigeminal nerve and Meckel cave: CT and MR appearance, AJNR 1989; 10: S15
De Pena CA; Lee Y-Y; Van Tassel P; et al: MR appearance of acquired spinal epidermoid tumors, AJNR 1989; 10: S97
De Peña CA; Van Tassel P; Lee Y-Y: lymphoma of the head and neck, Radiol Clin North Am 1990; 28: 723
De Potter CR See Makar AP
Deppe G See Ahmad K
De Prost Y See Dubois JM
DePuey EG See Garcia EV
DePuey EG See Klein JL
DePuey EG: radionuclide methods to evaluate percutaneous transluminal coronary angioplasty, Semin Nucl Med 1991; 21: 102
DePuey EG; Garcia EV: optimal specificity of thallium-201 SPECT through recognition of imaging artifacts, J Nucl Med 1989; 30: 441
DePuey EG; Garcia EV; Exquerra NF: three-dimensional techniques and artificial intelligence in thallium-201 cardiac imaging, AJR 1989; 152: 1161
DePuey EG; Jones ME; Garcia EV: evaluation of right ventricular regional perfusion with technetium-99m-sestamibi SPECT, J Nucl Med 1991; 32: 1199
DePuey EG; Rozanski A: pharmacological and other nonexercise alternatives to exercise testing to evaluate myocardial perfusion and left ventricular function with radionuclides, Semin Nucl Med 1991; 21: 92
Dequeker J See van Holsbeeck M
Dequeker J See Verlooy H
Derauf BJ See Coleman CC
Derauf BJ See Epstein DH
Deray G; Cacoub P; Jacquiaud C; Drobinski M; Brillet G; Bunker D; Jaudon M-C; Jacobs C: renal tolerance for ioxaglate in patients with chronic renal failure, Radiology 1991; 179: 395
Derbekyan V See Lisbona R
Derby K; Hawryszko C; Tropp J: baseline deconvolution, phase correction, and signal quantification in Fourier localized spectroscopic imaging, Magn Res Med 1989; 12: 235
Derby KA See Ross BD
Derchi LE See Musante F
Derchi LE; Balconi G; De Flaviis L; et al: sonographic appearances of hemangiomas of skeletal muscle, J Ultrasound Med 1989; 8: 263
Derchi LE; Rapaccini GL; Banderali A; et al: ultrasound and CT findings in two cases of hemangioma of the adrenal gland, JCAT 1989; 13: 659
Derchi LE; Rizzatto G; Banderali A; et al: sonographic appearance of primary retroperitoneal cysts, J Ultrasound Med 1989; 8: 381
Derde MP See De Schepper J
de Regt RH See Stiller RJ
DeRemee RA See Pisani RJ
De-Ren S: ten-year follow-up of esophageal cancer treated by radical radiation therapy: analysis of 869 patients, Int J Radiat Oncol Biol Phys 1989; 16: 329
Derenzo SE See Valk PE
Deresinski SC See Kemper CA
Derfler K See Mostbeck GH
Derhy S See Dao TH
DeRidder P See Fink-Bennett D
de Rijk-van Andel JF; van der Knaap MS; Arts WFM: neuroimaging in lissencephaly type I, Neuroradiol 1991; 33: 230
Derman DP; Browde S; Kessel IL; et al: adjuvant chemotherapy (CMF) for stage III breast cancer: a randomized trial, Int J Radiat Oncol Biol Phys 1989; 17: 257
DeRogatis AJ See Memel DS
Derogatis LR See Zinreich ES
De Ronde T See Van Beers BE
De Roo M See Hashimoto Y
De Roo M See Léveillé J
De Roo M See Vanhecke W
De Roo M See Verlooy H
de Rooij FWM See van Tilburg AJP
de Roos A See Matheijssen NAA
de Roos A See van Dijkman PRM
De Roos A; Kundel HL; Joseph PM; et al: variability of myocardial signal on magnetic resonance images, Invest Radiol 1990; 25: 1024
de Roos A; Matheijssen NAA; Doornbos J; van Dijkman PRM; van Voorthuisen AE; van der Wall EE: myocardial infarct size after reperfusion therapy: assessment with Gd-DTPA–enhanced MR imaging, Radiology 1990; 176: 517
de Roos A; Reichek N; Axel L; et al: cine MR imaging in aortic stenosis, JCAT 1989; 13: 421
de Roos A; van Rossum AC; van der Wall EE; Postema S; Doornbos J; Matheijssen NAA; van Dijkman PRM; Visser FC; van Voorthuisen AE: reperfused and nonreperfused myocardial infarction: diagnostic potential of Gd-DTPA–enhanced MR imaging, Radiology 1989; 172: 717
DeRosa GP See Glynn TP Jr
DeRosa RT See Persutte WH
Dershaw DD; Abramson A; Kinne DW: ductal carcinoma in situ: mammographic findings and clinical implications, Radiology 1989; 170: 411

Dershaw DD; Chaglassian TA: mammography after prosthesis placement for augmentation or reconstructive mammoplasty, Radiology 1989; **170:** 69
Dershaw DD; McCormick B; Cox L; et al: differentiation of benign and malignant local tumor recurrence after lumpectomy, AJR 1990; **155:** 35
Dershaw DD; Scher HI; Smart T: transrectal sonography for serial evaluation of prostatic malignancy, (ab), Radiology 1991; **178:** 589
Derugin N See **Holt WW**
Derugin N See **Kucharczyk J**
Derugin N See **Saeed M**
de Ruysscher D; Waer M; Vandeputte M; et al: immunologic changes after loco-regional radiotherapy and fractionated total body irradiation (TBI) in mice, Int J Radiat Oncol Biol Phys 1989; **17:** 1237
de Ruyter AE See **Oosterhof GON**
Dervan PA See **Redmond OM**
Dervan PA See **Stack JP**
Dervin J; Kendall BE: ectasia of arteries beyond the circle of Willis, Neuroradiol 1990; **31:** 483
Dervin JE; Beaconsfield M; Wright JE; et al: CT findings in orbital tumours of nerve sheath origin, Clin Radiol 1989; **40:** 475
Dery R See **Diethelm L**
Déry R See **Lafortune M**
Desaga JF: visualization of the mucosal villi on double-contrast barium studies of the small intestine by using a high molecular fraction of guaran, Gastrointest Radiol 1989; **14:** 25
Desai AG See **Intenzo CM**
Desai AG See **Kim SM**
Desai BB See **Sosolik RC**
Desai BB; Sosolik RC; Ciaravino V; et al: effect of fetal exposure to ultrasound on B cell development in BALB/c mice, Ultrasound Med Biol 1989; **15:** 567
Desai BB; Sosolik RC; Ciaravino V; et al: effect of fetal exposure to ultrasound on the development of functional, antigen-specific B lymphocytes in fetal and neonatal BALB/c mice, Ultrasound Med Biol 1989; **15:** 575
Desai HJ See **Gross GW**
Desai HJ See **Mitchell DG**
Desai MB; Chess Q; Naidich JB; et al: primary renal angiosarcoma mimicking a renal cell carcinoma, Urol Radiol 1989; **11:** 30
Desai MB; Kroop S; Sullivan J; et al: focal nodular hyperplasia of the liver: correlation of Tc-99m DISIDA "hot spot" appearance with histopathologic findings, Clin Nucl Med 1989; **14:** 814
Desai MB; Margouleff D; Kroop S; et al: uptake of Tc-99m MDP by adrenal metastases from undifferentiated large-cell carcinoma of the lung, Clin Nucl Med 1990; **14:** 704
Desai P See **Klein MH**
Desai P See **Larsson E-M**
Desai RK See **Einstein DM**
Desai RK; Paushter DM; Armistead J: intrahepatic arterial calcification mimicking pneumobilia: a potential pitfall in the ultrasound evaluation of biliary tract disease, J Ultrasound Med 1989; **8:** 333
Desai RK; Tagliabue JR; Wegryn SA; Einstein DM: CT evaluation of wall thickening in the alimentary tract, Radiographics 1991; **11:** 771
Desai S See **Chippindale AJ**
Desai SA See **Mitchell DG**
Desai SP; Bazan C III; Hummell W; et al: disseminated CNS histoplasmosis, AJNR 1991; **12:** 290
Desai SP; Carter J; Jinkins JR: contrast-enhanced MR imaging of Tolosa-Hunt syndrome: a case report, AJNR 1991; **12:** 182
Desai SP; Rees C; Jinkins JR: paradoxical cerebral emboli associated with pulmonary arteriovenous shunts: report of three cases, AJNR 1991; **12:** 355
Desalles AAF See **Dresel SHJ**
DeSantis G See **Cerofolini E**
de Santis M See **Cellini N**
Desautels JEL: malignant myoepithelioma of the breast: a case report, J Canad Assoc Radiol 1990; **41:** 387
Desberg AL; Paushter DM; Lammert GK; Hale JC; Troy RB; Novick AC; Nally JV Jr; Weltevreden AM: renal artery stenosis: evaluation with color Doppler flow imaging, Radiology 1990; **177:** 749
Descamps P See **Calais G**
De Schepper AM See **Ramon FA**
De Schepper AMA; Degryse HRM: imaging findings in a patient with pentazocine-induced myopathy, AJR 1990; **154:** 343
De Schepper J; Derde MP; Van den Broeck M; et al: normative data for lumbar spine bone mineral content in children: influence of age, height, weight, and pubertal stage, J Nucl Med 1991; **32:** 216
Deshpande SV; DeNardo SJ; Kukis DL; et al: yttrium-90-labeled monoclonal antibody for therapy: labeling by a new macrocyclic bifunctional chelating agent, J Nucl Med 1990; **31:** 473
Deshpande SV; Subramanian R; McCall MJ; et al: metabolism of indium chelates attached to monoclonal antibody: minimal transchelation of indium from benzyl-EDTA chelate in vivo, J Nucl Med 1990; **31:** 218
de Silva R; Stoopack PM; Raufman J-P: esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, Radiology 1990; **175:** 449
DeSimone DN See **Runge VM**
Desjardins JG See **Bass J**
Deslauriers R See **Hoult DI**
Deslauriers R See **Rydzy M**
de Slegte RGM See **Hunink MGM**
de Slegte RGM See **van Heuzen EP**
Desmarais R See **Don C**
Desmedt EJ See **Makar AP**
De Smet AA See **Burnstein MI**
De Smet AA See **Murphy WA Jr**
De Smet AA; Fisher DR; Burnstein MI; et al: value of MR imaging in staging osteochondral lesions of the talus (osteochondritis dissecans): results in 14 patients, AJR 1990; **154:** 555
De Smet AA; Fisher DR; Graf BK; et al: osteochondritis dissecans of the knee: value of MR imaging in determining lesion stability and the presence of articular cartilage defects, AJR 1990; **155:** 549
De Smet AA; Fisher DR; Heiner JP; et al: magnetic resonance imaging of muscle tears, Skeletal Radiol 1990; **19:** 283
De Smet AA; Inscore D; Neff JR: case report 521, Skeletal Radiol 1989; **18:** 60
Desmond JM; Evans SE; Couch A; et al: pyeloduodenal fistulae. a report of two cases and review of the literature, Clin Radiol 1989; **40:** 267
Desmoulin F; Confort-Gouny S; Masson S; et al: application of reverse-DEPT polarization transfer pulse sequence to study the metabolism of carbon-13-labeled substrates in perfused organs by ^{1}H NMR spectroscopy, Magn Res Med 1990; **15:** 456
Desmoulin F; Seelig J: homonuclear shift co- related and spatially localized spectroscopy using stimulated echoes, Magn Res Med 1990; **14:** 160
DeSombre ER; Hughes A; Mease RC; et al: comparison of the distribution of bromine-77-bromovinyl steroidal and triphenylethylene estrogens in the immature rat, J Nucl Med 1990; **31:** 1534
de Souza A See **Helmcke F**
De Souza B; Brunetti A; Fulham MJ; Brooks RA; DeMichele D; Cook P; Nieman L; Doppman JL; Oldfield EH; Di Chiro G: pituitary microadenomas: a PET study, Radiology 1990; **177:** 39
DeSouza BX See **Alger JR**
DeSouza M See **Ash J**
deSouza NM; King DH; Pilgrim P; et al: quickscan: Doppler ultrasound emulation of angiography—its value prior to arteriography in peripheral vascular disease, Br J Radiol 1991; **64:** 479
deSouza NM; Reidy JF; Koffman CG: arteriovenous fistulas complicating biopsy of renal allografts: treatment of bleeding with superselective embolization, AJR 1991; **156:** 507
Desprechins B See **Jacobs A**
Desrentes M: wizardry and radiography: a clinical case, Radiology 1990; **177:** 115
Dessard-Diana B See **Baillet F**
Dessarts I See **Arrivé L**
Dessner D See **Sundaram M**
de Stefano G See **Giorgio A**
de Stempel J See **Atri M**
Destian S; Heier LA; Zimmerman RD; et al: differentiation between meningeal fibrosis and chronic subdural hematoma after ventricular shunting: value of enhanced CT and MR scans, AJNR 1989; **10:** 1021
Destouet JM See **Baker KS**
Destouet JM See **Gilula LA**
Destouet JM See **Monsees B**
Destouet JM See **Murphy WA Jr**
Destouet JM See **Wilson AJ**
De Sy W See **Verbaeys A**
Deter RL See **Dodson MG**
Deter RL See **Mari G**
Deter RL See **Simon NV**
Deter RL See **Stefos T**
Deter RL; Hill RM; Tennyson LM: predicting the birth characteristics of normal fetuses 14 weeks before delivery, JCU 1989; **17:** 89
Deter RL; Rossavik IK; Carpenter RJ: development of individual growth standards for estimated fetal weight: II. weight prediction during the third trimester and at birth, JCU 1989; **17:** 83
de Toffol B; Cotty P; Calais G; et al: chronic cervical radiation myelopathy diagnosed by MRI, J Neuroradiol 1989; **16:** 251
Detoni XA See **Rodacki MA**
Detre JA; Eskey CJ; Koretsky AP: measurement of cerebral blood flow in rat brain by ^{19}F-NMR detection of trifluoromethane washout, Magn Res Med 1990; **15:** 45
Detre JA; Subramanian VH; Mitchell MD; et al: measurement of regional cerebral blood flow in cat brain using intracarotid ^2H_2O and ^{2}H NMR imaging, Magn Res Med 1990; **14:** 389
Dettmers C See **Brassel F**
Deutinger J See **Koelbl H**
Deutsch AL See **Mink JH**
Deutsch AL See **Shellock FG**
Deutsch AL See **Silverman JM**
Deutsch AL; Mink JH: magnetic resonance imaging of musculoskeletal injuries, Radiol Clin North Am 1989; **27:** 983
Deutsch AL; Mink JH; Fox JM; Arnoczky SP; Rothman BJ; Stoller DW; Cannon WD Jr: peripheral meniscal tears: MR findings after conservative treatment or arthroscopic repair, Radiology 1990; **176:** 485
Deutsch AL; Mink JH; Rosenfelt FP; et al: incidental detection of hematopoietic hyperplasia on routine knee MR imaging, AJR 1989; **152:** 333
Deutsch AL; Mink JH; Waxman AD: occult fractures of the proximal femur: MR imaging, Radiology 1989; **170:** 113
Deutsch EA See **Maxon HR III**
Deutsch HL; Millard DR Jr: new cocaine abuse complex: involvement of nose, septum, palate, and pharynx, (ab), Radiology 1990; **174:** 591
Deutsch JH See **Kuhlman JE**
Deutsch L See **Tobis JM**
Deutsch L-S; Dang H; Brandon JC; et al: percutaneous removal of transvenous pacing lead perforating the heart, pericardium, and pleura, AJR 1991; **156:** 471
Deutsch M See **Flickinger JC**
Deutsch M See **Gur D**
Deutsch M See **Weiser JC**
Deutsch M; Green SB; Strike TA; et al: results of a randomized trial comparing BCNU plus radiotherapy, streptozotocin plus radiotherapy, BCNU plus hyperfractionated radiotherapy, and BCNU following misonidazole plus radiotherapy in the postoperative treatment of malignant glioma, Int J Radiat Oncol Biol Phys 1989; **16:** 1389
Deutsch M; Rewers AB; Redgate ES; et al: intra-cerebral ventricular infusion of 5-iodo-2-deoxyuridine (IUDR) as a radiosensitizer in the treatment of a rat glioma, Int J Radiat Oncol Biol Phys 1990; **19:** 85
de Valois HC See **Odink HF**
de Vathaire F See **Taghian A**
Deveikis JP See **Schellinger D**
Deveney CW; Lurie K; Deveney KE: improved treatment of intra-abdominal abscess: a result of improved localization, drainage, and patient care, not technique, (ab), Radiology 1989; **171:** 585
Deveney KE See **Deveney CW**
de Verbizier G; Sperber M; Laurent F; et al: bronchial carcinoma following pulmonary and thoracic wall actinomycosis: report on one case with emphasis on CT findings, Comput Med Imag Graph 1990; **14:** 277
Devereux RB See **Roman MJ**
Devergie A See **Socie G**
Devesa SS See **Blot WJ**
Devier J See **Cremer M**
Devière J; Cremer M: endoscopic approach to malignant biliary obstruction, Cardiovasc Intervent Radiol 1990; **13:** 223
de Ville de Goyet J See **Zajko AB**
Devine PJ See **Kessler HB**
Devineni VR See **Fields JN**
de Virgilio C See **Baumgartner F**
Deviri E See **Nili M**
DeVito RP; Hamill JJ: determination of weighting functions for energy-weighted acquisition, J Nucl Med 1991; **32:** 343
DeVito RP; Hamill JJ; Treffert JD; et al: energy-weighted acquisition of scintigraphic images using finite spatial filters, J Nucl Med 1989; **30:** 2029
DeVivo DC See **Medina L**
DeVivo MJ; Kartus PL; Stover SL; et al: cause of death for patients with spinal cord injuries, (ab), Radiology 1990; **175:** 295
de Vleeschouwer MHM See **Moonen CTW**
DeVore GR See **Clark SL**
DeVore GR: in-utero cerebral vascular accident prior to external cephalic version, JCU 1991; **19:** 227
De Vos Meiring P; Wells IP: effect of radiology guidelines for general practitioners in Plymouth, Clin Radiol 1990; **42:** 327
Devous MD Sr See **Bonte FJ**
Devous MD Sr See **Purdy PD**
Devous MD Sr; Leroy RF; Homan RW: single photon emission computed tomography in epilepsy, Semin Nucl Med 1990; **20:** 325

Devred P See du Lac P
de Vries LS; Dubowitz LMS; Pennock JM; et al: extensive cystic leucomalacia: correlation of cranial ultrasound, magnetic resonance imaging and clinical findings in sequential studies, Clin Radiol 1989; 40: 158
de Vries RA; Kremer-Schneider MME; Otten MH: intramural hematoma of the esophagus caused by minor head injury 6 hours previously, Gastrointest Radiol 1991; 16: 283
de Waal JC: periodic mammographic follow-up of probably benign lesions, Radiology 1991; 181: 608
Dewanjee MK: chemistry of ^{99m}Tc-labeled radiopharmaceuticals, Semin Nucl Med 1990; 20: 5
Dewanjee MK; Chowdhury SC; Herold T; et al: endoxin testing with limulus amoebocyte lysate in a radiopharmaceutical containing chelated metallic radionuclides and chelating agents, J Nucl Med 1990; 31: 243
Dewbury KC See Herbetko J
DeWeese JA See Azodo MVU
DeWeese TL; Hazuka MB; Hommel DJ; et al: AIDS-related non-Hodgkin's lymphoma: the outcome and efficacy of radiation therapy, Int J Radiat Oncol Biol Phys 1991; 20: 803
DeWerd LA; Price J; Cameron JR; et al: evaluation of a commercial diode monitor for mailed quality control of therapy units, Int J Radiat Oncol Biol Phys 1990; 19: 1053
Dewey SH; Leonard JC: ocular melanoma: detection using iodine-123-iodoamphetamine and SPECT imaging, J Nucl Med 1990; 31: 375
Dewhirst M See Sostman HD
Dewhirst MW See Emami B
Dewhirst MW See Oleson JR
Dewhirst MW See Waterman FM
Dewhirst MW: animal modeling and thermal dose, Radiol Clin North Am 1989; 27: 509
Dewhirst MW; Oliver R; Tso CY; et al: heterogeneity in tumor microvascular response to radiation, Int J Radiat Oncol Biol Phys 1990; 18: 559
Dewhirst MW; Phillips TL; Samulski TV; et al: RTOG quality assurance guidelines for clinical trials using hyperthermia, Int J Radiat Oncol Biol Phys 1990; 18: 1249
Dewhirst MW; Sostman HD; Leopold KA; Charles HC; Moore D; Burn RA; Tucker JA; Harrelson JM; Oleson JR: soft-tissue sarcomas: MR imaging and MR spectroscopy for prognosis and therapy monitoring, work in progress, Radiology 1990; 174: 847
Dewhirst MW; Tso CY; Oliver R; et al: morphologic and hemodynamic comparison of tumor and healing normal tissue microvasculature, Int J Radiat Oncol Biol Phys 1989; 17: 91
De Wilde V; Voet D; Dhont M; et al: ultrasound diagnosis of a solitary gastric metastasis, JCU 1989; 17: 678
Dewit L; Anninga JK; Hoefnagel CA; et al: radiation injury in the human kidney: a prospective analysis using specific scintigraphic and biochemical endpoints, Int J Radiat Oncol Biol Phys 1990; 19: 977
DeWitt LD; Caplan LR: antiphospholipid antibodies and stroke, AJNR 1991; 12: 454
Dexeus FH See Lorigan JG
Dey C; Duvoisin B: CT findings in primary amyloidosis of the colon, JCAT 1989; 13: 1094
Dey HM; Spencer RP; Rosenberg RJ; et al: renal uptake of Tc-99m sulfur colloid in disseminated intravascular coagulation, Clin Nucl Med 1990; 15: 742
de Yang L; Bairey CN; Berman DS; et al: accuracy and reproducibility of left ventricular ejection fraction measurements using an ambulatory radionuclide left ventricular function monitor, J Nucl Med 1991; 32: 796
Deyoe LA; Cronan JJ; Lambiase RE; et al: percutaneous drainage of renal and perirenal abscesses: results in 30 patients, AJR 1990; 155: 81
de Zwart J See Mameghan H
D'Haem RJ; Cole RL: case of the pathetic pagetic patella, Clin Nucl Med 1989; 14: 306
Dhawan V; Moeller JR; Strother SC; et al: effect of selecting a fixed dephosphorylation rate on the estimation of rate constants and rCMRGlu from dynamic [^{18}F] fluorodeoxyglucose/PET data, J Nucl Med 1989; 30: 1483
Dhekne RD See Davidson RM
Dhekne RD See Delpassand ES
Dhekne RD See Howard JL
Dhem AJ See Lengelé BG
Dhillon HK See Fisk NM
Dhillon HK See Gordon I
d'Hoedt B See Stutte H
Dhont M See De Wilde V
Diaconis JN See Mirvis SE
Diakoumakis EE See Duffis AW
Diakoumakis EE See Weinberg B
Diamant NE See Shorvon PJ
Diament MJ; Koenig JC Jr: double-lumen central venous catheter for percutaneous ureteral perfusion studies, Radiology 1991; 181: 286
Diamond AA See Weichselbaum RR
Diamond C See Remick SC
Diamond DL See Townsend RN
Diamond G See Belman AL
Diamond JJ See Brogdon BG
Diamond JJ See Chu JCH
Diamond JJ See Hanks GE
Diamond RH; Rothstein RD; Alavi A: role of cimetidine-enhanced technetium-99m-pertechnetate imaging for visualizing Meckel's diverticulum, J Nucl Med 1991; 32: 1422
Diaz FG See Ausman JI
Diaz MJ; Fowler W; Hnatow BJ: congenital gallbladder duplication: preoperative diagnosis by ultrasonography, Gastrointest Radiol 1991; 16: 198
Diaz MJ; Hedlund GI: sonographic diagnosis of traumatic separation of the proximal femoral epiphysis in the neonate, Pediatr Radiol 1991; 21: 238
Diaz NM See Baker KS
Diaz RF See Hegarty TJ
Diaz-Arias AA See Marshall JB
Diaz-Bali FL; Moreno AJ; Toney MAO; et al: one-dose technetium-99m pertechnetate imaging in acute testicular torsion followed by manual detorsion, Clin Nucl Med 1990; 15: 76
Diaz-Maqueo JC See Avilés A
Diaz-Rubio E See Martin M
Diaz-Rubio E; Martin M; Rosell R; et al: antiemetic efficacy of thiethylperazine and methylprednisolone versus thiethylperazine and placebo in breast cancer patients treated with adjuvant chemotherapy (fluorouracil, doxorubicin and cyclophosphamide): a ramdomized, double-blind, cross-over trial, Acta Oncol 1991; 30: 339
DiBattiste PM See Hirshfeld JW Jr
Di Bello M See Romano M
Di Biasi C See Gualdi GF
Di Carlo V See DelMaschio A
DiCello MC See Masaryk AM
di Cesare E See Pavone P
Di Cesare E; Di Renzi P; Pavone P; et al: postsurgical follow-up of aortic dissections by MRI, Eur J Radiol 1991; 13: 27
Di Chiro G See Alger JR
Di Chiro G See Bizzi A
Di Chiro G See Brooks RA
Di Chiro G See Brunetti A
Di Chiro G See De Souza B
Di Chiro G See Levy LM
Di Chiro G See Wrobel CJ
Di Chiro G: meningioma subtypes: MR and PET features, Radiology 1989; 172: 578
Di Chiro G: procrustean bed and the self-anointed raters, Radiology 1989; 170: 569
Dick BW; Gordon RL; LaBerge JM; Doherty MM; Ring EJ: percutaneous transhepatic placement of biliary endoprostheses: results in 100 consecutive patients, JVIR 1990; 1: 97
Dick L; Mauro MA; Jaques PF; Buckingham P: radiologic insertion of Hickman catheters in HIV-positive patients: infectious complications, JVIR 1991; 2: 327
Dick L; Parker LA; Mauro MA: chronic arsenic poisoning as a cause of increased hepatic density with CT, JCAT 1990; 14: 828
Dick R See Gillams A
Dick R See Irving JD
Dick R See Kelly IMG
Dick R See Novell R
Dicke JM; Crane JP: sonographic recognition of major malformations and aberrant fetal growth in trisomic fetuses, J Ultrasound Med 1991; 10: 433
Dicker CS See Meli JA
Dickey JE See Hessel SJ
Dickey JE See Levy JM
Dickinson RJ See Huddart RA
Dickman CA; Hadley MN; Browner C; et al: neurosurgical management of acute atlas-axis combination fractures: a review of 25 cases, (ab), Radiology 1989; 173: 294
Dickman CA; Rekate HL; Bird CR; et al: unenhanced and gadolinium-DTPA-enhanced MR imaging in postoperative evaluation in pediatric brain tumors, (ab), Radiology 1990; 175: 293
Dickof P: MacDose, version 2.1, user's manual, Radiology 1991; 180: 50
Dicks-Mireaux C See English R
Dicks-Mireaux C See Finn JP
Dicks-Mireaux C See Gibson JM
Dicks-Mireaux C See Kirk JME
Dicks-Mireaux C See MacVicar D
Dicks-Mireaux C See Ng YY
Dickson AP See Jackson A
Dickson D See Belman AL
Dickson JAS See Okorie NM
Di Costanzo F See Ciatto S
DiCroce JJ See Glazer HS
Didier D; Schouman-Claeys E; Breton E; et al: quantitative assessment of average velocity in inferior vena cava by phase-display MR imaging: pulsed Doppler correlation, JCAT 1989; 13: 94
di Donna A See Dalla-Palma L
Diebler C See Nelson M
Diedrich K See Welker BG
Diehl JT See Daly BDT
Diehl LF See Hopper KD
Diehl V See Linden A
Diehl WL See Caruana V
Diener-West M; Dobbins TW; Phillips TL; et al: identification of an optimal subgroup for treatment evaluation of patients with brain metastases using RTOG study 7916, Int J Radiat Oncol Biol Phys 1989; 16: 669
Dienhart DG See Lear JL
Dieppe P See Watt I
Dieppe PA See Booth A
Dieppe PA See Glew D
Dierckx I; Appel B: MR findings in eclampsia, AJNR 1989; 10: 445
Dierckx R; Jorens PG; Appel B; et al: Tc-99m HMPAO SPECT of the brain in a patient with striopallidodentate calcifications, Clin Nucl Med 1991; 16: 439
Dierckx RA; Saerens J; De Deyn PP; et al: evolution of technetium-99m-HMPAO SPECT and brain mapping in a patient presenting with echolalia and palilalia, J Nucl Med 1991; 32: 1619
Dierkesmann R: diagnostic yield of bronchoscopy, Cardiovasc Intervent Radiol 1991; 14: 24
Dietemann JL See Bosser V
Dietemann JL See Kastler B
Dietemann JL See Romero C
Dietemann JL; Bonneville JF; Runge M; et al: computed tomography of lumbar apophyseal joint lipoma: report of three cases, Neuroradiol 1989; 31: 60
Dietemann JL; Filippi de la Palavesa MM; Kastler B; et al: thoracic intradural arachnoid cyst: possible pitfalls with myelo-CT and MR, Neuroradiol 1991; 33: 90
Dietemann JL; Filippi de la Palavesa MM; Tranchant C; et al: MR findings in mannosidosis, Neuroradiol 1990; 32: 485
Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ: determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Radiology 1989; 171: 213
Diethrich EB: leave the glazing for the donuts, JVIR 1990; 1: 133
Diethrich EB: value of laser-assisted angioplasty in the community hospital, Radiology 1989; 173: 877
Dietrich PA See Fairbank JT
Dietrich RA See Lowery WS
Dietrich RB See Lippe B
Dietrich RB See Robinson JD
Dietrich RB; Vining EP; Taira RK; et al: myelin disorders of childhood: correlation of MR findings and severity of neurological impairment, JCAT 1990; 14: 693
Dietrich U; Feldges A; Nau H-E; et al: epidural abscess following frontal sinusitis—demonstration of communication by epidural contrast medium and coronal computerized tomography, Comput Med Imag Graph 1989; 13: 351
Dietrich NA; Cacioppo JC; Davis RP: vanishing elective cholecystectomy: trends and their consequences, (ab), Radiology 1989; 170: 287
Dietz MJ See Kier R
Dietz R; Schanen G; Kramann B; et al: intracranial amebic abscesses: CT and MR findings, JCAT 1991; 15: 168
Dietzek AM; Goldsmith J; Veith FJ; et al: interruption of critical aortoiliac collateral circulation during nonvascular operations: a cause of acute limb-threatening ischemia, (ab), JVIR 1991; 2: 410
Diez B; Richard L: malignant germ cell sacrococcygeal tumors in children: improved prognosis after introduction of cisplatin-containing multipie drug treatment, Acta Oncol 1989; 28: 249
Diez C See Berciano J
DiGaudio K See Maall ME
Digerness SB See Bittner V
Digman KE; Partington CR; Graves VB: MR imaging of spinal pachymeningitis, JCAT 1990; 14: 988
Digon E See Olier J
Digre KB; Corbett JJ: pseudotumor cerebri in men, (ab), Radiology 1989; 171: 294
Digre KB; Maxner CE; Crawford S; et al: significance of CT and MR findings in sphenoid sinus disease, AJNR 1989; 10: 603
Dilorio G See Awwad EE
Dijkstra G See Bonke B
Dijkstra PF See Gubler FM
Dilawari JB; Chawla YK; Kaur U: development of the Cruveilhier-Baumgarten syndrome after endoscopic obliteration of oesophageal varices: report of a case, Acta Radiol 1989; 30: 401
Dilawari JB; Chawla YK; Raju GS; et al: splenoportovenography in portal hypertension: a safe outpatient procedure, J Canad Assoc Radiol 1990; 41: 146

Di Lelio A; Cestari C; Lomazzi A; Beretta L: cirrhosis: diagnosis with sonographic study of the liver surface, Radiology 1989; **172:** 389
Dillard JP See **Fellmeth BD**
Dillehay DL See **Murphy FB**
Dillehay LE See **Scott BR**
Dilley RB See **Bernstein EF**
Dillingham M See **Russ PD**
Dillon EH; Feyock AL; Taylor KJW: pseudogestational sacs: Doppler US differentiation from normal or abnormal intrauterine pregnancies, Radiology 1990; **176:** 359
Dillon EH; Pope CF; Jokl P; Lynch JK: follow-up of grade 2 meniscal abnormalities in the stable knee, Radiology 1991; **181:** 849
Dillon J See **Siegle RL**
Dillon JC See **Lundgren C**
Dillon ML See **Woodring JH**
Dillon PF See **Clark JF**
Dillon PF See **Fisher MJ**
Dillon WP See **Aoki S**
Dillon WP See **Barakos JA**
Dillon WP See **De Marco JK**
Dillon WP See **Gooding GAW**
Dillon WP See **Harnsberger HR**
Dillon WP See **Lee SR**
Dillon WP See **Mancuso AA**
Dillon WP See **Newton DR**
Dillon WP See **Runge VM**
Dillon WP See **Russell EJ**
Dillon WP See **Sakai F**
Dillon WP See **Sandhu FS**
Dillon WP See **Sevick RJ**
Dillon WP See **Som PM**
Dillon WP See **Tien RD**
Dillon WP See **Tsuruda JS**
Dillon WP See **Valk PE**
Dillon WP; Norman D; Newton TH; Bolla K; Mark A: intradural spinal cord lesions: Gd-DTPA–enhanced MR imaging, Radiology 1989; **170:** 229
Dillon WP; Som PM; Fullerton GD: hypointense MR signal in chronically inspissated sinonasal secretions, Radiology 1990; **174:** 73
Dillon WP; Som PM; Rosenau W: hemangioma of the nasal vault: MR and CT features, Radiology 1991; **180:** 761
Di Lorenzo M See **Bass J**
Di Lorenzo M; Collin P-P: pulmonary metastases in children: results of surgical treatment, (ab), Radiology 1989; **171:** 295
Dilsizian V See **Bonow RO**
Dilsizian V See **Rocco TP**
Dilsizian V; Rocco TP; Bonow RO; et al: cardiac blood-pool imaging II: applications in noncoronary heart disease, J Nucl Med 1990; **31:** 10
Dimand RJ; Bradbury EM; Cox KL: determination of triacylglycerol lipase activity using carbon-13-labeled triacylglycerols and nuclear magnetic resonance spectroscopy: evidence that hepatic lipase hydrolyzes medium-chain triacylglycerols, Magn Res Med 1989; **9:** 273
Di Marco A; Campostrini F; Garusi GF: non-Hodgkin lymphomas presenting with spinal epidural involvement, Acta Oncol 1989; **28:** 485
di Marzo L; Cavallaro A; Sciacca V; et al: diagnosis of popliteal artery entrapment syndrome: the role of duplex scanning, (ab), JVIR 1991; **2:** 411
di Marzo L; Cavallaro A; Sciacca V; et al: diagnosis of popliteal artery entrapment syndrome: the role of duplex scanning, (ab), Radiology 1991; **180:** 887
Diment DD See **Athey PA**
Dimitrakopoulou A See **Haberkorn U**
Dimitrov N See **Aspelin P**
Dimopoulos P; Muren C: anatomic variations of the cochlea and relations to other temporal bone structures, Acta Radiol 1990; **31:** 439
Di Muro MR See **Baldi C**
Dina TS See **Boden SD**
Dina TS: primary central nervous system lymphoma versus toxoplasmosis in AIDS, Radiology 1991; **179:** 823
Dinçer A See **Akhan O**
Diner WC See **Angtuaco TL**
Diner WC See **Navab F**
Diner WC See **Walker CW**
Dines KA See **Fry FJ**
Dines KA See **Jackson VP**
Ding Y See **Wang YX**
Dinger JC See **Niendorf HP**
Dinh TV; Slavin RE; Bhagavan BS; et al: mixed mesodermal tumors of the ovary: a clinicopathologic study of 14 cases, (ab), Radiology 1989; **170:** 290
Dinh YRT; Mamo H; Cervoni J; et al: disturbances in the cerebral perfusion of human immune deficiency virus-1 seropositive asymptomatic subjects: a quantitative tomography study of 18 cases, J Nucl Med 1990; **31:** 1601
Dinno MA; Crum LA; Wu J: effect of therapeutic ultrasound on electrophysiological parameters of frog skin, Ultrasound Med Biol 1989; **15:** 461
Dinshaw H See **Hussain S**
Dinsmore BJ See **Gefter WB**
Dinsmore BJ; Gefter WB; Hatabu H; et al: pulmonary arteriovenous malformations: diagnosis by gradient-refocused MR imaging, JCAT 1990; **14:** 918
Dinsmore BJ; Grumbach K: disorders of the fetal thorax and abdomen, Semin Roentgenol 1990; **25:** 334
Diokno AC See **Karamalegos AZ**
Dion J See **Duckwiler GR**
Dion J See **Tessler FN**
Dion J See **Viñuela F**
Dion JE See **Duckwiler GR**
Dion JE See **Jabour BA**
Dion JE See **Spickler EM**
Dion JE; Duckwiler GR; Lylyk P; et al: progressive suppleness Pursil catheter: a new tool for superselective angiography and embolization, AJNR 1989; **10:** 1068
Dion JE; Duckwiler GR; Viñuela F; et al: pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage, (ab), JVIR 1991; **2:** 301
Dion JE; Duckwiler GR; Viñuela F; et al: pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage, Neuroradiol 1990; **32:** 232
Dion MW; Hussey DH; Doornbos JF; et al: preliminary results of a pilot study of pentoxifylline in the treatment of late radiation soft tissue necrosis, Int J Radiat Oncol Biol Phys 1990; **19:** 401
Dion MW; Hussey DH; Osborne JW: effect of pentoxifylline on early and late radiation injury following fractionated irradiation in C3H mice, Int J Radiat Oncol Biol Phys 1989; **17:** 101
Diotellevi F See **Giunta S**
DiPaola J See **Nelson DW**
DiPersio DA See **Elster AD**
DiPietro MA See **Blane CE**
DiPietro MA See **Brunberg JA**
DiPietro MA See **Caron KH**
DiPietro MA See **Faix RG**
DiPietro MA See **Platt JF**
DiPietro MA See **Rubin JM**
DiPietro MA See **Zerin JM**
D'Ippolito G See **Balzarini L**
Diren HB See **Demirci A**
Diren HB See **Sener RN**
Diren HB; Kovanlikaya I; Süller A; et al: Hajdu-Cheney syndrome: a case report and review of the literature, Fediatr Radiol 1990; **20:** 568
Di Renzi P See **Di Cesare E**
di Renzi P See **Pavone P**
Dirksen KL See **Neergaard K**
Di Rocco A; Ellis SJ; Landes C: delayed epidural hematoma, Neuroradiol 1991; **33:** 253
Di Rocco M See **Taccone A**
Di Rocco RJ; Kageyama GH; Wong-Riley MTT: relationship between CNS metabolism and cytoarchitecture: a review of ^{14}C-deoxyglucose studies with correlation to cytochrome oxidase histochemistry, Comput Med Imag Graph 1989; **13:** 81
DiSantis DJ See **Scatarige JC**
DiSantis DJ See **Stitik FP**
DiSantis DJ; DiSantis DM: radiologic history exhibit: wrong turns on radiology's road of progress, Radiographics 1991; **11:** 1121
DiSantis DJ; Scatarige JC; Cramer MS; Kim MH: feasibility of digital teleradiology for imaging evaluation of patients with acute right upper quadrant abdominal pain, Radiology 1990; **177:** 707
DiSantis DJ; Siegel MJ; Katz ME: simplified approach to umbilical remnant abnormalities, Radiographics 1991; **11:** 59
DiSantis DM See **DiSantis DJ**
DiSario JA; Foutch PG; Sanowski RA: poor results with percutaneous endoscopic jejunostomy, (ab), JVIR 1990; **1:** 139
Dische S See **Hong A**
Dische S See **Rugg T**
Dische S See **Saunders MI**
Dische S: keynote address: hypoxic cell sensitizers: clinical developments, Int J Radiat Oncol Biol Phys 1989; **16:** 1057
Dische S: review of hypoxic cell radiosensitization, Int J Radiat Oncol Biol Phys 1991; **20:** 147
Dische S; Bennett MH; Orchard R; et al: uptake of the radiosensitizing compound Ro 03-8799 (pimonidazole) in human tumors, Int J Radiat Oncol Biol Phys 1989; **16:** 1089
Dische S; Saunders MI: rationale for continuous, hyperfractionated, accelerated radiotherapy (CHART), Int J Radiat Oncol Biol Phys 1990; **19:** 1317
Di Sessa TG See **Medellin GJ**
DiSessa TG; Emerson DS; Felker RE; et al: anomalous systemic and pulmonary venous pathways diagnosed in utero by ultrasound, J Ultrasound Med 1990; **9:** 311
Disher A See **Nalis G**
Disler DG See **Chew FS**
Disler DG; Chew FS: splenic hemangioma, AJR 1991; **157:** 44
Dissing I See **Praestholm J**
Distell BM; Hertzberg BS; Bowie JD: spontaneous resolution of a cystic neck mass in a fetus with normal karyotype, AJR 1989; **153:** 380
Distelmans W; Van Ginckel R; Vanherck W; et al: interaction between the microtubule inhibitor tubulozole and gamma-irradiation in murine tumors *in vivo*, Int J Radiat Oncol Biol Phys 1989; **16:** 177
Ditesheim JA See **Martin RS III**
Dittrich HC See **Chow LC**
Ditz BL See **Hale J**
Dive A See **Vandenplas O**
Divekar VK See **Phadke RV**
Divgi CR; Larson SM: radiolabeled monoclonal antibodies in the diagnosis and treatment of malignant melanoma, Semin Nucl Med 1989; **19:** 252
Divon MY; Guidetti DA; Braverman JJ; et al: intrauterine growth retardation: a prospective study of the diagnostic value of real-time sonography combined with umbilical artery flow velocimetry, (ab), Radiology 1989; **171:** 588
Dixon AK See **Field RE**
Dixon AK See **Moore NR**
Dixon AK See **Reed DH**
Dixon AK See **Somers JM**
Dixon AY See **McGregor DH**
Dixon CM See **Marshall GA**
Dixon D See **Alexanian R**
Dixon J See **Murray IPC**
Dixon PJ See **Boothroyd AE**
Dixon SD See **Hoyme HE**
Dixon WT: NMR measurements of different tissue perfusion parameters, Magn Res Med 1991; **19:** 210
Dixon WT: use of magnetization transfer contrast in gradient-recalled echo images, Radiology 1991; **179:** 15
Dixon WT; Sardashti M; Castillo M; et al: multiple inversion recovery reduces static tissue signal in angiograms, Magn Res Med 1991; **18:** 257
Dixon-Brown A See **Barrett JH**
Djang WT See **Heinz ER**
Djindjian M See **Brugières P**
Djindjian M See **Nguyen JP**
Djukic S; Genant HK; Helms CA; et al: magnetic resonance imaging of the postoperative lumbar spine, Radiol Clin North Am 1990; **28:** 341
Dmochowski R See **Wishnow KI**
Do NK See **Braver JM**
Doan HT See **Flanders AE**
Dobbelaere P See **Soyer P**
Dobbeleir A See **Piepsz A**
Dobbeleir A See **Roland J**
Dobbeleir AA See **Franken PR**
Dobben RL; Wright KC; Dolenz K; et al: prostatic urethra dilatation with the Gianturco self-expanding metallic stent: a feasibility study in cadaver specimens and dogs, AJR 1991; **156:** 757
Dobbins JT III See **Chotas HG**
Dobbins JT III; Powell AO: variable compensation technique for digital radiography of the chest, Radiology 1989; **173:** 451
Dobbins TW See **Diener-West M**
Dobbs HJ See **Fraser SCA**
Dobelbower R See **Montemaggi P**
Dobelbower RR See **Bagne FR**
Dobelbower RR Jr; Howard JM; Bagne FR; et al: treatment of cancer of the pancreas by precision high dose (PHD) external photon beam and intraoperative electron beam therapy (IOEBT), Int J Radiat Oncol Biol Phys 1989; **16:** 205
Dobelbower RR Jr; Konski AA; Merrick HW III; et al: intraoperative electron beam radiation therapy (IOEBRT) for carcinoma of the exocrine pancreas, Int J Radiat Oncol Biol Phys 1991; **20:** 113
Dobkin GR See **Polak JF**
Dobranowski J See **Bartlett P**
Dobranowski J See **Woods D**
Dobranowski J; Stringer DA: diagnosis of Legionella lung abscess by percutaneous needle aspiration, J Canad Assoc Radiol 1989; **40:** 43
Dobrin PB See **Schwarcz TH**
Dobrowsky E See **Dobrowsky W**
Dobrowsky E; Newell K; Tannock IF: potential of lactate and succinate to kill nutrient deprived tumor cells by intracellular acidification, Int J Radiat Oncol Biol Phys 1991; **20:** 275
Dobrowsky W: radiotherapy of epidermoid anal canal cancer, Br J Radiol 1989; **62:** 53
Dobrowsky W; Dobrowsky E; Strassl H; et al: combined modality treatment of advanced cancers of the oral cavity and oropharynx, Int J Radiat Oncol Biol Phys 1991; **20:** 239

Dobrucki JW; Sutherland RM; Swartz HM: nonperturbing test for cytotoxicity in isolated cells and spheroids, using electron paramagnetic resonance, Magn Res Med 1991; **19:** 42

Dobry CA See **Gurney JW**

Dobson PP See **Fornace AJ Jr**

Doci R See **Zucali R**

Docimo SG; Lebowitz RL; Retik AB; et al: congenital midureteral obstruction, Urol Radiol 1989; **11:** 156

Dock W; Grabenwöger F; Metz V; Eibenberger K; Farrés MT: tumor vascularization: assessment with duplex sonography, Radiology 1991; **181:** 241

Dock W; Hajek P; Wittich G; et al: primary malignant fibrous histiocytoma of a metacarpal bone: a new localization, Br J Radiol 1989; **62:** 940

Dock W; Happak W; Grabenwöger F; Toifl K; Bittner R; Gruber H: neuromuscular diseases: evaluation with high-frequency sonography, Radiology 1990; **177:** 825

Dockery SE; Suddarth SA; Johnson GA: relaxation measurements at 300 MHz using MR microscopy, Magn Res Med 1989; **11:** 182

Dockray KT: medical staff alliances: how to build successful partnerships with your physicians, Radiology 1990; **177:** 66

Dockray KT: restructuring for ambulatory care: a guide to reorganization, Radiology 1990; **177:** 66

Dodd GD: lymphoma of the hollow abdominal viscera, Radiol Clin North Am 1990; **28:** 771

Dodd GD III See **Pozniak MA**

Dodd GD III; Budzik RF Jr: identification of retained firearm projectiles on plain radiographs, AJR 1990; **154:** 471

Dodd GD III; Budzik RF Jr: lipomatous tumors of the pelvis in women: spectrum of imaging findings, AJR 1990; **155:** 317

Dodd GD III; Budzik RF Jr: lipomatous uterine tumors: diagnosis by ultrasound, CT, and MR, JCAT 1990; **14:** 629

Dodd GD III; Lancaster KT; Moulton JS: ovarian lipoleiomyoma: a fat-containing mass in the female pelvis, AJR 1989; **153:** 1007

Dodd GD III; Tublin ME; Shah A; et al: imaging of vascular complications associated with renal transplants, AJR 1991; **157:** 449

Dodd NJF See **Moore JV**

Doddrell DM; Brereton IM; Moxon LN; et al: unequivocal determination of lactic acid using a one-dimensional zero-quantum coherence-transfer technique, Magn Res Med 1989; **9:** 132

Doddrell DM; Field J; Crozier S; et al: high-field localized *in vivo* proton spectroscopy on micro volumes, Magn Res Med 1990; **13:** 518

Doddrell DM; Galloway GJ; Rose SE; et al: on the use of a slice-selective 270° self-refocusing Gaussian pulse for magnetic resonance imaging, Magn Res Med 1991; **19:** 456

Dodds WJ See **Dantas RO**

Dodds WJ See **Taylor AJ**

Dodds WJ See **Wiedmeyer DA**

Dodds WJ: biliary tract motility and its relationship to clinical disorders, AJR 1990; **155:** 247

Dodds WJ; Erickson SJ; Taylor AJ; et al: caudate lobe of the liver: anatomy, embryology, and pathology, AJR 1990; **154:** 87

Dodds WJ; Logemann JA; Stewart ET: radiologic assessment of abnormal oral and pharyngeal phases of swallowing, AJR 1990; **154:** 965

Dodds WJ; Stewart ET; Logemann JA: physiology and radiology of the normal oral and pharyngeal phases of swallowing, AJR 1990; **154:** 953

Dodds WJ; Taylor AJ; Erickson SJ; et al: radiologic imaging of splenic anomalies, AJR 1990; **155:** 805

Dodds WJ; Taylor AJ; Erickson SJ; et al: traumatic fracture of the pancreas: CT characteristics, JCAT 1990; **14:** 375

Dodds WJ; Taylor AJ; Stewart ET; et al: tipper and dipper types of oral swallows, AJR 1989; **153:** 1197

Dodero P See **Tomá P**

Dodson MG; Deter RL: definition of anatomical planes for use in transvaginal sonography, JCU 1990; **18:** 239

Dodson T See **Helms CA**

Doenz F See **Cho KJ**

Doerr RJ See **Abdel-Nabi HH**

Doershuk CF See **Cohen AM**

Doesburg WH See **Hendrikx AJM**

Doğan R; Yüksel M; Çetin G; et al: surgical treatment of hydatid cysts of the lung: report on 1055 patients, (ab), Radiology 1990; **174:** 586

Dognini L; Carreri AL; Moscatelli G: aneurysm of the portal vein: ultrasound and computed tomography identification, JCU 1991; **19:** 178

Doherty FJ: ultrasound of the nonacute scrotum, Semin US CT MR 1991; **12:** 131

Doherty J See **Goldman AB**

Doherty M See **LaBerge JM**

Doherty MM See **Dick BW**

Dohi T See **Mori K**

Dohi Y See **Muramatsu T**

Dohmen K; Harada M; Ishibashi H; et al: ultrasonographic studies on abdominal complications in patients receiving marrow-ablative chemotherapy and bone marrow or blood stem cell transplantation, JCU 1991; **19:** 321

Döhring W See **Hendrickx P**

Doi C See **Meguro K**

Doi H See **Imaeda T**

Doi K See **Asada N**

Doi K See **Chan H-P**

Doi K See **Fraser RG**

Doi K See **Giger ML**

Doi K See **Hoffmann KR**

Doi K See **Katsuragawa S**

Doi K See **MacMahon H**

Doi K See **Nakamori N**

Doi K See **Schmidt RA**

Doi O See **Kuriyama K**

Doida Y; Miller MW; Cox C; et al: confirmation of an ultrasound-induced mutation in two *in-vitro* mammalian cell lines, Ultrasound Med Biol 1990; **16:** 699

Doke Y See **Kageyama T**

Dokoh S See **Misaki T**

Dokoh S See **Shibamoto Y**

Dolan J See **Posniak HV**

Dolan KD See **Esfahani F**

Dolan KD: temporal bone fractures, Semin US CT MR 1989; **10:** 262

Dolan MA; Knapp JF; Andres J: three-wheel and four-wheel all-terrain vehicle injuries in children, (ab), Radiology 1990; **175:** 294

Dolenz K See **Dobben RL**

Dolenz KB; Li KCP; Hawkins IF Jr; et al: dynamic CT of hepatic masses using intraarterial enhancement: advantages and pitfalls, Gastrointest Radiol 1990; **15:** 241

Dolinskas C See **Nigogosyan M**

Dölken W See **Landwehr P**

Doll J See **Esik O**

Doll R: progress against cancer: are we winning the war?, Acta Oncol 1989; **28:** 611

Dollahite HA; Tatum L; Moinuddin SM; et al: aspiration biopsy of primary neoplasms of bone, (ab), Radiology 1990; **174:** 902

Dolmatch BL See **Dake MD**

Dolmatch BL; Rholl KS; Moskowitz LB; Dake MD; van Breda A; Kaplan JO; Katzen BT: blue toe syndrome: treatment with percutaneous atherectomy, Radiology 1989; **173:** 799

Domanski MJ See **Shawl FA**

Domar AD See **Mandle CL**

Domellöf L See **Andersson M**

Domesek JM See **Rothschild PA**

Domingues RC; Mikulis D; Swearingen B; et al: subcutaneous sacrococcygeal myxopapillary ependymoma: CT and MR findings, AJNR 1991; **12:** 171

Domingues RC; Taveras JM; Reimer P; et al: foramen magnum choroid plexus papilloma with drop metastases to the lumbar spine, AJNR 1991; **12:** 564

Dominguez R See **Robinson L**

Domnanovich JR See **Groch MW**

Don C; Burns KD; Levine DZ: body fluid volume status in hemodialysis patients: the value of the chest radiograph, J Canad Assoc Radiol 1990; **41:** 123

Don C; Desmarais R: peripheral upper lobe collapse in adults, Radiology 1989; **170:** 657

Don S See **Cory DA**

Don S; Kopecky KK; Filo RS; Leapman SB; Thomalla JV; Jones JA; Klatte EC: duplex Doppler US of renal allografts: causes of elevated resistive index, Radiology 1989; **171:** 709

Don S; Kopecky KK; Tuli MM; et al: detection of rejection in renal allografts: evaluation with duplex sonography and DTPA renal scintigraphy with kidney/aorta perfusion ratios, J Ultrasound Med 1990; **9:** 503

Donahue F; Levine MS; Rubesin SE: pseudoaneurysm of common iliac artery mimicking colonic metastasis on double-contrast barium enema, J Canad Assoc Radiol 1989; **40:** 224

Donahue LA See **Katzberg RW**

Donahue LA; Linke CA; Rowe JM: renal loss following extracorporeal shock wave lithotripsy, (ab), Radiology 1990; **175:** 589

Donald JJ; Coral A; Lees WR: choledochocoele complicated by carcinoma, Clin Radiol 1989; **40:** 101

Donald JJ; Fache JS; Burhenne HJ: biliary lithotripsy: correlation between gallbladder contractility before treatment and the success of treatment, AJR 1991; **157:** 287

Donald JJ; Raphael MJ: case report: pulsatile tinnitus relieved by angioplasty, Clin Radiol 1991; **43:** 132

Donald JJ; Rickards D; Milroy EJG: stricture disease: radiology of urethral stents, Radiology 1991; **180:** 447

Donald JJ; Shorvon PJ; Lees WR: hypoechoic area within the head of the pancreas—a normal variant, Clin Radiol 1990; **41:** 337

Donaldson ES See **van Nagell JR Jr**

Donaldson JS See **Benson LS**

Donaldson JS See **Bisceglia M**

Donaldson JS See **Gore MD**

Donaldson JS See **Joseph AE**

Donaldson JS See **Kirsch MD**

Donaldson JS See **Lenchik L**

Donaldson JS See **Lowe GM**

Donaldson JS See **Moore SG**

Donaldson JS See **West MS**

Donaldson JS; Luck SR; Vogelzang R: preoperative CT and MR imaging of ischiopagus twins, JCAT 1990; **14:** 643

Donaldson MC See **Belkin M**

Donaldson MC See **Kent KC**

Donaldson MC See **Polak JF**

Donaldson S See **Ingersoll L**

Donaldson SS See **Baker LL**

Donaldson SS See **Chang PJ**

Donaldson SS See **Mefferd JM**

Donaldson SS See **Ortin TTS**

Donaldson SS See **Prestidge BR**

Donaldson SS See **Smith LM**

Donati D See **Ott DJ**

Donato de Próspero J See **Schajowicz F**

Donchey S See **Lovett I**

Dondelinger RF See **Goffette P**

Dondelinger RF See **Irving JD**

Dondelinger RF; Kurdziel J-C; Gathy C: percutaneous treatment of pyogenic liver abscess: a critical analysis of results, Cardiovasc Intervent Radiol 1990; **13:** 174

Dondi M See **Tartagni F**

Dondi M; Franchi R; Levorato M; et al: evaluation of hypertensive patients by means of captopril enhanced renal scintigraphy with technetium-99m DTPA, J Nucl Med 1989; **30:** 615

Dondi M; Monetti N; Fanti S; et al: use of technetium-99m-MAG_3 for renal scintigraphy after angiotensin-converting enzyme inhibition, J Nucl Med 1991; **32:** 424

Done S See **Buetow PC**

Done SL See **Ikezoe J**

Done SL See **McAdams HP**

Donelan K See **Biendon R**

Dong P See **LaRoy L**

Donlan JD See **Gibson RN**

Donlon JB See **Kearney D**

Donnal JF; Blinder RA; Coblentz CL; et al: MR imaging of stump neuroma, JCAT 1990; **14:** 656

Donnal JF; Heinz ER; Burger PC: MR of reversible thalamic lesions in Wernicke syndrome, AJNR 1990; **11:** 893

Donnelly T See **Auffermann W**

Donnenfeld AE See **Macpherson RI**

Donnenfeld AE; Mennuti MT; Templeton JM; et al: prenatal sonographic diagnosis of a vesico-allantoic abdominal wall defect, J Ultrasound Med 1989; **8:** 43

Donner C See **Jauniaux E**

Donofrio PD See **Moeser PM**

Donoghue V See **Fitzgerald P**

Donohoe K See **Cohen AM**

Donohue JH; Collin C; Friedrich C; et al: low-grade soft tissue sarcomas of the extremities: analysis of risk factors for metastasis, (ab), Radiology 1989; **170:** 296

Donoso L See **Cáceres J**

Donoso L See **Pérez CM**

Donoso L; Martínez-Noguera A; Zidan A; Lora F: papillary process of the caudate lobe of the liver: sonographic appearance, Radiology 1989; **173:** 631

Donovan BC See **Meyerovitz MF**

Donovan DA See **Knox AM**

Donovan JM See **Hafner R**

Donovan JM; Gleason DM: identifying types of female incontinence with retrograde urethrocystography, (ab), Radiology 1990; **177:** 597

Donovan K See **Fletcher JA**

Donovan KR See **Rouzier MH**

Donovan SA See **Angtuaco TL**

Doo E; Krishnamurthy GT; Eklem MJ; et al: quantification of hepatobiliary function as an integral part of imaging with technetium-99m-mebrofenin in health and disease, J Nucl Med 1991; **32:** 48

Dooley JS See **Gillams A**

Dooley WC; Cameron JL; Pitt HA; et al: is preoperative angiography useful in patients with periampullary tumors?, (ab), Radiology 1991; **178:** 291

Dooms G See **Boulanger T**

Dooms G See **Poncelet V**

Dooms G See **Van Beers BE**

Dooms G See **Vandenplas O**

Dooms GC See **Dupuis MJM**

Dooms GC See **Hulcelle PJ**

Doornbos J See **de Roos A**

Doornbos J See **Krauss XH**

Doornbos J See **Kruyt RH**
Doornbos J See **van Dijkman PRM**
Doornbos J; Verwey H; Essed CE; et al: MR imaging in assessment of cardiac transplant rejection in humans, JCAT 1990; **14:** 77
Doornbos JF See **Dion MW**
Doornbos JF; Stoffel TJ; Hass AC; et al: role of kilovoltage irradiation in the treatment of keloids, Int J Radiat Oncol Biol Phys 1990; **18:** 833
Doos WG See **Medeiros LJ**
Doppelt S See **Rosenthal DI**
Doppke K See **Urie MM**
Doppke KP See **Dunbar SF**
Doppke KP See **Munzenrider JE**
Doppman JL See **De Souza B**
Doppman JL See **Frucht H**
Doppman JL See **London JF**
Doppman JL See **Miller DL**
Doppman JL See **Norton JA**
Doppman JL See **Pass HI**
Doppman JL: epidural lipomatosis, Radiology 1989; **171:** 581
Doppman JL: mechanism of ischemia in anteroposterior compression of the spinal cord, Invest Radiol 1990; **25:** 444
Doppman JL: National Institutes of Health and Academic Radiology: a view from the inside, Radiology 1989; **171:** 281
Doppman JL: percutaneous aspiration for hormone levels in the diagnosis of functioning endocrine tumors, Cardiovasc Intervent Radiol 1991; **14:** 73
Doppman JL; Miller DL; Chang R; Maton PN; London JF; Gardner JD; Jensen RT; Norton JA: gastrinomas: localization by means of selective intraarterial injection of secretin, Radiology 1990; **174:** 25
Doppman JL; Miller DL; Chang R; Shawker TH; Gorden P; Norton JA: insulinomas: localization with selective intraarterial injection of calcium, Radiology 1991; **178:** 237
Doppman JL; Miller DL; Patronas NJ; et al: diagnosis of acromegaly: value of inferior petrosal sinus sampling, AJR 1990; **154:** 1075
Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL: ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Radiology 1989; **172:** 115
Doppman JL; Pass HI; Nieman LK; et al: detection of ACTH-producing bronchial carcinoid tumors: MR imaging vs CT, AJR 1991; **156:** 39
Doppman JL; Travis WD; Nieman LK; Miller DL; Chrousos GP; Gomez MT; Cutler GB Jr; Loriaux DL; Norton JA: Cushing syndrome due to primary pigmented nodular adrenocortical disease: findings at CT and MR imaging, Radiology 1989; **172:** 415
Doraiswamy PM; Potts JM; Figiel GS; Boyko OB; Krishnan KRR: MR imaging of physiologic pituitary gland hypertrophy in adolescence, Radiology 1991; **178:** 284
Doran A See **Radford PJ**
Doran M See **Hajnal JV**
Doran M; Bydder GM: magnetic resonance: perfusion and diffusion imaging, Neuroradiol 1990; **32:** 392
Doran M; Hajnal JV; Van Bruggen N; et al: normal and abnormal white matter tracts shown by MR imaging using directional diffusion weighted sequences, JCAT 1990; **14:** 865
Doran MD See **Young IR**
Dore R See **Alerci M**
Dorey FJ See **Rajfer J**
Dorfman D See **Koolpe HA**
Dorfman DD See **Berbaum KS**
Dorfman GS See **Cronan JJ**
Dorfman GS See **Frink NC**
Dorfman GS See **Guy GE**
Dorfman GS See **Kamholtz RG**
Dorfman GS See **Kane NM**
Dorfman GS See **Lambiase RE**
Dorfman GS See **Murphy TP**
Dorfman GS See **Vaccaro JP**
Dorfman GS: percutaneous inferior vena caval filters, Radiology 1990; **174:** 987
Dorfman GS; Cronan JJ: postcatheterization femoral artery injuries: is there a role for nonsurgical treatment?, Radiology 1991; **178:** 629
Dorfman GS; Cronan JJ; Paolella LP; Lambiase RE; Haas RA; Scola FH; Schepps B: iatrogenic changes at the venotomy site after percutaneous placement of the Greenfield filter, Radiology 1989; **173:** 159
Dorfman GS; Froehlich JA; Cronan JJ; et al: lower-extremity venous thrombosis in patients with acute hip fractures: determination of anatomic location and time of onset with compression sonography, AJR 1990; **154:** 851
Dorfman GS; Waltman AC: economic factors affecting practice of interventional radiology in the United States, Radiology 1989; **172:** 895
Dorfman HD See **Gross ML**
Dorfman HD See **Jones JG**
Dorfman HD See **Nuovo MA**
Dorfman RE See **Alpern MB**
Dorfman RE; Alpern MB; Gross BH; Sandler MA: upper abdominal lymph nodes: criteria for normal size determined with CT, Radiology 1991; **180:** 319
Dorfman RF See **Castellino RA**
Dorie MJ; Kallman RF; Cebulska-Wasilewska A: interleukin-1 modification of the effects of cyclophosphamide and fractionated irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 311
Dorin RI See **Vela BS**
Doris I: difficult diagnoses in urology, Radiology 1989; **171:** 486
Doris I; Qizilbash A; Meghji M: fundic gland polyposis occurring with adult celiac disease, J Canad Assoc Radiol 1990; **41:** 149
Dorman BA See **Thompson WR**
Dormandy B See **Higashida RT**
Dormont D See **Biondi A**
Dormont D See **Callebaut J**
Dormont D See **Missir O**
Dorne HL: use of flexible protective gloves: another viewpoint, Radiology 1990; **176:** 287
Dorney SFA See **Davies RP**
Dorr FA; Bader J; Friedman MA: locally advanced breast cancer current status and future directions, Int J Radiat Oncol Biol Phys 1989; **16:** 775
Dorr JPJ See **Broekman BAMW**
Dorr RT See **Elam EA**
Dorros G See **Wexler L**
Dorros G; Iyer S; Lewin R; et al: angiographic follow-up and clinical outcome of 126 patients after percutaneous directional atherectomy (Simpson AtheroCath) for occlusive peripheral vascular disease, (ab), JVIR 1991; **2:** 412
Dorros G; Iyer S; Zaitoun R; et al: acute angiographic and clinical outcome of high-speed percutaneous rotational atherectomy (Rotabulator), (ab), JVIR 1991; **2:** 416
Dorros G; Lewin RF; Mathiak LM; et al: percutaneous transluminal coronary angioplasty in patients with two or more previous coronary artery bypass grafting operations, (ab), Radiology 1989; **170:** 292
D'Orsi CJ; Mendelson EB: interventional breast ultrasonography, Semin US CT MR 1989; **10:** 132
D'Orsi CJ; Reale FR; Davis MA; Brown VJ: breast specimen microcalcifications: radiographic validation and pathologic-radiologic correlation, Radiology 1991; **180:** 397
Dorsky S See **Swayne LC**
Dorta M See **Federle L**
Dorwart R See **Schwankhaus JD**
Doshi N See **Mendelson EB**
Doshi N See **Tobon H**
Doshi V See **Zwanger-Mendelsohn S**
D'Ottavio G See **Mandruzzato GP**
Doubilet PM See **Benson CB**
Doubilet PM See **Brown DL**
Doubilet PM; Benson CB: fetal growth disturbances, Semin Roentgenol 1990; **25:** 309
Doubilet PM; Benson CB; Silverman SG; et al: penis, Semin US CT MR 1991; **12:** 157
Doucet D See **Meyer D**
Doucet M See **Buy J-N**
Doudet DJ; McLellan CA; Aigner TG; et al: postinjection L-phenylalanine increases basal ganglia contrast in PET scans of 6-^{18}F-DOPA, J Nucl Med 1991; **32:** 1408
Douek P; Bertrand Y; Tran-Minh VA; et al: primary lymphoma of the CNS in an infant with AIDS: imaging findings, AJR 1991; **156:** 1037
Douek PC; Leon MB; Geschwind H; Cook PS; Selzer P; Miller DL; Bonner RF: occlusive peripheral vascular disease: a multicenter trial of fluorescence-guided, pulsed dye laser-assisted balloon angioplasty, Radiology 1991; **180:** 127
Dougherty L See **Axel L**
Dougherty L See **Carvlin MJ**
Dougherty SP See **Palmaz JC**
Doughty D See **Plowman PN**
Doughty D See **Thomson ES**
Douglas M; Sistrom CL: chicken bone lodged in the upper esophagus: CT findings, Gastrointest Radiol 1991; **16:** 11
Douglass EC See **Pao WJ**
Douillard J-Y See **Laborda J**
Douple EB See **O'Hara JA**
Dousset V; Grenier N; Douws C; Senuita P; Sassouste G; Ada L; Potaux L: hemodialysis grafts: color Doppler flow imaging correlated with digital subtraction angiography and functional status, Radiology 1991; **181:** 89
Dousset V; Wehrli FW; Louie A; Listerud J: popliteal artery hemodynamics: MR imaging—US correlation, Radiology 1991; **179:** 437
Doust B See **Lovett I**
Doust BD See **Loneragan R**
Douws C See **Dousset V**
Douws C See **Grenier N**
Dow J See **Page JE**
Dow RW See **Dacey LJ**
Dowd CF See **Barnwell SL**
Dowd CF See **Halbach VV**
Dowd CF See **Higashida RT**
Dowd CF; Halbach VV; Barnwell SL; et al: transfemoral venous embolization of vein of Galen malformations, AJNR 1990; **11:** 643
Dowd MT; Chen C-T; Wendel MJ; et al: radiation dose to the bladder wall from 2-[^{18}F] fluoro-2-deoxy-D-glucose in adult humans, J Nucl Med 1991; **32:** 707
Dowdle SC; Human DG; Mann MD: pulmonary ventilation and perfusion abnormalities and ventilation perfusion imbalance in children with pulmonary atresia or extreme Tetralogy of Fallot, J Nucl Med 1990; **31:** 1276
Dowlatshahi K; Gent HJ; Schmidt R; Jokich PM; Bibbo M; Sprenger E: nonpalpable breast tumors: diagnosis with stereotaxic localization and fine-needle aspiration, Radiology 1989; **170:** 427
Dowlatshahi K; Yaremko ML; Kluskens LF; Jokich PM: nonpalpable breast lesions: findings of stereotaxic needle-core biopsy and fine-needle aspiration cytology, Radiology 1991; **181:** 745
Dowling EA See **Dowling K**
Dowling K; Hutto RL; Dowling EA: sternal mass in a patient with Paget's disease, Invest Radiol 1991; **26:** 615
Dowling SW; Peschel RE; Portlock CS; et al: mediastinal irradiation in combined modality therapy for Hodgkin's disease, Int J Radiat Oncol Biol Phys 1990; **19:** 543
Down JD; Berman AJ; Warhol M; et al: late tissue-specific toxicity of total body irradiation and busulfan in a murine bone marrow transplant model, Int J Radiat Oncol Biol Phys 1989; **17:** 109
Downes MO See **Bennett IC**
Downey DB See **Towers MJ**
Downey DB; Towers MJ; Poon PY; et al: pneumoperitoneum with catamenial pneumothorax, AJR 1990; **155:** 29
Downey DB; Wilson SR: pseudomembranous colitis: sonographic features, Radiology 1991; **180:** 61
Downey DJ; Simkin PA; Mack LA; et al: tibialis posterior tendon rupture: a cause of rheumatoid flat foot, (ab), Radiology 1989; **170:** 588
Downey GO See **Potish RA**
Downey M See **Nguyen KT**
Downing GJ; Yarlagadda AP; Maulik D: comparison of the pulsatility index and input impedance parameters in a model of altered hemodynamics, J Ultrasound Med 1991; **10:** 317
Dowsett DJ See **Lee MJ**
Dowsett RJ; Fowble B; Sergott RC; et al: results of radiotherapy in the treatment of acromegaly: lack of ophthalmologic complications, Int J Radiat Oncol Biol Phys 1990; **19:** 453
Doy M See **Wada M**
Doyle AJ: demonstration on computed tomography of tracheomalacia in tracheobronchomegaly (Mounier-Kuhn syndrome), Br J Radiol 1989; **62:** 176
Doyle AJ: optic chiasm position on MR images, AJNR 1990; **11:** 553
Doyle M See **Bouchard A**
Doyle M See **Lotan CS**
Doyle M See **Matsuda T**
Doyle M See **Mulligan SA**
Doyle M; Matsuda T; Pohost GM: new acquisition mode for 2D inflow refreshment angiography, Magn Res Med 1991; **18:** 51
Doyle T; King K: percutaneous removal of osteoid osteomas using CT control, Clin Radiol 1989; **40:** 514
Doyle T; Littlejohn G; Miller M; et al: radiographic changes of scleroderma in the hands, Australas Radiol 1990; **34:** 53
Doyle TB See **Hammerman AM**
Doyon D See **Caillet H**
Doyon D See **Sigal R**
Drace JE; Enzmann DR: defining the normal temporomandibular joint: closed-, partially open-, and open-mouth MR imaging of asymptomatic subjects, Radiology 1990; **177:** 67
Drace JE; Young SW; Enzmann DR: TMJ meniscus and bilaminar zone: MR imaging of the substructure—diagnostic landmarks and pitfalls of interpretation, Radiology 1990; **177:** 73
Drage CW See **Tazelaar HD**
Drago J See **Mettlin C**
Drake DG See **Langer LO Jr**
Drake DG: diagnostic imaging in paediatrics, Radiology 1989; **170:** 108
Drake DG; Day DL; Letourneau JG; et al: Doppler evaluation of renal transplants in children: a prospective analysis with histopathologic correlation, AJR 1990; **154:** 785

Drake DG; duCret RP; Day DL; et al: scintigraphic detection of focal biliary obstruction, Clin Nucl Med 1989; **14:** 458
Drake JM See **Martin AJ**
Drane WE See **Camponovo E**
Drane WE; Hanner JS: complete duodenogastric reflux: a scintigraphic sign of significant duodenal pathology, J Nucl Med 1989; **30:** 1568
Drane WE; Johnson DA: sincalide-augmented quantitative hepatobiliary scintigraphy (QHBS): definition of normal parameters and preliminary relationship between QHBS and sphincter of Oddi (SO) manometry in patients suspected of having SO dysfunction, J Nucl Med 1990; **31:** 1462
Drapkin AJ; Rose WS: multicystic acoustic neuroma: case report and differential diagnosis, Acta Radiol 1989; **30:** 7
Drass TA See **Montecalvo RM**
Dravet C See **Peretti P**
Dravid VS; Heyman S: splenic uptake on bone scanning in autoimmune hemolytic anemia, Clin Nucl Med 1990; **15:** 584
Dravid VS; Heyman S: torsion of an undescended testis not detected on testicular imaging, Clin Nucl Med 1991; **16:** 275
Drayer BP See **Bird CR**
Drayer BP See **Dean BL**
Drayer BP See **Johnson PC**
Drayer BP See **Keller PJ**
Drayer BP See **Liu SS**
Drayer BP See **Runge VM**
Drayer BP See **Sze G**
Drayer BP See **Williams KD**
Drayer BP: basal ganglia: significance of signal hypointensity on T2-weighted MR images, Radiology 1989; **173:** 311
Dreazen E; Tessler F; Sarti D; et al: spontaneous resolution of fetal hydrocephalus, J Ultrasound Med 1989; **8:** 155
Drebin RA See **Magid D**
Drebin RA; Magid D; Robertson DD; et al: fidelity of three-dimensional CT imaging for detecting fracture gaps, JCAT 1989; **13:** 487
Dreesen RG See **Becker GJ**
Dreesen RG See **Kopecky KK**
Dreisbach JN See **Sze G**
Dreisbach JN See **Yakes WF**
Dresel SHJ See **Vogl TJ**
Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN: Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Radiology 1991; **179:** 579
Dretler SP: stone fragility: a new therapeutic distinction, (ab), Radiology 1989; **170:** 289
Drevelengas A See **Palasis S**
Drew AC See **Albertyn LE**
Drew JM See **Yuh WTC**
Drewniak JL See **Carnes KI**
Dreyer H-P See **Sass W**
Driedger AA See **Juravsky M**
Driedger AA See **Laurin NR**
Drijkoningen M See **Van Limbergen E**
Driller J See **Lucas BC**
Driscoll D See **Leslie BM**
Driscoll DA: fetal limbs: normal and abnormal, Semin Roentgenol 1991; **26:** 12
Driscoll SG See **Brown DL**
Dritschilo A See **Cumberlin RL**
Dritschilo A See **Torrisi JR**
Dritschilo A See **Zeman RK**
Drobinski M See **Deray G**
Drobnitzky M See **Adam G**
Drobnitzky M See **Wein BB**
Droilshagen LF See **Worrell JA**
Droilshagen LF; Standefer M: dense dermoid cyst of the posterior fossa, AJNR 1991; **12:** 317
Drommer W See **Battenfeld R**
Drose JA; Dennis MA; Thickman D: infection in utero: US findings in 19 cases, Radiology 1991; **178:** 369
Drossman SR; Schiff RG; Kronfeld GD; McNamara J; Leonidas JC: lymphoma of the mediastinum and neck: evaluation with Ga-67 imaging and CT correlation, Radiology 1990; **174:** 171
Droulle P See **Parisot S**
Drugan A; Zador IE; Syner FN; et al: normal ultrasound does not obviate the need for amniocentesis in patients with elevated serum alpha-fetoprotein, (ab), Radiology 1989; **171:** 883
Drum DE See **Parker JA**
Drumm B; Rhoads JM; Stringer DA; et al: peptic ulcer disease in children: etiology, clinical findings, and clinical course, (ab), Radiology 1989; **171:** 592
Druschky K-F See **Hilz M-J**
Druy EM See **Karr SB**
Drzymala RE; Mohan R; Brewster L; et al: dose-volume histograms, Int J Radiat Oncol Biol Phys 1991; **21:** 71
D'Souza VJ See **Zagoria RJ**
Du G See **Wu J**
Duara R See **Chang JY**
Dubbins PA See **Ivory CM**
Dubbins PA See **Jarvis LJ**
Dubbins PA See **Thomas EA**
Duberg A See **Tien RD**
Duberg AC See **Lange RC**
Dubiel JP See **Ahmad M**
Dublin AB See **Tesluk H**
Duboc D See **de Kerviler E**
Duboc D See **Fiorelli M**
Duboc D See **Morvan D**
Dubois B See **Callebaut J**
Dubois F See **Arvieux CC**
Dubois J See **Sebag G**
Dubois J; Cohen L; Brunelle F; et al: modified Blalock Taussig shunt anastomosis in a three month old child with pulmonary stenosis: embolization therapy, Pediatr Radiol 1991; **21:** 198
Dubois JB; Garrigues JM; Pujol H: cancer of the anal canal: report of the experience of 61 patients, Int J Radiat Oncol Biol Phys 1991; **20:** 575
Dubois JB; Saumon-Reme M; Gary-Bobo J; Pourquier H; Pujol H: tumorectomy and radiation therapy in early breast cancer: a report on 392 patients, Radiology 1990; **175:** 867
Dubois JM; Sebag GH; De Prost Y; Teillac D; Chretien B; Brunelle FO: soft-tissue venous malformations in children: percutaneous sclerotherapy with Ethibloc, Radiology 1991; **180:** 195
Dubos JP See **Lemaitre L**
du Boulay EPGH See **Tofts PS**
du Boulay GH; Hawkes S; Lee C-C; et al: comparing the cost of spinal MR with conventional myelography and radiculography, Neuroradiol 1990; **32:** 124
Dubovsky EV See **Russell CD**
Dubowitz LMS See **de Vries LS**
Dubray B See **Arrivé L**
Dubrow J See **Rosen MP**
DuBrow R See **Moulopoulos A**
DuBrow RA See **Lorigan JG**
DuBrow RA; David CL; Libshitz HI; et al: detection of hepatic metastases in breast cancer: the role of nonenhanced and enhanced CT scanning, JCAT 1990; **14:** 366
Duc G See **Boesch C**
Ducatman AM See **Withers BF**
Ducatman AM; Withers BF; Yang WN: smoking and roentgenographic opacities in US Navy asbestos workers, (ab), Radiology 1990; **177:** 291
Ducatman BS See **Hann LE**
Duchek JM See **Wippold FJ II**
Duchesne GM See **Williams MP**
Duchesneau PM See **Wasenko JJ**
Ducimetière P See **Long AL**
Duck FA See **Starritt HC**
Duck FA: output data from European studies, Ultrasound Med Biol 1989; **15:** S61
Duck FA; Starritt HC; ter Haar GR; et al: surface heating of diagnostic ultrasound transducers, Br J Radiol 1989; **62:** 1005
Duckwiler GR See **Dion JE**
Duckwiler GR See **Dresel SHJ**
Duckwiler GR See **Robinson JD**
Duckwiler GR; Dion J; Viñuela F: intravascular microcatheter pressure monitoring: experimental results and early clinical evaluation, AJNR 1990; **11:** 169
Duckwiler GR; Levesque M; Wilson CL; et al: technical note: imaging of MR-compatible intracerebral depth electrodes, AJNR 1990; **11:** 353
Duckwiler GR; Lufkin RB; Hanafee WN: MR-directed needle biopsies, Radiol Clin North Am 1989; **27:** 255
Duckwiler GR; Lufkin RB; Teresi LM; Spickler E; Dion JE; Viñuela F; Bentson JR; Hanafee WN: head and neck lesions: MR-guided aspiration biopsy, Radiology 1989; **170:** 519
duCret RP See **Adkins MC**
duCret RP See **Boudreau RJ**
duCret RP See **Drake DG**
duCret RP See **Engeler CM**
duCret RP See **Halvorsen RA Jr**
duCret RP See **Kuni CC**
duCret RP; Aafedt BC; Griffiths HJ; et al: scintigraphic and radiologic manifestations of yaws, Clin Nucl Med 1990; **15:** 580
duCret RP; Aafedt BC; Steinhorn D; et al: detection of atrial perforation by hepatobiliary scintigraphy, Clin Nucl Med 1990; **15:** 439
duCret RP; Adkins MC; Halvorsen RA Jr; et al: ectopic splenomegaly in Felty's syndrome, Clin Nucl Med 1991; **16:** 160
duCret RP; Adkins MC; Hunter DW; Yedlicka JW; Engeler CM; Castaneda-Zuniga WR; Amplatz K; Sirr SA; Boudreau RJ; Kuni CC; White JG: therapeutic embolization: enhanced radiolabeled monitoring, Radiology 1990; **177:** 571
Duda SH; Karsch KR; Haase KK; Huppert PE; Claussen CD: laser ring catheters in excimer laser angioplasty, Radiology 1990; **175:** 269
Duda SW See **Katzberg RW**
Dudczak R See **Jung M**
Dudczak R See **Minar E**
Duddy MJ; Calder CJ: cystic haemangioma of the spleen: findings on ultrasound and computed tomography, Br J Radiol 1989; **62:** 180
Duddy MJ; Manns RA; Wormald SA: injection rate: a factor in contrast reactions?, Clin Radiol 1990; **41:** 42
Dudiak CM See **Posniak HV**
Dudiak CM; Olson MC; Posniak HV: abnormalities of the azygos system: CT evaluation, Semin Roentgenol 1989; **24:** 47
Dudiak CM; Olson MC; Posniak HV: CT evaluation of congenital and acquired abnormalities of the azygos system, Radiographics 1991; **11:** 233
Dudiak KM; Johnson CD; Stephens DH: primary tumors of the small intestine: CT evaluation, AJR 1989; **152:** 995
Dudley NJ; Lamb MP; Hatfield JA; et al: estimated fetal weight in the detection of the small-for-menstrual-age fetus, JCU 1990; **18:** 387
Duensing R; Fitzsimmons J; Sanford D; et al: continuously variable field of view surface coil, Magn Res Med 1990; **13:** 378
Duerinckx AJ See **Kimme-Smith C**
Duerinckx AJ; Grant EG; Perrella RR; Szeto A; Tessler FN: pulsatile portal vein in cases of congestive heart failure: correlation of duplex Doppler findings with right atrial pressures, Radiology 1990; **176:** 655
Duerk JL See **Murphy WD**
Duerk JL See **Smith AS**
Duerk JL; Hurst GC: fast-scan magnetic resonance—principles and applications, JMRI 1991; **1:** 284
Duewell S See **Schwendener RA**
Duewell S See **von Schulthess GK**
Duewell S; Wüthrich R; Buck A; et al: MRI signal loss due to microcirculation: phantom studies, Magn Res Med 1990; **14:** 347
Duewell S; Wüthrich R; von Schulthess GK; et al: nonionic polyethylene glycol-ferrioxamine as a renal magnetic resonance contrast agent, Invest Radiol 1991; **26:** 50
Duff D See **Shih W-J**
Duff TA See **Graves VB**
Duffis AW See **Ragland RL**
Duffis AW; Weinberg B; Diakoumakis EE: case of cystitis glandularis with associated pelvic lipomatosis: ultrasound evaluation, JCU 1990; **18:** 733
Duffrin HJ See **Goodgold HM**
Duffy P See **Baxter GM**
Dufour BF See **Cornud FE**
Dugal B; Nerdrum H-J: vesicoureteric reflux at the end of renography, Clin Nucl Med 1991; **16:** 364
Duhamel A See **Remy-Jardin M**
Duhaney MO See **Alger JR**
Dühmke E See **Busch M II**
Dühmke E See **Matthaei D**
Dukes M See **Waterton JC**
Dulac O See **Chiron C**
du Lac P; Panuel M; Devred P; et al: MRI of disc space infection in infants and children: report of 12 cases, Pediatr Radiol 1990; **20:** 175
Dumont M; Marchand L; Laroche B; et al: scintigraphic evaluation of renal function after extracorporeal shock-wave lithotripsy, J Canad Assoc Radiol 1990; **41:** 138
Dumontet C; Biron F; Vitrey D; et al: acute silicosis due to inhalation of a domestic product, (ab), Radiology 1991; **181:** 909
Dumoulin CL See **Cline HE**
Dumoulin CL See **Cousins JP**
Dumoulin CL See **Keller PJ**
Dumoulin CL See **Steinberg FL**
Dumoulin CL See **Wagle WA**
Dumoulin CL; Cline HE; Souza SP; et al: three-dimensional time-of-flight magnetic resonance angiography using spin saturation, Magn Res Med 1989; **11:** 35
Dumoulin CL; Souza SP; Darrow RD; et al: method of coronary MR angiography, JCAT 1991; **15:** 705
Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA: simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, JMRI 1991; **1:** 399
Dumoulin CL; Souza SP; Walker MF; et al: three-dimensional phase contrast angiography, Magn Res Med 1989; **9:** 139
Dumoulin CL; Yucel EK; Vock P; et al: two- and three-dimensional phase contrast MR angiography of the abdomen, JCAT 1990; **14:** 779
Dunaway HE Jr See **Lang EK**

Dunbar JS See **Towbin RB**
Dunbar SF; Linggood RM; Doppke KP; et al: conjunctival lymphoma: results and treatment with a single anterior electron field. a lens sparing approach, Int J Radiat Oncol Biol Phys 1990; **19:** 249
Duncan A See **Cobby M**
Duncan A See **Park RHR**
Duncan AO See **Sclafani SJA**
Duncan AW See **Goddard P**
Duncan CP See **Silver SF**
Duncan EG See **Lemaire C**
Duncan JR See **Brown JJ**
Duncan SR See **Lombard CM**
Duncan WJ See **Treacy EP**
Duncker CM; Carrió I; Berná L; et al: radioimmune imaging of bone marrow in patients with suspected bone metastases from primary breast cancer, J Nucl Med 1990; **31:** 1450
Dundas DD See **Page JE**
Dundore RL; Silver PJ; Ezrin AM; et al: effects of iodixanol and iopamidol on hemodynamic and cardiac electrophysiologic parameters in vitro and in vivo, Invest Radiol 1991; **26:** 715
Dungan DH; Seeger LL; Mirra JM: case report 555, Skeletal Radiol 1989; **18:** 385
Dunkley SA See **Lai LC**
Dunlap HJ; Udjus K: atypical leiomyoma arising in an hepatic vein with extension into the inferior vena cava and right atrium, Pediatr Radiol 1990; **20:** 202
Dunlop PRC; Howard GCW: has hyperthermia a place in cancer treatment?, Clin Radiol 1989; **40:** 76
Dunlop R See **Panageas E**
Dunlop RW See **Blickman JG**
Dunn DL See **Longley DG**
Dunn EK See **Vaquer RA**
Dunn EK; Chen PC; Lipschitz SS; et al: testicular scintigraphic findings two to three months after torsion: correlation with sonography and histopathology, Clin Nucl Med 1991; **16:** 37
Dunn EK; Vaquer RA; Strashun AM: attempts at clarification of splenic visualization on reticuloendothelial images: Tc-99m DISIDA compared with heat-denatured Tc-99m RBC imaging, Clin Nucl Med 1990; **14:** 647
Dunn F See **Carnes KI**
Dunn G See **Dawson P**
Dunn G See **Lamki N**
Dunn J; Lin Y; Miller D; et al: stereoisomerism in contrast media: ioversol, Invest Radiol 1990; **25:** S102
Dunn MS See **Shennan AT**
Dunn MS; Shennan AT; Zayack D; et al: bovine surfactant replacement therapy in neonates of less than 30 weeks' gestation: a randomized controlled trial of prophylaxis versus treatment, (ab), Radiology 1991; **181:** 615
Dunne S See **Napel S**
Dunnick NR See **Cohan RH**
Dunnick NR See **Leder RA**
Dunnick NR See **Perlmutt LM**
Dunnick NR See **Roubidoux MA**
Dunnick NR: adrenal imaging: current status, AJR 1990; **154:** 927
Dunnick NR: intravenous digital subtraction renal angiography: use in screening for renovascular hypertension: reply, Radiology 1989; **173:** 283
Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM: genitourinary radiology. RSNA '88 meeting notes, Radiology 1989; **170:** 601
Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL: genitourinary radiology. RSNA '89 meeting notes, Radiology 1990; **174:** 603
Dunnick NR; Bush WH; Choyke PL; Fernbach SK; Hartman DS; Rifkin MD; Roubidoux MA; Sandler CM: genitourinary radiology. RSNA '90 meeting notes, Radiology 1991; **178:** 600
Dunnick NR; Illescas FF; Mitchell S; et al: interventional uroradiology, Invest Radiol 1989; **24:** 831
Dunnick NR; Leder RA; Roubidoux MA: percutaneous biopsy of the kidney and adrenal glands, Urol Radiol 1990; **12:** 125
Dunnick NR; Sfakianakis GN: screening for renovascular hypertension, Radiol Clin North Am 1991; **29:** 497
Dunnick NR; Svetkey LP; Cohan RH; Newman GE; Braun SD; Himmelstein SI; Bollinger RR; McCann RL; Wilkinson RH Jr; Klotman PE: intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Radiology 1989; **171:** 219
Dunphy EP; Petersen IA; Cox RS; et al: influence of initial hemoglobin and blood pressure levels on results of radiation therapy for carcinoma of the prostate, Int J Radiat Oncol Biol Phys 1989; **16:** 1173
Dunscombe P: teaching of physics and related courses to residents in radiation oncology, J Canad Assoc Radiol 1989; **40:** 211
Dunscombe PB See **Soubra M**
Dunscombe PB; Fox K: precision of determining compliance with prescribed fields from conventional portal films, Br J Radiol 1989; **62:** 48
Dunseath R; Williams W; Patton D: scintigraphic demonstration of dextrocardia and complete abdominal situs inversus, Clin Nucl Med 1990; **15:** 501
Dunsford HA See **Hazle JD**
Dunst J See **Sauer R**
Dunz D See **Worlicek H**
Dupas J-L See **Delamarre J**
du Peloux Menage HG See **Loveday EJ**
Dupon J See **Brasch RC**
DuPont PG See **Groskin SA**
Dupont RM See **Lamoureux G**
DuPont WD See **Jensen RA**
Dupras G See **Taillefer R**
Duprat G See **Magal C**
Duprat G Jr; Mérette G; Roy P: phentolamine for enhanced visualization of distal arteries in lower extremity arteriography, J Canad Assoc Radiol 1989; **40:** 32
Dupuis MJM; Atrouni S; Dooms GC; et al: MR imaging of schistosomal myelitis, AJNR 1990; **11:** 782
Dupuy D; Costello P; Lewis D; et al: abdominal CT findings after liver transplantation in 66 patients, AJR 1991; **156:** 1167
Dupuy DE; Raptopoulos V; Meyer D; et al: sonographic findings in glomus tumor of the stomach, JCU 1989; **17:** 219
Dupuy JC See **Scherrer A**
Durack L See **Bianco JA**
Durack L See **Eary JF**
Durak H See **Yücel AE**
Duran A See **Martin J**
Durand EP; Rüegsegger P: cancellous bone structure: analysis of high-resolution CT images with the run-length method, JCAT 1991; **15:** 133
Durand L-G See **Allard L**
Durand L-G See **Cloutier G**
Durand RE See **Olive PL**
Durand RE See **Trotter MJ**
Durand RE See **Yan R**
Durand RE: keynote address: the influence of microenvironmental factors on the activity of radiation and drugs, Int J Radiat Oncol Biol Phys 1991; **20:** 253
Durand RE; Vanderbyl SL: sequencing radiation and adriamycin exposures in spheroids to maximize therapeutic gain, Int J Radiat Oncol Biol Phys 1989; **17:** 345
Durand-Zaleski I; Moreau J-F; Blum-Boisgard C: radiology in the French health-care system, Invest Radiol 1990; **25:** 1246
Duray P See **Barnes M**
Durci ML; Komaki R; Oswald MJ; et al: comparison of surgery and radiation therapy for non-small cell carcinoma of the lung with mediastinal metastasis, Int J Radiat Oncol Biol Phys 1991; **21:** 629
Durguner M See **Demirci M**
Durham JD See **Chomyn JJ**
Durham JD See **Kumpe DA**
Durham JD See **McGuinness G**
Durham JD; Geller SC; Abbott WM; Shapiro H; Waltman AC; Walker TG; Brewster DC; Athanasoulis CA: regional infusion of urokinase into occluded lower-extremity bypass grafts: long-term clinical results, Radiology 1989; **172:** 83
Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G: Dieulafoy disease: arteriographic findings and treatment, Radiology 1990; **174:** 937
Durham JD; Kumpe DA; Van Stiegmann G; Goff JS; Subber SW; Rothbarth LJ: direct catheterization of the mesenteric vein: combined surgical and radiologic approach to the treatment of variceal hemorrhage, Radiology 1990; **177:** 229
Durham JD; Van Stiegmann G: treatment of variceal hemorrhage: reply, Radiology 1991; **179:** 286
Durie PR See **Manson DE**
Durie PR See **Weizman Z**
Durif F; Hommel M; Bennani W; et al: magnetic resonance imaging in ischaemic accidents of the brain stem, J Neuroradiol 1989; **16:** 25
Durizch ML See **Littleton JT**
Durosinmi-Etti F See **Nofal M**
Durosinmi-Etti FA: overview of cancer management by radiotherapy in anglophone West Africa, Int J Radiat Oncol Biol Phys 1990; **19:** 1263
Dürr W; Rauch S: dual-frequency circularly polarizing whole-body MR antenna for 69/170 MHz, Magn Res Med 1991; **19:** 446
Durrance FY See **McGahan RA**
Durski K See **Civelek AC**
Durst-Zivković B See **Sarajlić M**
Durwen HF See **Grünwald F**
Dusenbery KE See **Potish RA**
Dussault RG See **Chalaoui J**
Dussault RG See **Miron M-C**
Dussault RG See **Morency G**
Dussault RG; Lander PH: imaging of the facet joints, Radiol Clin North Am 1990; **28:** 1033
Dussault RG; Samson L; Fortin M-T: plain-film diagnosis of joint disease, J Canad Assoc Radiol 1991; **42:** 87
Dutheil-Desclercs C See **Missir O**
du Toit JP See **Smit BJ**
Dutt PL See **Moore DE**
Dutta T See **Buxi TBS**
Dutton SC; Plowman PN: paediatric haemangiomas: the role of radiotherapy, Br J Radiol 1991; **64:** 261
Duus BR; Boeckstyns M; Stadeager C: natural course of radionuclide bone scanning in the evaluation of total knee replacement–a 2 year prospective study, Clin Radiol 1990; **41:** 341
Duvauferrier R See **Frocrain L**
Duvernoy H See **Sedat J**
Duvernoy O; Larsson SG; Persson K; et al: pericardial effusion and pericardial compartments after open heart surgery: an analysis by computed tomography and echocardiography, Acta Radiol 1990; **31:** 41
Duvernoy O; Malm T; Thuomas K-Å; et al: CT and MR evaluation of pericardial and retrosternal adhesions after cardiac surgery, JCAT 1991; **15:** 555
Duvoisin B See **Dey C**
Duvoisin B; Agrifoglio A: prevalence of ethmoid sinus abnormalities on brain CT of asymptomatic adults, AJNR 1989; **10:** 599
Duvoisin B; Klaus E; Schnyder P: coronal radiographs and videofluoroscopy improve the diagnostic quality of temporomandibular joint arthrography, AJR 1990; **155:** 105
Duwelius PJ See **Nelson DW**
Dvorak AD See **Hilgers TW**
Dwarakanathan AA; Ryan WG; Staren ED; et al: fine-needle aspiration biopsy of the thyroid: diagnostic accuracy when performing a moderate number of such procedures, (ab), Radiology 1990; **175:** 295
Dwarkanath BS; Jain VK: energy linked modifications of the radiation response in a human cerebral glioma cell line, Int J Radiat Oncol Biol Phys 1989; **17:** 1033
Dweck E See **Alavi A**
Dworkin H See **Tech KE**
Dworkin HJ See **Culver CM**
Dworkin HJ See **Freitas JE**
Dworkin HJ See **Wagman PG**
Dworzanin LM See **Lawrence TS**
Dwyer AJ See **Black WC**
Dwyer AJ See **Choyke PL**
Dwyer AJ See **Frucht H**
Dwyer AJ See **Reinig JW**
Dwyer AJ: matchmaking and McNemar in the comparison of diagnostic modalities, Radiology 1991; **178:** 328
Dwyer AJ: time and disease: the fourth dimension of radiology, Radiology 1989; **173:** 17
Dwyer SJ III See **Arenson RL**
Dwyer SJ III See **Batnitzky S**
Dwyer SJ III See **Cox GG**
Dwyer SJ III See **Fraser RG**
Dwyer SJ III See **Lee KR**
Dwyer SJ III See **Murphey MD**
Dwyer SJ III See **Stewart BK**
Dwyer SJ III; Batnitzky S; Templeton AW: teleradiology: costs of hardware and communications, AJR 1991; **156:** 1279
Dydek GJ See **Blue PW**
Dye SF See **Rothschild PA**
Dyer RB See **Zagoria RJ**
Dyer RB; Gilpin JW; Zagoria RJ; Chen MYM; Case LD: vicarious contrast material excretion in patients with acute unilateral ureteral obstruction, Radiology 1990; **177:** 739
Dyer SM See **Links JM**
Dyet JF See **Cook AM**
Dyet JF; Carter EC; Hartley WC: comparison of iopromide and iopamidol in left ventricular angiography and in coronary angiography, Br J Radiol 1990; **63:** 700
Dyet JF; Hartley WC; Galloway JMD; et al: outpatient arteriography—a safe and practical proposition?, Clin Radiol 1990; **42:** 114
Dyke C; Lyons EA; Cheang M: in utero exposure to diagnostic US: reply, Radiology 1989; **170:** 573
Dyke CH; Toi A; Sweet JM: value of random US-guided transrectal prostate biopsy, Radiology 1990; **176:** 345
Dyne M See **Mountford CE**
Dyreborg U See **Rasmussen F**
Dyson M See **Young SR**
Dyste GN See **Beck DW**
Dziubinski JE See **Molgaard CP**

E

Eagan RT See **Robinow JS**
Eames FA See **von Roemeling R**
Earle CM See **Glancy JJ**
Earle JD See **Smalley SR**
Earley L See **Leavitt DD**
Earnshaw JJ; Hopkinson BR; Makin GS: acute critical ischaemia of the limb: a prospective evaluation, (ab), JVIR 1991; **2:** 288
Earwaker J: isolated avulsion fracture of the lesser tuberosity of the humerus, Skeletal Radiol 1990; **19:** 121
Eary JF: correlative imaging in radioimmunotherapy, Invest Radiol 1991; **26:** 755
Eary JF; Durack L; Williams D; et al: considerations for imaging Re-188 and Re-186 isotopes, Clin Nucl Med 1990; **15:** 911
Eary JF; Press OW; Badger CC; et al: imaging and treatment of B-cell lymphoma, J Nucl Med 1990; **31:** 1257
Eary JF; Schroff RW; Abrams PG; et al: successful imaging of malignant melanoma with technetium-99m-labeled monoclonal antibodies, J Nucl Med 1989; **30:** 25
Easley JD See **Pryzant RM**
Easter DW: surgeon's perspective on laparoscopic cholecystectomy, AJR 1991; **157:** 241
Eastman RM See **Steidley KD**
Eastridge BJ See **Burgess AR**
Eaton S; Tsay HM; Yost F; et al: assays for plasma complement activation by x-ray contrast media, Invest Radiol 1990; **25:** 789
Eatough JP See **Richardson RB**
Ebara M; Watanabe S; Kita K; Yoshikawa M; Sugiura N; Ohto M; Kondo F; Kondo Y: MR imaging of small hepatocellular carcinoma: effect of intratumoral copper content on signal intensity, Radiology 1991; **180:** 617
Ebbs SR See **Baum M**
Ebbs SR See **Fraser SCA**
Ebbs SR; Saunders JA; Graham H; et al: advanced breast cancer: a randomised trial of epidoxorubicin at two different dosages and two administration systems, Acta Oncol 1989; **28:** 887
Ebeling U; Steinmetz H; Huang Y; et al: topography and identification of the inferior precentral sulcus in MR imaging, AJNR 1989; **10:** 937
Ebeling U; Steinmetz H; Huang Y; et al: topography and identification of the inferior precentral sulcus in MR imaging, AJR 1989; **153:** 1051
Eberenz W; Rosenberg HK; Moshang T; Chatten J; Keating MA: true hermaphroditism: sonographic demonstration of ovotestes, Radiology 1991; **179:** 429
Eberl S See **Keogh AM**
Ebersold MJ See **Nesbit GM**
Ebihara S See **Ono I**
Ebisu T; Naruse S; Horikawa Y; Tanaka C; Higuchi T: nonacute subdural hematoma: fundamental interpretation of MR images based on biochemical and in vitro MR analysis, Radiology 1989; **171:** 449
Ebisuno S; Aoshi H; Ohkawa T: nephrectomy *in situ*: treatment of ureteral fistula due to progressive malignancy, Urol Radiol 1989; **11:** 102
Eble JN See **Kopecky KK**
Ebner F See **Einspieler R**
Ebner F See **Hausegger KA**
Ebner F See **Ranner G**
Ebner F; Millner MM; Justich E: multiple sclerosis in children: value of serial MR studies to monitor patients, AJNR 1990; **11:** 1023
Ebner F; Ranner G; Slavc I; et al: MR findings in methotrexate-induced CNS abnormalities, AJNR 1989; **10:** 959
Ebner F; Ranner G; Slavc I; et al: MR findings in methotrexate-induced CNS abnormalities, AJR 1989; **153:** 1283
Ebraheim NA See **Zeiss J**
Echenagusia A See **Camúñez F**
Eckardt JJ See **Crim JR**
Eckardt JJ See **Ostlere SJ**
Eckardt JJ See **Seeger LL**
Eckelman WC See **Hwang D-R**
Eckelman WC: diagnostic isotopes: prospects for improved agents, Invest Radiol 1989; **24:** 252
Eckhauser F See **Vinik AI**
Eckhauser FE See **Wheatley MJ**
Ecoiffier J See **Buy J-N**
Economidou-Karaoglou A; Opsomer M; Lans M; et al: predictive value of serum alkaline DNase activity variations in treatment of head and neck cancer, Acta Oncol 1990; **29:** 163
Economopoulos GC; Lewis JW Jr; Lee MW; et al: carcinoid tumors of the thymus, (ab), Radiology 1991; **179:** 884
Econs MJ; Feussner JR; Samsa GP; et al: X-linked hypophosphatemic rickets without "rickets", Skeletal Radiol 1991; **20:** 109
Eddleston B See **Chippindale AJ**
Eddleston B See **Taylor PM**
Eddy DM See **Melton LJ III**
Eddy DM: screening for lung cancer, (ab), Radiology 1990; **174:** 586
Eddy RJ: cost-effectiveness of CT scanning compared with mediastinoscopy in the preoperative staging of lung cancer, J Canad Assoc Radiol 1989; **40:** 189
Edeiken BS See **Ferris EJ**
Edeiken J See **Edeiken-Monroe B**
Edeiken J See **Raymond AK**
Edeiken-Monroe B; Edeiken J; Jacobson HG: osteosarcoma, Semin Roentgenol 1989; **24:** 153
Edeiken-Monroe B; Edeiken J; Kim EE: radiologic concepts of lymphoma of bone, Radiol Clin North Am 1990; **28:** 841
Edelman BA See **Rothstein SG**
Edelman GM See **Alexander MSM**
Edelman JM See **Miller WT Jr**
Edelman MA; Mitty HA; Dan SJ; et al: angiomyolipoma: postembolization liquefaction and percutaneous drainage, Urol Radiol 1990; **12:** 145
Edelman RR See **Atkinson DJ**
Edelman RR See **Boyko OB**
Edelman RR See **Chien D**
Edelman RR See **Finn JP**
Edelman RR See **Hesselink JR**
Edelman RR See **Kent KC**
Edelman RR See **Kim D**
Edelman RR See **McLoud TC**
Edelman RR See **Mattle HP**
Edelman RR See **Saini S**
Edelman RR See **Wallner BK**
Edelman RR See **Wentz KU**
Edelman RR; Chien D; Atkinson DJ; Sandstrom J: fast time-of-flight MR angiography with improved background suppression, Radiology 1991; **179:** 867
Edelman RR; Chien D; Kim D: fast selective black blood MR imaging, Radiology 1991; **181:** 655
Edelman RR; Manning WJ; Burstein D; Paulin S: coronary arteries: breath-hold MR angiography, Radiology 1991; **181:** 641
Edelman RR; Mattle HP; Atkinson DJ; et al: MR angiography, AJR 1990; **154:** 937
Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J: cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Radiology 1990; **176:** 211
Edelman RR; Mattle HP; Kleefield J; Silver MS: quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Radiology 1989; **171:** 551
Edelman RR; Mattle HP; Wallner B; Bajakian R; Kleefield J; Kent C; Skillman JJ; Mendel JB; Atkinson DJ: extracranial carotid arteries: evaluation with "black blood" MR angiography, Radiology 1990; **177:** 45
Edelman RR; Siegel JB; Singer A; et al: dynamic MR imaging of the liver with Gd-DTPA: initial clinical results, AJR 1989; **153:** 1213
Edelman RR; Wallner B; Singer A; Atkinson DJ; Saini S: segmented turboFLASH: method for breath-hold MR imaging of the liver with flexible contrast, Radiology 1990; **177:** 515
Edelman RR; Wentz KU; Mattle HP; O'Reilly GV; Candia G; Liu CP; Zhao B; Kjellberg RN; Davis KR: intracerebral arteriovenous malformations: evaluation with selective MR angiography and venography, Radiology 1989; **173:** 831
Edelman RR; Wentz KU; Mattle HP; Zhao B; Liu C; Kim D; Laub G: projection arteriography and venography: initial clinical results with MR, Radiology 1989; **172:** 351
Edelman RR; Zhao B; Liu CP; et al: MR angiography and dynamic flow evaluation of the portal venous system, AJR 1989; **153:** 755
Edelson C See **Struhl S**
Edelstein G: communication problems after mammographic screening, Radiology 1989; **173:** 879
Edelstein WA See **Roemer PB**
Edelstone DI See **Belfar H**
Eden BV See **Shaw de Paredes E**
Edge SB See **de Lange EE**
Edgerton ER See **Tsui BMW**
Edgerton SM See **Thor AD**
Edgerton VR See **Shellock FG**
Edland RW See **Hanks GE**
Edmiston RB See **Hopper KD**
Edmonds EW See **Hynes DM**
Edmonds PD: AIUM's position on reporting parameters of bioeffects experiments, Ultrasound Med Biol 1989; **15:** S79
Edmonds PR See **Friedman AC**
Edmonds PR See **Ross LV**
Edmundowicz SA See **Picus D**
Edmunds AT See **Hendry GMA**
Edmundson GK See **Clarke DH**
Edney J See **Haire WD**
Edwards CW See **Morgan MDL**
Edwards D See **George PJM**
Edwards DI See **Dale LD**
Edwards DK See **Pattarelli P**
Edwards DK III See **Levine D**
Edwards DK III See **Rubin GD**
Edwards DS See **Orlandi C**
Edwards F See **Benedikt RA**
Edwards FH See **Cohen AJ**
Edwards JA See **Williams JA**
Edwards JM; Coldwell DM; Goldman ML; et al: role of duplex scanning in the selection of patients for transluminal angioplasty, (ab), Radiology 1991; **179:** 887
Edwards M See **Aoki S**
Edwards M See **Bree RL**
Edwards M See **Raghavan N**
Edwards M: AAPM tutorial: development of radiation protection standards, Radiographics 1991; **11:** 699
Edwards ME; Harris RD; Spiegel PK: offset electrocardiographic electrode simulating a pulmonary nodule on radiographs, Radiology 1989; **172:** 281
Edwards MG; Wesolowski D; Matasar K: imaging of the absent cervical pedicle, Skeletal Radiol 1991; **20:** 325
Edwards MK See **Koch KJ**
Edwards MSB See **Barkovich AJ**
Edwards MSB See **Hudgins RJ**
Edwards MSB See **Linstadt DE**
Edwards MSB See **Tien RD**
Edwards RHT See **Smith SR**
Edwards WD See **Garratt KN**
Edwards WD See **Nishimura RA**
Edwards WD See **Schwartz RS**
Edwards WJ See **Pace RF**
Edwards-Freeman C; Amin HK; Abiri M; et al: use of intraoperative ultrasonography in the surgical correction of a transverse vaginal septum, JCU 1991; **19:** 48
Ee BK See **Chia BL**
Eeles R See **Olliff JFC**
Eelkema E See **Horton JA**
Eelkema E; Johnson DW; Latchaw RE: multiple spinal granulocytic sarcomas simulating neurofibromatosis, AJNR 1989; **10:** 542
Eelkema EA See **Cooperstein LA**
Eelkema EA; Curtin HD: congenital anomalies of the temporal bone, Semin US CT MR 1989; **10:** 195
Efange SMN: radiopharmacy and radiopharmacology yearbook, Radiology 1989; **173:** 340
Efange SMN: synthesis and applications of isotopically labelled compounds, Radiology 1990; **176:** 438
Effersøe H; Rosenkilde P; Groth S; et al: measurement of renal function with iohexol: a comparison of iohexol, ^{99m}Tc-DTPA, and ^{51}Cr-EDTA clearance, Invest Radiol 1990; **25:** 778
Effmann EL See **Optican RJ**
Effmann EL See **Uglietta JP**
Eftekhari F See **David R**
Eftekhari F See **Fornage BD**
Eftekhari F See **Stewart RR**
Eftekhari F; Erly WK; Jaffe N: malignant rhabdoid tumor of the kidney: imaging features in two cases, Pediatr Radiol 1990; **21:** 39
Eftekhari F; Jaffe N; Schwegel D; et al: inflammatory metachronous hyperostosis of the clavicle and femur in children: report of two cases, one with long-term follow-up, Skeletal Radiol 1989; **18:** 9
Eftekhari F; Peuchot M: thyroid metastases: combined role of ultrasonography and fine needle aspiration biopsy, JCU 1989; **17:** 657
Egami H See **Uchino A**
Egan G See **Fox RA**
Egan JD See **Trabucco AF**
Egashira K; Nakata H; Hashimoto O; et al: MR imaging of adult glomerulocystic kidney disease: a case report, Acta Radiol 1991; **32:** 251
Egawa S See **Ono I**
Egawa S See **Tokita N**
Egbert PR See **Smith LM**
Egelhoff J See **Myers TV**
Egelhoff JC See **Gallet BL**
Egelhoff JC See **Hubbard AM**
Egelhoff JC; Beatty EC Jr: primary B-cell lymphoma of the CNS in an infant, Pediatr Radiol 1989; **19:** 204
Egerdie RB See **Klotz LH**
Egerszegi EP; Babyn P; Zuker RM: ultrasound for the repeated localization of a soft tissue expander injection port in a pediatric patient, J Ultrasound Med 1990; **9:** 111
Egger MJ See **McNeely LK**
Eggers DM See **Rice JF**
Eggers PC See **Sherer DM**
Eggerstedt J See **Giyanani VL**
Eggert P; Debus F; Kreller-Laugwitz G; et al: densitometric measurement of renal echogenicity in infants and naked eye evaluation: a comparison, Pediatr Radiol 1991; **21:** 111

Eggleston JC See **Magid D**
Eggli KD See **Björgvinsson E**
Eggli KD See **Loyer E**
Eggli KD See **Mandell MJ**
Eggli KD: radiographic observations of subtalar joint effusion in two children, Skeletal Radiol 1989; **18:** 207
Egglin TK See **Jaramillo D**
Egglin TK See **Lee MJ**
Egglin TK See **Littrup PJ**
Egglin TK See **Yucel EK**
Egglin TK: current practice of interventional radiology, JVIR 1991; **2:** 324
Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT: hepatic tumors: quantitative tissue characterization with MR imaging, Radiology 1990; **176:** 107
Eglinton GS See **Thomas RL**
Eguchi T See **Kato T**
Eguchi T See **Tokumaru A**
Egund N; Wingstrand H: Legg-Calvé-Perthes disease: imaging with MR, Radiology 1991; **179:** 89
Egund N; Wingstrand H: pitfalls in ultrasonography of hip joint synovitis in the child, Acta Radiol 1989; **30:** 375
Ehara N See **Imanishi Y**
Ehara S See **Kattapuram SV**
Ehara S See **Khurana JS**
Ehara S See **Sasaki M**
Ehara S; El-Khoury GY; Bergman RA: target pedicle of T-12: radiologic-anatomic correlation, Radiology 1990; **174:** 871
Ehara S; Kattapuram SV; Khurana JS; et al: case report 551, Skeletal Radiol 1989; **18:** 329
Ehara S; Kattapuram SV; Rosenberg AE: case report 619, Skeletal Radiol 1990; **19:** 375
Ehara S; Kattapuram SV; Rosenberg AE: giant bone island: computed tomography findings, Clin Imag 1989; **13:** 231
Ehara S; Khurana JS; Kattapuram SV; et al: osteolytic lesions of the patella, AJR 1989; **153:** 103
Ehara S; Khurana JS; Kattapuram SV: pyogenic vertebral osteomyelitis of the posterior elements, Skeletal Radiol 1989; **18:** 175
Ehara S; Nakasato T; Tamakawa Y; et al: MRI of myositis ossificans circumscripta, Clin Imag 1991; **15:** 130
Ehara S; Rosenberg AE; El-Khoury GY: sacral cysts with exophytic components: a report of two cases, Skeletal Radiol 1990; **19:** 117
Ehara S; Tokunaga S; Monma N; et al: case report 675, Skeletal Radiol 1991; **20:** 319
Ehman RL See **Berquist TH**
Ehman RL See **Binkovitz LA**
Ehman RL See **Brown DG**
Ehman RL See **Bryan RN**
Ehman RL See **Felmlee JP**
Ehman RL See **Holsinger-Bampton AE**
Ehman RL See **Huston J III**
Ehman RL See **Johnson CD**
Ehman RL See **Julsrud PR**
Ehman RL See **Korin HW**
Ehman RL See **Larson TC III**
Ehman RL See **Lodes CC**
Ehman RL See **Lund JT**
Ehman RL See **Riederer SJ**
Ehman RL See **Swensen SJ**
Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR: magnetic resonance: RSNA '90 meeting notes, Radiology 1991; **178:** 907
Ehman RL; Felmlee JP: adaptive technique for high-definition MR imaging of moving structures, Radiology 1989; **173:** 255
Ehman RL; Felmlee JP: flow artifact reduction in MRI: a review of the roles of gradient moment nulling and spatial presaturation, Magn Res Med 1990; **14:** 293
Ehrenberg L; Ekman G; Svensson Å: epidemiological studies of geographic variations of cancer incidence in Sweden: choice of variables and statistical units, Acta Oncol 1990; **29:** 961
Ehrenkranz RA See **Gladstone IM**
Ehrhardt GJ See **Volkert WA**
Ehrhardt JC See **Fleagle SR**
Ehrhardt JC See **Swayze VW II**
Ehrhardt JC See **Yuh WTC**
Ehricke H-H; Laub G: integrated 3D display of brain anatomy and intracranial vasculature in MR imaging, JCAT 1990; **14:** 846
Ehringer H See **Jung M**
Ehringer H See **Minar E**
Ehrlich P See **Friedman DM**
Ehrlich S See **Karasick S**
Ehrlich SM See **Feig SA**
Ehrlich SM See **Gross GW**
Ehrlich SM See **Haus AG**
Ehrlich SM See **Rifkin MD**
Ehrlich SM See **Rubin DA**
Ehrman KO See **Becker GJ**
Ehrman KO See **Elson JD**
Ehrman KO See **Rees CR**
Eibenberger K See **Dock W**
Eich GF; Babyn P; Armstrong D; et al: unusual case of craniofacial fibrous dysplasia presenting in early infancy, Pediatr Radiol 1990; **20:** 495
Eich GF; Silver MM; Weksberg R; Daneman A; Costa T: Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Radiology 1991; **181:** 183
Eichelberger MR See **Bulas DI**
Eichelberger MR See **Sivit CJ**
Eichelberger MR See **Taylor GA**
Eichenfield AH See **Goldsmith DP**
Eichhorn EJ See **Popma JJ**
Eichling J See **Grigsby PW**
Eick JJ See **Freedy RM**
Eidelman EM See **Litt AW**
Eidson M See **Williamson MR**
Eidt JF See **McCowan TC**
Eidt JF See **Miller SF**
Eidt JF; Fry RE; Clagett GP; et al: postoperative follow-up of renal artery reconstruction with duplex ultrasound, (ab), Radiology 1989; **172:** 294
Eidus LB See **Rasuli P**
Eiermann W See **Heywang SH**
Eife R See **Schneider K**
Eifel PJ See **Menache L**
Eifel PJ; Sampson CM; Tucker SL: radiation fractionation sensitivity of epiphyseal cartilage in a weanling rat model, Int J Radiat Oncol Biol Phys 1990; **19:** 661
Eiho S See **Kuwahara M**
Eijkenboom WMH See **Pop LAM**
Eijpe AA; Koornneef L; Verbeeten B; et al: cholesterol granuloma of the frontal bone: CT diagnosis, JCAT 1990; **14:** 914
Eikelboom BC See **Odink HF**
Eikelboom BC See **Teeuwen C**
Eikens PH See **Robinson JD**
Eilbert JL; Gallistel CR; McEachron DL: variation in user drawn outlines on digital images: effects on quantitative autoradiography, Comput Med Imag Graph 1990; **14:** 331
Eilenberg SS See **Brown JJ**
Eilenberg SS See **Mirowitz SA**
Eilenberg SS; Lee JKT; Brown JJ; Mirowitz SA; Tartar VM: renal masses: evaluation with gradient-echo Gd-DTPA–enhanced dynamic MR imaging, Radiology 1990; **176:** 333
Eilenberger M See **Kainberger FM**
Ein SH See **Berman LH**
Ein SH See **Stringer DA**
Einhorn J: cancer by the year 2000: educational requirements for future oncologists, Acta Oncol 1989; **28:** 723
Einhorn L: can prenatal irradiation protect the embryo from tumor development?, Acta Oncol 1991; **30:** 291
Einhorn N See **Moberger B**
Einhorn N See **Sahni K**
Einhorn N; Knapp RC; Bast RC; et al: CA 125 assay used in conjunction with CA 15-3 and TAG-72 assays for discrimination between malignant and non-malignant diseases of the ovary, Acta Oncol 1989; **28:** 655
Einhorn N; Ling P; Secher D; et al: treatment of advanced condylomata acuminata with semi-purified and purified human leukocyte interferon, Acta Oncol 1991; **30:** 343
Einig M; Higer HP; Meairs S; et al: magnetic resonance imaging of the craniocervical junction in rheumatoid arthritis: value, limitations, indications, Skeletal Radiol 1990; **19:** 341
Einspieler R See **Flueckiger FM**
Einspieler R See **Lammer J**
Einspieler R; Ebner F; Posawetz W; et al: MR-imaging with Gd-DTPA in carcinomas of tongue, oro- and hypopharynx, Eur J Radiol 1991; **13:** 21
Einstein DM See **Desai RK**
Einstein DM; Singer AA; Chilcote WA; Desai RK: abdominal lymphadenopathy: spectrum of CT findings, Radiographics 1991; **11:** 457
Einstein DM; Tagliabue JR; Desai RK: abdominal desmoids: CT findings in 25 patients, AJR 1991; **157:** 275
Eisen HE See **Barzilai B**
Eisen HJ See **Weiss D**
Eisen JK See **Szumowski J**
Eisen RN See **Ghidini A**
Eisenberg AD See **Moore DE**
Eisenberg AD; Conturo TE; Price RR; et al: MRI enhancement of perfused tissues using chromium labeled red blood cells as an intravascular contrast agent, Invest Radiol 1989; **24:** 742
Eisenberg AD; Winfield AC; Page DL; Holburn GE; Schifter T; Segars JH: peritoneal reaction resulting from iodinated contrast material: comparative study, Radiology 1989; **172:** 149
Eisenberg B See **Arrington ER**
Eisenberg B See **Steinhart JM**
Eisenberg B See **Williamson MR**
Eisenberg B; Owens D; Stewart DL; et al: PYP Maalox® localization in liver and spleen, Clin Nucl Med 1989; **14:** 636
Eisenberg B; Powe JE; Alavi A: cold defects in In-111 labeled leukocyte imaging of osteomyelitis in the axial skeleton, Clin Nucl Med 1991; **16:** 103
Eisenberg B; Tzamaloukas AH; Hartshorne MF; et al: periarticular tumoral calcinosis and hypercalcemia in a hemodialysis patient without hyperparathyroidism: a case report, J Nucl Med 1990; **31:** 1099
Eisenberg B; Tzamaloukas AH; Murata GH; et al: factors affecting bone mineral density in elderly men receiving chronic in-center hemodialysis, Clin Nucl Med 1991; **16:** 30
Eisenberg B; Velchik MG; Gefter WB; et al: multimodality imaging of a pancreatic transplant: a case report, Clin Nucl Med 1990; **15:** 507
Eisenberg D See **Hardoff R**
Eisenberg JM; Schwartz JS; McCaslin FC; et al: substituting diagnostic services: new tests only partly replace older ones, (ab), Radiology 1990; **175:** 295
Eisenberg P See **Cohen HL**
Eisenberg RL See **Goodman PC**
Eisenberg RL See **Margulis AR**
Eisenberg RL See **Parvey HR**
Eisenberg RL; Goodman PC: countdown to discovery, AJR 1991; **156:** 944
Eisenberg RL; Margulis AR: radiologic history exhibit: brief history of gastrointestinal radiology, Radiographics 1991; **11:** 121
Eisenberger M See **Jacobs MC**
Eisenbrand G; Berger MR; Brix HP; et al: nitrosoureas: modes of action and perspectives in the use of hormone receptor affine carrier molecules, Acta Oncol 1989; **28:** 203
Eisenstain B See **Stark H**
Eisenstein MM See **Grant TH**
Eising EG; Reiser MF; Vassallo P; et al: cystic pelvic mass in a patient having recurrent carcinoma of the cervix, Invest Radiol 1990; **25:** 205
Eisman JA See **Sambrook PN**
Eisner DJ; Goldman SM; Petronis J; et al: bilateral testicular infarction caused by epididymitis, AJR 1991; **157:** 517
Eissenstat R See **Vade A**
Ejlertsen B See **Kamby C**
Ekberg H See **Lundstedt C**
Ekberg H See **Persson BG**
Ekberg O See **Bååth L**
Ekberg O See **Borgström PS**
Ekberg O See **Feinberg MJ**
Ekberg O See **Karstoft J**
Ekberg O See **Levine MS**
Ekberg O See **Wong K**
Ekberg O; Abrahamsson P-A; Kesek P: inguinal hernia in urological patients: the value of herniography, (ab), Radiology 1989; **170:** 289
Ekberg O; Feinberg MJ: altered swallowing function in elderly patients without dysphagia: radiologic findings in 56 cases, AJR 1991; **156:** 1181
Ekberg O; Weiber S: clinical importance of a thickwalled, tender gall-bladder without stones on ultrasonography, Clin Radiol 1991; **44:** 38
Ekblad E See **Sundler F**
Ekelund L See **Fagerlund MKJ**
Ekelund L See **Ragnarsson JI**
Ekelund L; Athlin L: low field magnetic resonance imaging of focal hepatic masses at 0.02 T, Acta Radiol 1989; **30:** 591
Ekelund L; Toolanen G: low field (0.02 T) magnetic resonance imaging of bone and soft tissue tumors, Skeletal Radiol 1989; **18:** 585
Ekholm SE See **Morris TW**
Ekholm SE; Morris TW; Fonte D; et al: effects of contrast media on neural tissue glucose uptake in vitro, Invest Radiol 1989; **24:** 145
Ekholm SE; Morris TW; Marinetti GV: effects of contrast media on synaptosomal phosphatidylinositols, Invest Radiol 1990; **25:** S84
Ekholm SE; Morris TW; Prentice L; et al: local glucose utilization changes caused by subarachnoid contrast media in the rabbit, Acta Radiol 1990; **31:** 209
Ekici E; Gülmezoglu AM: sonographic diagnosis of fetal acrania, JCU 1991; **19:** 363
Ekkelkamp S See **Heij HA**
Eklem MJ See **Doo E**
Eklöf A; Ahnesjö A; Brahme A: photon beam energy deposition kernels for inverse radiotherapy planning, Acta Oncol 1990; **29:** 447
Eklöf B See **Endrys J**
Eklöf O; Nybonde T; Karlsson G: luxation of the elbow complicated by proximal radio-ulnar translocation, Acta Radiol 1990; **31:** 145

Eklöv S See **Nilsson S**
Eklöv S See **Nordgren H**
Eklund GW See **Cardenosa G**
Eklund GW: mammographic compression: science or art?, Radiology 1991; **181:** 339
Ekman ET; Bäckdahl M; Löwhagen T; et al: nuclear DNA measurements on thyroid carcinoma in young patients, Acta Oncol 1989; **28:** 475
Ekman G See **Ehrenberg L**
Ekman P; Lewenhaupt A: serum tumour markers in human prostatic carcinoma: the value of a marker panel for prognostic information, Acta Oncol 1991; **30:** 173
Eksborg S See **Andersson M**
Eksborg S: anthracycline pharmacokinetics: limited sampling model for plasma level monitoring with special reference to epirubicin (Farmorubicin), Acta Oncol 1990; **29:** 339
Eksborg S: pharmacokinetics of anthracyclines, Acta Oncol 1989; **28:** 873
Eksborg S; Söderberg M; Nilsson B; et al: plasma pharmacokinetics of idarubicin and its 13-hydroxymetabolite after intravenous and oral administration under fasting and non-fasting conditions, Acta Oncol 1990; **29:** 921
Ekstrand KE; Barnes WH: pitfalls in the use of high energy x rays to treat tumors in the lung, Int J Radiat Oncol Biol Phys 1990; **18:** 249
Ekstrom JE See **Liddell RM**
Ekstrom JE; Shuman WP; Mack LA: MR imaging of accessory soleus muscle, JCAT 1990; **14:** 239
Elam DA See **Llaurado JG**
Elam EA; Dorr RT; Lagel KE; et al: cutaneous ulceration due to contrast extravasation: experimental assessment of injury and potential antidotes, Invest Radiol 1991; **26:** 13
Elam EA; Hunter TB; Hunt KR; et al: lack of sonographic image degradation after barium upper gastrointestinal examination, AJR 1989; **153:** 993
Elami A See **Hashmonai M**
El-Azouzi M See **Panagopoulos KP**
El Badawi MG See **Hawass N-E-D**
El Badawy S See **Awwad HK**
El Baki HA See **Awwad HK**
Elbarouni J See **Nordenström BEW**
Eldar H; Degani H: ^{31}P NMR studies of the thermodynamics and kinetics of the creatine kinase reaction, Magn Res Med 1989; **11:** 121
Eldeeb BB See **Brook FB**
El Deeb M See **Schellhas KP**
Elder AM See **Belanger JG**
Elderson A See **Vandertop WP**
El-Desouki M See **Sulimani RA**
El-Desouki M: skeletal brucellosis: assessment with bone scintigraphy, Radiology 1991; **181:** 415
El-Desouki M: Tl-201 thyroid imaging in differentiating benign from malignant thyroid nodules, Clin Nucl Med 1991; **16:** 425
El-Desouki M; Al-Nuaim A; Mofti A; et al: pheochromocytoma in the organ of Zukerkandl: I-131 MIBG scintigraphic localization, Clin Nucl Med 1989; **14:** 446
El-Desouki M; Joharjy IA; Al-Muzrakchi AM; et al: uncommon scintigraphic findings of multiple hepatic hemangiomas, Clin Nucl Med 1991; **16:** 178
Eldevik P See **Strother CM**
El-Din A See **Gillams A**
El-Din A See **Günther RW**
Eldredge WJ See **Steiner RM**
Eleff S See **Shinnar M**
El Ferzli G; Ozuner G; Davidson PG; et al: barium enema in the diagnosis of acute appendicitis, (ab), Radiology 1991; **179:** 883
El Gammal T See **Brooks BS**
El Gammal T See **Figueroa RE**
El Gammal T; Brooks BS: conventional MR neuroangiography, AJR 1991; **156:** 1075
El Gammal T; Brooks BS; Harbour R; et al: MR of uncommon congenital and vascular lesions of the intracranial visual pathways, Neuroradiol 1990; **32:** 488
El Gammal T; Brooks BS; Hoffman WH: MR imaging of the ectopic bright signal of posterior pituitary regeneration, AJNR 1989; **10:** 323
Elgavish GA: shift-reagent–aided ^{23}Na NMR spectroscopy, Invest Radiol 1989; **24:** 1028
Elgazzar AH See **Abdel-Dayem HM**
Elgazzar AH See **Farag AO**
Elgazzar AH See **Mahmoud AH**
Elgazzar AH; Abdel-Dayem HM; Shible O: brucellosis simulating metastases on Tc-99m MDP bone scan, Clin Nucl Med 1991; **16:** 189
Elgazzar AH; Jahan S; Motawei S; et al: Tc-99m MDP uptake in hepatoblastoma, Clin Nucl Med 1989; **14:** 143
Elgazzar AH; Sahweil A; Abdel-Dayem HM; et al: epigastric vein visualization on liver scan in severe bilharzial portal hypertension, Clin Nucl Med 1990; **15:** 55
El Ghamrawy K See **Awwad HK**
Elghazawi AK: clinical syndromes and differential diagnosis of spinal disorders, Radiol Clin North Am 1991; **29:** 651
El Hassan A See **Tennvall J**
El-Hilu S See **Abdel-Dayem HM**
Elias D See **Soyer P**
Elias ER See **McCauley RGK**
Eliashiv S See **Switzer P**
Eliasoph J See **Glicklich M**
Elison BS See **Van der Wall H**
Elizagaray E See **Grande D**
Elizondo G See **Fretz CJ**
Elizondo G See **Hahn PF**
Elizondo G See **Martinez HR**
Elizondo G See **Stark DD**
Elizondo G See **Weissleder R**
Elizondo G; Fretz CJ; Stark DD; Rocklage SM; Quay SC; Worah D; Tsang Y-M; Chen MC-M; Ferrucci JT: preclinical evaluation of MnDPDP: new paramagnetic hepatobiliary contrast agent for MR imaging, Radiology 1991; **178:** 73
Elizondo G; Weissleder R; Stark DD; Guerra J; Garza J; Fretz CJ; Todd LE; Ferrucci JT: hepatic cirrhosis and hepatitis: MR imaging enhanced with superparamagnetic iron oxide, Radiology 1990; **174:** 797
El-Kassimi FA See **Al-Majed SA**
El-Khatib E See **Ahmed IH**
El-Khatib E See **Lehnert S**
El-Khatib E; Lehnert S: lung density changes observed *in vivo* in rat lungs after irradiation: variations among and within individual lungs, Int J Radiat Oncol Biol Phys 1989; **16:** 745
El-Khatib EE; Evans M; Pla M; et al: evaluation of lung dose correction methods for photon irradiations of thorax phantoms, Int J Radiat Oncol Biol Phys 1989; **17:** 871
El-Khatib EE; Freeman CR; Rybka WB; et al: use of CT densitometry to predict lung toxicity in bone marrow transplant patients, Int J Radiat Oncol Biol Phys 1989; **16:** 85
El-Khatib EE; Valcourt S: calculation of lung shielding for total body irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 1099
El-Khatib EG; Rymel J; Al-Mokhlef J: technique for total skin electron irradiation using six large flattened electron beams: implementation on linear accelerators having different modes of electron beam production, Br J Radiol 1989; **62:** 744
El-Khoury GY See **Berbaum KS**
El-Khoury GY See **Conway WF**
El-Khoury GY See **Ehara S**
El-Khoury GY See **Garneau RA**
El-Khoury GY See **Kathol MH**
El-Khoury GY See **Renfrew DL**
El-Khoury GY See **Seabold JE**
El-Khoury GY: radiology of the thoracic skeleton, Radiology 1991; **180:** 646
Elkin M: stages in the growth of uroradiology, Radiology 1990; **175:** 297
Elkowitz SS; Patel M; Hirschfield LS: paravertebral muscle metastases from primary tongue and nasopharyngeal carcinomas, Clin Radiol 1991; **43:** 400
Elknsis SM; Hogg JP; Cunningham ME: MR imaging of spontaneous spinal cord infarction, JCAT 1991; **15:** 228
Ell C; Kerzel W; Heyder N; et al: tissue resections under piezoelectric shockwave application for the fragmentation of biliary calculi, (ab), Radiology 1990; **174:** 289
Ell C; Kerzel W; Schneider HT; et al: piezoelectric lithotripsy: stone disintegration and follow-up results in patients with symptomatic gallbladder stones, (ab), JVIR 1991; **2:** 299
Ell C; Lux G; Hochberger J; et al: laserlithotripsy of common bile duct stones, (ab), Radiology 1989; **170:** 581
Ell PJ See **Cullum ID**
Ell SR: neurogenic pulmonary edema: a review of the literature and a perspective, Invest Radiol 1991; **26:** 499
Ell SR; Sprigg A: radio-opacity of fishbones—species variation, Clin Radiol 1991; **44:** 104
Ellerbroek CJ See **Sato Y**
Ellerbroek NA See **Fleck R**
Ellerbroek NA See **Li W**
Ellerbroek NA See **Slater JD**
Ellerbroek NA; Fossella FV; Rich TA; et al: low-dose continuous infusion cisplatin combined with external beam irradiation for advanced colorectal adenocarcinoma and unresectable non-small cell lung carcinoma, Int J Radiat Oncol Biol Phys 1991; **20:** 351
Ellermann JM: clinical magnetic resonance spectroscopy, Radiology 1991; **180:** 760
Ellert T See **Mattle HP**
Elliesen-Kliefoth K See **Glüer CC**
Ellinger DM See **Larson JM**
Elliot CG See **Haug PJ**
Elliott AT See **Gillen GJ**
Elliott D See **Stein M**
Elliott D See **Weisberg LA**
Elliott JA See **Gehman KE**
Elliott M See **Haselgrove J**
Elliott PD See **Wiseman DA**
Elliott S See **Narborough GC**
Elliott V See **Pye SD**
Ellis BI See **Katz ME**
Ellis BI See **Keigley BA**
Ellis BI See **Moss CS**
Ellis BI See **Nghiem HV**
Ellis BI See **Shier CK**
Ellis BI: physician's assistants in radiology: has the time come?, Radiology 1991; **180:** 880
Ellis BI; Shier CK; Gaba AR; et al: case report 538, Skeletal Radiol 1989; **18:** 228
Ellis CE See **Fisk NM**
Ellis ER; Mendenhall WM; Rao PV; et al: does node location affect the incidence of distant metastases in head and neck squamous cell carcinoma?, Int J Radiat Oncol Biol Phys 1989; **17:** 293
Ellis FG See **Reidy JF**
Ellis FH Jr See **Streitz JM Jr**
Ellis IO See **Arthur JE**
Ellis JH See **Britt AR**
Ellis JH See **Kane NM**
Ellis JH See **Platt JF**
Ellis JH; Francis IR; Rhodes M; et al: CT findings in tuboovarian abscess, JCAT 1991; **15:** 589
Ellis JH; Patterson SK; Sonda LP; et al: stones and infection in renal caliceal diverticula: treatment with percutaneous procedures, AJR 1991; **156:** 995
Ellis JH; Vydareny KH; Bookstein FL; et al: impact of pre-radiology clinical years on resident performance, Invest Radiol 1989; **24:** 568
Ellis K: developmental abnormalities in the systemic blood supply to the lungs, AJR 1991; **156:** 669
Ellis LM; Vogel SB; Copeland EM III: central venous catheter vascular erosions: diagnosis and clinical course, (ab), Radiology 1989; **173:** 885
Ellis SG; Topol EJ: results of percutaneous transluminal coronary angioplasty of high-risk angulated stenoses, (ab), Radiology 1991; **181:** 294
Ellis SJ See **Di Rocco A**
Ellison D See **Mather SJ**
Ellsworth RM See **Beitler JJ**
Ellwood RA See **Farah MC**
Ellwood RA See **Jafri SZH**
Elmaleh D See **Nishizawa K**
Elmaleh M See **Garel C**
Elmas N See **Sener RN**
El-Naggar A See **Tornos C**
El Nahas AM See **El Sayed AA**
El Nahas AM See **Haylor JL**
Elomaa I; Salmo M; Roos L; et al: aclarubicin in the treatment of advanced gastrointestinal adenocarcinoma, Acta Oncol 1990; **29:** 636
El-Peleg O See **Mandel H**
El-Ramahi K See **Banna M**
El Sayed AA See **Haylor JL**
El Sayed AA; Haylor JL; El Nahas AM; et al: haemodynamic effects of water-soluble contrast media on the isolated perfused rat kidney, Br J Radiol 1991; **64:** 435
El-Shiekh Mohamed AR; Al Karawi MA; Yasawy MI: schistosomal colonic disease, (ab), Radiology 1990; **176:** 882
Elsinga PH See **Daemen BJG**
Elson HR See **Breneman JC**
Elson HR See **Cross MA**
Elson JD; Becker GJ; Wholey MH; Ehrman KO: vena caval and central venous stenoses: management with Palmaz balloon-expandable intraluminal stents, JVIR 1991; **2:** 215
Elster A See **Walker FO**
Elster AD See **Chen MYM**
Elster AD See **Cox TD**
Elster AD See **Harter SB**
Elster AD See **Howard JD**
Elster AD See **Richardson DN**
Elster AD See **Ulmer JL**
Elster AD See **Williams DW III**
Elster AD: cranial MR imaging with Gd-DTPA in neonates and young infants: preliminary experience, Radiology 1990; **176:** 225
Elster AD: energy-dispersive x-ray microscopy to trace gadolinium in tissues, Radiology 1989; **173:** 868
Elster AD: meningioma subtypes: MR and PET features: reply, Radiology 1989; **172:** 578
Elster AD: MRI: central nervous system, Radiology 1991; **178:** 392
Elster AD: MRI of the brain II: non-neoplastic disease, Radiology 1991; **180:** 462
Elster AD: MRI of the brain I: non-neoplastic disease, Radiology 1991; **180:** 462
Elster AD; Branch CL Jr: transalar sphenoidal encephaloceles: clinical and radiologic findings, Radiology 1989; **170:** 245
Elster AD; Challa VR; Gilbert TH; Richardson DN; Contento JC: meningiomas: MR and histopathologic features, Radiology 1989; **170:** 857

Elster AD; Chen MYM: MR imaging of Sturge-Weber syndrome: role of gadopentetate dimeglumine and gradient-echo techniques, AJNR 1990; **11:** 685
Elster AD; Chen MYM; Richardson DN; et al: dilated intercavernous sinuses: an MR sign of carotid-cavernous and carotid-dural fistulas, AJNR 1991; **12:** 641
Elster AD; Chen MYM; Williams DW III; Key LL: pituitary gland: MR imaging of physiologic hypertrophy in adolescence, Radiology 1990; **174:** 681
Elster AD; DiPersio DA: cranial postoperative site: assessment with contrast-enhanced MR imaging, Radiology 1990; **174:** 93
Elster AD; Jackels SC; Allen NS; et al: europium-DTPA: a gadolinium analogue traceable by fluorescence microscopy, AJNR 1989; **10:** 1137
Elster AD; Mirza W: MR imaging in chronic partial epilepsy: role of contrast enhancement, AJNR 1991; **12:** 165
Elster AD; Mirza W: MR imaging in chronic partial epilepsy: role of contrast enhancement, AJR 1991; **156:** 605
Elster AD; Moody DM: early cerebral infarction: gadopentetate dimeglumine enhancement, Radiology 1990; **177:** 627
Elster AD; Moody DM; Ball MR; Laster DW: is Gd-DTPA required for routine cranial MR imaging?, Radiology 1989; **173:** 231
Elster AD; Richardson DN: focal high signal on MR scans of the midbrain caused by enlarged perivascular spaces: MR-pathologic correlation, AJNR 1990; **11:** 1119
Elster AD; Richardson DN: focal high signal on MR scans of the midbrain caused by enlarged perivascular spaces: MR-pathologic correlation, AJR 1991; **156:** 157
Elster AD; Rieser GD: Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, AJNR 1989; **10:** 1027
Elster AD; Rieser GD: Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, AJR 1989; **153:** 1265
Elster AD; Sanders TG; Vines FS; Chen MYM: size and shape of the pituitary gland during pregnancy and post partum: measurement with MR imaging, Radiology 1991; **181:** 531
Elster AD; Sobol WT; Hinson WH: pseudolayering of Gd-DTPA in the urinary bladder, Radiology 1990; **174:** 379
Elvin A; Andersson T; Scheibenpflug L; Lindgren PG: biopsy of the pancreas with a biopsy gun, Radiology 1990; **176:** 677
Elvin PK See **Frood LR**
Elwany S; Kamel T: sensorineural hearing loss in sickle cell crisis, (ab), Radiology 1989; **170:** 591
Elwell JH See **Poulakos L**
Ely EW; Haponik EF: pneumonia in the elderly, J Thorac Imag 1991; **6-3:** 45
Emami B See **Burman C**
Emami B See **Glazer HS**
Emami B See **Myerson RJ**
Emami B See **Sathiaseelan V**
Emami B; Lyman J; Brown A; et al: tolerance of normal tissue to therapeutic irradiation, Int J Radiat Oncol Biol Phys 1991; **21:** 109
Emami B; Myerson RJ; Scott C; et al: phase I/II study, combination of radiotherapy and hyperthermia in patients with deep-seated malignant tumors: report of a pilot study by the radiation therapy oncology group, Int J Radiat Oncol Biol Phys 1991; **20:** 73
Emami B; Purdy JA; Manolis J; et al: three-dimensional treatment planning for lung cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 217
Emami B; Stauffer P; Dewhirst MW; et al: RTOG quality assurance guidelines for interstitial hyperthermia, Int J Radiat Oncol Biol Phys 1991; **20:** 1117
Emami BN See **Grigsby PW**
Emami BN See **Perez CA**
Emami BN See **Pilepich MV**
Embon OM See **Groshar D**
Embry BM See **Allen B**
Emerson DS See **Brown DL**
Emerson DS See **DiSessa TG**
Emerson DS See **Felker RE**
Emerson DS; Felker RE; Brown DL: sagittal sign: an early second trimester sonographic indicator of fetal gender, J Ultrasound Med 1989; **8:** 293
Emerson S See **Virapongse C**
Emery SF See **Redd RA**
Emiliani E See **Barbieri E**
Emrich J See **Arnold DL**
Emsley L; Bodenhausen G: on the use of a slice-selective 270° self-refocusing Gaussian pulse for magnetic resonance imaging: comments on the note by D. M. Doddrell *et al.*, Magn Res Med 1991; **19:** 461
Emsley L; Bodenhausen G: self-focusing 270° Gaussian pulses for slice selection without gradient reversal in magnetic resonance imaging, Magn Res Med 1989; **10:** 273
Enblad G; Glimelius B; Hagberg H; et al: methyl-GAG, ifosfamide, methotrexate and etoposide (MIME) as salvage therapy for Hodgkin's disease and non-Hodgkin's lymphoma, Acta Oncol 1990; **29:** 297
Enblad P See **Ahlström H**
Encarnacion CE See **Palmaz JC**
Encarnacion CE; Kadir S; Malone RB Jr: subselective embolization with gelatin sponge through an open-ended guide wire, Radiology 1990; **174:** 265
Endo K See **Kawamura Y**
Endo K See **Ohta H**
Endo K See **Saga T**
Endo M; Ichikawa F; Miyasaka Y; et al: capsular and thalamic infarction caused by tentorial herniation subsequent to head trauma, Neuroradiol 1991; **33:** 296
Endo O See **Tanaka K**
Endre ZH; Allis JL; Radda GK: toxicity of dysprosium shift reagents in the isolated perfused rat kidney, Magn Res Med 1989; **11:** 267
Endress C; Guyot DR; Fata J; et al: cervical osteomyelitis due to IV heroin use: radiologic findings in 14 patients, AJR 1990; **155:** 333
Endress C; Kling GA; Madrazo BL: diagnosis of hepatic artery aneurysm with portal vein fistula using image-directed Doppler ultrasound, JCU 1989; **17:** 206
Endrys J; Eklöf B; Neglén P; et al: percutaneous balloon occlusion of surgical arteriovenous fistulae following venous thrombectomy, Cardiovasc Intervent Radiol 1989; **12:** 226
Eng J See **Heineman FW**
Eng J See **Wolff SD**
Eng J; Ceckler TL; Balaban RS: quantitative ^{1}H magnetization transfer imaging *in vivo*, Magn Res Med 1991; **17:** 304
Engan T; Hannisdal E: blood analyses as prognostic factors in primary lung cancer, Acta Oncol 1990; **29:** 151
Engel A See **Adler OB**
Engel A See **Kainberger FM**
Engel A; Adler OB; Carmeli R: subclavian artery aneurysm caused by cervical rib: case report and review, Cardiovasc Intervent Radiol 1989; **12:** 92
Engel J Jr See **Zhang J**
Engel M: nuclear medicine annual 1990, Radiology 1991; **178:** 754
Engel MR: pediatric bone imaging: a practical approach, Radiology 1990; **175:** 756
Engel MR: procedures in gastrointestinal radiology, Radiology 1990; **177:** 702
Engel MR: radiographic anatomy: a working atlas, Radiology 1990; **175:** 532
Engel MR: skeletal radiology: the bare bones, Radiology 1990; **176:** 154
Engel U See **Nolsøe CP**
Engelberg S See **Mekhmandarov S**
Engelbretson DA See **LeBlanc AD**
Engeler C; Miller S; Ochsner EG: oblique sagittal MR imaging of the anterior cruciate ligament, Radiology 1991; **178:** 890
Engeler CE: cerebral and spinal computerized tomography. 2nd ed, Radiology 1990; **176:** 68
Engeler CE: Christensen's physics of diagnostic radiology. 4th ed, Radiology 1991; **180:** 766
Engeler CE: dynamic radiology of the abdomen: normal and pathologic anatomy. 3rd ed, Radiology 1989; **173:** 626
Engeler CE: introduction to neuroimaging, Radiology 1990; **174:** 686
Engeler CE: magnetic resonance imaging and computed tomography of the head and spine, Radiology 1991; **178:** 104
Engeler CE: morphology and function in MRI, Radiology 1990; **175:** 632
Engeler CE: MRI atlas of the brain, Radiology 1991; **178:** 322
Engeler CE: radiology of the esophagus, Radiology 1989; **170:** 642
Engeler CE; Yedlicka JW; Letourneau JG; et al: intravascular sonography in the detection of arteriosclerosis and evaluation of vascular interventional procedures, AJR 1991; **156:** 1087
Engeler CM See **duCret RP**
Engeler CM See **Kuni CC**
Engeler CM: handbooks in radiology: nuclear medicine, Radiology 1989; **171:** 94
Engeler CM; duCret RP; Ulstad V; et al: detection of impending pericardial tamponade during skeletal imaging, Clin Nucl Med 1989; **14:** 479
Engelhard K See **Worlicek H**
Engelken JD See **Yuh WTC**
Engelman K See **Alavi A**
Engels JT; Balfe DM; Lee JKT: biliary carcinoma: CT evaluation of extrahepatic spread, Radiology 1989; **172:** 35
Engelstad B See **Thoeni RF**
Engelstad BL See **Hoener B-a**
Engelstad BL See **Weissleder R**
Engelstad BL; White DL; Moseley ME; Stark DD: localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Radiology 1990; **176:** 467
Engelstein D See **Schoenfeld A**
Engenhart R See **Strauss LG**
Engenhart R; Kimmig BN; Hôver K-H; et al: stereotactic single high dose radiation therapy of benign intracranial meningiomas, Int J Radiat Oncol Biol Phys 1990; **19:** 1021
Engeseth H See **Schmiedl U**
Engholm G See **Andersson M**
Engholm G See **Davies TW**
Engkvist O See **Muren C**
England DM See **Unger JM**
England DM; Hochholzer L; McCarthy MJ: localized benign and malignant fibrous tumors of the pleura: a clinicopathologic review of 223 cases, (ab), Radiology 1990; **174:** 586
England JPS See **Saywell WR**
Englander LS See **Aliotta PJ**
Englestad BL See **Hoener B-a**
English R; Dicks-Mireaux C; Malone M; et al: osteosarcoma—presumed lymph node metastases in two cases, Skeletal Radiol 1989; **18:** 289
English RE See **Hyde I**
English RJ See **Tumeh SS**
Englund JA; Sullivan CJ; Jordan C; et al: respiratory syncitial virus infection in immunocompromised adults, (ab), Radiology 1989; **170:** 901
Engstrom J See **Sevick RJ**
Engstrom PF See **Coia LR**
Engstrom PF See **Kessler HB**
Engstrom PF See **Rimer BK**
Enk L See **Granberg S**
Enk L; Wikland M; Hammarberg K; et al: value of endovaginal sonography and urinary human chorionic gonadotropin tests for differentiation between intrauterine and ectopic pregnancy, JCU 1990; **18:** 73
Enlund A; Pedersen K; Boeryd B; et al: transrectal ultrasonography compared to histopathological assessment for local staging of prostatic carcinoma, Acta Radiol 1990; **31:** 597
Ennis JT See **Brady AP**
Ennis JT See **Lee MJ**
Ennis JT See **Redmond OM**
Ennis JT See **Stack JP**
Ennis WP See **Hayward MWJ**
Ennow K See **Andersson M**
Enochs WS; Hyslop WB; Bennett HF; et al: sources of the increased longitudinal relaxation rates observed in melanotic melanoma: an in vitro study in synthetic melanins, Invest Radiol 1989; **24:** 794
En-Pee Z; Pei-Gun L; Kuang-Long C; et al: radiation therapy of nasopharyngeal carcinoma: prognostic factors based on a 10-year follow-up of 1302 patients, Int J Radiat Oncol Biol Phys 1989; **16:** 301
Enrici RM See **Biagini C**
Enriquez G See **Lucaya J**
Enriquez G; Lucaya J; Nieto J; et al: hyperechogenic renal hypertrophy in glomerulosclerosis, Pediatr Radiol 1989; **19:** 441
Ens JA See **Lynch HT**
Ensign MF See **Manaster BJ**
Ensign MF: magnetic resonance imaging of hip disorders, Semin US CT MR 1990; **11:** 288
Ensing GJ See **Calame W**
Ensminger W See **Francis IR**
Ensminger WD See **Andrews JC**
Entine G See **Frederick EE**
Entman SS See **Fleischer AC**
Enwemeka CS; Rodriguez O; Mendosa S: biomechanical effects of low-intensity ultrasound on healing tendons, Ultrasound Med Biol 1990; **16:** 801
Enzmann D See **Rosen L**
Enzmann D See **Thrush A**
Enzmann D; Augustyn GT: improved MR images of the brain with use of a gated, flow-compensated, variable-bandwidth pulse sequence, Radiology 1989; **172:** 777
Enzmann D; Chang Y; Augustyn GT: MR findings in neonatal herpes simplex encephalitis type II, JCAT 1990; **14:** 453
Enzmann DR See **Baker LL**
Enzmann DR See **Drace JE**
Enzmann DR See **Segall HD**
Enzmann DR; Pelc NJ: normal flow patterns of intracranial and spinal cerebrospinal fluid defined with phase-contrast cine MR imaging, Radiology 1991; **178:** 467
Enzmann DR; Rubin JB: short TR, variable flip angle, gradient echo scans of the cervical spine: comparison of 2DFT and 3DFT techniques, Neuroradiol 1989; **31:** 213
Epelbaum R See **Front D**
Epelbaum R See **Israel O**

Epp ER See **Biaglow JE**
Epp ER; Held KD; Clark EP; et al: effect of varying the concentration of damage restituting species in the radical repair model, Int J Radiat Oncol Biol Phys 1989; **16:** 1219
Epps LA See **Knight LC**
Epstein AH; Connolly JL; Gelman R; et al: predictors of distant relapse following conservative surgery and radiotherapy for early breast cancer are similar to those following mastectomy, Int J Radiat Oncol Biol Phys 1989; **17:** 755
Epstein AL See **Chen F-M**
Epstein B See **Roberts TJ**
Epstein BE; Lee D-J; Kashima H; Johns ME: stage T1 glottic carcinoma: results of radiation therapy or laser excision, Radiology 1990; **175:** 567
Epstein DH See **Castaneda F**
Epstein DH See **Coleman CC**
Epstein DH See **Leach KR**
Epstein DH; Darcy MD; Hunter DW; Coleman CC; Tadavarthy SM; Murray PD; Castaneda-Zuniga WR; Amplatz K: experience with the Amplatz retrievable vena cava filter, Radiology 1989; **172:** 105
Epstein DH; Hunter DW; Coleman CC; Derauf BJ; Krenzel C; Schlam BW; Moradian GP; Castaneda F; Castaneda-Zuniga WR; Amplatz K: double-lumen needle for percutaneous ureteral pressure-flow studies, Radiology 1989; **172:** 569
Epstein DM See **Sheline ME**
Epstein DM: bronchioloalveolar carcinoma, Semin Roentgenol 1990; **25:** 105
Epstein DM: role of radiologic screening in lung cancer, Radiol Clin North Am 1990; **28:** 489
Epstein DM; Glickstein MF: pulmonary lymphoproliferative disorders, Radiol Clin North Am 1989; **27:** 1077
Epstein JB; Stevenson-Moore P; Jackson S; et al: prevention of oral mucositis in radiation therapy: a controlled study with benzydamine hydrochloride rinse, Int J Radiat Oncol Biol Phys 1989; **16:** 1571
Epstein JI See **Carter HB**
Epstein JI See **Hamper UM**
Epstein JI See **Sheth S**
Epstein JI See **Tempany CMC**
Epstein JI; Steinberg GD: significance of low-grade prostate cancer on needle biopsy: a radical prostatectomy study of tumor grade, volume, and stage of the biopsied and multifocal tumor, (ab), Radiology 1991; **181:** 293
Epstein MA; Zimmerman RA; Rorke LB; et al: late-onset globoid cell leukodystrophy mimicking an infiltrating glioma, Pediatr Radiol 1991; **21:** 131
Epstein N See **Slavin JD Jr**
Epstein NF See **Oldershaw JH**
Erasmie U; Dalianis H; Ringertz H: computer-based system for measurements and analyses in radiology, Acta Radiol 1990; **31:** 629
Erasmie U; Lidefelt K-J: accuracy of ultrasonic assessment of residual urine in children, Pediatr Radiol 1989; **19:** 388
Erb RE; Kaufman AJ; Koch MO; et al: adenocarcinoma in a sigmoid conduit: case report, Urol Radiol 1990; **12:** 115
Erba M; Jungreis CA; Horton JA: nitropaste for prevention and relief of vascular spasm, AJNR 1989; **10:** 155
Erbaş B; Erbengi G; Haberal M: Tc-99m HMPAO labeled donor leukocyte scan in liver transplant, Clin Nucl Med 1991; **16:** 495
Erbaş B; Kumbasar H; Erbengi G; et al: Tc-99m HMPAO/SPECT determination of regional cerebral blood flow changes in schizophrenics, Clin Nucl Med 1990; **15:** 904
Erbengi G See **Erbaş B**
Ercius M See **Chappell PM**
Erdentug MA See **Parkin A**
Erdman WA: biomedical magnetic resonance imaging: principles, methodology, and applications, Radiology 1990; **174:** 462
Erdman WA: Nuclear Medicine Annual 1989, Radiology 1990; **177:** 426
Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM: deep venous thrombosis of extremities: role of MR imaging in the diagnosis, Radiology 1990; **174:** 425
Erdman WA; Tamburro F; Jayson HT; Weatherall PT; Ferry KB; Peshock RM: osteomyelitis: characteristics and pitfalls of diagnosis with MR imaging, Radiology 1991; **180:** 533
Ergun DL; Mistretta CA; Brown DE; Bystrianyk RT; Sze WK; Kelcz F; Naidich DP: single-exposure dual-energy computed radiography: improved detection and processing, Radiology 1990; **174:** 243
Erhard P See **Requardt H**
Erhardt W See **Gmeinwieser J**
Ericksen AS See **Nosher JL**
Erickson RA: impact of endoscopy on mortality from occult cancer in radiographically benign gastric ulcers: a probability analysis model, (ab), Radiology 1989; **170:** 899
Erickson S See **Hurst RW**
Erickson S See **Middleton WD**
Erickson SJ See **Dodds WJ**
Erickson SJ See **Fitzgerald SW**
Erickson SJ See **Foley WD**
Erickson SJ See **Knudson GJ**
Erickson SJ See **Mewissen MW**
Erickson SJ See **Morgan PW**
Erickson SJ See **Quinn SF**
Erickson SJ See **Taylor AJ**
Erickson SJ See **Thorsen MK**
Erickson SJ; Canale PB; Carrera GF; Johnson JE; Shereff MJ; Gould JS; Hyde JS; Jesmanowicz A: interdigital (Morton) neuroma: high-resolution MR imaging with a solenoid coil, Radiology 1991; **181:** 833
Erickson SJ; Cox IH; Hyde JS; Carrera GF; Strandt JA; Estkowski LD: effect of tendon orientation on MR imaging signal intensity: a manifestation of the "magic angle" phenomenon, Radiology 1991; **181:** 389
Erickson SJ; Hendrix LE; Massaro BM; Harris GJ; Lewandowski MF; Foley WD; Lawson TL: color Doppler flow imaging of the normal and abnormal orbit, Radiology 1989; **173:** 511
Erickson SJ; Kneeland JB; Komorowski RA; et al: post-traumatic osteolysis of the clavicle: MR features, JCAT 1990; **14:** 835
Erickson SJ; Kneeland JB; Middleton WD; et al: MR imaging of the finger: correlation with normal anatomic sections, AJR 1989; **152:** 1013
Erickson SJ; Mewissen MW; Foley WD; et al: stenosis of the internal carotid artery: assessment using color Doppler imaging compared with angiography, AJR 1989; **152:** 1299
Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ: color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Radiographics 1989; **9:** 389
Erickson SJ; Quinn SF; Kneeland JB; et al: MR imaging of the tarsal tunnel and related spaces: normal and abnormal findings with anatomic correlation, AJR 1990; **155:** 323
Erickson SJ; Smith JW; Ruiz ME; et al: MR imaging of the lateral collateral ligament of the ankle, AJR 1991; **156:** 131
Ericson K See **Jedrzejczak T**
Ericson K See **Mosskin M**
Ericsson A See **Andersson T**
Ericsson A See **Hemmingsson A**
Ericsson A See **Holtås S**
Ericsson A See **Lönnemark M**
Ericsson A See **Skog S**
Ericsson A See **Sperber GO**
Ericsson A; Lönnemark M; Hemmingsson A; et al: effect of superparamagnetic particles in agarose gels: a magnetic resonance imaging study, Acta Radiol 1991; **32:** 74
Ericsson U-B See **Ivarsson SA**
Ericzon B-G See **Kubota K**
Erikson U See **Nilsson S**
Eriksson B See **Andersson T**
Eriksson B See **Bergh J**
Eriksson B See **Öberg K**
Eriksson B See **Wilander E**
Eriksson B; Arnberg H; Öberg K; et al: chromogranins—new sensitive markers for neuroendocrine tumors, Acta Oncol 1989; **28:** 325
Eriksson B; Öberg K: peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors, Acta Oncol 1991; **30:** 477
Eriksson B; Öberg K; Skogseid B: neuroendocrine pancreatic tumors: clinical findings in a prospective study of 84 patients, Acta Oncol 1989; **28:** 373
Eriksson B; Öberg K; Wilander E; et al: nuclear DNA distribution in neuroendocrine gastroenteropancreatic tumors before and during treatment, Acta Oncol 1989; **28:** 193
Eriksson BI See **Kälebo P**
Erkintalo M See **Paajanen H**
Erkonen WE; Albanese MA; Smith WL; et al: gross anatomy instruction with diagnostic images, Invest Radiol 1990; **25:** 292
Erlanson M; Franzén L; Henriksson R; et al: planning of radiotherapy for patients with hip prosthesis, Int J Radiat Oncol Biol Phys 1991; **20:** 1093
Erlemann R See **Reiser MF**
Erlemann R See **Wuisman P**
Erlemann R: musculoskeletal neoplasms: dynamic Gd-DTPA–enhanced MR imaging: reply, Radiology 1990; **177:** 288
Erlemann R; Reiser MF; Peters PE; Vasallo P; Nommensen B; Kusnierz-Glaz CR; Ritter J; Roessner A: musculoskeletal neoplasms: static and dynamic Gd-DTPA–enhanced MR imaging, Radiology 1989; **171:** 767
Erlemann R; Rosenthal H; Walthers EM; et al: reproducibility of the Pettersson scoring system: an interobserver study, Acta Radiol 1989; **30:** 147
Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P: response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Radiology 1990; **175:** 791
Erlemann R; Vassallo P; Bongartz G; Müller-Miny H; Rummeny E; Stöber U; Peters PE: musculoskeletal neoplasms: fast low-angle shot MR imaging with and without Gd-DTPA, Radiology 1990; **176:** 489
Erlinger S See **Iannuzzi C**
Erly WK See **Eftekhari F**
Ermark F See **Bachert-Baumann P**
Ermark F See **Semmler W**
Ernberg IT: oncogenes and tumor growth factors in breast cancer: a minireview, Acta Oncol 1990; **29:** 331
Ernst P See **Bourbeau J**
Ernst R; Krysiewicz S: hysterographic demonstration of multiple endometrial polyps: case report, Urol Radiol 1990; **12:** 118
Ernst T; Hennig J: double-volume ^{1}H spectroscopy with interleaved acquisitions using tilted gradients, Magn Res Med 1991; **20:** 27
Erny RE See **Safian RD**
Erquiaga E See **Torres GM**
Ersahin A See **Molloi SY**
Erwin WD See **Groch MW**
Erwin WD See **Turner DA**
Eryilmaz M See **Erzen C**
Eryilmaz M See **Peker S**
Erzen C See **Anlar B**
Erzen C; Eryilmaz M; Kalyoncu F; et al: CT findings in malignant pleural mesothelioma related to nonoccupational exposure to asbestos and fibrous zeolite (erionite), JCAT 1991; **15:** 256
Erzen V See **Stepišnik J**
Escarous A See **Kirsch JD**
Escarrabill J See **Saumench J**
Eschard JP See **Amico S**
Esche BA See **Gerbaulet AP**
Eschelman DJ; Blickman JG; Lazar HL; et al: pulmonary hyalinizing granuloma: a rare cause of a solitary pulmonary nodule, J Thorac Imag 1991; **6-2:** 54
Eschelman DJ; Lee VW: lesser sac cerebrospinal fluid collection: an unusual complication of a ventriculoperitoneal shunt, Clin Nucl Med 1990; **15:** 415
Esfahani F; Dolan KD: air CT cisternography in the diagnosis of vascular loop causing vestibular nerve dysfunction, AJNR 1989; **10:** 1045
Eshima D See **Russell CD**
Eshima D See **Taylor A Jr**
Eshima D; Fritzberg AR; Taylor A Jr: ^{99m}Tc renal tubular function agents: current status, Semin Nucl Med 1990; **20:** 28
Esik O; Schlegel W; Doll J; et al: three-dimensional photon radiotherapy planning for laryngeal and hypopharyngeal tumours, Acta Oncol 1990; **29:** 439
Eskandari J See **Lusinchi A**
Eskelinen M; Collan Y; Puittinen J; et al: frozen section diagnosis of breast cancer, Acta Oncol 1989; **28:** 183
Eskelinen S; Hiltunen Y; Jokisaari J; et al: ^{1}H NMR studies on human plasma lipids from newborn infants, healthy adults, and adults with tumors, Magn Res Med 1989; **9:** 35
Eskey CJ See **Detre JA**
Eskilsson J; Albertsson M: failure of preventing 5-fluorouracil cardiotoxicity by prophylactic treatment with verpamil, Acta Oncol 1990; **29:** 1001
Eskola A See **Santavirta S**
Eskridge JM: interventional neuroradiology, Radiology 1989; **172:** 991
Eskridge JM: neuroradiologist goes to the operating room, AJNR 1991; **12:** 133
Eskridge JM; Wessbecher FW: thrombolysis for superior sagittal sinus thrombosis, JVIR 1991; **2:** 89
Espada JL See **Naranjo IC**
Espinosa MC See **Orrison WW Jr**
Espinoza LR; Berman A; Vasey FB; et al: psoriatic arthritis and acquired immunodeficiency syndrome, (ab), Radiology 1989; **171:** 294
Esplin CA See **Palestrant AM**
Esposito S See **Cuocolo A**
Esposti P See **Hedlund PO**
Esposti P-L See **Blomgren H**
Esposti PL: adjuvant therapy in early prostatic cancer: summary of the discussion, Acta Oncol 1991; **30:** 267
Esquerré J-P; Coca FJ; Martinez SJ; et al: prone decubitus: a solution to inferior wall attenuation in thallium-201 myocardial tomography, J Nucl Med 1989; **30:** 398

Esquivel CO See **Zajko AB**
Essed CE See **Doornbos J**
Esseltine D See **Bernstein ML**
Estabrook A See **Komaki R**
Estabrook A; Asch T; Gump F; et al: mammographic features of intracystic papillary lesions, (ab), Radiology 1990; **176:** 589
Estelin R See **Guichard M**
Esterbrooks DJ See **Siffring PA**
Esterhai JL See **Iannotti JP**
Esterhai JL See **Mason MD**
Esterhai JL See **Zlatkin MB**
Esterline W See **Modlin IM**
Estes DN; Magill HL; Thompson EI; Hayes FA: primary Ewing sarcoma: follow-up with Ga-67 scintigraphy, Radiology 1990; **177:** 449
Estkowski LD See **Erickson SJ**
Estlinbaum W See **Stürm RP**
Estrada J See **Sanchez RB**
Estrada R See **Athey PA**
Estrera AS See **Landay MJ**
Estroff JA See **Benacerraf BR**
Estroff JA See **Laboda LA**
Estroff JA See **Mandell J**
Estroff JA; Mandell J; Benacerraf BR: increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Radiology 1991; **181:** 135
Etani H See **Kimura K**
Etani H See **Maeda H**
Etchison MR See **Rubin MJ**
Etherington RJ; Adams H; Roberts GM: radiologists and endoscopy: a survey of the attitudes and intentions of radiologists in training, Clin Radiol 1989; **40:** 383
Etherington RJ; Clements D: giant mid-oesophageal diverticulum: a rare cause of dysphagia, Br J Radiol 1990; **63:** 221
Etherington RJ; Clements R; Griffiths GJ; et al: transrectal ultrasound in the investigation of haemospermia, Clin Radiol 1990; **41:** 175
Etherington RJ; Hourihan MD: localisation of intraocular and intraorbital foreign bodies using computed tomography, Clin Radiol 1989; **40:** 610
Etherington RJ; Williams JG; Hayward MWJ; et al: demonstration of para-ileostomy herniation using computed tomography, Clin Radiol 1990; **41:** 333
Ethier R See **Minuk J**
Ethier R See **Tampieri D**
Ethier SP See **Wahl RL**
Etienne J See **Filipczyński L**
Etienne J-C See **Pennaforte J-L**
Eto RT See **Davis SJ**
Etoh T; Takahashi H; Maie M; et al: tumor imaging by antineuroblastoma monoclonal antibody and its application to treatment, (ab), Radiology 1989; **171:** 592
Ettenger NA See **Naidich DP**
Ettinger B See **Genant HK**
Ettinger B See **Steiger P**
Ettinger M See **Mazess RB**
Ettles DF See **Scott PJ**
Eugene J; Ott RA; Baribeau Y; et al: initial trial of argon ion laser endarterectomy for peripheral vascular disease, (ab), JVIR 1991; **2:** 290
Eugene M; Le Moyec L; de Certaines J; et al: lipoproteins in heart transplantation: proton magnetic resonance spectroscopy of plasma, Magn Res Med 1991; **18:** 93
Eurell JC See **Sether LA**
Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH: chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Radiology 1989; **172:** 459
Evancho AM See **Brunner MC**
Evancho AM; Fajman WA; Stiles RG; et al: magnetic resonance imaging of knee menisci: comparison of spin echo pulse sequences, Invest Radiol 1990; **25:** 1224
Evanochko WT: NMR spectroscopic assessment of altered myocardial lipid metabolism, Invest Radiol 1989; **24:** 973
Evans AC See **Ranger NT**
Evans AC See **Thompson CJ**
Evans AE; Norkool P; Evans I; et al: late effects of treatment for Wilms' tumor: a report from the National Wilms' Tumor Study Group, (ab), Radiology 1991; **180:** 883
Evans AJ See **Podolak MJ**
Evans AJ See **Spritzer CE**
Evans C See **Kennan NM**
Evans DF See **Stehling MK**
Evans DH See **Fenton AC**
Evans DH See **Schlindwein FS**
Evans DH; Schlindwein FS; Levene MI: relationship between time averaged intensity weighted mean velocity, and time averaged maximum velocity in neonatal cerebral arteries, Ultrasound Med Biol 1989; **15:** 429
Evans DK See **McCarthy MC**
Evans H See **Sherman NE**
Evans HL See **Bane BL**
Evans HL See **Lorigan JG**
Evans I See **Evans AE**
Evans JM; Skidmore R; Baker JD; et al: new approach to the noninvasive measurement of cardiac output using an annular array Doppler technique—II. practical implementation and results, Ultrasound Med Biol 1989; **15:** 179
Evans JM; Skidmore R; Luckman NP; et al: new approach to the noninvasive measurement of cardiac output using an annular array Doppler technique—I. theoretical considerations and ultrasonic fields, Ultrasound Med Biol 1989; **15:** 169
Evans K See **Flores AD**
Evans KG See **Forster BB**
Evans KT See **Clements R**
Evans M See **El-Khatib EE**
Evans MJ; Kovacs CJ; Gooya JM; et al: interleukin-1α protects against the toxicity associated with combined radiation and drug therapy, Int J Radiat Oncol Biol Phys 1991; **20:** 303
Evans ML See **Graham MM**
Evans ML See **Staker BL**
Evans N See **Carter SR**
Evans N See **Davies AM**
Evans N See **Morgan A**
Evans NTS See **Gemmell HG**
Evans PF See **McIvor J**
Evans PM See **Morton EJ**
Evans RA See **Page AC**
Evans RA; Raby ND; O'Grady JG; et al: biliary complications following orthotopic liver transplantation, Clin Radiol 1990; **41:** 190
Evans RA; Salisbury JR; Gimson A; et al: case report: indolent gastric epithelioid leiomyosarcoma in Carney's triad, Clin Radiol 1990; **42:** 437
Evans RG See **Kimler BF**
Evans RG See **Smalley SR**
Evans RG; Kimler BF; Morantz RA; et al: phase I/II study of the use of Fluosol® as an adjuvant to radiation therapy in the treatment of primary high-grade brain tumors, Int J Radiat Oncol Biol Phys 1990; **19:** 415
Evans S: case of the month: there's more to it than meets the eye, Br J Radiol 1991; **64:** 279
Evans SE See **Desmond JM**
Evans SE; Ferrando JR; Mike N: significance of transverse folds in the gastric antrum, Clin Radiol 1990; **42:** 405
Evans SE; Harris I; Williams CE: case report: benign cholangioma of the liver, Clin Radiol 1989; **40:** 427
Evans SE; Whitehouse GH: extensive calcification in the breast in chronic renal failure, Br J Radiol 1991; **64:** 757
Evans SH; Davis R; Cooke J; et al: comparison of radiation doses to the breast in computed tomographic chest examinations for two scanning protocols, Clin Radiol 1989; **40:** 45
Evans SM; LaCreta F; Helfand S; et al: technique, pharmacokinetics, toxicity, and efficacy of intratumoral etanidazole and radiotherapy for treatment of spontaneous feline oral squamous cell carcinoma, Int J Radiat Oncol Biol Phys 1991; **20:** 703
Evans WP See **Mootz AR**
Evans WP See **Pierce WB**
Evans WP; Cade SH: needle localization and fine-needle aspiration biopsy of nonpalpable breast lesions with use of standard and stereotactic equipment, Radiology 1989; **173:** 53
Evelhoch J See **De Neve W**
Evelhoch JL See **Mattiello J**
Evelhoch JL See **Negendank WG**
Evelhoch JL; McCoy CL; Giri BP: method for direct *in vivo* measurement of drug concentrations from a single ^2H NMR spectrum, Magn Res Med 1989; **9:** 402
Evens RG See **Monsees B**
Evens RG: decreased breast cancer mortality through mammographic screening, Radiology 1989; **170:** 575
Evens RG: economic impact of technology on diagnostic imaging at a university medical center, AJR 1989; **153:** 179
Evens RG: reply: the organization of a modern radiology department, Radiology 1989; **172:** 609
Evens RG; Evens RG Jr: analysis of economics and use of MR imaging units in the United States in 1990, AJR 1991; **157:** 603
Evens RG Jr See **Evens RG**
Everett C See **De Neve W**
Everhart FR Jr See **Higashi T**
Evers K; Troupin RH: lipid cyst: classic and atypical appearances, AJR 1991; **157:** 271
Evers KA See **Sheline M**
Eversen LI: radiology of skeletal disorders: exercises in diagnosis. 3rd ed, 4 vols, Radiology 1991; **180:** 46
Everson LI: MRI of the musculoskeletal system. 2nd ed, Radiology 1991; **180:** 408
Evill CA See **Whisson CC**
Evill CA See **Wilson AJ**
Evill CA; Wilson AJ; Sage MR: chemotoxic effects of low-osmolar contrast media on the blood–brain barrier, Invest Radiol 1990; **25:** S82
Evins AE See **Milam MG**
Ewen C; Hendry JH: precipitation of radiation injury in kidney epithelium reveals a low fractionation sensitivity (α/β = 12.5 Gy), Br J Radiol 1989; **62:** 283
Ewers S-B See **Albertsson M**
Ewers S-B; Baldetorp B; Killander D; et al: flow cytometry DNA ploidy and number of cell populations in the primary breast cancer and their correlation to the prognosis, Acta Oncol 1989; **28:** 913
Ewertz M See **Mellemgaard A**
Ewigman B; Cornelison S; Horman D; et al: use of routine prenatal ultrasound by private practice obstetricians in Iowa, J Ultrasound Med 1991; **10:** 427
Ewing DK See **Groskin SA**
Ewing JR See **Branch CA**
Extermann P See **Oberhaensli I**
Eybalin M-C See **Cerino M**
Eybalin MC See **Lette J**
Eyler WR See **Eurman DW**
Eymard B See **de Kerviler E**
Eymontt MJ See **Weingrad TR**
Ezquerra NF See **DePuey EG**
Ezrin AM See **Dundore RL**

F

Fa EM; Cronan JJ: compression ultrasonography as an aid in the differential diagnosis of appendicitis, (ab), Radiology 1990; **175:** 587
Faber CN; Yousem SA; Dauber JH; et al: pulmonary capillary hemangiomatosis: a report of three cases and a review of the literature, (ab), Radiology 1990; **175:** 588
Faber JAJ See **van der Knaap MS**
Faber LP See **Reddy S**
Faber LP; Kittle CF; Warren WH; et al: preoperative chemotherapy and irradiation for stage III non-small cell lung cancer, (ab), Radiology 1990; **174:** 291
Faber TL; McColl RW; Opperman RM; Corbett JR; Peshock RM: spatial and temporal registration of cardiac SPECT and MR images: methods and evaluation, Radiology 1991; **179:** 857
Faber TL; Stokely EM; Templeton GH; et al: quantification of three-dimensional left ventricular segmental wall motion and volumes from gated tomographic radionuclide ventriculograms, J Nucl Med 1989; **30:** 638
Fabila J See **Sezhiyan T**
Fabiszewski NW See **Mochizuki T**
Fabrizzi G See **Graziani L**
Fache JS See **Becker CD**
Fache JS See **Burhenne HJ**
Fache JS See **Donald JJ**
Fache JS See **Goodacre BW**
Fache JS See **Herbetko J**
Fache JS See **Lee SH**
Fache JS See **Malone DE**
Fache JS See **Rawat B**
Fache JS See **Zhou J**
Fache JS: transcholecystic intervention, Radiol Clin North Am 1990; **28:** 1157
Fache JS; Rawat B; Burhenne HJ: extracorporeal cholecystolithotripsy without oral chemolitholysis, Radiology 1990; **177:** 719
Faciszewski T; Burks RT; Manaster BJ: subtle injuries of the Lisfranc joint, (ab), Radiology 1991; **179:** 887
Fackler ML See **Hollerman JJ**
Fadell RJ See **Savolaine ER**
Faden H; Grossi M: acute osteomyelitis in children: reassessment of etiologic agents and their clinical characteristics, (ab), Radiology 1991; **181:** 296
Faerber EN See **Caro PA**
Faerber EN See **Greenberg SB**
Faerber EN; Balsara RK; Schidlow DV; et al: thymolipoma: computed tomographic appearances, Pediatr Radiol 1990; **20:** 196
Faerber EN; Grover WD; DeFilipp GJ; et al: cerebral MR of Menkes kinky-hair disease, AJNR 1989; **10:** 190
Fagan P See **Loneragan R**
Fagan PA See **Ma KH**
Fagard RH See **Wilms GE**
Fagelman D; Chess Q: nonaspiration fine-needle cytology of the liver: a new technique for obtaining diagnostic samples, AJR 1990; **155:** 1217
Fagelman KM See **Marchant EA**
Fagerholm M See **Scanlan KA**
Fagerlund MKJ; Ekelund L: ultra low field magnetic resonance imaging and computed tomography in the diagnosis of lumbar disc disease, Acta Radiol 1989; **30:** 349

Fagerlund MKJ; Thelander UE: comparison of myelography and computed tomography in establishing lumbar disc herniation, Acta Radiol 1989; **30:** 241
Fagerlund MKJ; Thelander U; Friberg S: size of lumbar disc hernias measured using computed tomography and related to sciatic symptoms, Acta Radiol 1990; **31:** 555
Faggian G See Bortolotti U
Faggioli GL; Curl GR; Ricotta JJ: role of carotid screening before coronary artery bypass, (ab), JVIR 1991; **2:** 423
Fagret D See Arvieux CC
Fahey BJ See Henderson DK
Fahey FH See Cumberlin RL
Fahey FH; Ziessman HA; Collen MJ; et al: left anterior oblique projection and peak-to-scatter ratio for attenuation compensation of gastric emptying studies, J Nucl Med 1989; **30:** 233
Fahlvik AK; Holtz E; Leander P; et al: magnetic starch microspheres, efficacy and elimination: a new organ-specific contrast agent for magnetic resonance imaging, Invest Radiol 1990; **25:** 113
Fahlvik AK; Holtz E; Schröder U; et al: magnetic starch microspheres, biodistribution and biotransformation: a new organ-specific contrast agent for magnetic resonance imaging, Invest Radiol 1990; **25:** 793
Fahnestock M; Rimer VG; Yamawaki RM; et al: effects of ultrasound exposure *in vitro* on neuroblastoma cell membranes, Ultrasound Med Biol 1989; **15:** 133
Fahr LM See Sauser DD
Fahy J See O'Laoide RM
Fairbank JT; Patel MM; Dietrich PA: Legionnaires' disease, J Thorac Imag 1991; **6-3:** 6
Fairchild CR; Cowan KH: keynote address: multidrug resistance: a pleiotropic response to cytotoxic drugs, Int J Radiat Oncol Biol Phys 1991; **20:** 361
Fairchild RG; Coderre JA; Packer S; et al: therapeutic effects of 5-35-thiouracil in BALB/c mice carrying Harding-Passey melanoma, Int J Radiat Oncol Biol Phys 1989; **17:** 337
Fairclough DL See Hanna SL
Fairey RN See Jackson SM
Fairey RN See Olivotto IA
Fairholm S See Morrison M
Fairlamb DJ: external radiotherapy in the management of malignant pericardial effusion, Clin Radiol 1989; **40:** 307
Fairlie F See Gudmundsson S
Faison JD See Ikeda DM
Faiss JH; Schroth G; Grodd W; et al: central spinal cord lesions in stenosis of the cervical canal, Neuroradiol 1990; **32:** 117
Faix RG; Viscardi RM; DiPietro MA; et al: adult respiratory distress syndrome in full-term newborns, (ab), Radiology 1989; **173:** 888
Fajardo LL See Hillman BJ
Fajardo LL See Hunter TB
Fajardo LL See Strautman PR
Fajardo LL; Davis JR; Wiens JL; et al: mammography-guided stereotactic fine-needle aspiration cytology of nonpalpable breast lesions: prospective comparison with surgical biopsy results, AJR 1990; **155:** 977
Fajardo LL; Hillman BJ; Pond GD; et al: detection of pneumothorax: comparison of digital and conventional chest imaging, AJR 1989; **152:** 475
Fajardo LL; Hillman BJ; Weber C; et al: microvascular changes in rabbit kidneys after extracorporeal shock wave treatment, Invest Radiol 1990; **25:** 664
Fajardo LL; Yoshino MT; Seeley GW; et al: detection of breast abnormalities on teleradiology transmitted mammograms, Invest Radiol 1990; **25:** 1111
Fajman WA See Evancho AM
Fajman WA See Housman JF
Fakhry J; Khoury A: fetal intracranial calcifications: the importance of periventricular hyperechoic foci without shadowing, J Ultrasound Med 1991; **10:** 51
Fakhry J; Khoury A; Barakat K: hypoechoic band: a normal finding on testicular sonography, AJR 1989; **153:** 321
Fakier DR; Strauss EB: thallium-201 accumulation in an unsuspected bronchogenic carcinoma, Clin Nucl Med 1989; **14:** 460
Falchuk KR See Kane RA
Falchuk KR See Stokes KR
Falcone S; Murphy BJ; Weinfeld A: gastric manifestations of AIDS: radiographic findings on upper gastrointestinal examination, Gastrointest Radiol 1991; **16:** 95
Falewée M-N See Bruneton J-N
Faling LJ See Daly BDT
Falise B See Mathieu D
Falk D See Vannier MW
Falk S See Frohn J
Falke THM See Algra PR
Falke THM See Tjon A Tham RTO
Falke THM See van Gils APG
Falke THM See Vogel HJP
Falkmer U See Hedlund PO
Falkmer UG: methodological aspects on flow and image cytometric nuclear DNA assessments in prostatic adenocarcinoma, Acta Oncol 1991; **30:** 201
Falkvoll KH: relationship between changes in tumour volume, tumour cell density and parenchymal cord radius in a human melanoma xenograft exposed to single dose irradiation, Acta Oncol 1990; **29:** 935
Fallat ME See Malangoni MA
Faller B See Cornélis F
Fallon M See Schiebler ML
Fallon MD See Roberts MC
Fallon MD See Tsai JC
Falloon J See Feuerstein IM
Fallowfield LJ See Baum M
Fallowfield M See Davies RJ
Fallowfield M See Mills P
Falzon M See Costa DC
Fam AG; Rubenstein J: hydroxyapatite pseudopodagra: a syndrome of young women, (ab), Radiology 1990; **174:** 589
Fan CJ; Goh KL; Wang F; et al: steroid induced exophthalmos: a case report, Australas Radiol 1989; **33:** 182
Fan CJ; Veerapen RJ; Tan CT: case report: subdural spinal lipoma with posterior fossa extension, Clin Radiol 1989; **40:** 91
Fan PH See Jain SP
Fan S See David R
Fan S-T See Chan F-L
Fan T See Lee BCP
Fan Y-W See Fung C-F
Fanders B See Cho KJ
Fandiño J See Larrañaga J
Fanelli C See Gascho JA
Fang B-R; Chiang C-W; Lin F-C; et al: two-dimensional and Doppler echocardiographic features of coronary arteriovenous fistula: report of three cases, J Ultrasound Med 1990; **9:** 39
Fang D; Leong JCY; Ho EKW; et al: spinal pseudoarthrosis in ankylosing spondylitis, (ab), Radiology 1989; **170:** 587
Fang M See Samoszuk MK
Fang-Zhi H See Zi-Zhong L
Fanizza-Orphanos A See Willing SJ
Fanney D See Tehranzadeh J
Fanney DR See Montalvo BM
Fanney DR; Casillas J; Murphy BJ: CT in the diagnosis of renal trauma, Radiographics 1990; **10:** 29
Fanney DR; Castillo M; Casillas J; et al: sonographic anatomy of the caudate lobe veins, JCU 1990; **18:** 27
Fanning CV See White VA
Fanning J See Greven KM
Fanti S See Dondi M
Fantone JC See Bosanko CMM
Fantozzi LM See Bozzao L
Fantus RJ See Madayag MA
Fanucci E See Lehmann B
Fanucci E; Orlacchio A; Pocek M; et al: optimal branching of human arterial bifurcations, Invest Radiol 1990; **25:** 62
Faoagali J See Lisle D
Farag A See Nawaz K
Farag AO; Elgazzar AH; Abdel-Dayem HM; et al: iliac artery aneurysm causing ureteric obstruction, Clin Nucl Med 1990; **15:** 201
Farah J See Shirkhoda A
Farah MC; Shirkhoda A; Ellwood RA; et al: leiomyosarcoma of the renal vein: radiologic pathologic correlation, Clin Imag 1989; **13:** 323
Farah R See Hallahan DE
Farah R See Hartsell WF
Farah R; Chodak GW; Vogelzang NJ; et al: curative radiotherapy following chemotherapy for invasive bladder carcinoma (a preliminary report), Int J Radiat Oncol Biol Phys 1991; **20:** 413
Farah R; Golomb HM; Hallahan DE; et al: radiation therapy for pathologic stage III Hodgkin's disease with and without chemotherapy, Int J Radiat Oncol Biol Phys 1989; **17:** 761
Farahani K; Sinha U; Sinha S; et al: effect of field strength on susceptibility artifacts in magnetic resonance imaging, Comput Med Imag Graph 1990; **14:** 409
Faraj BA; Martin LG: simplified radioenzymatic method for the study of whole blood histamine release in patients receiving radiographic contrast media, Invest Radiol 1990; **25:** 1228
Faravelli A See DelMaschio A
Farber C-M See Rodesch G
Farber S See Ramirez G
Fareed J See Mamon JF
Fareed J; Walenga JM; Saravia GE; Moncada RM: thrombogenic potential of nonionic contrast media?, Radiology 1990; **174:** 321
Fareed J; Walenga JM; Saravia GE; Moncada RM: thrombogenic potential of nonionic contrast media?: reply, Radiology 1990; **177:** 283
Farha SJ See Ammar AD
Farhangi M See Singh A
Farid N See Balkanci F
Fariello G See Orazi C
Farin PU; Jaroma H; Harju A; Soimakallio S: shoulder impingement syndrome: sonographic evaluation, Radiology 1990; **176:** 845
Farine D; Peisner DB; Timor-Tritsch IE; et al: placenta previa—is the traditional diagnostic approach satisfactory?, JCU 1990; **18:** 328
Farley TE See Howell SM
Farley TE; Howell SM; Love KF; Wolfe RD; Neumann CH: meniscal tears: MR and arthrographic findings after arthroscopic repair, Radiology 1991; **180:** 517
Farlow DC See Larcos G
Farlow MR See Hendrie HC
Farman P See Coulden RA
Farmer THR; Cofer GP; Johnson GA: maximizing contrast to noise with inductively coupled implanted coils, Invest Radiol 1990; **25:** 552
Farmer THR; Johnson GA; Cofer GP; et al: implanted coil MR microscopy of renal pathology, Magn Res Med 1989; **10:** 310
Farnarier P See Bartoli J-M
Farnell MB See Sorkey AJ
Farnell MB; Spencer MP; Thompson E; et al: nonoperative management of blunt hepatic trauma in adults, (ab), Radiology 1989; **171:** 586
Farner R See Brown BP
Farner RM See Abu-Yousef MM
Faro SH; Racette CD; Lally JF; et al: traumatic lumbar hernia: CT diagnosis, AJR 1990; **154:** 757
Farole A See Rao VM
Farole A See Tom BM
Faroux MJ See Fornage BD
Farquhar CM; Rae T; Thomas DC; et al: Doppler ultrasound in the nonpregnant pelvis, J Ultrasound Med 1989; **8:** 451
Farrands PA See Stott MA
Farrant J See Curtin JJ
Farrell E See Veith FJ
Farrés MT See Dock W
Farthing MJG See Kamm MA
Farthman E See Richter GM
Farzaneh F See Brown DG
Farzaneh F See Butts RK
Farzaneh F See Korin HW
Farzaneh F See Wright RC
Farzaneh F; Riederer SJ; Lee JN; Tasciyan T; Wright RC; Spritzer CE: MR fluoroscopy: initial clinical studies, Radiology 1989; **171:** 545
Farzaneh F; Riederer SJ; Pelc NJ: analysis of T2 limitations and off-resonance effects on spatial resolution and artifacts in echo-planar imaging, Magn Res Med 1990; **14:** 123
Fasanelli S; Perrotta F; Fruhwirth R: computed tomography of the "near miss syndrome" with basal ganglion calcification, Pediatr Radiol 1989; **19:** 435
Fasciano MG See Cutillo DP
Fass D; McCormick B; Abramson D; et al: cobalt^{60} plaques in recurrent retinoblastoma, Int J Radiat Oncol Biol Phys 1991; **21:** 625
Fass DE See Armstrong JG
Fass DE See Harrison LB
Fata J See Endress C
Fataar A See Adams BK
Fataar S: percutaneous drainage of pancreatic pseudocysts: technique and problems, Australas Radiol 1990; **34:** 334
Fataar S: radiologically controlled drainage of pleural and pulmonary collections, Australas Radiol 1990; **34:** 111
Fataar S; Bassiony H; Satyanath S; et al: radiologically visible gallbladder calcification due to schistosomiasis, Br J Radiol 1990; **63:** 706
Fataar S; Rudwan M; Bassiony H; et al: CT of genitourinary calcification due to schistosomiasis, Australas Radiol 1990; **34:** 234
Fatani JA See Hawass N-E-D
Fatouros PP; Marmarou A; Kraft KA; et al: *in vivo* brain water determination by T_1 measurements: effect of total water content, hydration fraction, and field strength, Magn Res Med 1991; **17:** 402
Fatunde Y See Monu JUV
Faubert C See Demaerel P
Faubert C; Inniger R: MRI and pathological findings in two cases of Askin tumors, Neuroradiol 1991; **33:** 277
Faulkner DJ; Kozarek RA: gallstones: fragmentation with a tunable dye laser and dissolution with methyl tert-butyl ether in vitro, Radiology 1989; **170:** 185
Faulkner K See Chapple C-L
Faulkner K See Lang P
Faulkner K See Rawlings DJ
Faulkner K See Tweed JJ
Faulkner K; Barry JL; Smalley P: radiation dose to neonates on a Special Care Baby Unit, Br J Radiol 1989; **62:** 230

Faulkner KG; Cann CE; Hasegawa BH: effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Radiology 1991; **179:** 669
Faulkner LA See **Leith JT**
Faulstich ME; Sullivan DC: positron emission tomography in neuropsychiatry, Invest Radiol 1991; **26:** 184
Faustino PJ See **Place DA**
Favre B; Bonche JP; Mehier H; et al: environmental optimization and shielding for NMR experiments and imaging in the earth's magnetic field, Magn Res Med 1990; **13:** 299
Favre J See **Finci L**
Fawcett HD See **Fawcett MA**
Fawcett HD; Sayle BA: SPECT versus planar liver scintigraphy: is SPECT worth it?, J Nucl Med 1989; **30:** 57
Fawcett HD; Sayle BA; Nusynowitz ML; et al: unusual pattern of marrow distribution following treatment of aplastic anemia, Clin Nucl Med 1989; **14:** 462
Fawcett MA; Fawcett HD: unusual pattern of indium-111 leukocyte distribution in a patient with widespread infection, Clin Nucl Med 1989; **14:** 292
Fawwaz RA See **Bohdiewicz PJ**
Fay M: radiologist site visitors sought, Radiology 1989; **171:** 286
Faykus MH Jr See **Palestrant AM**
Fazekas F; Alavi A; Chawluk JB; et al: comparison of CT, MR, and PET in Alzheimer's dementia and normal aging, J Nucl Med 1989; **30:** 1607
Fazekas JT; Scott C; Marcial V; et al: role of hemoglobin concentration in the outcome of misonidazole-sensitized radiotherapy of head and neck cancers: based on RTOG trial #79-15, Int J Radiat Oncol Biol Phys 1989; **17:** 1177
Fazzi P See **Solfanelli S**
Feasby TE See **Lee DH**
Fechner K See **Pennes DR**
Fechner KP See **Chenevert TL**
Fechner KP See **Kavanaugh KM**
Fechner RE See **de Lange EE**
Fechner RE See **Frei S**
Fechner RE See **Keats TE**
Fechner RE See **Pope TL Jr**
Feczko PJ See **Mezwa DG**
Feczko PJ: increased frequency of reactions to contrast materials during gastrointestinal studies, Radiology 1990; **174:** 367
Feczko PJ: reactions to contrast materials during gastrointestinal studies: reply, Radiology 1990; **177:** 287
Feczko PJ; Mezwa DG: gastrointestinal carcinomas in renal transplant recipients, Gastrointest Radiol 1991; **16:** 351
Feczko PJ; Mezwa DG: nonspecific radiographic abnormalities in collagenous colitis, Gastrointest Radiol 1991; **16:** 128
Feczko PJ; Simms SM; Bakirci N: fatal hypersensitivity reaction during a barium enema, AJR 1989; **153:** 275
Feddersen RM See **Peterson KK**
Federico JA; Horner WR; Clark DE; et al: blunt hepatic trauma: nonoperative management in adults, (ab), Radiology 1991; **178:** 290
Federico M; Iannone A; Chan HC; et al: bone marrow uptake of liposome-entrapped spin label after liver blockade with empty liposomes, Magn Res Med 1989; **10:** 418
Federle L; Dorta M; Brioschi D; et al: pregnancies in septate uteri: outcome in relation to site of uterine implantation as determined by sonography, AJR 1989; **152:** 781
Federle MP See **Böck JC**
Federle MP See **Miller WJ**
Federle MP See **Orwig D**
Federle MP See **Rizzo MJ**
Fedullo PF; Kapitan KS; Brewer NS; et al: patterns of pulmonary perfusion scans in normal subjects. IV. the prevalence of abnormal scans in smokers 30 to 49 years of age, (ab), Radiology 1989; **173:** 290
Feeley MM See **Raaphorst GP**
Feeney DA See **Whiteley MB**
Feenstra O See **Rabitsch H**
Feggi L; Prandini N; Pansini G; et al: immunoscintigraphic localization in a benign thyroid neoplasm of a monoclonal antibody directed against melanoma, Clin Nucl Med 1991; **16:** 340
Feider HK See **Czarnecki DJ**
Feider HK; Yuille DL: epidural cavernous hemangioma of the spine, AJNR 1991; **12:** 243
Feig SA See **Haus AG**
Feig SA: decreased breast cancer mortality through mammographic screening: reply, Radiology 1989; **170:** 575
Feig SA: role of ultrasound in a breast imaging center, Semin US CT MR 1989; **10:** 90
Feig SA; Ehrlich SM: estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Radiology 1990; **174:** 638
Feig SA; Ehrlich SM: estimation of radiation risk from screening mammography: reply, Radiology 1990; **176:** 877
Feigin DS: misconceptions regarding the pathogenicity of silicas and silicates, J Thorac Imag 1989; **4-1:** 68
Feiglin DH See **Miron SD**
Feiglin DH See **Murphy WD**
Fein V See **Hann LE**
Feinberg DA See **Oshio K**
Feinberg DA; Jakab PD: tissue perfusion in humans studied by Fourier velocity distribution, line scan, and echo-planar imaging, Magn Res Med 1990; **16:** 280
Feinberg DA; Oshio K: GRASE (gradient- and spin-echo) MR imaging: a new fast clinical imaging technique, Radiology 1991; **181:** 597
Feinberg DA; Turner R; Jakab PD; et al: echo-planar imaging with asymmetric gradient modulation and inner-volume excitation, Magn Res Med 1990; **13:** 162
Feinberg MJ See **Ekberg O**
Feinberg MJ; Ekberg O: deglutition after near-fatal choking episode: radiologic evaluation, Radiology 1990; **176:** 637
Feinberg MJ; Ekberg O: videofluoroscopy in elderly patients with aspiration: importance of evaluating both oral and pharyngeal stages of deglutition, AJR 1991; **156:** 293
Feiner HD See **Mitnick JS**
Feingold E See **Kishore S**
Feinstein KA See **Fernbach SK**
Feinstein-Jaffe I; Boazi M; Tor Y: assessment of the purity of d,l HM-PAO from diastereomeric mixtures using NMR techniques, J Nucl Med 1989; **30:** 106
Feitsma HIJ See **Calame W**
Felber S See **Simma B**
Feld R See **Segal S**
Feld R; Kurtz AB; Zeman RK: imaging the gallbladder: a historical perspective, AJR 1991; **156:** 737
Feld RI See **Kurtz AB**
Feldberg MA; Hendriks AV; Van Leeuwen MS; et al: retroperitoneal cystic lymphangioma: section imaging in two cases, and review of the literature, Clin Imag 1990; **14:** 26
Feldberg MAM See **Becking WB**
Feldberg MAM See **Klinge J**
Feldberg MAM See **Meyers MA**
Feldberg MAM See **van Waes PFGM**
Feldberg MAM See **Willemse APP**
Felder E See **Musu C**
Felder E See **Pavone P**
Felder E See **Vittadini G**
Feldesman MR See **Lin MC**
Feldesman MR See **Wolf SI**
Feldges A See **Dietrich U**
Feldhaus RJ See **Sterpetti AV**
Feldman A: sketch of the technical history of radiology from 1896 to 1920, Radiographics 1989; **9:** 1113
Feldman E; Gandy SE; Becker R; et al: MRI demonstrates descending transtentorial herniation, (ab), Radiology 1989; **170:** 588
Feldman F See **Rubin SJ**
Feldman F See **Singson RD**
Feldman F: skeletal manifestations of ectopic or inappropriate endocrine and metabolic syndromes, Radiol Clin North Am 1991; **29:** 119
Feldman F; Singson RD; Staron RB: magnetic resonance imaging of para-articular and ectopic ganglia, Skeletal Radiol 1989; **18:** 353
Feldman JM See **Hanson MW**
Feldman L See **Howerton RM**
Feldman L See **Samaraweera RN**
Feldman RK; Freeny PC; Kozarek RA: pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Radiology 1990; **174:** 793
Feldman RL; Jalowiec DA; Hill JA; et al: contrast media-related complications during cardiac catheterization using Hexabrix™ or Renografin™ in high-risk patients, (ab), Radiology 1989; **170:** 293
Feldman W See **Shanon A**
Feldmann HJ; Molls M; Adler S; et al: hyperthermia in eccentrically located pelvic tumors: excessive heating of the perineal fat and normal tissue temperatures, Int J Radiat Oncol Biol Phys 1991; **20:** 1017
Feldmann M See **Parisot S**
Felice V See **Moote DJ**
Feliciani M See **Mori S**
Feliciano P See **Taylor LM Jr**
Felix R See **Hosten N**
Felix R See **Kaminsky S**
Felix R See **Langer M**
Felker RE See **Brown DL**
Felker RE See **DiSessa TG**
Felker RE See **Emerson DS**
Felker RE; Cartier MS; Emerson DS; et al: ultrasound of the fetal thymus, J Ultrasound Med 1989; **8:** 669
Felker RE; Tonkin ILD: imaging of pulmonary sequestration, AJR 1990; **154:** 241
Fell S See **Goldberg HI**
Fell SC See **Thoeni RF**
Fellmeth B See **Bookstein JJ**
Fellmeth BD See **Teitelbaum GP**
Fellmeth BD; Bookstein JJ; Lurie AL: ultralong, reverse-curve angiographic catheter, Radiology 1989; **172:** 872
Fellmeth BD; Bookstein JJ; Lurie AL; Dillard JP: rapid progression of peripheral vascular disease after diagnostic angiography, Radiology 1990; **175:** 71
Fellmeth BD; Roberts AC; Bookstein JJ; Freischlag JA; Forsythe JR; Buckner NK; Hye RJ: postangiographic femoral artery injuries: nonsurgical repair with US-guided compression, Radiology 1991; **178:** 671
Fellows KE See **Sweezey NB**
Fellows KE; Hoffer FA; Markowitz RI; O'Neill JA Jr: multiple collaterals to hepatic infantile hemangioendotheliomas and arteriovenous malformations: effect on embolization, Radiology 1991; **181:** 813
Felman AH: Tillaux fractures of the tibia in (adolescents), Pediatr Radiol 1989; **20:** 87
Felmlee JP See **Ehman RL**
Felmlee JP See **Korin HW**
Felmlee JP See **Lodes CC**
Felmlee JP; Ehman RL; Riederer SJ; et al: adaptive motion compensation in MRI: accuracy of motion measurement, Magn Res Med 1991; **18:** 207
Felmlee JP; Ehman RL; Riederer SJ; Korin HW: adaptive motion compensation in MR imaging without use of navigator echoes, Radiology 1991; **179:** 139
Felmlee JP; Gray JE; Leetzow ML; et al: estimated fetal radiation dose from multislice CT studies, AJR 1990; **154:** 185
Felmlee JP; Morin RL; Salutz JR; Lund GB: magnetic resonance imaging phase encoding: a pictorial essay, Radiographics 1989; **9:** 717
Felsenberg D See **Kalender WA**
Felson B: azygos lobe: its variation in health and disease, Semin Roentgenol 1989; **24:** 56
Felson B: proposed list of abbreviations, Radiology 1989; **170:** 283
Felson B: ruptured anomalous right subclavian artery: aneurysm or diverticulum?, Semin Roentgenol 1989; **24:** 121
Felson B: superior vena cava: conventional projections, Semin Roentgenol 1989; **24:** 91
Felson B; Strife JL: cervical aortic arch: a commentary, Semin Roentgenol 1989; **24:** 114
Felson DT See **Hannan MT**
Felteliius N See **Ahlström H**
Feltrin GP See **Savastano S**
Fencil L See **Williams DM**
Fencil LE See **Hoffmann KR**
Fendel H See **Schneider K**
Fendley SM See **Green WJ**
Fenn JO: basic physics of radiation therapy. 3rd ed, Radiology 1991; **181:** 182
Fennessy JJ See **Katsuragawa S**
Fennessy DR See **Murphy PH**
Fenster A See **Munro P**
Fenstermacher MJ; Nakata H; Tajima A; et al: functional variations in parenchymal microvascular systems within the brain, Magn Res Med 1991; **19:** 217
Fenstermacher MJ; Narayana PA: serial proton magnetic resonance spectroscopy of ischemic brain injury in humans, Invest Radiol 1990; **25:** 1034
Fentiman IS: treatment of in situ breast cancer, Acta Oncol 1989; **28:** 923
Fenton AC; Papathoma E; Evans DH; et al: neonatal cerebral venous flow velocity measurement using a color flow Doppler system, JCU 1991; **19:** 69
Fenton AH See **Horattas MC**
Fenton BM See **Rofstad EK**
Feola JM See **Maruyama Y**
Ferbert A See **Brückmann H**
Ferdeghini EM; Pinamonti B; Picano E; et al: quantitative texture analysis in echocardiography: application to the diagnosis of myocarditis, JCU 1991; **19:** 263
Ferency GF See **Jacobson AF**
Ferency GF See **Schwartz AN**
Ferencz C See **Martin GR**
Ferencz G See **Fernandez RE**
Fereshetian A; Kadir S; Kaufman SL; et al: digital subtraction spinal cord angiography in patients undergoing thoracic aneurysm surgery, Cardiovasc Intervent Radiol 1989; **12:** 7
Ferguson C See **Bradley EL III**
Ferguson CA See **Burdeny DA**
Ferguson CJ See **Wan SKH**
Ferguson KA See **Sumners JE**
Ferguson RDG See **Abbitt PL**
Ferguson S See **Cooper SG**
Ferkel RD See **Brahme SK**
Ferland S See **LeBlanc J**
Fermont DC See **Makepeace AR**
Fernandes VB See **Lee KS**
Fernandez C; Rosell R; Abad-Esteve A; et al: quality of life during chemotherapy in non-small cell lung cancer patients, Acta Oncol 1989; **28:** 29

Fernandez EJ See Murphy MK
Fernandez GG; Coblentz CL; Cooper C; Sallee DS: Hickman nodule: a mimic of metastatic disease, Radiology 1989; **171:** 401
Fernandez JMR See Maldonado J
Fernandez M See Bernardino M
Fernandez MdP See Murphy FB
Fernandez MdP; Bernardino ME: hepatic pseudolesion: appearance of focal low attenuation in the medial segment of the left lobe at CT arterial portography, Radiology 1991; **181:** 809
Fernandez MdP; Bernardino ME; Neylan JF; et al: diagnosis of pancreatic transplant dysfunction: value of gadopentetate dimeglumine-enhanced MR imaging, AJR 1991; **156:** 1171
Fernandez OA See Stewart CA
Fernandez PL; Gómez M; Caballero T; et al: prostatic acid phosphatase in cloacogenic carcinoma, Acta Oncol 1990; **29:** 776
Fernandez R See Abad J
Fernandez RE; Rothberg M; Ferencz G; et al: Lyme disease of the CNS: MR imaging findings in 14 cases, AJNR 1990; **11:** 479
Fernandez-Ulloa M See Black RR
Fernandez-Ulloa M See Hirsch H
Fernandez-Ulloa M; Vasavada PJ; Black RR: detection of acute osteomyelitis with indium-111 labeled white blood cells in a patient with sickle cell disease, Clin Nucl Med 1989; **14:** 97
Fernando I See Moskovic E
Fernbach SK See Dunnick NR
Fernbach SK See Glass RBJ
Fernbach SK See Gore MD
Fernbach SK: imaging of neonatal renal masses, Urol Radiol 1991; **12:** 214
Fernbach SK: pediatric case of the day, Radiographics 1990; **10:** 513
Fernbach SK: urethral abnormalities in male neonates with VATER association, AJR 1991; **156:** 137
Fernbach SK; Bernfield JB: positional variation in the ultrasound appearance of the renal pelvis, Pediatr Radiol 1990; **21:** 45
Fernbach SK; Feinstein KA: deformed petrous bone: a new plain film sign of premature lambdoid synostosis, AJR 1991; **156:** 1215
Fernbach SK; Feinstein KA; Zaontz MR: urinoma formation in posterior urethral valves: relationship to later renal function, Pediatr Radiol 1990; **20:** 543
Fernbach SK; Gore MD; Poznanski AK: pediatric case of the day: annual meeting, 1988, Radiographics 1989; **9:** 774
Fernbach SK; Poznanski AK: pediatric case of the day, annual meeting, 1988, Radiographics 1989; **9:** 359
Fernbach SK; Poznanski AK: pediatric case of the day: annual meeting, 1988, Radiographics 1989; **9:** 563
Fernbach SK; Poznanski AK: pediatric case of the day: annual meeting, 1988, Radiographics 1989; **9:** 968
Fernö M See Borg Å
Fernö M See Lindahl B
Fernö M; Borg Å; Johansson U: enzyme immunoassay of progesterone receptor in breast cancer biopsy samples: a comparison with the dextran coated charcoal method, Acta Oncol 1989; **28:** 19
Fernö M; Borg Å; Johansson U; et al: estrogen and progesterone receptor analyses in more than 4000 human breast cancer samples: a study with special reference to age at diagnosis and stability of analyses, Acta Oncol 1990; **29:** 129
Ferraioli G See Sabbá C
Ferrandiz A See Casado-Naranjo I
Ferrando JR See Evans SE
Ferrante SL; Schreiman JS; Rouse JW; et al: iopamidol as a gastrointestinal contrast agent: lack of peritoneal reactivity, Invest Radiol 1990; **25:** 141
Ferrara JA See Kantorowitz DA
Ferrara JLM See Macklis RM
Ferrari C See Livraghi T
Ferrari M See Michelassi F
Ferraro M See Morton EJ
Ferrazzi E; Vegni C; Bellotti M; et al: role of umbilical Doppler velocimetry in the biophysical assessment of the growth-retarded fetus: answers from neonatal morbidity and mortality, J Ultrasound Med 1991; **10:** 309
Ferreiro GA See Selch MT
Ferreiro JL See Reginato AJ
Ferreirós J; León NG; Mata MI; et al: computed tomography in abdominal Castleman's disease, JCAT 1989; **13:** 433
Ferrell WR; Hillman BJ; Brewer ML; et al: interactive, mathematical, and sequential consultative methods in diagnosing renal masses on excretory urograms, Invest Radiol 1989; **24:** 456
Ferrer R See Vilar JS
Ferrero A; Céspedes M; Cantarero JM; et al: peritonitis due to rupture of retroperitoneal teratoma: computed tomography diagnosis, Gastrointest Radiol 1990; **15:** 251
Ferriére J-M See Grenier N
Ferris E See Hunter DW
Ferris EJ See McCowan TC
Ferris EJ See Murphy TP
Ferris EJ: transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, JVIR 1991; **2:** 198
Ferris EJ; Baron MG; Becker GJ; Gardiner GA Jr; Levin D: cardiovascular and interventional radiology fellowship training programs, Radiology 1989; **170:** 959
Ferris EJ; Harmon BH; Tonkin ILD; Edeiken BS; Becker GJ; Pfister RG; Osborn AG: image interpretation session, Radiographics 1989; **9:** 85
Ferris NJ; Siu KH: neurofibromatosis 2: report of an affected kindred, with a discussion of imaging strategy, Australas Radiol 1990; **34:** 229
Ferroni P See Colcher D
Ferrucci JT See Brink JA
Ferrucci JT See Egglin TK
Ferrucci JT See Elizondo G
Ferrucci JT See Gaa J
Ferrucci JT See Hahn PF
Ferrucci JT See Kammer B
Ferrucci JT See Mueller PR
Ferrucci JT See Rummeny E
Ferrucci JT See Simeone JF
Ferrucci JT See Tung GA
Ferrucci JT See Weissleder R
Ferrucci JT: biliary lithotripsy: 1989, AJR 1989; **153:** 15
Ferrucci JT: liver tumor imaging: current concepts, AJR 1990; **155:** 473
Ferrucci JT; Stark DD: iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years, AJR 1990; **155:** 943
Ferrucci JT Jr See Fretz CJ
Ferrucci JT Jr See Saini S
Ferry JA See Heitmiller RF
Ferry JD See Freitas JE
Ferry KB See Erdman WA
Fertel D See Giyanani VL
Fessenden P See Cox RS
Fessenden P See Samulski TV
Fessenden P See Waterman FM
Festen C See Reijnen JAM
Fetterman RC See Sigal SL
Feuerstein IM See Goldberg HI
Feuerstein IM: semiautomated slide identification by using a personal computer and printer, AJR 1989; **152:** 861
Feuerstein IM; Archer A; Pluda JM; Francis PS; Falloon J; Masur H; Pass HI; Travis WD: thin-walled cavities, cysts, and pneumothorax in *Pneumocystis carinii* pneumonia: further observations with histopathologic correlation, Radiology 1990; **174:** 697
Feuerstein IM; Francis PS; Raffeld M; et al: widespread visceral calcifications in disseminated *Pneumocystis carinii* infection: CT characteristics, JCAT 1990; **14:** 149
Feuerstein IM; Girton ME: choice of contrast material for four-hour delayed contrast-enhanced computed tomography of the liver, Invest Radiol 1989; **24:** 776
Feuerstein IM; Shawker TH; Savarese DMF: CT demonstration of calcifying sludge balls, JCAT 1990; **14:** 325
Feuilhade F See Calitchi E
Feuillan P See Pfeffer S
Feun L See Serafini AN
Feussner JR See Econs MJ
Feyerabend A See Lear JL
Feyerabend AJ See Lear JL
Feyerabend T; Kapp B; Richter E; et al: incidence of hypothyroidism after irradiation of the neck with special reference to lymphoma patients: a retrospective and prospective analysis, Acta Oncol 1990; **29:** 597
Feyerabend T; Schmitt R; Lanz U; et al: CT morphology of benign median nerve tumors: report of three cases and a review, Acta Radiol 1990; **31:** 23
Feyock AL See Dillon EH
Feyock AL See Kier R
Feyock AL See Taylor KJW
Fezoulidis I; Neuhold A; Wicke L; et al: diagnostic imaging of the occipito-cervical junction in patients with rheumatoid arthritis: plain films, computed tomography, magnetic resonance imaging, Eur J Radiol 1989; **9:** 5
Fezoulidis J See Fruehwald FXJ
Fiala M See Witte MH
Fichte H See Kalender WA
Fichtenbaum C See Monteferrante ML
Fiegel VD See Knighton DR
Fiel SB See Friedman AC
Field J See Brereton IM
Field J See Doddrell DM
Field J See Galloway GJ
Field RE; Dixon AK; Lawrence JP; et al: bone density distribution within the femoral head and neck: an examination by high-resolution computed tomography, Skeletal Radiol 1990; **19:** 319
Fielding JA: improving accident and emergency radiology, Clin Radiol 1990; **41:** 149
Fielding JR; Franklin PD; Kustan J: popliteal cysts: a reassessment using magnetic resonance imaging, Skeletal Radiol 1991; **20:** 433
Fielding JR; Owens M; Naimark A: intrathoracic extramedullary hematopoiesis secondary to B12 and folate deficiency: CT appearance, JCAT 1991; **15:** 308
Fields JM See Jackson A
Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA: juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Radiology 1990; **176:** 263
Fields JN; Perez CA; Kuske RR; et al: inflammatory carcinoma of the breast: treatment results on 107 patients, Int J Radiat Oncol Biol Phys 1989; **17:** 249
Fields MD See Mulligan SA
Fields S See Malatskey A
Fields SI See Bloom RA
Fields SI See Nitzan DW
Fiessinger JN See Long AL
Fietkau R See Lang W
Fietkau R See Seegenschmiedt MH
Fife RS; Brandt KD; Braunstein EM; et al: relationship between arthroscopic evidence of cartilage damage and radiographic evidence of joint space narrowing in early osteoarthritis of the knee, (ab), Radiology 1991; **181:** 614
Fig L See Geatti O
Fig LM See Khafagi FA
Fig LM See Tobes MC
Fig LM; Gross MD: metastatic prostate carcinoma mimicking Paget's disease on bone imaging, Clin Nucl Med 1989; **14:** 777
Fig LM; Shulkin BL: quantification of bone mineralizaton by dual photon absorptiometry in osteopetrosis, Clin Nucl Med 1989; **14:** 544
Fig LM; Wahl RL; Stewart RE; Shapiro B: morphine-augmented hepatobiliary scintigraphy in the severely ill: caution is in order, Radiology 1990; **175:** 467
Figiel GS See Doraiswamy PM
Figiel GS See Vannier MW
Figueroa P See Morrison K
Figueroa RE; El Gammal T; Brooks BS; et al: MR findings on primitive neuroectodermal tumors, JCAT 1989; **13:** 773
Fijan RS See Hodge WA
Filderman AE; Coppage L; Shaw C; et al: biology of pulmonary metastatic disease, Invest Radiol 1990; **25:** 215
Fildes RD See Tarkington MA
Filiatrault D See Garel L
Filiatrault D See Morin C
Filiatrault D See Vignault F
Filice R See Woods D
Filion RB See McLoud TC
Filipczyński L; Etienne J: capacitance hydrophones for pressure determination in lithotripsy, Ultrasound Med Biol 1990; **16:** 157
Filipczyński L; Piechocki M: estimation of the temperature increase in the focus of a lithotripter for the case of high rate administration, Ultrasound Med Biol 1990; **16:** 149
Filippi de la Palavesa MM See Dietemann JL
Filler RM See Boxen I
Filling-Katz MR See Choyke PL
Filling-Katz MR; Choyke PL; Patronas NJ; et al: radiologic screening for von Hippel-Lindau disease: the role of Gd-DTPA enhanced MR imaging of the CNS, JCAT 1989; **13:** 743
Filly RA See Barth RA
Filly RA See Burton DJ
Filly RA See Goldstein RB
Filly RA See Heiserman J
Filly RA See LaFollette L
Filly RA See Langer JC
Filly RA See Munoz C
Filly RA See Patten RM
Filly RA See Rouse GA
Filly RA: earlier diagnosis of fetal anomalies: *quo vadis?*, Radiology 1991; **181:** 627
Filly RA: level 1, level 2, level 3 obstetric sonography: I'll see your level and raise you one, Radiology 1989; **172:** 312
Filly RA: radiology residency training in diagnostic sonography, J Ultrasound Med 1989; **8:** 475
Filly RA: radiology residency training in diagnostic sonography: recommendations of the Society of Radiologists in Ultrasound, Radiology 1989; **172:** 577
Filly RA: recognition for sonographers: reply, Radiology 1990; **174:** 578
Filly RA; Cardoza JD; Goldstein RB; Barkovich AJ: detection of fetal central nervous system anomalies: a practical level of effort for a routine sonogram, Radiology 1989; **172:** 403
Filly RA; Goldstein RB; Callen PW: fetal ventricle: importance in routine obstetric sonography, Radiology 1991; **181:** 1

Filly RA; Goldstein RB; Callen PW: monochorionic twinning: sonographic assessment, AJR 1990; **154:** 459
Filmer RB; Spencer JR: malignancies in bladder augmentations and intestinal conduits, (ab), Radiology 1991; **178:** 292
Filo RS See **Bogan ML**
Filo RS See **Don S**
Filo RS See **Kopecky KK**
Filo RS See **Sheets PW**
Finberg HJ See **Patten RM**
Finberg HJ; Kurtz AB; Johnson RL; et al: biophysical profile: a literature review and reassessment of its usefulness in the evaluation of fetal well-being, J Ultrasound Med 1990; **9:** 583
Finch IJ See **Wood LP**
Finch IJ: preoperative CT-guided percutaneous localization of small masses with a Kopans needle, AJR 1991; **157:** 179
Finch IJ; Sun Y; Shatsky SA: technique for cranial CT scanning of excessively obese patients, AJNR 1989; **10:** 434
Finch J See **Blake SW**
Finch OPF See **Mahendron M**
Finci L; Meier B; Favre J; et al: long-term results of successful and failed angioplasty for chronic total coronary arterial occlusion, (ab), Radiology 1991; **179:** 294
Finck EJ See **Levey DS**
Finck EJ See **Molgaard CP**
Finck EJ See **Terasaki KK**
Findley DO See **Luxton G**
Findley DO See **Williams LE**
Findley GM See **Sumners JE**
Findley LJ See **Frazier WD**
Fine C See **Gluck CD**
Fine EJ: interventions in renal scintirenography, Semin Nucl Med 1991; **21:** 116
Fine EJ; Sarkar S: differential diagnosis and management of renovascular hypertension through nuclear medicine techniques, Semin Nucl Med 1989; **19:** 101
Fine H; Gordon RL; Lebensart PD: extracorporeal shock wave lithotripsy and stents: fluoroscopic observations and a hypothesis on the mechanisms of stent function, Urol Radiol 1989; **11:** 37
Fine M See **Horowitz SW**
Fine M; Barron JT; Gordon DL; et al: sellar enlargement due to ectatic carotid arteries: CT and MR demonstration, JCAT 1990; **14:** 488
Fine PG See **Alvord LS**
Fineberg BB See **Kovalic JJ**
Finegold R See **Semelka RC**
Finelli PF; Bergen R: spontaneous pneumocephalus with meningitis: CT demonstration, JCAT 1991; **15:** 525
Fineman DS See **Palestro CJ**
Fineman DS; Baran SD; Palestro CJ; et al: multidisciplinary imaging of Budd-Chiari syndrome, Clin Nucl Med 1989; **14:** 372
Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ: detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Radiology 1989; **170:** 677
Finerman GAM See **Grover JS**
Finestone H See **Goldfarb CR**
Finestone H See **Schoeneman MJ**
Finestone H; Goldfarb CR; Ongseng F; et al: scintigraphic pattern of pneumothorax complicating pneumocystis carinii *Pneumonia* in patients with AIDS, Clin Nucl Med 1990; **15:** 566
Finfer MD; Schinella RA; Rothstein SG; et al: cystic parotid lesions in patients at risk for the acquired immunodeficiency syndrome, (ab), Radiology 1989; **172:** 589
Fink GD; Montgomery JA; David F; et al: metabolism of β-methyl-heptadecanoic acid in the perfused rat heart and liver, J Nucl Med 1990; **31:** 1823
Fink JA; Jones BT: Greenfield filter as the primary means of therapy in venous thromboembolic disease, (ab), JVIR 1991; **2:** 415
Fink MP See **Raptopoulos V**
Fink MP See **Scatamacchia SA**
Fink U; Heywang SH; Hilbertz T; et al: peripheral DSA with automated stepping, Eur J Radiol 1991; **13:** 50
Fink U; Heywang SH; Mayr B; et al: subtracted versus non-subtracted digital imaging in peripheral angiography, Eur J Radiol 1989; **9:** 236
Finkbeiner WE See **Saeed M**
Fink-Bennett D See **Balon HR**
Fink-Bennett D: augmented cholescintigraphy: its role in detecting acute and chronic disorders of the hepatobiliary tree, Semin Nucl Med 1991; **21:** 128
Fink-Bennett D; Balon HR; Irwin R: sequential technetium-99m sulfur colloid/indium-111 white blood cell imaging in macroglobulinemia of Waldenstrom, Clin Nucl Med 1990; **15:** 389
Fink-Bennett D; Balon HR; Robbins T; et al: morphine-augmented cholescintigraphy: its efficacy in detecting acute colecystitis, J Nucl Med 1991; **32:** 1231
Fink-Bennett D; Clarke K; Tsai D; et al: indium-111-leukocyte imaging in acute cholecystitis, J Nucl Med 1991; **32:** 803
Fink-Bennett D; DeRidder P; Kolozsi WZ; et al: cholecystokinin cholescintigraphy: detection of abnormal gallbladder motor function in patients with chronic acalculous gallbladder disease, J Nucl Med 1991; **32:** 1695
Finke R See **Fobbe F**
Finkelstein J See **Grassi CJ**
Finkelstein MS See **Mandell GA**
Finkelstein MS; Mandell GA; Tarbell KV: hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine the imaging modality, Radiology 1990; **177:** 759
Finklestein M See **Shortsleeve MJ**
Finklestein SD See **Schwartz GF**
Finlay CD See **Tam CKH**
Finlay DBL See **Maskell TW**
Finlay IG See **Poon FW**
Finlay M See **Leen GLS**
Finley JP See **Tynan M**
Finn JP See **Edelman RR**
Finn JP See **Hall-Craggs MA**
Finn JP See **Mattle HP**
Finn JP See **Ng YY**
Finn JP See **Shepherd JK**
Finn JP See **Wallner BK**
Finn JP See **Yeung E**
Finn JP; Edelman RR; Jenkins RL; Lewis WD; Longmaid HE; Kane RA; Stokes KR; Mattle HP; Clouse ME: liver transplantation: MR angiography with surgical validation, Radiology 1991; **179:** 265
Finn JP; Hall-Craggs MA; Dicks-Mireaux C; et al: primary malignant liver tumors in childhood: assessment of resectability with high-field MR and comparison with CT, Pediatr Radiol 1990; **21:** 34
Finn RD See **Chen J-J**
Finney NR See **Morse SS**
Fioravanti C See **Gould RJ**
Fiorelli M; Duboc D; Pappatà S; et al: intracranial arachnoid cysts in myotonic dystrophy, Neuroradiol 1991; **33:** 258
Fiorentino A See **Ronga G**
Fiori P See **Bianchi E**
Fiorica JV See **Brown HK**
Fippin LF See **Halberg FE**
Firat MM See **Marsot-Dupuch K**
Firmin DN See **Kilner PJ**
Firmin DN See **Mohiaddin RH**
Firmin DN; Klipstein RH; Hounsfield GL; et al: echo-planar high-resolution flow velocity mapping, Magn Res Med 1989; **12:** 316
Firmin DN; Nayler GL; Kilner PJ; et al: application of phase shifts in NMR for flow measurement, Magn Res Med 1990; **14:** 230
Firnau G See **Coates G**
Firooznia H See **Golimbu CN**
Firooznia H See **Rafii M**
Firooznia H See **Rusinek H**
Firth JL See **Stehling MK**
Fisch D See **Parsonnet V**
Fischbach R See **Krestin GP**
Fischer AP See **Luetmer PH**
Fischer C See **Froment JC**
Fischer D See **Haffty BG**
Fischer E See **Hamm B**
Fischer HW See **Benness GT**
Fischer HW: medicine: preserving the passion, Radiology 1989; **171:** 396
Fischer HW: particles, Invest Radiol 1990; **25:** S2
Fischer HW: perfecting the world: the life and times of Dr. Thomas Hodgkin, 1798–1866, Radiology 1990; **174:** 320
Fischer HW; Rinck PA; Van Haverbeke Y; et al: nuclear relaxation of human brain gray and white matter: analysis of field dependence and implications for MRI, Magn Res Med 1990; **16:** 317
Fischer HW; Van Haverbeke Y; Rinck PA; et al: effect of aging and storage conditions on excised tissues as monitored by longitudinal relaxation dispersion profiles, Magn Res Med 1989; **9:** 315
Fischer HW; Van Haverbeke Y; Schmitz-Feuerhake I; et al: uncommon longitudinal relaxation dispersion of human brain white matter, Magn Res Med 1989; **9:** 441
Fischer J See **Witzmann A**
Fischer JJ See **Haffty BG**
Fischer KC See **Root JD**
Fischer ME See **Breger RK**
Fischer ME See **Sether LA**
Fischer ME See **Yetkin FZ**
Fischer SP; Fox JM; Del Pizzo W; et al: accuracy of diagnoses from magnetic resonance imaging of the knee: a multi-center analysis of one thousand and fourteen patients, (ab), Radiology 1991; **180:** 591
Fischman AJ See **Morrel EM**
Fischman AJ See **Pieri P**
Fischman AJ See **Rocco TP**
Fischman AJ See **Rubin RH**
Fischman AJ See **Scott JA**
Fischman AJ See **Weissleder R**
Fischman AJ; Moore RH; Gill JB; et al: gated blood pool tomography: a technology whose time has come, Semin Nucl Med 1989; **19:** 13
Fischman AJ; Pike MC; Kroon D; et al: imaging focal sites of bacterial infection in rats with indium-111-labeled chemotactic peptide analogs, J Nucl Med 1991; **32:** 483
Fischman AJ; Rubin RH; Khaw BA; et al: radionuclide imaging of experimental atherosclerosis with nonspecific polyclonal immunoglobulin G, J Nucl Med 1989; **30:** 1095
Fischman AJ; Rubin RH; White JA; et al: localization of Fc and Fab fragments of nonspecific polyclonal IgG at focal sites of inflammation, J Nucl Med 1990; **31:** 1199
Fisel CR See **Saini S**
Fisel CR; Ackerman JL; Buxton RB; et al: MR contrast due to microscopically heterogeneous magnetic susceptibility: numerical simulations and applications to cerebral physiology, Magn Res Med 1991; **17:** 336
Fish BG See **Greenberg MA**
Fish BL See **Moulder JE**
Fish PJ: nonstationarity broadening in pulsed Doppler spectrum measurements, Ultrasound Med Biol 1991; **17:** 147
Fishbein M See **Salimi Z**
Fishbein MJ; Awwad EE; Sundaram M; et al: intracranial protrusion of the glenoid fossa: CT findings, JCAT 1989; **13:** 1093
Fishell EK; Foster FS; Connor T; et al: clinical performance of a cone/annular array ultrasound breast scanner, Ultrasound Med Biol 1990; **16:** 361
Fisher C See **Moskovic E**
Fisher C See **O'Connell MEA**
Fisher CF See **Harms SE**
Fisher DJ See **Yuh WTC**
Fisher DM: sedation of pediatric patients: an anesthesiologist's perspective, Radiology 1990; **175:** 613
Fisher DM; Litt L; Coté CJ: use of oximetry during MR imaging of pediatric patients, Radiology 1991; **178:** 891
Fisher DR See **De Smet AA**
Fisher DR See **Gorodetsky R**
Fisher EA; Goldman ME: simple, rapid method for quantification of tricuspid regurgitation by two-dimensional echocardiography, (ab), Radiology 1990; **174:** 293
Fisher JS See **Yucel EK**
Fisher L; O'Donnell CJ: complication of a Morgagni hernia, Australas Radiol 1990; **34:** 86
Fisher M See **Bhat S**
Fisher MF: atlas of roentgenographic measurement. 6th ed, Radiology 1991; **178:** 768
Fisher MF: nuclear medicine annual 1988, Radiology 1989; **171:** 62
Fisher MJ; Dillon PF: ^{31}P NMR study of insulin effects on the isolated perfused rabbit urinary bladder, Magn Res Med 1989; **9:** 53
Fisher MJ; Meyer RA; Adams GR; et al: direct relationship between proton T2 and exercise intensity in skeletal muscle MR images, Invest Radiol 1990; **25:** 480
Fisher MR See **Lee R**
Fisher MR See **Miller FH**
Fisher MR See **Nemcek AA Jr**
Fisher MS See **Macones AJ Jr**
Fisher PR See **Swett HA**
Fisher R See **Mameghan H**
Fisher RG; Ben-Menachem Y; Whigham C: stab wounds of the renal artery branches: angiographic diagnosis and treatment by embolization, AJR 1989; **152:** 1231
Fisher RM See **Oleszczuk-Raszke K**
Fisher RS See **Jeffery PJ**
Fisher RS; Frost JJ: epilepsy, J Nucl Med 1991; **32:** 651
Fisher SA See **Seegenschmiedt MH**
Fishman EK See **Bluemke DA**
Fishman EK See **Caskey CI**
Fishman EK See **Caslowitz PL**
Fishman EK See **Goldman SM**
Fishman EK See **Hennessey JG**
Fishman EK See **Jabra AA**
Fishman EK See **Jones B**
Fishman EK See **Kang YS**
Fishman EK See **Kawashima A**
Fishman EK See **Knowles MC**
Fishman EK See **Kronthal AJ**
Fishman EK See **Kuhlman JE**
Fishman EK See **Lewis ER**
Fishman EK See **Magid D**
Fishman EK See **Merine DS**
Fishman EK See **Meyers SA**
Fishman EK See **Mogavero GT**
Fishman EK See **Moore RD**
Fishman EK See **Ney DR**

Fishman EK See **Rabushka LS**
Fishman EK See **Reed JD Jr**
Fishman EK See **Scott WW Jr**
Fishman EK See **Soulen MC**
Fishman EK See **Trerotola SO**
Fishman EK See **Trinh TD**
Fishman EK See **Urban BA**
Fishman EK; Kavuru M; Jones B; Kuhlman JE; Merine DS; Lillimoe KD; Siegelman SS: pseudomembranous colitis: CT evaluation of 26 cases, Radiology 1991; **180:** 57
Fishman EK; Kuhlman JE; Jones RJ: CT of lymphoma: spectrum of disease, Radiographics 1991; **11:** 647
Fishman EK; Kuhlman JE; Schuchter LM; Miller JA III; Magid D: CT of malignant melanoma in the chest, abdomen, and musculoskeletal system, Radiographics 1990; **10:** 603
Fishman EK; Magid D; Kuhlman JE: *Pneumocystis carinii* involvement of the liver and spleen: CT demonstration, JCAT 1990; **14:** 146
Fishman EK; Magid D; Ney DR; et al: interactive 2D and 3D imaging of skeletal trauma, (ab), Radiology 1990; **176:** 591
Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD: three-dimensional imaging, Radiology 1991; **181:** 321
Fishman EK; Ney DR: multidimensional interactive display of CT and MRI data, Comput Med Imag Graph 1990; **14:** 237
Fishman IJ See **Corriere JN Jr**
Fishman IJ See **Shabsigh R**
Fishman JE; Aberle DR; Moldawer NP; et al: atypical contrast reactions associated with systemic interleukin-2 therapy, AJR 1991; **156:** 833
Fishman JE; Joseph PM; Carvlin MJ; et al: in vivo measurements of vascular oxygen tension in tumors using MRI of a fluorinated blood substitute, Invest Radiol 1989; **24:** 65
Fishman M; Talner LB: pancreatitis causing focal caliectasis, AJR 1991; **156:** 1005
Fisk NM See **Nicolaidis P**
Fisk NM; Dhillon HK; Ellis CE; et al: antenatal diagnosis of megalourethra in a fetus with the prune belly syndrome, JCU 1990; **18:** 124
Fitz CR See **Bulas DI**
Fitz CR See **Segall HD**
Fitz CR See **Taylor GA**
Fitzgerald DJ See **Braden GA**
Fitzgerald GWN See **Reddy ER**
Fitzgerald LT See **Amdur RJ**
Fitzgerald P; Donoghue V; Gorman W: bronchopulmonary dysplasia: a radiographic and clinical review of 20 patients, Br J Radiol 1990; **63:** 444
Fitzgerald PJ; Yock PG: double-line pattern of vessel walls at high-frequency US, Radiology 1991; **179:** 878
Fitzgerald R See **Davies AM**
Fitzgerald SW See **Nemcek AA Jr**
Fitzgerald SW; Erickson SJ; Foley WD; et al: color Doppler sonography in the evaluation of erectile dysfunction: patterns of temporal response to papaverine, AJR 1991; **157:** 331
Fitzgerald TJ See **Das IJ**
Fitzgerald TJ See **Santucci MA**
FitzGerald TJ; Henault S; Santucci MA; et al: recombinant murine GM-CSF increases resistance of some factor dependent hematopoietic progenitor cells to low-dose-rate gamma radiation, Int J Radiat Oncol Biol Phys 1989; **17:** 323
Fitzgibbon GM See **Lichter DG**
Fitzgibbon JF See **Bourgouin PM**
Fitzmorris-Glass R; Mattrey RF; Cantrell CJ: magnetic resonance imaging as an adjunct to ultrasound in oligohydramnios: detection of sirenomelia, J Ultrasound Med 1989; **8:** 159
Fitzpatrick C See **Sephton R**
Fitzpatrick GF See **Kaufman JA**
Fitzpatrick JD See **Holland P**
FitzRandolph RL See **Walker CW**
Fitzsimmons J See **Duensing R**
Fitzsimmons J See **Nyberg DA**
Fitzsimmons JR See **Mao J**
Fitzsimmons JR; Brooker HR; Beck B: comparison of double-tuned surface coils, Magn Res Med 1989; **10:** 302
Fix C See **Kursunoglu-Brahme S**
Fixsen JA See **Boothroyd AE**
Fjälling M See **Jansson S**
Flage T See **Rosengren B**
Flaherty AA See **Siemann DW**
Flaherty LE See **Baron NW**
Flak B; Ajzen S; Li DKB; et al: hemangioma of the liver: characteristics exhibited on a 0.15 tesla scanner, J Canad Assoc Radiol 1989; **40:** 135
Flak B; Li DKB; Knickerbocker WJ: case report 567, Skeletal Radiol 1989; **18:** 481
Flamant R: cancer epidemiology: implications for prevention and treatment, Int J Radiat Oncol Biol Phys 1990; **19:** 1575
Flamig DP See **Harms SE**
Flamig DP See **Pierce WB**
Flamm ES See **Yousem DM**
Flanagan TL See **Tribble CG**
Flanders AE See **Runge VM**
Flanders AE: acute cervical trauma: correlation of MR imaging findings with neurologic deficit: reply, Radiology 1991; **179:** 287
Flanders AE; Mafee MF; Rao VM; et al: CT characteristics of orbital pseudotumors and other orbital inflammatory processes, JCAT 1989; **13:** 40
Flanders AE; Schaefer DM; Doan HT; Mishkin MM; Gonzalez CF; Northrup BE: acute cervical spine trauma: correlation of MR imaging findings with degree of neurologic deficit, Radiology 1990; **177:** 25
Flandroy P See **Bauduin E**
Flandroy P; Grandfils C; Collignon J; et al: (D, L) polylactide microspheres as embolic agent: a preliminary study, Neuroradiol 1990; **32:** 311
Flanigan DP See **Sawchuk AP**
Flannery AM See **Fuchs S**
Flannery K See **Arad E**
Flannigan B; Kursunoglu-Brahme S; Snyder S; et al: MR arthrography of the shoulder: comparison with conventional MR imaging, AJR 1990; **155:** 829
Flannigan BD See **Brahme SK**
Flaum EG See **Som PM**
Flax H See **Smith TR**
Fleagle SR See **Scholz TD**
Fleagle SR; Thedens DR; Ehrhardt JC; et al: automated identification of left ventricular borders from spin-echo magnetic resonance images: experimental and clinical feasibility studies, Invest Radiol 1991; **26:** 295
Fleck R; McNeese MD; Ellerbroek NA; et al: consequences of breast irradiation in patients with pre-existing collagen vascular diseases, Int J Radiat Oncol Biol Phys 1989; **17:** 829
Fleckenstein JL; Archer BT; Barker BA; Vaughan JT; Parkey RW; Peshock RM: fast short-tau inversion-recovery MR imaging, Radiology 1991; **179:** 499
Fleckenstein JL; Bertocci LA; Nunnally RL; et al: exercise-enhanced MR imaging of variations in forearm muscle anatomy and use: importance in MR spectroscopy, AJR 1989; **153:** 693
Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ: differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Radiology 1991; **179:** 653
Fleckenstein JL; Weatherall PT; Parkey RW; Payne JA; Peshock RM: sports-related muscle injuries: evaluation with MR imaging, Radiology 1989; **172:** 793
Fleege MA; Jebson PJ; Renfrew DL; et al: pisiform fractures, Skeletal Radiol 1991; **20:** 169
Fleer EAM See **Unger C**
Fleetham JA See **Wiseman DA**
Fleetwood G; Bettmann MA; Gordon JL: effects of radiographic contrast media on myocardial contractility and coronary resistance: osmolality, ionic concentration, and viscosity, Invest Radiol 1990; **25:** 254
Fleischer AC See **Boiskin I**
Fleischer AC See **Hernanz-Schulman M**
Fleischer AC See **Tessler FN**
Fleischer AC See **Worrell JA**
Fleischer AC: new applications of pelvic sonography, Urol Radiol 1991; **13:** 9
Fleischer AC; Burnett LS; Murray MJ; Jones HW III: intraoperative guidance for intrauterine procedures with transrectal sonography, Radiology 1990; **176:** 576
Fleischer AC; Gordon AN; Entman SS: transabdominal and transvaginal sonography of pelvic masses, Ultrasound Med Biol 1989; **15:** 529
Fleischer AC; Gordon AN; Entman SS; et al: transvaginal scanning of the endometrium, JCU 1990; **18:** 337
Fleischer AC; Herbert CM III; Hill GA; et al: transvaginal sonography: applications in infertility, Semin US CT MR 1990; **11:** 71
Fleischer AC; Herbert CM III; Hill GA; et al: transvaginal sonography of the endometrium during induced cycles, J Ultrasound Med 1991; **10:** 93
Fleischer AC; Hinton AA; Glick AD; et al: duplex Doppler sonography of renal transplants: correlation with histopathology, J Ultrasound Med 1989; **8:** 89
Fleischer AC; Lombardi S; Kepple DM: guidance for cerclage using transrectal sonography, J Ultrasound Med 1989; **8:** 589
Fleischer AC; McKee MS; Gordon AN; et al: transvaginal sonography of postmenopausal ovaries with pathologic correlation, J Ultrasound Med 1990; **9:** 637
Fleischer AC; Penneil RG; McKee MS; Worrell JA; Keefe B; Herbert CM III; Hill GA; Cartwright PS; Kepple DM: ectopic pregnancy: features at transvaginal sonography, Radiology 1990; **174:** 375
Fleischer AC; Shah DM; Entman SS: sonographic evaluation of maternal disorders during pregnancy, Radiol Clin North Am 1990; **28:** 51
Fleisher AG; McElvaney G; Robinson CLN: multiple primary bronchogenic carcinomas: treatment and follow-up, (ab), Radiology 1991; **181:** 292
Fleisher GR See **Lieu TA**
Fleisher M See **Makhija M**
Fleming AD; Vintzileos AM; Rodis JF; et al: diagnosis of fetal ectopia cordis by transvaginal ultrasound, J Ultrasound Med 1991; **10:** 413
Fleming AD; Vintzileos AM; Scorza WE: prenatal diagnosis of occipital encephalocele with transvaginal sonography, J Ultrasound Med 1991; **10:** 285
Fleming JL; Wiesner RH; Shorter RG: Whipple's disease: clinical, biochemical, and histopathologic features and assessment of treatment in 29 patients, (ab), Radiology 1989; **170:** 296
Fleming JS See **Perring S**
Fleming RM See **Hay RV**
Fleming SJ See **Sargent MA**
Flemming BK See **Campbell DR**
Flentje M See **Görich J**
Fletcher BD See **Brooks MT**
Fletcher BD See **Hanna SL**
Fletcher BD See **Lemmi MA**
Fletcher BD; Cohn RC: tracheal compression and the innominate artery: MR evaluation in infants, Radiology 1989; **170:** 103
Fletcher BD; Hanna SL: musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Radiology 1990; **177:** 287
Fletcher BD; Miraldi FD; Cheung N-KV: comparison of radiolabeled monoclonal antibody and magnetic resonance imaging in the detection of metastatic neuroblastoma in bone marrow: preliminary results, Pediatr Radiol 1989; **20:** 72
Fletcher CJ See **Birch PD**
Fletcher EWL See **Spencer JA**
Fletcher G; Haughton VM; Ho K-C; et al: age-related changes in the cervical facet joints: studies with cryomicrotomy, MR, and CT, AJNR 1990; **11:** 27
Fletcher G; Haughton VM; Ho K-C; et al: age-related changes in the cervical facet joints: studies with cryomicrotomy, MR and CT, AJR 1990; **154:** 817
Fletcher GH See **Strom EA**
Fletcher GH See **Thoms WW Jr**
Fletcher GH See **Wong CS**
Fletcher GH; McNeese MD; Oswald MJ: long-range results for breast cancer patients treated by radical mastectomy and postoperative radiation without adjuvant chemotherapy: an update, Int J Radiat Oncol Biol Phys 1989; **17:** 11
Fletcher JA; Gibas Z; Donovan K; et al: ovarian granulosa-stromal cell tumors are characterized by trisomy 12, (ab), Radiology 1991; **181:** 293
Fletcher JE See **Fujimori K**
Fletcher RF See **Chapman S**
Fletcher RH See **Allard P**
Fletcher TB; Setiawan H; Harrell RS; Redman HC: posterior abdominal stab wounds: role of CT evaluation, Radiology 1989; **173:** 621
Flick P See **Teplick SK**
Flicker S See **Altin RS**
Flicker S See **LaManna MM**
Flicker S See **Steiner RM**
Flicker S; Naidech HJ; Altin RS; et al: ultrafast computed tomography techniques in cardiac disease, J Thorac Imag 1989; **4-3:** 42
Flickinger FW See **Darling JD**
Flickinger FW See **Seabold JE**
Flickinger FW See **White JE**
Flickinger FW See **Yuh WTC**
Flickinger FW; Lozano RL; Yuh WTC; et al: neurilemoma of the tongue: MR findings, JCAT 1989; **13:** 886
Flickinger FW; Yuh WTC; Nichols RD II; et al: solitary prostatic metastasis to the cerebellopontine angle: MR and CT findings, JCAT 1989; **13:** 1088
Flickinger JC See **Coffey RJ**
Flickinger JC: integrated logistic formula for prediction of complications from radiosurgery, Int J Radiat Oncol Biol Phys 1989; **17:** 879
Flickinger JC; Deutsch M; Lunsford LD: repeat megavoltage irradiation of pituitary and suprasellar tumors, Int J Radiat Oncol Biol Phys 1989; **17:** 171
Flickinger JC; Lunsford LD; Coffey RJ; et al: radiosurgery of acoustic neurinomas, (ab), Radiology 1991; **180:** 592

Flickinger JC; Lunsford LD; Singer J; et al: megavoltage external beam irradiation of craniopharyngiomas: analysis of tumor control and morbidity, Int J Radiat Oncol Biol Phys 1990; **19:** 117
Flickinger JC; Lunsford LD; Wu A; et al: predicted dose-volume isoeffect curves for stereotactic radiosurgery with the ^{60}Co gamma unit, Acta Oncol 1991; **30:** 363
Flickinger JC; Lunsford LD; Wu A; et al: treatment planning for gamma knife radiosurgery with multiple isocenters, Int J Radiat Oncol Biol Phys 1990; **18:** 1495
Flickinger JC; Maitz A; Kalend A; et al: treatment volume shaping with selective beam blocking using the Leksell gamma unit, Int J Radiat Oncol Biol Phys 1990; **19:** 783
Flickinger JC; Schell MC; Larson DA: estimation of complications for linear accelerator radiosurgery with the integrated logistic formula, Int J Radiat Oncol Biol Phys 1990; **19:** 143
Flinn WR See **Baxter BT**
Flinn WR See **Rizzo RJ**
Flint PW See **Varnell RM**
Flipo RM See **Delcambre B**
Flisak ME See **Budorick NE**
Flodmark O See **Roland EH**
Flodmark O See **Wiklund L-M**
Flodmark O; Lupton B; Li D; et al: MR imaging of periventricular leukomalacia in childhood, AJNR 1989; **10:** 111
Floersheim GL; Bieri A: further studies on selective radioprotection by organic zinc salts and synergism of zinc aspartate with WR 2721, Br J Radiol 1990; **63:** 468
Flom RA See **Dean BL**
Flom RA: computed tomography of the head and neck, Radiology 1989; **170:** 64
Floras P; Deliac P; Gross C; et al: neurotoxicity of iohexol vs iopamidol in lumbar myelography: clinical, electrophysiological and brain CT scan correlations, J Neuroradiol 1990; **17:** 190
Florence S See **Maguire C**
Flores AD; Nelems B; Evans K; et al: impact of new radiotherapy modalities on the surgical management of cancer of the esophagus and cardia, Int J Radiat Oncol Biol Phys 1989; **17:** 937
Florio E See **Grant CWM**
Florio E See **Karlik S**
Floth A See **Semelka RC**
Flower CDR See **Gleeson F**
Flower CDR See **McLoud TC**
Flower CDR See **Millet B**
Flower CDR See **Padley S**
Flower CDR See **Somers JM**
Flower MA; Irvine AT; Ott RJ; et al: thyroid imaging using positron emission tomography—a comparison with ultrasound imaging and conventional scintigraphy in thyrotoxicosis, Br J Radiol 1990; **63:** 325
Flower SP See **Brunner MC**
Flowers C See **Arthur JE**
Flowers CH; Mafee MF; Crowell R; et al: encephalopathy in AIDS patients: evaluation with MR imaging, AJNR 1990; **11:** 1235
Floyd CE; Beatty PT; Ravin CE: scatter compensation in digital chest radiography using Fourier deconvolution, Invest Radiol 1989; **24:** 30
Floyd CE Jr See **Bowsher JE**
Floyd CE Jr See **Chotas HG**
Floyd HL See **Szucs RA**
Floyd JL; Mann RB; Shaw A: changes in quantitative SPECT thallium-201 results associated with the use of energy-weighted acquisition, J Nucl Med 1991; **32:** 805
Flueck J See **Shih W-J**
Flueckiger F; Fotter R; Hausegger K; et al: hypertrophic osteoarthropathy caused by lung metastasis of an osteosarcoma, Pediatr Radiol 1989; **20:** 128
Flueckiger F; Kulinig P; Melzer G; et al: colobronchial and gastrocolic fistulas: rare complication of Crohn's disease, Gastrointest Radiol 1990; **15:** 288
Flueckiger F; Steiner H; Leitinger G; et al: nodular focal fatty infiltration of the liver in acquired porphyria cutanea tarda, Gastrointest Radiol 1991; **16:** 237
Flueckiger FM; Fueger GF; Einspieler R; et al: diminished response to furosemide in I-123 Hippuran renal studies of renovascular hypertension caused by unilateral renal artery stenosis, Clin Nucl Med 1990; **15:** 614
Flye MW See **Heiken JP**
Flye WM See **Liou JTS**
Flynn A; Workman G: calibration of a Microselectron HDR iridium 192 source, Br J Radiol 1991; **64:** 734
Flynn AE; Verrier ED; Way LW; et al: esophageal perforation, (ab), Radiology 1990; **175:** 587
Flynn BM; Wernovsky G; Summerville DA; et al: comparison of technetium-99m MIBI and thallium-201 chloride myocardial scintigraphy in infants, J Nucl Med 1989; **30:** 1176
Flynn DF See **Cox JD**
Flynn RR See **Bauer AR Jr**
Flynn SD See **Scoutt LM**
Fobbe F; Finke R; Reichenstein E; et al: appearance of thyroid diseases using colour-coded duplex sonography, Eur J Radiol 1989; **9:** 29
Fobben ES See **Beute BJ**
Fobben ES; Grossman RI; Atlas SW; et al: MR characteristics of subdural hematomas and hygromas at 1.5 T, AJNR 1989; **10:** 687
Focan C; Baudoux A; Beauduin M; et al: adjuvant treatment with high dose medroxyprogesterone acetate in node-negative early breast cancer: a 3-year interim report on a randomized trial (I), Acta Oncol 1989; **28:** 237
Focan C; Schyns-Mosen J; Focan-Henrard D: levamisole or placebo after effective chemotherapy for remission and survival prolongation in advanced human solid tumors—a double-blind randomized trial, Acta Oncol 1989; **28:** 105
Focan-Henrard D See **Focan C**
Fockele DS See **Shih W-J**
Fockele DS; Baumann RJ; Shih W-J; et al: Tc-99m HMPAO SPECT of the brain in the neonate, Clin Nucl Med 1990; **15:** 175
Fode NC See **Meyer FB**
Fogarty K; Cohen HL; Haller JO: sonography of fetal intracranial hemorrhage: unusual causes and a review of the literature, JCU 1989; **17:** 366
Fogelman I See **Blake GM**
Fogelman I: evaluation of the contribution of bone mass measurements to clinical practice, Semin Nucl Med 1989; **19:** 62
Foglia G See **Murolo C**
Foglia RP; Bjerke HS; Kelly RE Jr; et al: extracorporeal membrane oxygenation treatment of neonatal respiratory failure, (ab), Radiology 1991; **179:** 296
Fok PJ See **Ngan JHK**
Foley DW See **Morgan PW**
Foley HT See **Dahlen RT**
Foley M; Maslack MM; Rothman RH; Casey MP; Lugano EM; Parry CE; Balderston RA; Booth RE Jr: pulmonary embolism after hip or knee replacement: postoperative changes on pulmonary scintigrams in asymptomatic patients, Radiology 1989; **172:** 481
Foley TP Jr See **Belfar HL**
Foley WD See **Cox IH**
Foley WD See **Erickson SJ**
Foley WD See **Fitzgerald SW**
Foley WD See **Macrander SJ**
Foley WD See **Mewissen MW**
Foley WD See **Vassiliades VG**
Foley WD: diagnosis with CT at an electronic workstation, Radiology 1991; **178:** 631
Foley WD: dynamic hepatic CT, Radiology 1989; **170:** 617
Foley WD; Erickson SJ: color Doppler flow imaging, AJR 1991; **156:** 3
Foley WD; Jacobson DR; Taylor AJ; Goodman LR; Stewart ET; Gurney JW; Stroka D: display of CT studies on a two-screen electronic workstation versus a film panel alternator: sensitivity and efficiency among radiologists, Radiology 1990; **174:** 769
Foley WD; Middleton WD; Lawson TL; et al: color Doppler ultrasound imaging of lower-extremity venous disease, AJR 1989; **152:** 371
Folstein SE See **Starkstein SE**
Fon GT See **Cain TM**
Fon GT See **Knox AM**
Fonda C See **Dal Pozzo G**
Fondelli P See **Taccone A**
Fonkalsrud EW See **Stelzner M**
Fønstelien E See **Høiseth A**
Fontaine S See **Vezina JL**
Fontan A See **Zarranz JJ**
Fontanesi J See **Hanna SL**
Fontanesi J See **Tobin RL**
Fontanesi J; Hetzler D; Ross J: effect of dose rate on local control and complications in the reirradiation of head and neck tumors with interstitial iridium-192, Int J Radiat Oncol Biol Phys 1989; **17:** 365
Fontanesi J; Pratt C; Kun L; et al: local-regional non-rhabdomyosarcomatous soft tissue sarcomas of the head and neck, Int J Radiat Oncol Biol Phys 1990; **19:** 995
Fonte D See **Ekholm SE**
Fontenla DP; Kutcher GJ; LoSasso TJ: simulating blocks in treatment planning calculations, Int J Radiat Oncol Biol Phys 1989; **16:** 867
Fontes V See **Tynan M**
Foo S-S; Weisbrod GL; Herman SJ; et al: Wegener granulomatosis presenting on CT with atypical bronchovasocentric distribution, JCAT 1990; **14:** 1004
Foo TKF See **Shellock FG**
Foo TKF; Perman WH; Poon CSO; et al: projection flow imaging by bolus tracking using stimulated echoes, Magn Res Med 1989; **9:** 203
Foote RL; Garretson BR; Schomberg PJ; et al: external beam irradiation for retinoblastoma: patterns of failure and dose-response analysis, Int J Radiat Oncol Biol Phys 1989; **16:** 823
Foote RL; Parsons JT; Mendenhall WM; et al: is interstitial implantation essential for successful radiotherapeutic treatment of base of tongue carcinoma?, Int J Radiat Oncol Biol Phys 1990; **18:** 1293
Forbes G See **Brown RD Jr**
Forbes G See **Raby N**
Forbes GS See **Nesbit GM**
Forbes WSC See **Nelson M**
Forcadas I See **Zarranz JJ**
Forcade C See **Bhalla M**
Forcier NJ See **Kastan DJ**
Ford CC; Ceckler TL; Karp J; et al: magnetic resonance imaging of experimental demyelinating lesions, Magn Res Med 1990; **14:** 461
Ford EH See **Giuliani DC**
Ford EH See **Hong SS**
Ford G See **Chakeres DW**
Ford HT See **Hoskin PJ**
Ford JC See **Wehrli FW**
Ford JC; Wehrli FW: *in vivo* quantitative characterization of trabecular bone by NMR interferometry and localized proton spectroscopy, Magn Res Med 1991; **17:** 543
Ford JJ See **Hayman LA**
Ford JJ See **Prasad N**
Ford ML See **Genez BM**
Ford WDA See **Davies RP**
Fordham EW See **Rosenson AS**
Fordham EW See **Salomon CG**
Forell B See **Pezner RD**
Forer LE; Schaffer RM: transitional cell carcinoma of a simple ureterocele: a specific sonographic appearance, J Ultrasound Med 1990; **9:** 301
Forget PP See **van der Meer SB**
Forman BH See **Mueller PR**
Forman HP; Leonidas JC; Berdon WE; Slovis TL; Wood BP; Samudrala R: congenital neuroblastoma: evaluation with multimodality imaging, Radiology 1990; **175:** 365
Forman HP; Leonidas JC; Kirks DR: clinical activities of pediatric radiologists in the United States and Canada: 10-year follow-up, Radiology 1990; **175:** 127
Forman HP; Rosenberg HK; Snyder HM III: fractured penis: sonographic aid to diagnosis, AJR 1989; **153:** 1009
Forman JD See **Ten Haken RK**
Forman JD See **Zelefsky MJ**
Formanek AG See **Link KM**
Formanek AG; Sobol WT; Link KM: computer-assisted assessment of the kinetic function of disk-type artificial heart valves, Invest Radiol 1990; **25:** 24
Formanek AG; Weisner KM; Lantz PE: anomaly of the descending aorta: a case of persistent double dorsal aorta, AJR 1991; **156:** 1033
Fornace AJ Jr; Dobson PP; Kinsella TJ: enhancement of radiation damage in cellular DNA following unifilar substitution with iododeoxyuridine, Int J Radiat Oncol Biol Phys 1990; **18:** 873
Fornage B See **Lawrence DD**
Fornage BD See **Choi H**
Fornage BD See **Stewart RR**
Fornage BD See **Tassin GB**
Fornage BD: guided fine-needle aspiration biopsy of nonpalpable breast lesions: calculation of accuracy values, Radiology 1990; **177:** 884
Fornage BD: percutaneous biopsies of the breast: state of the art, Cardiovasc Intervent Radiol 1991; **14:** 29
Fornage BD: simple phantom for training in ultrasound-guided needle biopsy using the freehand technique, J Ultrasound Med 1989; **8:** 701
Fornage BD: soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Radiology 1989; **173:** 735
Fornage BD; Eftekhari F: sonographic diagnosis of myositis ossificans, J Ultrasound Med 1989; **8:** 463
Fornage BD; Faroux MJ; Pluot M; et al: nipple adenoma simulating carcinoma: misleading clinical, mammographic, sonographic, and cytologic findings, J Ultrasound Med 1991; **10:** 55
Fornage BD; Lorigan JG: sonographic detection and fine-needle aspiration biopsy of nonpalpable recurrent or metastatic melanoma in subcutaneous tissues, J Ultrasound Med 1989; **8:** 421
Fornage BD; Lorigan JG; Andry E: fibroadenoma of the breast: sonographic appearance, Radiology 1989; **172:** 671
Fornage BD; O'Keeffe F: ultrasound-guided transvaginal biopsy of malignant cystic pelvic mass, J Ultrasound Med 1990; **9:** 53
Fornage BD; Richli WR; Chuapetcharasopon C: calcaneal bone cyst: sonographic findings and ultrasound-guided aspiration biopsy, JCU 1991; **19:** 360

Fornage BD; Sneige N; Faroux MJ; et al: sonographic appearance and ultrasound-guided fine-needle aspiration biopsy of breast carcinomas smaller than 1 cm^3, J Ultrasound Med 1990; **9:** 559

Fornage BD; Tassin GB: sonographic appearances of superficial soft tissue lipomas, JCU 1991; **19:** 215

Fornage BD; Toubas O: transrectal sonographic monitoring of balloon dilatation of the prostatic urethra, J Ultrasound Med 1989; **8:** 53

Fornari F See Civardi G

Fornari F See Sbolli G

Forouzan I See Jackson GM

Forouzan I; Cohen AW: can umbilical and arcuate artery Doppler velocimetry predict fetal distress among prolonged pregnancies?, J Ultrasound Med 1991; **10:** 15

Forrest APM: screening for breast cancer: the UK scene: the 69th Mackenzie Davidson Memorial Lecture, Br J Radiol 1989; **62:** 695

Forrest JV See Hayward I

Forrest JV See Lin MC

Forrest JV See Zeppa MA

Forrest JV: generalists vs specialists: time to decide, AJR 1991; **156:** 1277

Forrest MD See O'Reilly GV

Forrest MD; O'Reilly GV: production of experimental aneurysms at a surgically created arterial bifurcation, AJNR 1989; **10:** 400

Forrest T See Terry J

Forrest TS See Schutz K

Forrest TS See Siffring PA

Forrester DM: imaging of the sacroiliac joints, Radiol Clin North Am 1990; **28:** 1055

Forrester DM; Kerr R: trauma to the foot, Radiol Clin North Am 1990; **28:** 423

Forrester JM; Steele AW; Waldron JA; et al: crack lung: an acute pulmonary syndrome with a spectrum of clinical and histopathologic findings, (ab), Radiology 1991; **178:** 587

Forrester JS See Litvack F

Forsberg DA See Wiener MD

Forsberg DA; Martinez S; Vogler JB III; et al: cervical spondylolysis: imaging findings in 12 patients, AJR 1990; **154:** 751

Forsberg H See Axelsson B

Forsberg L See Aurell Y

Forsberg L See Hederström E

Forsberg L See Hochbergs P

Forsberg L See Lyttkens K

Forsling M See Trewhella M

Forssell L See Wahlund L-O

Forsslund G See Zetterberg A

Forster BB See Conneli DG

Forster BB See Mayo JR

Forster BB; Blackie SP; Müller NL; et al: clinico-radiologic-pathologic conference: a 50-year-old woman with polymyositis and chronic bibasilar lung disease, J Canad Assoc Radiol 1990; **41:** 45

Forster BB; Müller NL; Miller RR; Nelems B; Evans KG: neuroendocrine carcinomas of the lung: clinical, radiologic, and pathologic correlation, Radiology 1989; **170:** 441

Forster BB; Siu CM; Murray JB; et al: transabdominal and transvaginal ultrasonography of uterine perforation following suction curettage, J Canad Assoc Radiol 1989; **40:** 318

Forster FK; Olerud JE; Riederer-Henderson MA; et al: ultrasonic assessment of skin and surgical wounds utilizing backscatter acoustic techniques to estimate attenuation, Ultrasound Med Biol 1990; **16:** 43

Forsting M; Sartor K: hema and latex: a dangerous combination?, Neuroradiol 1991; **33:** 338

Forsythe JR See Fellmeth BD

Fortenbery EJ See Blue PW

Fortenbery EJ; Blue PW; Van Nostrand D; et al: lymphocele: the spectrum of scintigraphic findings in lymphoceles associated with renal transplant, J Nucl Med 1990; **31:** 1627

Fortier GA; Pellitteri MR: MRI treatment planning for CNS neoplasm: graphic display of target volume using boxed cursor, Int J Radiat Oncol Biol Phys 1990; **19:** 179

Fortin DF See Califf RM

Fortin M-T See Dussault RG

Fortner A See Anderson CM

Fosket CD See Robinson KE

Fossá SD See Abildgaard A

Fossá SD See Blomlie V

Fossá SD See Lien HH

Fossá SD See Sager EM

Fossá SD; Aagedal H: introduction of personal computers into clinical cancer research in Norway, Acta Oncol 1989; **28:** 543

Fossá SD; Aass N; Kaalhus O: radiotherapy for testicular seminoma stage I: treatment results and long-term post-irradiation morbidity in 365 patients, Int J Radiat Oncol Biol Phys 1989; **16:** 383

Fossá SD; Nesland JM; Melvik JE; et al: prediction of objective response to recombinant interferon-alpha with or without vinblastine in metastatic renal cell carcinoma, Acta Oncol 1990; **29:** 303

Fossel ET See Burstein D

Fossella FV See Eilerbroek NA

Foster E See Caputo GR

Foster FS See Fishell EK

Foster FS; Larson JD; Mason MK; et al: development of a 12 element annular array transducer for realtime ultrasound imaging, Ultrasound Med Biol 1989; **15:** 649

Foster FS; Larson JD; Pittaro RJ; et al: digital annular array prototype scanner for realtime ultrasound imaging, Ultrasound Med Biol 1989; **15:** 661

Foster GS; Rosencranz M: gastrohepatic ligament fibrosis following esophageal sclerotherapy: CT findings, JCAT 1989; **13:** 136

Foster NL See Mountz JM

Foster RW See Numaguchi Y

Foster TA See Miller JM Jr

Foster TH See Francis CW

Foster TH See Simon JH

Foster TH See Totterman S

Foster WC See Resnik CS

Foster WL Jr; Garrett JB; Roberts L Jr; et al: paraprosthetic-duodenal fistula involving a mesocaval shunt, AJR 1989; **153:** 1201

Fotter R See Flueckiger F

Fotter R See Hausegger KA

Fotter R See Ranner G

Foulner D: sweet solution to a contrast problem, Br J Radiol 1990; **63:** 219

Foulon M See Denays R

Fouquet B See Cotty P

Fourati A See Hendaoui L

Fournier D See Klimek E

Fournier D See Solsberg MD

Fournier D; Rodesch G; Terbrugge K; et al: acquired mural (dural) arteriovenous shunts of the vein of Galen: report of 4 cases, Neuroradiol 1991; **33:** 52

Fournier D; Terbrugge K; Rodesch G; et al: revascularization of brain arteriovenous malformations after embolization with bucrylate, Neuroradiol 1990; **32:** 497

Fourquet A; Campana F; Zafrani B; et al: prognostic factors of breast recurrence in the conservative management of early breast cancer: a 25-year follow-up, Int J Radiat Oncol Biol Phys 1989; **17:** 719

Foust RJ See Kim T

Foust RJ See Rosenblum J

Foutch PG See DiSario JA

Fowble B See Dowsett RJ

Fowble B See Lanciano R

Fowble BF See Titelbaum DS

Fowble BL See Sandler HM

Fowble BL See Schwaibold F

Fowble BL See Solin LJ

Fowble BL; Solin LJ; Schultz DJ; et al: breast recurrence following conservative surgery and radiation: patterns of failure, prognosis, and pathologic findings from mastectomy specimens with implications for treatment, Int J Radiat Oncol Biol Phys 1990; **19:** 833

Fowble BL; Solin LJ; Schultz DJ; et al: frequency, sites of relapse, and outcome of regional node failures following conservative surgery and radiation for early breast cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 703

Fowble BL; Solin LJ; Schultz DJ; et al: ten year results of conservative surgery and irradiation for stage I and II breast cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 269

Fowl RJ See Martin KD

Fowl RJ See Patterson RB

Fowl RJ; Marsch JG; Love M; et al: prevalence of hemodynamically significant stenosis of the carotid artery in an asymptomatic veteran population, (ab), JVIR 1991; **2:** 422

Fowler D See Russell CD

Fowler JF See Hirn-Stadler B

Fowler JF See Lindstrom MJ

Fowler JF See Mehta MP

Fowler JF: linear-quadratic formula and progress in fractionated radiotherapy, Br J Radiol 1989; **62:** 679

Fowler JF: radiobiological aspects of low dose rates in radioimmunotherapy, Int J Radiat Oncol Biol Phys 1990; **18:** 1261

Fowler MB See Valantine HA

Fowler PJ See Messieh SS

Fowler PJ See Vellet AD

Fowler R See De Campo J

Fowler R: imaging the testis and scrotal structures, Clin Radiol 1990; **41:** 81

Fowler RC See James PNE

Fowler RC See Renwick IGH

Fowler RC; Bonsor G; Lintott DJ: description and appraisal of a prototype digital fluorographic system, Clin Radiol 1989; **40:** 508

Fowler W See Diaz MJ

Fowler WC See Montana GS

Fowlkes JB See Adler RS

Fowlkes JB See Rubin JM

Fox AJ See Brothers MF

Fox AJ See Lee DH

Fox AJ See Segall HD

Fox AJ; Pelz DM; Lee DH: arteriovenous malformations of the brain: recent results of endovascular therapy, Radiology 1990; **177:** 51

Fox CH See Tunkel DE

Fox E See Goldkrand JW

Fox J See Vincent GM

Fox JM See Brahme SK

Fox JM See Deutsch AL

Fox JM See Fischer SP

Fox JM See Shellock FG

Fox K See Dunscombe PB

Fox K See Glover D

Fox KR See Conant EF

Fox MD See Gardiner WM

Fox MG See Calkins AR

Fox PT; Mintun MA: noninvasive functional brain mapping by change-distribution analysis of averaged PET images of $H_2{}^{15}O$ tissue activity, J Nucl Med 1989; **30:** 141

Fox RA; Klemp PFB; Egan G; et al: dose distribution following selective internal radiation therapy, Int J Radiat Oncol Biol Phys 1991; **21:** 463

Fox S See Hodgson T

Fox SA See Bassett LW

Fox SA; Klos DS; Worthen NJ; Pennington E; Bassett LW; Gold RH: improving the adherence of urban women to mammography guidelines: strategies for radiologists, Radiology 1990; **174:** 203

Fraass B See LaRouere J

Fraass BA See McShan DL

Fraass BA See Schoeppel SL

Fraass BA See Weeks KJ

Frable WJ See Wakely PE Jr

Fraccola PJ See Robinson KE

Fradet G; Nelems B; Müller NL: penetrating injury of the torso with impalement of the thoracic aorta: preoperative value of the computed tomographic scan, (ab), Radiology 1989; **170:** 900

Fragomeni LS See Bonser RS

Frahm J See Bruhn H

Frahm J See Merboldt K-D

Frahm J See Sauter R

Frahm J; Bruhn H; Gyngell ML; et al: localized high-resolution proton NMR spectroscopy using stimulated echoes: initial applications to human brain *in vivo*, Magn Res Med 1989; **9:** 79

Frahm J; Bruhn H; Gyngell ML; et al: localized proton NMR spectroscopy in different regions of the human brain *in vivo*. relaxation times and concentrations of cerebral metabolites, Magn Res Med 1989; **11:** 47

Frahm J; Merboldt KD; Bruhn H; et al: 0.3-second FLASH MRI of the human heart, Magn Res Med 1990; **13:** 150

Fraisse P See Kessler R

Fraker TD Jr See Klingler JW

Fralix TA; Ceckler TL; Wolff SD; et al: lipid bilayer and water proton magnetization transfer: effect of cholesterol, Magn Res Med 1991; **18:** 214

Fram EK See Barkovich AJ

Fram EK See Keller PJ

Francavilla TL See Bizzi A

Franceschi D; Nagel JS; Holman BL: splenic accumulation of technetium-99m-methylene diphosphonate in a transfusion-dependent patient with chronic myelogenous leukemia, J Nucl Med 1990; **31:** 1552

Franceschi M; Guimond J; Zimmerman RE; et al: myocardial clearance of Tc-99m hexakis-2-methoxy-2-methylpropyl isonitrile (MIBI) in patinets with coronary artery disease, Clin Nucl Med 1990; **15:** 307

Franceschini F See Scutellari PN

Francheschi D; Crowe J; Zollinger R; et al: biopsy of the breast for mammographically detected lesions, (ab), Radiology 1991; **179:** 590

Franchi R See Dondi M

Francica G See Giorgio A

Franciolli M See Vock P

Francis CW See Blackmore CC

Francis CW See Totterman S

Francis CW; Foster TH; Totterman S; et al: monitoring of therapy for deep vein thrombosis using magnetic resonance imaging, Acta Radiol 1989; **30:** 445

Francis G See Arnold DL

Francis H See Colebunders R

Francis IR See Britt AR

Francis IR See Ellis JH

Francis IR See Ikeda DM

Francis IR See Kane NM

Francis IR See Marn CS

Francis IR See Remer EM
Francis IR See Seline TH
Francis IR See Webb WR
Francis IR See Wilson TE
Francis IR; Chenevert TL; Gubin B; Collumb L; Ensminger W; Walker-Andrews S; Glazer GM: malignant hepatic tumors: P-31 MR spectroscopy with one-dimensional chemical shift imaging, Radiology 1991; **180:** 341
Francis J; Snee M: case control study of trisomy 21 and maternal pre-conceptual radiography, Clin Radiol 1991; **43:** 343
Francis PS See Feuerstein IM
Franco EA See Akins EW
Franco K See Marin ML
Franco P See Fraschini F
Francois A See Goddart D
François E See Bruneton J-N
Franczyk J; Gray RR: ureteral stenting in urosepsis: a cautionary note, Cardiovasc Intervent Radiol 1989; **12:** 265
Franczyk J; Gray RR; Rooney MS: delayed rupture following subintimal contrast injection: case report, Cardiovasc Intervent Radiol 1990; **13:** 75
Franczyk J; Samuels T; Rubenstein J; et al: skeletal lymphoma, J Canad Assoc Radiol 1989; **40:** 75
Franic S See Rawlinson J
Franic SE See Markus JB
Frank ED: Fuchs's principles of radiographic exposure, processing and quality control. 4th ed, Radiology 1991; **179:** 336
Frank EH See Poirier VC
Frank GR See Zagzebski JA
Frank JA See Alger JR
Frank JA See Beatrous TE
Frank JA See Choyke PL
Frank JA See Fraser DD
Frank JA See Frucht H
Frank JA See Reinig JW
Frank JA See Wolff SD
Frank JA; Choyke PL; Girton ME; et al: gadolinium-DTPA enhanced dynamic MR imaging in the evaluation of cisplatinum nephrotoxicity, JCAT 1989; **13:** 448
Frank JA; Choyke PL; Girton ME; et al: gadopentetate dimeglumine clearance in renal insufficiency in rabbits, Invest Radiol 1990; **25:** 1212
Frank JA; Ling A; Patronas NJ; et al: detection of malignant bone tumors: MR imaging vs scintigraphy, AJR 1990; **155:** 1043
Frank M See Nath H
Frank MS; Sagel SS; Koehler RE: computer facilitation of the resident selection process, Invest Radiol 1990; **25:** 1040
Frank RG; Gerard PS; Anselmo MT; et al: primary carcinoid tumor of the testis, Urol Radiol 1991; **12:** 203
Frank RG; Gerard PS; Barbera JT; et al: torsion of an intraabdominal testis tumor presenting as an acute abdomen, Urol Radiol 1990; **12:** 50
Frank RG; Gerard PS; Wise GJ: human penile ossification: a case report and review of the literature, Urol Radiol 1989; **11:** 179
Frank SJ See Phatak MG
Frank TL See Li Q-S
Frank TS See Helvie MA
Frank W See Lechner GL
Franke C See Rauber K
Franke D See Ali GM
Franke M See Richter GM
Franke U-C See Sandrock D
Frankel A See Groshar D
Frankel DG; Daffner RH; Wang SE: case report 654, Skeletal Radiol 1991; **20:** 130
Frankel KA See Lo EH
Frankel KA See Lyman JT
Frankel KA See Phillips MH
Frankel W See Delius RE
Franken EA Jr See Abu-Yousef MM
Franken EA Jr See Berbaum KS
Franken EA Jr See Holden RW
Franken EA Jr See Honda H
Franken EA Jr See Wood PS
Franken EA Jr; Kao SCS; Smith WL; et al: imaging of the acute abdomen in infants and children, AJR 1989; **153:** 921
Franken EA Jr; Smith WL; Berbaum KS; et al: comparison of a PACS workstation with conventional film for interpretation of neonatal examinations: a paired comparison study, Pediatr Radiol 1991; **21:** 336
Franken PR; Dobbeleir AA; Ham HR; et al: clinical usefulness of ultrashort-lived iridium-191m from a carbon-based generator system for the evaluation of the left ventricular function, J Nucl Med 1989; **30:** 1025
Frankendal B See Sorbe B
Frankl G See McCreery BR
Franklin CIV: role of radiotherapy in the control of midbrain tumours, Australas Radiol 1991; **35:** 72
Franklin CIV: treatment of low grade cerebral astrocytomas by radiotherapy in Queensland, Australas Radiol 1991; **35:** 68
Franklin JL; Rosenberg TD; Paulos LE; et al: radiographic assessment of instability of the knee due to rupture of the anterior cruciate ligament: a quadriceps-contraction technique, (ab), Radiology 1991; **181:** 294
Franklin PD See Fielding JR
Franko AJ See Miller GG
Franquet T; Bescos JM; Barberena J; et al: acoustic artifacts and reverberation shadows in gallbladder sonograms: their cause and clinical implications, Gastrointest Radiol 1990; **15:** 223
Franquet T; Bescos JM; Reparaz B: noninvasive methods in the diagnosis of isolated superior mesenteric vein thrombosis: US and CT, Gastrointest Radiol 1989; **14:** 321
Franquet T; Cozcolluela R; Montes M; et al: abscessed splenic hydatid cyst: sonographic and CT findings, Clin Imag 1991; **15:** 118
Franquet T; Montes M; Aizcorbe M; et al: inflammatory pseudotumor of the spleen: ultrasound and computed tomographic findings, Gastrointest Radiol 1989; **14:** 181
Franquet T; Montes M; Lecumberri FJ; et al: hydatid disease of the spleen: imaging findings in nine patients, AJR 1990; **154:** 525
Franquet T; Montes M; Ruiz de Azua Y; et al: primary gallbladder carcinoma: imaging findings in 50 patients with pathologic correlation, Gastrointest Radiol 1991; **16:** 143
Fransson S-G; Sökjer H; Johansson K-E; et al: radiologic diagnosis of gastro-oesophageal reflux, Acta Radiol 1989; **30:** 187
Franzek DA; Strayer SA; Hull MT; et al: enteric cyst as a cause of nonimmune hydrops fetalis: fetal thoracentesis with fluid analysis, JCU 1989; **17:** 275
Franzén L See Bolon S
Franzén L See Erlanson M
Fraschini F; Scaglione F; Franco P; et al: melatonin and immunity, Acta Oncol 1990; **29:** 775
Fraser DB: Carl J. Zylak, M.D., President, Radiological Society of North America, 1991, Radiology 1990; **177:** 873
Fraser DD; Frank JA; Dalakas MC: inflammatory myopathies: MR imaging and spectroscopy, Radiology 1991; **179:** 341
Fraser JD; Munk PL; Connell DG; et al: CT findings in lipoma of the flexor retinaculum of the palm, Australas Radiol 1991; **35:** 189
Fraser LE See Balter MS
Fraser RG; Barnes GT; MacMahon H: digital imaging of the chest: reply, Radiology 1990; **174:** 576
Fraser RG; Sanders C; Barnes GT; MacMahon H; Giger ML; Doi K; Templeton AW; Cox GG; Dwyer SJ III; Merritt CRB; Jones JP: digital imaging of the chest, Radiology 1989; **171:** 297
Fraser RS See Paré JP
Fraser SCA; Ebbs SR; Dobbs HJ; et al: design of advanced breast cancer trials: new approaches, Acta Oncol 1990; **29:** 397
Fraser WD; Nimrod C; Nicholson S; et al: antenatal diagnosis of restriction of the foramen ovale, J Ultrasound Med 1989; **8:** 281
Fraser-Hill MA; Atri M; Bret PM; Aldis AE; Illescas FF; Herschorn SD: intrahepatic portal venous system: variations demonstrated with duplex and color Doppler US, Radiology 1990; **177:** 523
Frassica DA; Frassica FJ; Schray MF; et al: solitary plasmacytoma of bone: Mayo Clinic experience, Int J Radiat Oncol Biol Phys 1989; **16:** 43
Frassica DA; Schomberg PJ; Banks PM; et al: management of subdiaphragmatic early-stage Hodgkin's disease, Int J Radiat Oncol Biol Phys 1989; **16:** 1459
Frassica FJ See Frassica DA
Frasso R See Jaramillo D
Frassoni F See Scarpati D
Frates MC; Oates E: petrous apicitis: evaluation by bone SPECT and magnetic resonance imaging, Clin Nucl Med 1990; **15:** 293
Frates MC; Oates E: simple digital clubbing: characteristic bone scan appearance, Clin Nucl Med 1990; **15:** 511
Fratkin MJ See Balseiro J
Fratkin MJ See Burke TS
Fratkin MJ See Hirsch JI
Frazer CK See Ritchie DA
Frazer H See Hartman DS
Frazier HA See Aronson S
Frazier JL See Titelbaum DS
Frazier ME See Miller DL
Frazier WD; Pope TL Jr; Findley LJ: pneumothorax following transbronchial biopsy: low diagnostic yield with routine chest roentgenograms, (ab), Radiology 1990; **176:** 887
Frecentese DF See Dahlberg PJ
Frederick B See Zahler R
Frederick EE; Squillante MR; Cirignano LJ; Hahn RW; Entine G: accurate automatic exposure controller for mammography: design and performance, Radiology 1991; **178:** 393
Frederick PR See Haug PJ
Frederick PR See Parker DL
Frederick PR; Miller MH; Bahr AL; Longson FW: coaxial needles for repeated biopsy sampling, Radiology 1989; **170:** 273
Fredericks BJ; Boldt DW; Tress BM; et al: diseases of the spinal canal in children: diagnosis with noncontrast CT scans, AJNR 1989; **10:** 1233
Fredericks BJ; de Campo M; Chow CW; et al: glomerulocystic renal disease: ultrasound appearances, Pediatr Radiol 1989; **19:** 184
Fredericks BJ; de Campo JF; Sephton R; et al: computed tomographic assessment of vertebral bone mineral in childhood, Skeletal Radiol 1990; **19:** 99
Frederickson ED See Wilcox CS
Frederiksen JL See Larsson HBW
Frederiksen PB See Schmidt KG
Fredfeldt K-E: relative attenuation measurements of ultrasound in the liver using the zerocrossing method, Acta Radiol 1989; **30:** 299
Frediani M See Solfanelli S
Fredriksson B See Ivarsson SA
Fredy D: imaging of epileptic lesions in adults: the three-dimensional approach, J Neuroradiol 1989; **16:** 265
Freeark RJ See Olen R
Freed H See Piraino D
Freed HA See Wegryn SA
Freedman LS See Bleehen NM
Freedman RS See O'Keeffe FN
Freedom RM See Burrows PE
Freedom RM See Pinzon JL
Freedy RM; Miller KD Jr: granulocytic sarcoma (chloroma): sphenoidal sinus and paraspinal involvement as evaluated by CT and MR, AJNR 1991; **12:** 259
Freedy RM; Miller KD Jr: small-cell carcinoma of the prostate: metastases in the brain as shown by CT and MR with pathologic correlation, AJNR 1990; **11:** 947
Freedy RM; Miller KD Jr; Eick JJ; et al: traumatic lumbosacral nerve root avulsion: evaluation by MR imaging, JCAT 1989; **13:** 1052
Freeman BL III See Rockett JF
Freeman CR See El-Khatib EE
Freeman CR See Roman TN
Freeman DA; Counsell RE: cellular internalization, transport, and esterification of iodine-125-NP59 by MA-10 Leydig tumor cells, J Nucl Med 1991; **32:** 495
Freeman DE; Mancuso AA; Parsons JT; et al: irradiation alone for supraglottic larynx carcinoma: can CT findings predict treatment results?, Int J Radiat Oncol Biol Phys 1990; **19:** 485
Freeman DM; Sotak CH; Muller HH; et al: double quantum coherence transfer photon NMR spectroscopy technique for monitoring steady-state tumor lactic acid levels *in vivo*, Magn Res Med 1990; **14:** 321
Freeman H See Gilks B
Freeman I; Grunwald AM; Hoory S; et al: effect of coronary occlusion and myocardial viability on myocardial activity of technetium-99m-sestamibi, J Nucl Med 1991; **32:** 292
Freeman JL See Jafri SZH
Freeman JS See Kingston HM
Freeman MR See Morrison M
Freeman NJ See Lautin EM
Freeman R See Wu X-L
Freeny PC See Feldman RK
Freeny PC See Schulte SJ
Freeny PC: classification of pancreatitis, Radiol Clin North Am 1989; **27:** 1
Freeny PC: preoperative hepatic imaging for lesion detection, (ab), Radiology 1991; **181:** 610
Freeny PC: radiologic diagnosis and staging of pancreatic ductal adenocarcinoma, Radiol Clin North Am 1989; **27:** 121
Freer CEL See Baldwin JE
Freer CEL See Moore NR
Freger P See Laissy J-P
Frei S; de Lange EE; Fechner RE: case report 690, Skeletal Radiol 1991; **20:** 468
Freiberger RH See Blacksin MF
Freiburger PD See Trahey GE
Freidberg SR See Schloss MH
Freiha FS See McNeal JE
Freiha FS See Terris MK
Freiha FS See Villers AA
Freiman DB See Barnett FJ
Freiman DB See Montecalvo RM
Freiman DB See Zegel HG
Freimanis AK See Meholic AJ
Freimanis MG See Bohm-Velez M
Freimanis MG: interval between cleansing enema and barium examination of the colon, Gastrointest Radiol 1989; **14:** 83

Freimanis MG; Bohm-Velez M; Mendelson EB; et al: ultrasound appearance of extratesticular myosarcoma, JCU 1991; **19:** 101
Freimanis MG; Wald A; Caruana B; et al: evacuation proctography in normal volunteers, Invest Radiol 1991; **26:** 581
Freimanis RI See **Murphy JS**
Freischlag JA See **Fellmeth BD**
Freise J See **Henze A**
Freitag H-J See **Grzyska U**
Freitag H-J See **Zeumer H**
Freitag H-J; Grzyska U; Zeumer H: use of the "cross over technique" in the management of a traumatic vertebro-vertebral fistula, Neuroradiol 1989; **31:** 174
Freitas JE See **Gross MD**
Freitas JE; Dworkin HJ; Dees SM; et al: phantom feet on digital radionuclide images and other scary computer tales, J Nucl Med 1989; **30:** 1559
Freitas JE; Gilvydas R; Ferry JD; et al: clinical utility of prostate-specific antigen and bone scintigraphy in prostate cancer follow-up, J Nucl Med 1991; **32:** 1387
French G See **Kurlandsky LE**
French MLV See **Wheat LJ**
French WM See **Catsikis BD**
Frenk H See **Hellstern A**
Frenkel A See **Groshar D**
Frenkel A See **Iosilevsky G**
Frenkiel TA See **Maxwell RJ**
Frenna TH See **Sonnenfeld MR**
Frennered K See **Danielson B**
Freson M See **Cochrane LB**
Fretz C See **Vock P**
Fretz CJ See **Elizondo G**
Fretz CJ See **Hahn PF**
Fretz CJ See **Saini S**
Fretz CJ See **Stark DD**
Fretz CJ See **Weissleder R**
Fretz CJ; Elizondo G; Weissleder R; Hahn PF; Stark DD; Ferrucci JT Jr: superparamagnetic iron oxide–enhanced MR imaging: pulse sequence optimization for detection of liver cancer, Radiology 1989; **172:** 393
Fretz CJ; Stark DD; Metz CE; et al: detection of hepatic metastases: comparison of contrast-enhanced CT, unenhanced MR imaging, and iron oxide-enhanced MR imaging, AJR 1990; **155:** 763
Freud E See **Gomori JM**
Freudenberg N See **Strecker E-P**
Freund H-J See **Steinmetz H**
Freund U See **Hertzanu Y**
Freundlich IM: mammography in women 35 years of age and younger, Radiology 1991; **181:** 288
Freundlich IM; Hunter TB; Seeley GW; et al: computer-assisted analysis of mammographic clustered calcifications, Clin Radiol 1989; **40:** 295
Frey C See **Kerr R**
Frey CF See **Stanten R**
Frey EE See **McCubbin M**
Freyer JP See **Sillerud LO**
Frias JL See **Thomas IT**
Friberg S See **Fagerlund MKJ**
Friche E; Skovsgaard T; Nissen NI: anthracycline resistance, Acta Oncol 1989; **28:** 877
Frick LM See **Schild SE**
Frick MP See **Siffring PA**
Frid DJ See **Califf RM**
Friday JM See **Parker LA Jr**
Frider B; Marin AM; Goldberg A: ultrasonographic diagnosis of portal vein cavernous transformation in children, J Ultrasound Med 1989; **8:** 445
Fried JJ See **Mellinger BC**
Fried LA See **Moote DJ**
Fried LA See **Taylor MC**
Friedenberg RM See **Cho ZH**
Friedland G See **Reese JH**
Friedland GW See **Chang P**
Friedland GW; Chang P: role of imaging in prostate cancer, Radiol Clin North Am 1991; **29:** 581
Friedland RJ See **Bakal CW**
Friedlander A See **Steiger P**
Friedlander AL See **Block JE**
Friedlander PC See **Goldman AM**
Friedli B See **Oberhaensli I**
Friedman A See **Garty I**
Friedman AC See **Lautin EM**
Friedman AC See **Lev-Toaff AS**
Friedman AC See **Milestone B**
Friedman AC See **Ross GJ**
Friedman AC; Edmonds PR: rare pancreatic malignancies, Radiol Clin North Am 1989; **27:** 177
Friedman AC; Fiel SB; Radecki PD; et al: computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure, Semin US CT MR 1990; **11:** 393
Friedman AC; Radecki PD; Fiel SB: detection of asbestosis with high-resolution CT, Radiology 1989; **170:** 278
Friedman CD See **Costantino PD**
Friedman D: mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Radiology 1991; **181:** 605
Friedman DM; Ehrlich P; Hoskins IA: umbilical artery Doppler blood velocity waveforms in normal and abnormal gestations, J Ultrasound Med 1989; **8:** 375
Friedman DM; Schacht RG: Doppler waveforms in the renal arteries of normal children, JCU 1991; **19:** 387
Friedman F Jr See **Alvarez M**
Friedman H See **Kimura F**
Friedman HS See **Rhodes RE**
Friedman HS See **Rippe DJ**
Friedman HS See **Wiener MD**
Friedman J; Van Train K; Maddahi J; et al: "upward creep" of the heart: a frequent source of false-positive reversible defects during thallium-201 stress-redistribution SPECT, J Nucl Med 1989; **30:** 1718
Friedman JH See **Sandson TA**
Friedman JP See **Birnbaum BA**
Friedman L; Halls SB: coronal computed tomography, J Canad Assoc Radiol 1990; **41:** 287
Friedman L; Horwitz T; Beck M; et al: case report 672, Skeletal Radiol 1991; **20:** 307
Friedman L; Johnston GH; Yong-Hing K: computed tomography of wrist trauma, J Canad Assoc Radiol 1990; **41:** 141
Friedman L; Patel M; Lew E; et al: benign histiocytic fibroma of rib with CT correlation, J Canad Assoc Radiol 1989; **40:** 114
Friedman L; Patel M; Steinberg J; et al: CT appearance of an oncocytic papillary cystadenoma of the larynx, JCAT 1990; **14:** 322
Friedman L; Yong-Hing K; Johnston GH: forty degree angled coronal CT scanning of scaphoid fractures through plaster and fiberglass casts, JCAT 1989; **13:** 1101
Friedman L; Yong-Hing K; Johnston GH: use of coronal computed tomography in the evaluation of Kienbock's disease, Clin Radiol 1991; **44:** 56
Friedman M See **Kirshenbaum KJ**
Friedman MA See **Dorr FA**
Friedman MJ See **Brahme SK**
Friedman PA; Sommer FG; Chen H-S; et al: characterization of splenic structure in Hodgkin disease by using narrow-band filtration of backscattered ultrasound, AJR 1989; **152:** 1197
Friedman PJ See **Lang EV**
Friedman PJ; Jonas AM; Carrington CB: observations on the vascularization of secondary pulmonary neoplasms, Invest Radiol 1990; **25:** 423
Friedman PL See **Meyerovitz MF**
Friedman R See **Mandle CL**
Friedman RJ See **Kjellin I**
Friedman SG: Charles Dotter: interventional radiologist, Radiology 1989; **172:** 921
Friedman WA See **Bova FJ**
Friedman WA See **Quisling RG**
Friedman WN See **Bashist B**
Friedman WN See **Brown KT**
Friedmann G See **Krestin GP**
Friedmann G See **Luyten FR**
Friedrich C See **Donohue JH**
Friedrich JM See **Wallner BK**
Friedrichsen C See **Schrader B**
Friedwald JP See **Gollub MJ**
Friedwald JP See **Hussman KL**
Frierson HF Jr See **Howell EJ**
Fries J See **Hill LM**
Friese K See **Chang J-M**
Friesen SR See **Delcore R Jr**
Frigerio LF See **Cozzi G**
Frigoletto FD Jr See **Benacerraf BR**
Frija G See **Clement O**
Frija G See **Schouman-Claeys E**
Frija G; Schouman-Claeys E; Lacombe P; et al: study of coronary artery bypass graft patency using MR imaging, JCAT 1989; **13:** 226
Frija J See **Helenon O**
Frija J See **Lenoir S**
Frija J; Yana C; Laval-Jeantet M: anatomy of the minor fissure: evaluation with thin-section CT, Radiology 1989; **173:** 571
Frilloux LA III See **Rauch RA**
Frincke JM See **Lamki LM**
Frink NC; Paolella LP; Dorfman GS: angioplasty sites: assessment with the dual-access technique, Radiology 1990; **174:** 264
Frisell J See **von Rosen A**
Frishman E See **Avrahami E**
Friston KJ; Frith CD; Liddle PF; et al: plastic transformation of PET images, JCAT 1991; **15:** 634
Frith CD See **Friston KJ**
Fritsch SA See **Cory DA**
Fritts HM See **Schellhas KP**
Fritz P; Rieden K; Lenarz T; et al: radiological evaluation of temporal bone disease: high-resolution computed tomography versus conventional x-ray diagnosis, Br J Radiol 1989; **62:** 107
Fritz P; Schraube P; Becker HD; et al: new applicator, positionable to the center of tracheobronchial lumen for HDR-IR-192-afterloading of tracheobronchial tumors, Int J Radiat Oncol Biol Phys 1991; **20:** 1061
Fritz T See **Tilcock CP**
Fritzberg AR See **Eshima D**
Fritze M; Marshall K; Smith EI; et al: intra-abdominal abscess and peritonitis, Clin Nucl Med 1989; **14:** 296
Fritz-Niggli H See **Rao KR**
Fritzsch T; Hilmann J; Kämpfe M; et al: SH U 508, a transpulmonary echocontrast agent: initial experience, Invest Radiol 1990; **25:** S160
Fritzsche PJ: current state of MRI in renal mass diagnosis and staging of RCC, Urol Radiol 1989; **11:** 210
Fritzsche PJ; Wilbur MJ: male pelvis, Semin US CT MR 1989; **10:** 11
Frocrain L; Duvauferrier R; Husson J-L; Noël J; Ramée A; Pawlotsky Y: recurrent postoperative sciatica: evaluation with MR imaging and enhanced CT, Radiology 1989; **170:** 531
Fröder M See **Herbst M**
Froehlich JA See **Cronan JJ**
Froehlich JA See **Dorfman GS**
Froelich JW See **Keigley BA**
Frohmüller H: is screening for prostatic cancer justified? summary of the discussion, Acta Oncol 1991; **30:** 289
Frohmüller H: screening for prostatic cancer: the German experience, Acta Oncol 1991; **30:** 269
Frohmüller S See **Ophof J**
Frohn J; Wilken T; Falk S; et al: effect of aortic sclerosis on bone mineral measurements by dual-photon absorptiometry, J Nucl Med 1991; **32:** 259
Frola C See **Ratto GB**
Fromaget JM See **Lesur O**
Froment J-C; Bascoulergue Y; Crouzet G; et al: apparently isolated, spontaneous haematomas, of the brain stem: seven cases explored by CT and MRI, J Neuroradiol 1989; **16:** 38
Froment JC; Mauguiere F; Fischer C; et al: magnetic resonance imaging in refractory focal epilepsy with normal CT scans, J Neuroradiol 1989; **16:** 285
Fromm H See **Albert MB**
Froncisz W See **Grist TM**
Froncisz W See **Jesmanowicz A**
Front A See **Hardoff R**
Front D See **Israel O**
Front D; Israel O; Epelbaum R; Haim SB; Sapir EE; Jerushalmi J; Kolodny GM; Robinson E: Ga-67 SPECT before and after treatment of lymphoma, Radiology 1990; **175:** 515
Front D; Israel O; Iosilevsky G; et al: administered dose and tumor dose of bleomycin labeled with cobalt-57 in mice and men, J Nucl Med 1990; **31:** 1784
Front D; Israel O; Jerushalmi J; et al: quantitative bone scintigraphy using SPECT, J Nucl Med 1989; **30:** 240
Frontiera M; Murray JL; Lamki L; et al: sequential use of indium-111 labeled monoclonal antibodies 96.5 and ZME-018 does not increase detection sensitivity for metastatic melanoma, Clin Nucl Med 1989; **14:** 357
Frood LR; Smith DC; Pappas JM; Elvin PK; Westengard JC; Saukel GW: use of angiographic needles with or without stylets: pathologic assessment of vessel walls after puncture, JVIR 1991; **2:** 269
Frost DB See **McCreery BR**
Frost JJ See **Fisher RS**
Frost M; Staab EV: displays: contrast and spatial requirements, Invest Radiol 1989; **24:** 95
Frost RA See **Irvine EJ**
Frost RB See **Karolia C**
Frost S See **Zegel HG**
Frotz S See **Mostbeck GH**
Frucht H See **Miller LS**
Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT: gastrinomas: comparison of MR imaging with CT, angiography, and US, Radiology 1989; **171:** 713
Frucht HH See **London JF**
Fruehwald FXJ See **Schwaighofer BW**
Fruehwald FXJ; Neuhold A; Fezoulidis J; et al: cine-MR in dissection of the thoracic aorta, Eur J Radiol 1989; **9:** 37
Fruhwirth R See **Fasanelli S**
Fruin ME; Smoker WRK; Harnsberger HR: carotid space in the suprahyoid neck, Semin US CT MR 1990; **11:** 504
Fruin ME; Smoker WRK; Harnsberger HR: carotid space of the infrahyoid neck, Semin US CT MR 1991; **12:** 224
Frumkin H; Pransky G; Cosmatos I: radiologic detection of pleural thickening. (ab), Radiology 1991; **179:** 883

Frumkin NL See Aniskiewicz AS
Fry ETA; Mack DL; Monge JC; et al: labeling of human clots in vitro with an active-site mutant of t-PA, J Nucl Med 1990; **31:** 187
Fry FJ See Griffith SL
Fry FJ; Dines KA; Reilly CR; et al: losses in tissue associated with finite amplitude ultrasound transmission, Ultrasound Med Biol 1989; **15:** 481
Fry FJ; Reilly CR; Dines KA; et al: absorption in liver at the focus of an ultrasonic shock wave field, Ultrasound Med Biol 1991; **17:** 65
Fry ME; Jacoby RK; Hutton CW; et al: high-resolution magnetic resonance imaging of the interphalangeal joints of the hand, Skeletal Radiol 1991; **20:** 273
Fry R See Hammerman AM
Fry R See Hedgpeth PL
Fry RE See Eidt JF
Fry SM: new technologies for interventional radiology, Invest Radiol 1990; **25:** 93
Fryback D See Palta M
Frykberg ER; Crump JM; Dennis JW; et al: nonoperative observation of clinically occult arterial injuries: a prospective evaluation, (ab), JVIR 1991; **2:** 293
Frymoyer PA See McAfee JG
Fu KK See Halberg FE
Fu KK; Lam KN: early and late effects of cisplatin and radiation at acute and low dose rates on the mouse skin and soft tissues of the leg, Int J Radiat Oncol Biol Phys 1991; **20:** 327
Fu KK; Phillips TL: high-dose-rate versus low-dose-rate intracavitary brachytherapy for carcinoma of the cervix, Int J Radiat Oncol Biol Phys 1990; **19:** 791
Fu KK; Wendland MF; Iyer SB; et al: correlations between *in vivo* ^{31}P NMR spectroscopy measurements, tumor size, hypoxic fraction and cell survival after radiotherapy, Int J Radiat Oncol Biol Phys 1990; **18:** 1341
Fu LT: radiotherapy in China today, Int J Radiat Oncol Biol Phys 1989; **16:** 293
Fu Y See Komiyama M
Fu YS See Alessi DM
Fuchigami T See Tada S
Fuchigami T See Yao T
Fuchs A See Vogl TJ
Fuchs AM; Mehringer CM; Rajfer J: anatomy of penile venous drainage in potent and impotent men during cavernosography, (ab), Radiology 1990; **174:** 292
Fuchs GJ See Stenzl A
Fuchs H See Rosenman J
Fuchs HA See Kaye JJ
Fuchs HA; Brooks RH; Callahan LF; et al: simplified twenty-eight-joint quantitative articular index in rheumatoid arthritis, (ab), Radiology 1989; **173:** 886
Fuchs S; Barthel MJ; Flannery AM; et al: cervical spine fractures sustained by young children in forward-facing car seats, (ab), Radiology 1990; **174:** 296
Fudman EJ See Layton MW
Fueger GF See Flueckiger FM
Fueger GF See Ranner G
Fuentes RT See Sangar VK
Fuentes RT See Sylvester J
Fuentes RT; Holmes RA: reverse radioaerosol/radioperfusion distribution in pulmonary endobronchial obstruction, Clin Nucl Med 1990; **15:** 217
Fueredi GA See Van Blarcom ST
Fueredi GA; Czarnecki DJ; Kindwall EP: MR findings in the brains of compressed-air tunnel workers: relationship to psychometric results, AJNR 1991; **12:** 67
Fueredi GA; Knechtges TE; Czarnecki DJ: coronary angiography in atrial myxoma: findings in nine cases, AJR 1989; **152:** 737
Fugazzola C; Procacci C; Andreis IAB; et al: contribution of ultrasonography and computed tomography in the diagnosis of nonfunctioning islet cell tumors of the pancreas, Gastrointest Radiol 1990; **15:** 139
Fugazzola C; Procacci C; Andreis IAB; et al: cystic tumors of the pancreas: evaluation by ultrasonography and computed tomography, Gastrointest Radiol 1991; **16:** 53
Függer R See Jantsch H
Fuhrer J See Smaldone GC
Fuhrman CR See Skeens JL
Fuhrman CR; Gur D; Schaetzing R: high-resolution digital imaging with storage phosphors, J Thorac Imag 1990; **5-1:** 21
Fujibayashi Y See Furukawa T
Fujibayashi Y See Kawai K
Fujibayashi Y; Matsumoto K; Yonekura Y; et al: new zinc-62/copper-62 generator as a copper-62 source for PET radiopharmaceuticals, J Nucl Med 1989; **30:** 1838
Fujibayashi Y; Yonekura Y; Takemura Y; et al: myocardial accumulation of iodinated beta-methyl-branched fatty acid analogue, iodine-125-15-(p-iodophenyl)-3-(R,S)methylpentadecanoic acid (BMIPP), in relation to ATP concentration, J Nucl Med 1990; **31:** 1818
Fujihara T See Kitani H
Fujii K See Ikezaki K
Fujii M; Orita T; Nishizaki T; et al: primitive neuroectodermal tumor of the leptomeninges, Neuroradiol 1991; **33:** 260
Fujii R See Imahori Y
Fujii Y See Nakahara K
Fujikawa T See Nakanishi T
Fujimori K; Covell DG; Fletcher JE; et al: modeling analysis of monoclonal antibody percolation through tumors: a binding-site barrier, J Nucl Med 1990; **31:** 1191
Fujimoto H; Uchiyama G; Araki T; et al: exophytic regenerating nodule of the liver: misleading appearance on iodized-oil CT, JCAT 1991; **15:** 495
Fujimoto K See Minakuchi K
Fujimoto K; Nakamura K; Takashima S; Murata K; Takada K; Minakuchi K; Onoyama Y: angioscopy of the inferior vena cava: preliminary observations in cases with involvement by neoplasm: work in progress, JVIR 1991; **2:** 371
Fujimoto N See Nabatame H
Fujino H See Fujiwara S
Fujino Y See Narumi Y
Fujioka E See Takebayashi S
Fujisawa I See Sagoh T
Fujisawa I See Togashi K
Fujisawa I; Asato R; Kawata M; et al: hyperintense signal of the posterior pituitary on T1-weighted MR images: an experimental study, JCAT 1989; **13:** 371
Fujishima H See Akahoshi K
Fujishima H; Misawa T; Chijiiwa Y; Maruoka A; Akahoshi K; Nawata H: scirrhous carcinoma of the stomach versus hypertrophic gastritis: findings at endoscopic US, Radiology 1991; **181:** 197
Fujita H See Ogawa T
Fujita M See Hori S
Fujita M See Inoue E
Fujita M See Narumi Y
Fujita M See Ohsaki Y
Fujita M See Tanaka S
Fujita N See Takashima S
Fujita N; Harada K; Murakami T; et al: effects of velocity profile of to-and-fro pulsatile flow on magnetic resonance signal intensity, Magn Res Med 1990; **15:** 275
Fujita N; Mochizuki F; Lee S; et al: carcinoid tumor of the bile duct: case report, Gastrointest Radiol 1989; **14:** 151
Fujita T See Yonekura Y
Fujitani R See Klein S
Fujiwara S See Nishio S
Fujiwara S; Fujino H; Nogami K; et al: aspergillosis of the sphenoid sinus with cavernous sinus syndrome, Neuroradiol 1989; **31:** 443
Fujiwara T See Abe Y
Fujiwara T; Kubota K; Sato T; et al: *N*-[^{18}F]fluoroacetyl-D-glucosamine: a potential agent for cancer diagnosis, J Nucl Med 1990; **31:** 1654
Fujiwara T; Matsuzawa T; Kubota K; et al: relationship between histologic type of primary lung cancer and carbon-11-L-methionine uptake with positron emission tomography, J Nucl Med 1989; **30:** 33
Fujiwara Y See Mochizuki T
Fujiwara Y See Sawada S
Fukai T See Isobe H
Fukatsu H; Makino N; Kodama Y; et al: evaluation of thyroid calcification using computed radiography with image plate, Eur J Radiol 1989; **9:** 22
Fukaya T See Nomura Y
Fukazawa M; Fukushige J; Ueda K: atrial septal defects in neonates with reference to spontaneous closure, (ab), Radiology 1989; **171:** 591
Fuks Z See Kutcher GJ
Fuks Z; Leibel SA; Wallner KE; et al: effect of local control on metastatic dissemination in carcinoma of the prostate: long-term results in patients treated with ^{125}I implantation, Int J Radiat Oncol Biol Phys 1991; **21:** 537
Fukubayashi T See Niitsu M
Fukuchi M See Ishimura J
Fukuda H; Kobayashi S; Koide H; et al: age-related changes in cerebral white matter measured by computed cranial tomography, Comput Med Imag Graph 1990; **14:** 79
Fukuda N See Matsumura K
Fukuda T See Inoue Y
Fukuda T See Mori H
Fukuda T See Nemoto Y
Fukuda Y See Kawasaki T
Fukuda Y See Miyamoto Y
Fukunaga M See Furukawa T
Fukunaga M See Iemoto Y
Fukunaga M See Katagiri M
Fukunaga M See Morita K
Fukunaga M See Otsuka N
Fukunaga T See Shellock FG
Fukuoka H See Yamaguchi T
Fukuoka M See Takada M
Fukushige J See Fukazawa M
Fukushima E See Caprihan A
Fukushima H See Saita H
Fukusumi A See Iwasaki S
Fukuya T See Yoshimitsu K
Fukuya T; Hawes DR; Lu CC; et al: CT of abdominal abscess with fistulous communication to the gastrointestinal tract, JCAT 1991; **15:** 445
Fukuya T; Mihara F; Kudo S; et al: tracheobronchial calcification in members of a fixed population sample, Acta Radiol 1989; **30:** 277
Fukuya T; Yoshimitsu K; Kitagawa S; et al: plasmacytoma of the pancreatic head, Gastrointest Radiol 1989; **14:** 226
Fukuya T; Yoshimitsu K; Kitagawa S; et al: single tuberculous stricture in the jejunum: report of 2 cases, Gastrointest Radiol 1989; **14:** 300
Fukuyama H See Sawada H
Fukuyama H See Yamauchi H
Fukuzaki M See Shioya S
Fulcher AS; Das Narla L; Brewer WH: gastric hematoma and pneumatosis in child abuse, AJR 1990; **155:** 1283
Fulcher AS; Proto AV; Jolles H: cystic teratoma of the mediastinum: demonstration of fat/fluid level, AJR 1990; **154:** 259
Fulginiti JV See Hillman BJ
Fulham MJ See Alger JR
Fulham MJ See De Souza B
Fullarton GM; Allan A; Hilditch T; et al: quantitative ^{99m}Tc-DISIDA scanning and endoscopic biliary manometry in sphincter of Oddi dysfunction, (ab), Radiology 1989; **171:** 881
Fuller DB See Sause WT
Fuller DJM See Harari PM
Fuller GN See Rippe DJ
Fuller JD See Lee VW
Fuller LM See Cabanillas F
Fuller LM See Stewart RR
Fuller RW See Grist TM
Fullerton GD See Dillon WP
Fullerton GD See Som PM
Fullerton GD: editor's page: MR imaging inroads in the People's Republic of China, JMRI 1991; **1:** 273
Fullerton GD; Hendrick RE: editor's page: why a new journal?, JMRI 1991; **1:** 5
Fulmer JM See Harms SE
Fulton J See Anderson N
Fulton RR See Bailey DL
Fumagalli L See Musu C
Funa K: in situ hybridization for detection of hormone and peptide mRNA in carcinoid tumors, Acta Oncol 1991; **30:** 457
Funari M See Seelos KC
Fung C-F See Cheung Y-K
Fung C-F; Fan Y-W: simple computerized tomography adapter for conventional stereotactic frame, Comput Med Imag Graph 1991; **15:** 11
Fung CY See Cardenosa G
Fung HMY; Vickar DB: traumatic rupture of the right hemidiaphragm with hepatic herniation: real-time ultrasound demonstration, J Ultrasound Med 1991; **10:** 295
Funk KC; Heiken JP: papillary cystadenoma of the broad ligament in a patient with von Hippel-Lindau disease, AJR 1989; **153:** 527
Funke G See Alzen G
Funkhouser GR See Johnsen DE
Funt S See Naidich DP
Furie DM See Patel U
Furie DM; Patel U; Khan A; et al: mesenteric desmoid of the appendix—a case report, Comput Med Imag Graph 1991; **15:** 117
Furlow TW Jr See Rapacki TFX
Furness ME: some red herrings in obstetric ultrasound, Australas Radiol 1989; **33:** 69
Furrer T See Kinser JA
Furse CM See Iskander MF
Fürst CJ See Lundell M
Fürst CJ; Lundell M; Ahlbäck SO; et al: breast hypoplasia following irradiation of the female breast in infancy and early childhood, Acta Oncol 1989; **28:** 519
Fürst CJ; Lundell M; Holm L-E: tumors after radiotherapy for skin hemangioma in childhood: a case–control study, Acta Oncol 1990; **29:** 557
Fürst CJ; Silfverswärd C; Holm L-E: mortality in a cohort of radiation treated childhood skin hemangiomas, Acta Oncol 1989; **28:** 789
Fürst G See Kahn T
Fürst G See Steinmetz H
Furui S See Irie T
Furui S See Makita K
Furui S; Itai Y; Ohtomo K; Yamauchi T; Takenaka E; Iio M; Ibukuro K; Shichijo Y; Inoue Y: hepatic epithelioid hemangioendothelioma: report of five cases, Radiology 1989; **171:** 63
Furui S; Sawada S; Irie T; Makita K; Yamauchi T; Kusano S; Ibukuro K; Nakamura H; Takenaka E: hepatic inferior vena cava obstruction: treatment of two types with Gianturco expandable metallic stents, Radiology 1990; **176:** 665

Furukawa CT See **Shapiro GG**
Furukawa T See **Araki Y**
Furukawa T; Fujibayashi Y; Fukunaga M; et al: approach for immunoradiometric assay with metallic radionuclides: gallium-67-deferoxamine-dialdehyde starch-IgG, J Nucl Med 1991; **32:** 825
Furuse M See **Kaneoke Y**
Furuse M See **Takahashi K**
Fusco U See **Maistrelli G**
Fushiki M; Ono K; Sasai K; et al: effect of recombinant human granulocyte colony-stimulating factor on granulocytopenia in mice induced by irradiation, Int J Radiat Oncol Biol Phys 1990; **18:** 353
Fushimi S See **Mineura K**
Futagawa S See **Mori H**
Fyfe D See **Macpherson RI**

G

Gaa J See **Saini S**
Gaa J; Saini S; Ferrucci JT: perfusion characteristics of hepatic cavernous hemangioma using intravenous CT angiography (IVCTA), Eur J Radiol 1991; **12:** 228
Gaab M See **Mügge A**
Gaab MR See **Kleineberg B**
Gaba A See **Keigley BA**
Gaba AR See **Ellis BI**
Gabata T See **Matsui O**
Gabata T; Matsui O; Kadoya M; et al: MR imaging of hepatic adenoma, AJR 1990; **155:** 1009
Gabbert D See **Palta M**
Gaber AO See **Bakris GL**
Gabillat J-M See **Courdi A**
Gabor FV See **Datz FL**
Gabrielli O; Salvolini U; Coppa GV; et al: magnetic resonance imaging in the malformative syndromes with mental retardation, Pediatr Radiol 1990; **21:** 16
Gabrielsen TO See **Clarke HB**
Gabrielsen TO See **Stricof DD**
Gabrielsen TO See **Wang H**
Gabrilove J See **Ballon D**
Gad M See **Soyer P**
Gadacz TR See **Sullivan KL**
Gadeholt G; Geitung JT; Göthlin JH; et al: continuing reject-repeat film analysis program, Eur J Radiol 1989; **9:** 137
Gad-El-Mawla N; Hamza MR; Zikri ZK; et al: chemotherapy in invasive carcinoma of the bladder: a review of phase II trials in Egypt, Acta Oncol 1989; **28:** 73
Gadian DG See **Austin SJ**
Gadian DG See **Bates TE**
Gadian DG See **Cox IJ**
Gado M See **Mirowitz SA**
Gado MH See **Wippold FJ II**
Gadoth N See **Hadar H**
Gaensler EHL; Jackson DE Jr; Halbach VV: arteriovenous fistulas of the cervicomedullary junction as a cause of myelopathy: radiographic findings in two cases, AJNR 1990; **11:** 518
Gaensler EHL; Jeffrey RB Jr; Laing FC; et al: sonography in patients with suspected acute appendicitis: value in establishing alternative diagnoses, AJR 1989; **152:** 49
Gaeta M See **Minutoli A**
Gaeta M See **Pandolfo I**
Gaeta M; Volta S; Minutoli A; et al: Fournier gangrene caused by a perforated retroperitoneal appendix: CT demonstration, AJR 1991; **156:** 341
Gaffney CC See **Shirato H**
Gage TS; Sussman SK; Conard FU III; et al: pseudoaneurysm of the inferior epigastric artery: diagnosis and percutaneous treatment, AJR 1990; **155:** 529
Gagliardi RA: Preston M. Hickey, AJR 1990; **155:** 235
Gaglioti P See **Todros T**
Gagnadoux MF See **Barth MO**
Gagner M; Munson JL; Scholz FJ: hepatobiliary anomalies associated with polysplenia syndrome, Gastrointest Radiol 1991; **16:** 167
Gagnon A See **Lette J**
Gahbauer RA: radiobiology in radiotherapy, Radiology 1989; **171:** 852
Gaiani S See **Bolondi L**
Gaines PA; Sampson MA: prevalance and characterization of simple hepatic cysts by ultrasound examination, Br J Radiol 1989; **62:** 335
Gainey GT See **Litten RZ**
Gaisie G See **Kraus RA**
Gaisie G: computed tomography of the lung: an approach based on signs, Radiology 1989; **172:** 646
Gaisie G; Roberts MS; Bouldin TW; et al: echogenic ependymal wall in intraventricular hemorrhage: sonographic-pathologic correlation, Pediatr Radiol 1990; **20:** 297
Gal AA See **Grumbach K**
Gal R See **Aksut S**
Gal RA See **Massardo T**
Galambos JT See **Skolkin MD**
Galanski M See **Oestmann JW**
Galanski M See **Prokop M**
Galbraith P; Bagg MN; Schabel SI; et al: diverticular complications of renal failure, Gastrointest Radiol 1990; **15:** 259
Galbraith P; Gordon L: renal transplant evaluation—another potential pitfall, Clin Nucl Med 1989; **14:** 214
Galbraith W; Ryan KW; Gliksman N; et al: multiple spectral parameter imaging in quantitative fluorescence microscopy. I: quantitation of bead standards, Comput Med Imag Graph 1989; **13:** 47
Gale B; Chen C; Chun KJ; et al: systemic to pulmonary venous shunting in superior vena cava obstruction: unusual myocardial and thyroid visualization, Clin Nucl Med 1990; **15:** 246
Gale M See **Bonomi P**
Gale ME See **Shapiro MP**
Gale RP See **Champlin RE**
Gale RP; Butturini A: use of hematopoietic growth factors in radiation accidents, Int J Radiat Oncol Biol Phys 1990; **19:** 1291
Galea V See **Ormerod S**
Galetta SL See **Rafto SE**
Galetta SL See **Yousem DM**
Galhotra S See **Levin DN**
Galicich JH See **Wallner KE**
Gall C See **Brooks ML**
Gall H See **Thon WF**
Gallagher PG; Ball WS: cerebral infarctions due to CNS infection with *Enterobacter sakazakii*, Pediatr Radiol 1991; **21:** 135
Gallagher WJ See **Kopans DB**
Gallagher WJ; Cardenosa G; Rubens JR; et al: minimal-volume excision of nonpalpable breast lesions, AJR 1989; **153:** 957
Gallant MJ; Studley JGN: case report: delayed cardiac tamponade following accidental injection of non-ionic contrast medium into the pericardium, Clin Radiol 1990; **41:** 139
Gallego F See **Muñoz A**
Gallego J See **Olier J**
Galler L; Portner W: radiographic markers in grafts, Radiology 1991; **180:** 586
Gallet BL; Egelhoff JC: unusual CNS and orbital metastases of neuroblastoma, Pediatr Radiol 1989; **19:** 287
Gallini C; De Cicco C; Legnaioli M; et al: potential pitfall in bone scanning by transcutaneous nitroglycerin, Clin Nucl Med 1990; **15:** 920
Gallistel CR See **Eilbert JL**
Gallée AM See **Neergaard K**
Galloway GJ See **Brereton IM**
Galloway GJ See **Doddrell DM**
Galloway GJ; Field J; Rose SE; et al: *in vivo* high-resolution volume-selected proton spectroscopy and T_1 measurements in the dog brain, Magn Res Med 1989; **9:** 288
Galloway H: short textbook of clinical imaging, Radiology 1991; **179:** 668
Galloway HR: radiology of musculoskeletal stress injury, Radiology 1991; **180:** 426
Galloway JMD See **Dyet JF**
Galloy MA See **Hoeffel JC**
Gallucci M; Amicarelli I; Rossi A; et al: MR imaging of white matter lesions in uncomplicated chronic alcoholism, JCAT 1989; **13:** 395
Gallucci M; Bozzao A; Curatolo P; et al: MR imaging in incomplete band heterotopia, AJNR 1991; **12:** 701
Gallucci M; Bozzao A; Splendiani A; et al: Wernicke encephalopathy: MR findings in five patients, AJNR 1990; **11:** 887
Gallucci M; Bozzao A; Splendiani A; et al: Wernicke encephalopathy: MR findings in five patients, AJR 1990; **155:** 1309
Gallucci M; Cardona F; Arachi M; et al: follow-up MR studies in Hallervorden-Spatz disease, JCAT 1990; **14:** 118
Gallup DG See **Crosby JH**
Galluzzi F See **Vichi GF**
Galvin HB See **Sickles EA**
Galvin J See **Coia L**
Galvin JM See **Curran WJ Jr**
Galvin JR See **Mori M**
Galvin JR See **Stanford W**
Galvin JR; Rooholamini SA; Stanford W: obstructive sleep apnea: diagnosis with ultrafast CT, Radiology 1989; **171:** 775
Gamagami P See **Silverstein MJ**
Gamba PG See **Suma V**
Gambarelli D See **Vagner-Capodano AM**
Gambari PI; Giuliani G; Poppi M; et al: ganglionic cysts of the peroneal nerve at the knee: CT and surgical correlation, JCAT 1990; **14:** 801
Gambhir SS; Hawkins RA; Huang S-C; et al: tracer kinetic modeling approaches for the quantification of hepatic function with technetium-99m DISIDA and scintigraphy, J Nucl Med 1989; **30:** 1507
Gambhir SS; Schwaiger M; Huang S-C; et al: simple noninvasive quantification method for measuring myocardial glucose utilization in humans employing positron emission tomography and fluorine-18 deoxyglucose, J Nucl Med 1989; **30:** 359
Gambihler S See **Weiss N**
Gambihler S; Delius M; Brendel W: biological effects of shock waves: cell disruption, viability, and proliferation of L1210 cells exposed to shock waves *in vitro*, Ultrasound Med Biol 1990; **16:** 587
Gamble JM See **Cassell KJ**
Gamson J See **DeGraff WG**
Gamsu G See **Aberle DR**
Gamsu G See **Bergin CJ**
Gamsu G See **Chaffey MH**
Gamsu G See **Im J-G**
Gamsu G See **Klein J**
Gamsu G See **Lynch DA**
Gamsu G See **Sakai F**
Gamsu G See **Spritzer CE**
Gamsu G See **Staples CA**
Gamsu G: university-based radiology departments: a perspective, Radiology 1989; **172:** 283
Gamsu G: university radiology: a personal view, Invest Radiol 1990; **25:** 332
Gamsu G; Aberle DR; Lynch D: computed tomography in the diagnosis of asbestos-related thoracic disease, J Thorac Imag 1989; **4-1:** 61
Gamsu G; Klein JS: high resolution computed tomography of diffuse lung disease, Clin Radiol 1989; **40:** 554
Gamsu G; Thurlbeck WM; Macklem PT; et al: peripheral bronchographic morphology in the normal human lung, Invest Radiol 1990; **25:** 392
Ganansia R See **Puy-Montbrun T**
Gandara DR; Valone FH; Perez EA; et al: rapidly alternating radiotherapy and high dose cisplatin chemotherapy in stage IIIB non-small cell lung cancer: results of a phase I/II study, Int J Radiat Oncol Biol Phys 1991; **20:** 1047
Gandini G See **Grosso M**
Gandini G; Righi D; Regge D; et al: percutaneous removal of biliary stones, Cardiovasc Intervent Radiol 1990; **13:** 245
Gandola L; Siena S; Bregni M; et al: prospective evaluation of pulmonary function in cancer patients treated with total body irradiation, high-dose melphalan, and autologous hematopoietic stem cell transplantation, Int J Radiat Oncol Biol Phys 1990; **19:** 743
Gandon Y See **Carsin M**
Gandon Y; Heautot J-F; Brunet F; et al: superparamagnetic iron oxide: clinical time-response study, Eur J Radiol 1991; **12:** 195
Gandy SE See **Feldman E**
Ganesan K See **Cutillo AG**
Ganguly BS See **Albertyn LE**
Ganott MA See **Harris KM**
Gansow O See **Khaw BA**
Gansow OA See **Roselli M**
Ganti G See **Hicks K**
Ganz WI; Serafini AN: diagnostic role of nuclear medicine in the acquired immunodeficiency syndrome, J Nucl Med 1989; **30:** 1935
Gao G-R See **Teng G-J**
Garagiola DM; Clark SA; Colyer RA; et al: case report 536, Skeletal Radiol 1989; **18:** 377
Garagiola DM; Tarver RD; Gibson L; et al: anatomic changes in the pelvis after uncomplicated vaginal delivery: a CT study on 14 women, AJR 1989; **153:** 1239
Garancini P See **DelMaschio A**
Garand G See **Calais G**
Garavaglia G See **Livraghi T**
Garay SM See **Gusis SE**
Garay SM See **Kramer EL**
Garay SM See **Naidich DP**
Garb M See **Pettengell K**
Garb M: CT appearances of ruptured abdominal aortic aneurysms, Australas Radiol 1989; **33:** 154
Garbagnati F; Lutman R; Valvassori L; et al: nonpulmonary thoracic biopsy, Eur J Radiol 1989; **9:** 214
Garbagnati F; Spreafico C; Marchianò A; et al: staging of hepatocellular carcinoma by ultrasonography, computed tomography, and angiography: the role of CT combined with arterial portography, Gastrointest Radiol 1991; **16:** 225
Garber S See **Jones SN**
Garber SJ; de Bruyn R: Laurence–Moon–Biedl syndrome: renal ultrasound appearances in the neonate, Br J Radiol 1991; **64:** 631
Garber SJ; Shaw DG: case report: the ultrasound and computed tomography appearance of mesenteric Castleman disease, Clin Radiol 1991; **43:** 429
Garbuz D See **Hadjipavlou A**
Garcia A; Hodler J; Vaughn L; et al: case report 677, Skeletal Radiol 1991; **20:** 373

Garcia BM See Bach DB
Garcia C; Rubio G; Molina F; et al: gadolinium-DTPA MRI in the diagnosis of a patient with leptomeningeal metastasis produced by uvular carcinoma, Neuroradiol 1991; **33:** 282
Garcia CJ; Keller MS: intraspinal extension of parraspinal masses in infants: detection by sonography, Pediatr Radiol 1990; **20:** 437
Garcia CJ; Rosenfield NS: barium enema in the diagnosis of acute appendicitis, Semin US CT MR 1989; **10:** 314
Garcia DM See Michalski JM
Garcia DM; Marks JE; Latifi HR; et al: childhood cerebellar astrocytomas: is there a role for postoperative irradiation?, Int J Radiat Oncol Biol Phys 1990; **18:** 815
Garcia EV See DePuey EG
Garcia EV See Klein JL
Garcia EV; DePuey EG; Sonnemaker RE; et al: quantification of the reversibility of stress-induced thallium-201 myocardial perfusion defects: a multicenter trial using bull's-eye polar maps and standard normal limits, J Nucl Med 1990; **31:** 1761
Garcia JF See Arroyo JF
Garcia M See Martin J
Garcia MJ; Arbizu J; Ramirez JC; et al: extracardiac activity with Tl-201 in a pleural mesothelioma recurrence, Clin Nucl Med 1991; **16:** 595
Garcia O See Becker GJ
Garcia O See Rees CR
Garcia O See Tornyos K
Garcia OJ See Alvarado R
Garcia OJ See Palmaz JC
Garcia OM See Campeau RJ
Garcia R; Saroyan RM; Senkowsky J; et al: intraoperative intra-arterial urokinase infusion as an adjunct to Fogarty catheter embolectomy in acute arterial occlusion, (ab), JVIR 1991; **2:** 287
Garcia V See Berná JD
Garcia-Conesa JA See Mata JM
Garcia Conesa JA See Vera J
Garcia-Medina V See Berna JD
Garcia-Medina V See Wymore P
Garcia-Merino A See Marazuela M
Garcia-Monaco R See Lasjaunias P
Garcia-Ramos G See Talamás O
Gardella S See Maldonado J
Gardenas DD See Massagli TL
Gardiner G Jr See Rees CR
Gardiner GA See Mulder LD
Gardiner GA See Oglevie SB
Gardiner GA Jr See Bonn J
Gardiner GA Jr See Consigny PM
Gardiner GA Jr See Cragg AH
Gardiner GA Jr See Ferris EJ
Gardiner GA Jr See Kashdan BJ
Gardiner GA Jr See Palmaz JC
Gardiner GA Jr See Sullivan KL
Gardiner GA Jr; Harrington DP; Koltun W; et al: salvage of occluded arterial bypass grafts by means of thrombolysis, (ab), Radiology 1989; **173:** 293
Gardiner GW See Zalev AH
Gardiner J See Bolander ME
Gardiner WM; Fox MD: color-flow US imaging through the analysis of speckle motion, Radiology 1989; **172:** 866
Gardner D: residents' corner: answer to case of the month #2: Takayasu's arteritis, J Canad Assoc Radiol 1989; **40:** 285
Gardner D; Toth J; Aube M: neuropathic arthropathy associated with chronic inflammatory demyelinating polyradiculoneuropathy, J Canad Assoc Radiol 1989; **40:** 117
Gardner D; vanSonnenberg E; D'Agostino HB; et al: CT-guided transthoracic needle biopsy, Cardiovasc Intervent Radiol 1991; **14:** 17
Gardner DJ See Kallman CE
Gardner DJ: case of the season, Semin Roentgenol 1990; **25:** 223
Gardner DJ; Hanson RE: computed tomography of retroperitoneal perforation after barium enema, Clin Imag 1990; **14:** 208
Gardner JD See Doppman JL
Gardner JD See London JF
Garel C; Hassan M; Legrand I; et al: laryngeal ultrasonography in infants and children: pathological findings, Pediatr Radiol 1991; **21:** 164
Garel C; Legrand I; Elmaleh M; et al: laryngeal ultrasonography in infants and children: anatomical correlation with fetal preparations, Pediatr Radiol 1990; **20:** 241
Garel L See Vignault F
Garel L; Boisvert J; Filiatrault D; et al: fetal sonography: I. neural tube defects, Pediatr Radiol 1989; **19:** 157
Garel L; Filiatrault D; Brandt M; et al: antenatal diagnosis of ovarian cysts: natural history and therapeutic implications, Pediatr Radiol 1991; **21:** 182
Garfinkle W See Glasser SA
Gargantini I; Atkinson HH; Schrack GF: three-dimensional modeling by combining artificial with real data, Comput Med Imag Graph 1990; **14:** 379
Gargouri M; Amor NB; Chehida FB; et al: percutaneous treatment of hydatid cysts (echinococcus granulosus), Cardiovasc Intervent Radiol 1990; **13:** 169
Garland DE See Stewart CA
Garland SM; Newnan DM; de Crespigny LC: plastic wrap for ultrasound transducers: herpes simplex virus transmission, J Ultrasound Med 1989; **8:** 661
Garn SM See Zerin JM
Garne JP; Aspegren K; Möller T: validity of breast cancer registration from one hospital into the Swedish National Cancer Registry 1961–1970, Acta Oncol 1990; **29:** 125
Garneau RA; Renfrew DL; Moore TE; El-Khoury GY; Nepola JV; Lemke JH: glenoid labrum: evaluation with MR imaging, Radiology 1991; **179:** 519
Garnett ES: quantitative imaging: neuroreceptors, neurotransmitters, and enzymes, Radiology 1991; **179:** 214
Garnett S: positron emission tomography in clinical research and clinical diagnosis, Radiology 1990; **175:** 822
Garnick MB See Johns WD
Garnick MB See Stomper PC
Garniek A See Hirshberg A
Garniek A; Morag B; Schmahmann S; Rubinstein ZJ: aortobronchial fistula as a complication of surgery for correction of congenital aortic anomalies, Radiology 1990; **175:** 347
Garra BS See Davros WJ
Garra BS See Silverman PM
Garra BS See West MS
Garra BS See Zeman RK
Garra BS; Davros WJ; Lack EE; Horii SC; Silverman PM; Zeman RK: visibility of gallstone fragments at US and fluoroscopy: implications for monitoring gallstone lithotripsy, Radiology 1990; **174:** 343
Garra BS; Insana MF; Shawker TH; et al: quantitative ultrasonic detection and classification of diffuse liver disease: comparison with human observer performance, Invest Radiol 1989; **24:** 196
Garratt KN; Edwards WD; Vlietstra RE; et al: coronary morphology after percutaneous directional coronary atherectomy in humans: autopsy analysis of three patients, (ab), JVIR 1991; **2:** 293
Garre K See Nolsøe CP
Garretson BR See Foote RL
Garrett A See Scally J
Garrett JB See Foster WL Jr
Garrett JP: technical note: methods for deflating retained urinary catheters, Clin Radiol 1989; **40:** 319
Garrett JP; Nolan DJ: diverticula of the terminal ileum, Clin Radiol 1989; **40:** 178
Garrido L See Shtern F
Garrigues JM See Dubois JB
Garrity JA See Minehan KJ
Garrity ST See Walovitch RC
Garroway AN See Cory DG
Garstin WIH See Kaufman Z
Garstin WIH; Kaufman Z; Michell MJ; et al: fibrous mastopathy in insulin dependent diabetics, Clin Radiol 1991; **44:** 89
Gartner JC See Albright AL
Garty I; Delbeke D; Sandler MP: correlative pediatric imaging, J Nucl Med 1989; **30:** 15
Garty I; Friedman A; Sandler MP; et al: neuroblastoma: imaging evaluation by sequential Tc-99m MDP, I-131 MIBG, and Ga-67 citrate studies, Clin Nucl Med 1989; **14:** 515
Garusi GF See Di Marco A
Garvey C See Lewis-Jones HG
Garvie DC See Creagh MF
Garvie NW See Davies SG
Garvin AJ See Curry NS
Garvin CF See Byrne MN
Garvin KL See Kaplan PA
Garvin PJ See Patel BK
Garwood M See Hendrich K
Garwood M; Ugurbil K; Rath AR; et al: magnetic resonance imaging with adiabatic pulses using a single surface coil for RF transmission and signal detection, Magn Res Med 1989; **9:** 25
Gary WC See Conces DJ Jr
Gary-Bobo J See Dubois JB
Garza D See Merhige M
Garza J See Elizondo G
Gasanova J-MP See Cornud FE
Gascho JA; Fanelli C; Zelis R: aging reduces venous distensibility and the venodilatory response to nitroglycerin in normal subjects, (ab), Radiology 1990; **174:** 588
Gascon G See Brismar J
Gaskill MF; Lukin R; Wiot JG: lumbar disc disease and stenosis, Radiol Clin North Am 1991; **29:** 753
Gaskin TA See Allen B
Gaspar LE; Cheung AYC; Allen HH: cervical carcinoma: treatment results and complications of extended-field irradiation, Radiology 1989; **172:** 271
Gaspar LE; Dawson DJ; Tilley-Gulliford SA; Banerjee P: medulloblastoma: long-term follow-up of patients treated with electron irradiation of the spinal field, Radiology 1991; **180:** 867
Gasparetto B See Bartolini A
Gasparovic C See Matwiyoff NA
Gassner I; Strasser K; Bart G; et al: sonographic appearance of Ménêtrier's disease in a child, J Ultrasound Med 1990; **9:** 537
Gast P See Swartz HM
Gastard J See Raoul J-L
Gaston A See Brugieres P
Gaston BM; Jones BE: perinatal unilateral hydrocephalus: atresia of the foramen of Monro, Pediatr Radiol 1989; **19:** 328
Gaston-Parry D See McLean RG
Gaston-Parry D See Smart RC
Gatanash H See Gordon I
Gatenby RA See Kessler HB
Gatenby RA See Unger EC
Gatenby RA; Hartz WH; Kessler HB: percutaneous catheter drainage for malignant pericardial effusion, JVIR 1991; **2:** 151
Gates GF: dose-attenuation shield for use in glomerular filtration rate computations: a method for combined renal scintiangiography and functional quantification, Clin Nucl Med 1991; **16:** 73
Gates JO See Mantravadi RVP
Gatewood OMB See Berkowitz JE
Gatewood OMB See Soulen MC
Gatewood OMB See Yousem DM
Gatewood OMB; Berkowitz JE: oblique plain radiographs are useful for detecting opaque presacral ureteral calculi, AJR 1990; **155:** 89
Gathy C See Dondelinger RF
Gatsonis C See Webb WR
Gatsonis C; McNeil BJ: collaborative evaluations of diagnostic tests: experience of the Radiology Diagnostic Oncology Group, Radiology 1990; **175:** 571
Gattamaneni HR See Zammit-Maempel I
Gaucher A See Claudon M
Gaucher AA; Regent DM; Gillet PM; et al: case report 656, Skeletal Radiol 1991; **20:** 137
Gauderer MWL See Gazelle GS
Gaudio C; Tanzilli G; Mazzarotto P; et al: comparison of left ventricular ejection fraction by magnetic resonance imaging and radionuclide ventriculography in idiopathic dilated cardiomyopathy, (ab), Radiology 1991; **181:** 613
Gautherot E See Le Doussal J-M
Gauthier F See Pariente D
Gaux JC See Long AL
Gavaler JS See Cuellar RE
Gavant ML See Winer-Muram HT
Gavant ML; Gold RE; Baum SL; et al: initial experience with a universal-length copolymer ureteral stent, Cardiovasc Intervent Radiol 1990; **13:** 98
Gavin PR See Kraft SL
Gavin PR See Papageorges M
Gay BB Jr See Chaloupka JC
Gay SB See Kerns SR
Gay SB See Sistrom CL
Gay SB; Armistead JP; Weber ME; Williamson BRJ: left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls, Radiographics 1991; **11:** 549
Gay SB; Pevarski DR; Phillips CD; Levine PA: dynamic CT of the neck, Radiology 1991; **180:** 284
Gay SB; Selby JB Jr; Selby HG: autoradiology: patient heal thyself, AJR 1990; **154:** 871
Gayer G See Ben-Ami T
Gayler BW See Berkowitz JE
Gaylord GM: vascular interventional radiologists, the development of new technologies, marketing, and the Auk, Radiology 1991; **181:** 15
Gaylord GM; Johnsrude IS: split 24-F Amplatz dilator for percutaneous extraction of an intravascular bullet: case report and technical note, Radiology 1989; **170:** 888
Gaylord GM; Johnsrude IS: transrenal ureteral occlusion with Gianturco coils and gelatin sponge, Radiology 1989; **172:** 1047
Gaynes R; Bizek B; Mowry-Hanley J; et al: risk factors for nosocomial pneumonia after coronary artery bypass graft operations, (ab), Radiology 1991; **181:** 611
Gaze MN; Gregor A; Whittle IR; et al: calcified cerebral metastasis from cervical carcinoma, Neuroradiol 1989; **31:** 291
Gazelle GS; Haaga JR: biopsy needle characteristics, Cardiovasc Intervent Radiol 1991; **14:** 13
Gazelle GS; Haaga JR: guided percutaneous biopsy of intraabdominal lesions, AJR 1989; **153:** 929
Gazelle GS; Haaga JR; Neuhauser D: hemostatic protein-polymer sheath: new method to enhance hemostasis at percutaneous biopsy, Radiology 1990; **175:** 671

Gazelle GS; Haaga JR; Stellato TA; Gauderer MWL; Plecha DT: pelvic abscesses: CT-guided transrectal drainage, Radiology 1991; **181:** 49

Gazsó LG See **Dám AM**

Gean-Marton A See **Truwit CL**

Gean-Marton AD See **Pearsen KD**

Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL: focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Radiology 1991; **181:** 521

Gean-Marton AD; Vezina LG; Marton KI; Stimac GK; Peyster RG; Taveras JM; Davis KR: abnormal corpus callosum: a sensitive and specific indicator of multiple sclerosis, Radiology 1991; **180:** 215

Gean-Marton AD; Weinstein MA: new MR imaging findings in multiple sclerosis, (ab), Radiology 1991; **179:** 591

Geara F; Girinski TA; Chavaudra N; et al: estimation of clonogenic cell fraction in primary cultures derived from human squamous cell carcinomas, Int J Radiat Oncol Biol Phys 1991; **21:** 661

Geard CR See **Schultz CJ**

Gearhart JP See **Blask ARN**

Gearhart JP; Herzberg GZ; Jeffs RD: childhood urolithiasis: experiences and advances, (ab), Radiology 1991; **181:** 616

Geatti O; Fig L; Shapiro B: adrenal cortical adenoma causing Cushing's syndrome: correct localization by functional scintigraphy despite nonlocalizing morphological imaging studies, Clin Nucl Med 1990; **15:** 168

Geatti O; Shapiro B; Barillari B: scintigraphic depiction of an insulinoma by I-131 metaiodobenzylguanidine, Clin Nucl Med 1989; **14:** 903

Geatti O; Shapiro B; Virgolini L: late presentation of metastatic pheochromocytoma: a problem case solved by I-131 MIBG scintigraphy, Clin Nucl Med 1990; **15:** 101

Gebarski SS See **Hatfield MK**

Gebarski SS See **Nazarian GK**

Gebarski SS See **Silbergleit R**

Gebauer A See **Mostbeck GH**

Gebauer A See **Schurawitzki H**

Geboes K See **Rutgeerts P**

Geborek P See **Björkengren AG**

Gedroyc WMW; MacIver D; Joyce MRL; et al: percutaneous stone and stent removal from renal transplants, Clin Radiol 1989; **40:** 174

Gee JH See **Baron AL**

Gee W See **Castaldo JE**

Geer GD See **Stanley P**

Geer LY See **Graham ML**

Geer LY See **Ying X**

Geffner ME See **Lippe B**

Gefter WB See **Aronchick JM**

Gefter WB See **Dinsmore BJ**

Gefter WB See **Eisenberg B**

Gefter WB See **Greene R**

Gefter WB See **Hatabu H**

Gefter WB See **Schiebler ML**

Gefter WB: magnetic resonance imaging in the evaluation of lung cancer, Semin Roentgenol 1990; **25:** 73

Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY: pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Radiology 1990; **176:** 761

Gehani AA See **Rees MR**

Gehani AA; Ashley S; Kester RC; et al: technical report: aneurysm formation after dynamic catheter assisted balloon angioplasty, Clin Radiol 1990; **41:** 283

Gehani AA; Davies A; Stoodley K; et al: does the Kensey catheter keep a coaxial position inside the arterial lumen?: an in-vitro angioscopic study, Cardiovasc Intervent Radiol 1991; **14:** 222

Gehl H-B See **Vorwerk D**

Gehl H-B; Bohndorf K; Gladziwa U; et al: imaging of hemodialysis fistulas: limitations of MR angiography, JCAT 1991; **15:** 271

Gehl H-B; Bohndorf K; Klose K-C: inferior vena cava tumor thrombus: demonstration by Gd-DTPA enhanced MR, JCAT 1990; **14:** 479

Gehl H-B; Bohndorf K; Klose KC; et al: two-dimensional MR angiography in the evaluation of abdominal veins with gradient refocused sequences, (ab), JVIR 1990; **1:** 136

Gehl H-B; Bohndorf K; Klose K-C; et al: two-dimensional MR angiography in the evaluation of abdominal veins with gradient refocused sequences, JCAT 1990; **14:** 619

Gehl H-B; Vorwerk D; Klose K-C; Günther RW: pancreatic enhancement after low-dose infusion of Mn-DPDP, Radiology 1991; **180:** 337

Gehman KE; Elliott JA; Inculet RI: percutaneous gastrojejunostomy with a modified Cope loop catheter, AJR 1990; **155:** 79

Gehret JF See **Lien JM**

Gehring BJ See **Tessler FN**

Gehring MA See **Kubsad SS**

Gehring MA; Mackie TR; Kubsad SS; et al: three-dimensional volume visualization package applied to stereotactic radiosurgery treatment planning, Int J Radiat Oncol Biol Phys 1991; **21:** 491

Geihsler JD See **Rose BS**

Geijer M; Jensen C; Schlossman D: chest radiography in the intensive care unit: indications for radiography and effects of selective archiving of films, Acta Radiol 1990; **31:** 321

Geil GE; Staple TW: case report 530, Skeletal Radiol 1989; **18:** 140

Geil GE; Staple TW: case report 595, Skeletal Radiol 1990; **19:** 290

Geilfuss CJ See **Shechter SA**

Geis JR; Hendrick RE; Lee S; Davis KA; Thickman D: white matter lesions: role of spin density in MR imaging, Radiology 1989; **170:** 863

Geise RA: hospital radiation protection practices, Radiology 1989; **171:** 358

Geise RA: optimization of image quality and patient exposure in diagnostic radiology, Radiology 1990; **177:** 72

Geisler FH See **Mirvis SE**

Geisler FH See **Sadato N**

Geissbühler P See **Schneider P-A**

Geist BJ; Lauk S; Bornhausen M; et al: physiologic consequences of local heart irradiation in rats, Int J Radiat Oncol Biol Phys 1990; **18:** 1107

Geitung JT See **Gadeholt G**

Gelbert F See **Laredo J-D**

Gelbert F; Assouline E; Hodes JE; et al: MRI in spontaneous dissection of vertebral and carotid arteries: 15 cases studied at 0.5 tesla, Neuroradiol 1991; **33:** 111

Gelbfish JS See **Safian RD**

Gelblum DY See **Chenevert TL**

Gelblum DY See **Runge VM**

Geldof AA See **Rao BR**

Gelfand DW See **Chen MYM**

Gelfand DW See **Chen YM**

Gelfand DW See **Ott DJ**

Gelfand DW: barium enemas, latex balloons, and anaphylactic reactions, AJR 1991; **156:** 1

Gelfand DW: performing the barium enema examination, (ab), Radiology 1989; **173:** 289

Gelfand DW; Chen MYM; Ott DJ: preparing the colon for the barium enema examination, Radiology 1991; **178:** 609

Gelfand DW; Chen YM; Ott DJ: radiologic detection of colonic neoplasms: benefits of a systems-analysis approach, AJR 1991; **156:** 303

Gelfand DW; Ott DJ: double-contrast enema: a simplified method for filling the colon, AJR 1990; **154:** 279

Gelfand DW; Ott DJ: economic implications of radiologic screening for colonic cancer, AJR 1991; **156:** 939

Gelfand MJ; Stowens DW: I-123 iofetamine single photon emission tomography in school-age children with difficult-to-control seizures, Clin Nucl Med 1990; **14:** 675

Gelfand MJ; Strife JL; Hertzberg VS: low-grade vesicoureteral reflux: variability in grade on sequential radiographic and nuclear cystograms, Clin Nucl Med 1991; **16:** 243

Gelfand MJ; Wagner GG: gastric emptying in infants and children: limited utility of 1-hour measurement, Radiology 1991; **178:** 379

Gelin M See **Van Gansbeke D**

Gellad FE See **Kodama T**

Gellad FE; Sadato N; Numaguchi Y; Levine AM: vascular metastatic lesions of the spine: preoperative embolization, Radiology 1990; **176:** 683

Geller S See **Simon M**

Geller SC See **Bettmann MA**

Geller SC See **Durham JD**

Geller SC See **Lee MJ**

Geller SC See **Yucel EK**

Gelman R See **Alexander MS**

Gelman R See **Benacerraf BR**

Gelman R See **Epstein AH**

Gelman R See **Rose MA**

Gelman R; Alexander MS; Zucker KA; et al: use of radionuclide imaging in the evaluation of suspected biliary damage during laparoscopic cholecystectomy, Gastrointest Radiol 1991; **16:** 201

Gelman R; Mirvis SE; Gens D: diaphragmatic rupture due to blunt trauma: sensitivity of plain chest radiographs, AJR 1991; **156:** 51

Gelmers HJ See **Bendel CJA**

Geltman EM See **Gropler RJ**

Geltman EM See **Walsh MN**

Gembruch U See **Welker BG**

Gemell NI: radiology department organization, Radiology 1990; **176:** 876

Gemer LS; Trowbridge DR; Neff J; et al: local recurrence of soft tissue sarcoma following brachytherapy, Int J Radiat Oncol Biol Phys 1991; **20:** 587

Gemmell HG; Evans NTS; Besson JAO; et al: regional cerebral blood flow imaging: a quantitative comparison of technetium-99m-HMPAO SPECT with $C^{15}O_2$ PET, J Nucl Med 1990; **31:** 1595

Genant HK See **Djukic S**

Genant HK See **Glüer C-C**

Genant HK See **Munk PL**

Genant HK See **Steiger P**

Genant HK See **Weber WN**

Genant HK; Block JE; Steiger P; Glüer C-C; Ettinger B; Harris ST: appropriate use of bone densitometry, Radiology 1989; **170:** 817

Gendal ES See **Glicklich M**

Gendal ES See **Hermann G**

Gendal ES; Mendelson DS; Janus CL; et al: magnetic resonance imaging of isolated abdominal aortic dissection, Clin Imag 1989; **13:** 217

Gendelman S See **Ragland RL**

Genereux GP: Fleischner lecture: computed tomography of diffuse pulmonary disease, J Thorac Imag 1989; **4-3:** 50

Genes DM; Vachon L: ultrasound finding of peripelvic urine extravasation in ureteropelvic junction obstruction, Pediatr Radiol 1989; **20:** 122

Genest D See **Meyer JE**

Genest DR See **Benson CB**

Genez BM See **Schleisinger AE**

Genez BM; Ford ML; Day RH: case report 584, Skeletal Radiol 1989; **18:** 623

Genez BM; Willis JJ; Lowrey CE; et al: CT findings of degenerative arthritis of the atlantoodontoid joint, AJR 1990; **154:** 315

Genieser N See **Kleinman PK**

Genieser NB See **Hernanz-Schulman M**

Genieser NB See **Lubat E**

Genitoni V See **Bombelli L**

Genkins SM; Hertzberg BS; Bowie JD; et al: Pena–Shokeir type I syndrome: in utero sonographic appearance, JCU 1989; **17:** 56

Genkins SM; Sanfilippo FP; Carroll BA: duplex Doppler sonography of renal transplants: lack of sensitivity and specificity in establishing pathologic diagnosis, AJR 1989; **152:** 535

Gens D See **Gelman R**

Gens DR See **Mirvis SE**

Gensburg RS See **Cope C**

Gense D See **Brichaux JC**

Gense de Beaufort D See **Bidabé AM**

Gent HJ See **Dowlatshahi K**

Gentili A; Miron SD; Adler LP; Bellon EM: incidental detection of urinary tract abnormalities with skeletal scintigraphy, Radiographics 1991; **11:** 571

Gentili A; Miron SD; Bellon EM: nonosseous accumulation of bone-seeking radiopharmaceuticals, Radiographics 1990; **10:** 871

Gentil-Kocher S; Bernard O; Brunelle F; et al: Budd-Chiari syndrome in children: report of 22 cases, (ab), Radiology 1989; **171:** 888

Gentry JF; Schechter JJ; Mirra JM: case report 574, Skeletal Radiol 1989; **18:** 551

Gentry LR See **Unger JM**

Gentry LR: facial trauma and associated brain damage, Radiol Clin North Am 1989; **27:** 435

Gentry LR; Godersky JC; Thompson BH: traumatic brain stem injury: MR imaging, Radiology 1989; **171:** 177

Gentry LR; Mehta RC; Appen RE; et al: MR imaging of primary trochlear nerve neoplasms, AJNR 1991; **12:** 707

Gentry LR; Mehta RC; Appen RE; et al: MR imaging of primary trochlear nerve neoplasms, AJR 1991; **157:** 595

Geoffray A See **Balu-Maestro C**

George AE See **de Leon MJ**

George AE See **Rusinek H**

George AE: chronic communicating hydrocephalus and periventricular white matter disease: a debate with regard to cause and effect, AJNR 1991; **12:** 42

George AE: idiopathic intracranial hypertension: pathogenesis and the role of MR imaging, Radiology 1989; **170:** 21

George AE; de Leon MJ; Stylopoulos LA; et al: CT diagnostic features of Alzheimer disease: importance of the choroidal/hippocampal fissure complex, AJNR 1990; **11:** 101

George AE; Holman BL: Alzheimer disease, (ab), Radiology 1990; **177:** 295

George BS See **Muller DWM**

George DH; Murphy F; Michalski R; et al: serous cystadenocarcinoma of the pancreas: a new entity?, (ab), Radiology 1989; **172:** 585

George EA; Salimi Z; Wolverson MK; et al: assessment of renal allograft pathology by scintigraphic and ultrasound index-markers, Clin Nucl Med 1991; **16:** 394

George ED See **Ondra SL**

George KC; Streffer C; Pelzer T: combined effects of x rays, Ro 03-8799, and hyperthermia on growth, necrosis, and cell proliferation in a mouse tumor, Int J Radiat Oncol Biol Phys 1989; **16:** 1119

George M See **Haie C**

George PJM; Pearson MC; Edwards D; et al: bronchography in the assessment of patients with lung collapse for endoscopic laser therapy, (ab), Radiology 1991; **178:** 896

Georgian D; Rice TW; Mehta AC; et al: intrathoracic lymph node evaluation by CT and MRI with histopathologic correlation in non-small cell bronchogenic carcinoma, Clin Imag 1990; **14:** 35

Georgsen J See **Rasmussen F**

Georgsen J; Rasmussen F; Pedersen JO: granulocyte chemotaxis: influence of radiographic contrast media on the chemoattractive properties of serum, Acta Radiol 1990; **31:** 531

Geraci SJ See **Caputo GR**

Geraghty JG See **Campbell DM**

Gerald W; Kostianovsky M; Rosai J: development of vascular neoplasia in Castleman's disease: report of seven cases, (ab), Radiology 1990; **177:** 896

Gerald WL; Miller HK; Battifora H; et al: intra-abdominal desmoplastic small round-cell tumor: report of 19 cases of a distinctive type of high-grade polyphenotypic malignancy affecting young individuals, (ab), Radiology 1991; **181:** 610

Geraldes CFGC See **Buster DC**

Geraldes CFGC; Brown RD III; Cacheris WP; et al: evaluation of polyaza macrocyclic methylene phosphonate chelates of Gd^{3+} ions as MRI contrast agents, Magn Res Med 1989; **9:** 94

Gerard EL; Snow RC; Kennedy DN; et al: overall body fat and regional fat distribution in young women: quantification with MR imaging, AJR 1991; **157:** 99

Gerard G See **Shabas D**

Gerard JP See **Papillon J**

Gerard JP; Romestaing P; Montbarbon X: conservative management of anal and rectal cancer: the role of radiation therapy, Acta Oncol 1989; **28:** 507

Gerard PS See **Frank RG**

Gerard PS See **Zafaranloo S**

Gerard PS; Berman D; Zafaranloo S: CT and ultrasound of gallbladder adenomyomatosis mimicking carcinoma, JCAT 1990; **14:** 490

Gerard-Martin S See **Cassell KJ**

Gerard-McFarland EL See **Palmer WE**

Gerbaulet A See **Habrand JL**

Gerbaulet AP; Esche BA; Haie CM; et al: conservative treatment for lower gynecological tract malignancies in children and adolescents: the Institut Gustave-Roussy experience, Int J Radiat Oncol Biol Phys 1989; **17:** 655

Gerber JD; Ney DR; Magid D; et al: simulated femoral repositioning with three-dimensional CT, JCAT 1991; **15:** 121

Gerber LI See **Letac B**

Gerbi BJ; Khan FM; Deibel FC; et al: total skin electron arc irradiation using a reclined patient position, Int J Radiat Oncol Biol Phys 1989; **17:** 397

Gerdes H See **Botet JF**

Geremia GK; Hoile RD; Haklin MF; et al: balloon embolization of experimentally created aneurysms: an animal training model, AJNR 1990; **11:** 659

Geremia GK; McCluney KW; Adler SS; et al: magnetic resonance hypointense spine of AIDS, JCAT 1990; **14:** 785

Gerhardsson M; Steineck G; Norell SE: colorectal cancer in Sweden: a descriptive epidemiologic study, Acta Oncol 1990; **29:** 855

Gerhart TN See **Lotz JC**

Gerkin TM See **Tribble CG**

Gerlach A See **Arlart IP**

Gerlach R See **Schmiedl UP**

Gerlock AJ Jr: enhanced magnetic resonance imaging, Radiology 1990; **174:** 92

Gerlock AJ Jr: interventional radiology, Radiology 1991; **179:** 394

Gerlock AJ Jr: MRI of the brain, head, neck and spine: teaching atlas of clinical applications, Radiology 1989; **170:** 636

Gerlock AJ Jr: pros and cons in PTA and auxiliary methods, Radiology 1990; **176:** 680

Gerlock AJ Jr: ultrasound of the prostate, Radiology 1989; **170:** 704

Gerlock AJ Jr: use of transrectal ultrasound in the diagnosis and management of prostate cancer, Radiology 1989; **170:** 704

Germain P See **Kastler B**

Gerner EW See **Harari PM**

Gernsheimer T See **Stratton JR**

Gero BT; Chynn KY: symptomatic spinal epidural lipomatosis without exogenous steroid intake: report of a case with magnetic resonance imaging, Neuroradiol 1989; **31:** 190

Gero MJ; Lipper S; Chernys AE; et al: medullary and papillary carcinomas occurring as a collision tumor: report of a case, Clin Nucl Med 1989; **14:** 171

Gerok W See **Richter GM**

Gerritsen GJ See **Hunink MGM**

Gerritsen P See **Gussenhoven EJ**

Gerscovich E See **Greenspan A**

Gerscovich EO; Greenspan A: case report 598, Skeletal Radiol 1990; **19:** 143

Gerscovich EO; Greenspan A: computed tomography in the diagnosis of dysplasia epiphysealis hemimelica, J Canad Assoc Radiol 1989; **40:** 313

Gerscovich EO; Greenspan A; Lehman WB: idiopathic periosteal hyperostosis with dysproteinemia-Goldbloom's syndrome, Pediatr Radiol 1990; **20:** 208

Gerscovich EO; Greenspan A; Szabo RM: benign clavicular lesions that may mimic malignancy, Skeletal Radiol 1991; **20:** 173

Gerscovich EO; McGahan JP; Buonocore MH; et al: rediscovery of infant feeding formula with magnetic resonance imaging, Pediatr Radiol 1990; **20:** 147

Gersh BJ See **Holt GW**

Gershel JC See **Crain EF**

Gerson CD See **Yeh H-C**

Gerson ES: fibrocystic "disease", Radiology 1989; **171:** 583

Gerson ES: video character generator for fluoroscopic procedures, Radiology 1991; **180:** 291

Gerstman BB: epidemiologic critique of the report on adverse reactions to ionic and nonionic media by the Japanese Committee on the Safety of Contrast Media, Radiology 1991; **178:** 787

Gertler P See **Bennett CL**

Gertz EW See **Wisneski JA**

Gertz MA; Brown ML; Hauser MF; et al: utility of gallium imaging of the kidneys in diagnosing primary amyloid nephrotic syndrome, J Nucl Med 1990; **31:** 292

Gerundini P; Maffioli L: cationic complexes of technetium for myocardial imaging, J Nucl Med 1989; **30:** 1415

Gervin AS See **Hayes CW**

Gerzić Z; Rakić S; Randjelović T: acquired benign esophagorespiratory fistula: report of 16 consecutive cases, (ab), Radiology 1991; **181:** 291

Gerzof SG See **Outwater E**

Gerzof SG See **Shapiro MP**

Gerzof SG; Banks PA; Robbins AH; et al: early diagnosis of pancreatic infection by computed tomography-guided aspiration, (ab), Radiology 1989; **170:** 900

Geschwind H See **Douek PC**

Geterud K; Larsson A; Mattsson S: radiation dose to patients and personnel during fluoroscopy at percutaneous renal stone extraction, Acta Radiol 1989; **30:** 201

Getrajdman GI See **Martin EC**

Getrajdman GI See **Morgenstern BR**

Geubel A See **Van Beers BE**

Geusens P See **Verlooy H**

Geuting B See **Kaiser KP**

Gevenois PA See **Sintzoff SA Jr**

Gevenois PA; Salmon I; Stallenberg B; et al: magnetic resonance imaging of the normal prostate at 1.5 T, Br J Radiol 1990; **63:** 101

Gevenois PA; Van Sinoy ML; Sintzoff SA Jr; et al: cysts of the prostate and seminal vesicles: MR imaging findings in 11 cases, AJR 1990; **155:** 1021

Geyer AB See **Valk PE**

Geyer CA See **Buetow PC**

Geyer CA See **Jelinek JS**

Geyer CA See **McAdams HP**

Geyer J; Quadt C; Perlick E; et al: conventional radiograms for assessment of salm-calcitonin therapy for bone metastases from breast carcinoma, Eur J Radiol 1991; **12:** 124

Geyskes GG See **Klinge J**

Geyskes GG See **Mali WPTM**

Ghaed V See **Benedikt RA**

Ghaed VN See **Jelinek JS**

Ghaed VN See **McAdams HP**

Ghahremani G; Crampton AR; Bernstein JR; Caprini JA: iatrogenic biliary tract complications: radiologic features and clinical significance, Radiographics 1991; **11:** 441

Ghahremani GG See **Benya EC**

Ghahremani GG See **Gore RM**

Ghahremani GG See **Merine DS**

Ghahremani GG; Gore RM: CT diagnosis of postoperative abdominal complications, Radiol Clin North Am 1989; **27:** 787

Ghahremani GG; Michael AS: sciatic hernia with incarcerated ileum: CT and radiographic diagnosis, Gastrointest Radiol 1991; **16:** 120

Ghali V See **Gold JE**

Ghandur-Mnaymneh L See **Tehranzadeh J**

Ghavam C See **Tehranzadeh J**

Ghavimi F See **Mandell LR**

Ghazal ME See **Rosenthall L**

Ghelman B See **Blacksin MF**

Ghelman B See **Goldman AB**

Ghelman B See **Potter HG**

Ghelman B See **Rubenstein DJ**

Ghent CN See **AbouJaoude MA**

Ghent CN See **Bach DB**

Gheorghiu D See **Bloom RA**

Gherman GM See **Hricak H**

Gheuens J See **Parizel PM**

Gheung P See **Mathieu D**

Ghiatas AA See **Lancaster JL**

Ghiatas AA; Armstrong S; Tio FO: case report 583, Skeletal Radiol 1989; **18:** 619

Ghiatas AA; Nguyen VD; Perusek M: subcutaneous soft tissue densities: a computed tomography indicator of severe pancreatitis, Gastrointest Radiol 1990; **15:** 17

Ghidini A See **Sirtori M**

Ghidini A; Romero R; Eisen RN; et al: umbilical cord hemangioma: prenatal identification and review of the literature, J Ultrasound Med 1990; **9:** 297

Ghirardini G See **Popp LW**

Ghosh MK See **Shenoy PD**

Ghosh P See **Brown R**

Ghossain MA See **Buy J-N**

Ghossain MA; Buy J-N; Lignères C; Bazot M; Hassen K; Malbec L; Hugol D; Truc JB; Decroix Y; Poitout P; Vadrot D: epithelial tumors of the ovary: comparison of MR and CT findings, Radiology 1991; **181:** 863

Gia HP See **Demange P**

Giacchetto C; Catizone F; Cotroneo GB; et al: radiologic anatomy of the genital venous system in female patients with varicocele, (ab), Radiology 1990; **175:** 884

Giacchetto C; Cotroneo GB; Marincolo F; et al: ovarian varicocele: ultrasonic and phlebographic evaluation, JCU 1990; **18:** 551

Giacomantonio JM See **Hayashi AH**

Giaffer MH; Tindale WB; Senior S; et al: anaphylactoid reaction associated with the use of $^{99m}Tc^{m}$ hexamethyl propylene amine oxime as a leukocyte labelling agent, Br J Radiol 1991; **64:** 625

Gianfelice D See **Lafortune M**

Giang DW; Kido DK: transient global amnesia associated with cerebral angiography performed with use of iopamidol, Radiology 1989; **172:** 195

Gianni C See **Lombardi F**

Gianturco C See **Mirich D**

Giardina JJ See **Hwang MH**

Giardina PJ See **Brill PW**

Giavroglou CE: "retroantegrade" catheterization of the branches of the femoral artery: technical note, Cardiovasc Intervent Radiol 1989; **12:** 337

Gibas Z See **Fletcher JA**

Gibbens DT See **Gilsanz V**

Gibberd FB See **Plant GR**

Gibbon WW; Jackson A: isolated capitate fracture in a 9-year-old boy, Br J Radiol 1989; **62:** 487

Gibbon WW; Pooley J: pathological fracture of the femoral shaft in a case of Servelle–Martorell syndrome (phleboeclatic osteohypoplastic angiodysplasia with associated arterio-venous malformation), Br J Radiol 1990; **63:** 574

Gibbons GW See **Pomposelli FB Jr**

Gibbons GW See **Stokes KR**

Gibbons RJ: technetium 99m sestamibi in the assessment of acute myocardial infarction, Semin Nucl Med 1991; **21:** 213

Gibbs FA See **Petrovich Z**

Gibbs P See **Guilfoyle DN**

Gibbs P See **Ordidge RJ**

Gibbs SJ See **Park JH**

Gibby WA; Billings J; Hall J; et al: biodistribution and magnetic resonance imaging of cross-linked DTPA polysaccharides, Invest Radiol 1990; **25:** 164

Gibby WA; Bogdan A; Ovitt TW: cross-linked DTPA polysaccharides for magnetic resonance imaging: synthesis and relaxation properties, Invest Radiol 1989; **24:** 302

Gibby WA; Stecker MM; Goldberg HI; et al: reversal of white matter edema in hypertensive encephalopathy, AJNR 1989; **10:** S78

Gibney RG See **Bilbey JH**

Gibney RG See **Bissonnette RT**

Gibney RG See **Lee SH**

Gibney RG See **McGrath FP**

Gibney RG See **Marsh JI**

Gibney RG See **Scott IR**

Gibney RG See **So CB**

Gibney RG; Chow K; So CB; et al: gallstone recurrence after cholecystolithotomy, AJR 1989; **153:** 287

Gibson JM; Hall-Craggs MA; Dicks-Mireaux C; et al: intracardiac extension of Wilms' tumour: demonstration by magnetic resonance, Br J Radiol 1990; **63:** 568

Gibson L See **Garagiola DM**

Gibson MD See **Parker SH**

Gibson MD See **Yakes WF**

Gibson PG; Bryant DH; Morgan GW; et al: radiation-induced lung injury: a hypersensitivity pneumonitis?, (ab), Radiology 1989; **170:** 901

Gibson PR See **Gibson RN**
Gibson R See **Mitchell P**
Gibson RD; Cowan IA: giant aneurysm of the petrous carotid artery presenting with facial numbness, Neuroradiol 1989; **31:** 440
Gibson RE; Schneidau TA; Cohen VI; et al: in vitro and in vivo characteristics of [iodine-125] 3-(R)-quinuclidinyl (S)-4-iodobenzilate, J Nucl Med 1989; **30:** 1079
Gibson RJ See **Massoud TF**
Gibson RN; Collier NA; Speer AG: percutaneous transjejunal access to the biliary system, Radiology 1990; **175:** 286
Gibson RN; Gibson PR; Donlan JD; et al: identification of a patent paraumbilical vein by using Doppler sonography: importance in the diagnosis of portal hypertension, AJR 1989; **153:** 513
Gibson SL See **Ceckler TL**
Giddens DP See **Jones SA**
Gidding SS See **Pahl E**
Giddings NA; Kennedy TL; Knipe KL; et al: aneurysmal bone cyst of the mandible, (ab), Radiology 1990; **174:** 903
Gidumal R See **Rafii M**
Gie GA See **Anthony PP**
Gielchinsky I See **Parsonnet V**
Gielen JL; van Holsbeeck MT; Hauglustaine D; et al: growing bone cysts in long-term hemodialysis, Skeletal Radiol 1990; **19:** 43
Gierson ED See **Silverstein MJ**
Giese WL See **Brosing JW**
Gifford D; Godden TJ; Kear D: analysis of personnel dose records which justifies the application of cost-benefit analysis techniques in the design of an afterloading facility and the use of controlled areas and systems of work within suite to control occupational exposure, Br J Radiol 1990; **63:** 214
Gifford RRM See **Serena TE**
Giger ML See **Asada N**
Giger ML See **Cook LT**
Giger ML See **Fraser RG**
Giger ML See **MacMahon H**
Giger ML; Doi K; MacMahon H; Metz CE; Yin F-F: pulmonary nodules: computer-aided detection in digital chest images, Radiographics 1990; **10:** 41
Gigli F See **Lehmann B**
Gigot J-F See **Van Beers BE**
Gikas PW See **Quint LE**
Gilbert FI Jr See **Nordyke RA**
Gilbert FJ; Campbell RSD; Bayliss AP: role of ultrasound in the detection of non-radiopaque foreign bodies, Clin Radiol 1990; **41:** 109
Gilbert JJ See **Karlik SJ**
Gilbert P See **Walden CA**
Gilbert SA See **Brown PH**
Gilbert TH See **Elster AD**
Gilbertson DT See **Shaw EG**
Gilbertson V See **Oates E**
Gilchrist AM See **Rubesin SE**
Gilchrist AM; Sloan JM; Logan CJH; et al: case report: gastrointestinal bleeding due to multiple ileal duplications diagnosed by scintigraphy and barium studies, Clin Radiol 1990; **41:** 134
Gilday D See **Vogel M**
Giles J See **Raby N**
Giles JA; Sechtin AG; Waybill MM; et al: bilateral internal mammary artery aneurysms: a previously unreported cause for an anterior mediastinal mass, AJR 1990; **154:** 1189
Giles KA See **Gorczyca DP**
Gilkey FW See **Kransdorf MJ**
Gilkey FW See **Moser RP Jr**
Gilks B; Hegedus C; Freeman H; et al: malignant peritoneal mesothelioma after remote abdominal radiation, (ab), Radiology 1989; **170:** 581
Gilks CB See **Becker CD**
Gilks CB See **Young RH**
Gill BM See **Rimkus DS**
Gill G See **McKenzie A**
Gill JB See **Fischman AJ**
Gill JB See **Miller DD**
Gill RW See **Wilson LS**
Gill RW; Kossoff MB; Kossoff G; Griffiths KA: new class of pulsed Doppler US ambiguity at short ranges, Radiology 1989; **173:** 272
Gill SS See **Thomson ES**
Gill SS; Thomas DGT; Van Bruggen N; et al: proton MR spectroscopy of intracranial tumours: in vivo and in vitro studies, JCAT 1990; **14:** 497
Gill SS; Thomas DGT; Warrington AP; et al: relocatable frame for stereotactic external beam radiotherapy, Int J Radiat Oncol Biol Phys 1991; **20:** 599
Gillams A; Dick R; Dooley JS; Wallsten H; El-Din A: self-expandable stainless steel braided endoprosthesis for biliary strictures, Radiology 1990; **174:** 137
Gilland DR; Jaszczak RJ; Greer KL; et al: quantitative SPECT reconstruction of iodine-123 data, J Nucl Med 1991; **32:** 527
Gillatt DA See **Kabala JE**
Gillen GJ; Gilmore B; Elliott AT: investigation of the magnitude and causes of count loss artifacts in SPECT imaging, J Nucl Med 1991; **32:** 1771
Gillen JS See **Davis PL**
Giller CA; Purdy P: technique for computer-guided stereotaxis without preoperative head fixation, Comput Med Imag Graph 1990; **14:** 231
Giller CA; Purdy P; Lindstrom WW: effects of inhaled stable xenon on cerebral blood flow velocity, AJNR 1990; **11:** 177
Gillerot Y See **van Maldergem L**
Gilles FH See **Bird CR**
Gilles FH See **Nelson MD Jr**
Gilles RG See **Carlier PG**
Gillespie A See **Trewhella M**
Gillespie B See **Perez CA**
Gillespie R See **Riley PM**
Gillespy MP See **Gillespy T III**
Gillespy T III See **Heare MM**
Gillespy T III See **Holt RG**
Gillespy T III; Gillespy MP: osteoporosis, Radiol Clin North Am 1991; **29:** 77
Gillet B; Mergui S; Beloeil J-C; et al: ^{1}H COSY spectra of superfused brain slices of rat: *ex vivo* direct assignment of resonances, Magn Res Med 1989; **11:** 288
Gillet C See **Martin P**
Gillet PM See **Gaucher AA**
Gillette EL See **Gillette SLM**
Gillette EL See **LeCouteur RA**
Gillette EL See **McChesney SL**
Gillette EL See **Powers BE**
Gillette EL; Powers BE; McChesney SL; et al: response of aorta and branch arteries to experimental intraoperative irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 1247
Gillette SLM See **Powers BE**
Gillette SLM; Gillette EL; Powers BE; et al: ureteral injury following experimental intraoperative radiation, Int J Radiat Oncol Biol Phys 1989; **17:** 791
Gillette SM See **Ching SV**
Gillies JH See **Olivotto IA**
Gillies RJ; Scherer PG; Raghunand N; et al: iteration of hybridoma growth and productivity in hollow fiber bioreactors using ^{31}P NMR, Magn Res Med 1991; **18:** 181
Gillilan R See **Spiegler EJ**
Gilliland JD; Spies JB; Brown SB; Yrizarry JM; Greenwood LH: lymphoceles: percutaneous treatment with povidone-iodine sclerosis, Radiology 1989; **171:** 227
Gilliland PF See **Carpentier WR**
Gillin MT See **Cooley G**
Gillings D See **van Breda A**
Gillis S See **Uckun FM**
Gillogly SD See **Rak KM**
Gilmartin JJ See **Veale D**
Gilmore B See **Gillen GJ**
Gilmore IT See **Gore S**
Gilpin JW See **Dyer RB**
Gilsanz V See **Allwright SJ**
Gilsanz V: vertebral bone density in children: effect of puberty: reply, Radiology 1989; **170:** 895
Gilsanz V; Gibbens DT; Carlson M; et al: vertebral bone density in Scheuermann disease, (ab), Radiology 1990; **174:** 296
Gilula LA See **Baker KS**
Gilula LA See **Bower BL**
Gilula LA See **Smith DK**
Gilula LA See **Wilson AJ**
Gilula LA; Destouet JM; Monsees B: nipple simulating a breast mass on a mammogram, Radiology 1989; **170:** 272
Gilvydas R See **Freitas JE**
Gimenez G See **Basset O**
Gimenez-Mas JA See **Ara Callizo JR**
Gimlette TMD See **Brownless SM**
Gimson A See **Evans RA**
Gin AM See **Bidabé AM**
Ginai AZ: case report 607, Skeletal Radiol 1990; **19:** 227
Ginai AZ: technical report: evacuation proctography (defecography) a new seat and method of examination, Clin Radiol 1990; **42:** 214
Ginaldi S: small bowel perforation during enteroclysis, Gastrointest Radiol 1991; **16:** 29
Ginalski JM; Portmann L; Jaeger P: does medullary sponge kidney cause nephrolithiasis?, AJR 1990; **155:** 299
Ginalski J-M; Schnyder P; Portmann L; et al: medullary sponge kidney on axial computed tomography: comparison with excretory urography, Eur J Radiol 1991; **12:** 104
Gindre-Barrucand T; Charleux F; Turjman F; et al: magnetic resonance imaging contribution to the diagnosis of spinal cord compression by a subdural arachnoid cyst, Neuroradiol 1991; **33:** 87
Ginestet MC See **Rousseau HP**
Gingrich RD See **Mori M**
Gini A See **Sangar VK**
Gini A; Holmes RA: coexistence of cerebral infarct and arterovenous malformation demonstrated by Tc-99m HMPAO and Tc-99m RBC SPECT imaging, Clin Nucl Med 1989; **14:** 303
Ginn-Pease ME See **Caniano DA**
Ginsberg HN See **Swayne LC**
Ginsberg JS; Caco CC; Brill-Edwards PA; Panju AA; Bona R; Demers CM; Tuters LM; Nugent P; McGinnis J; Grant BM; Vander Lander Vries MA: venous thrombosis in patients who have undergone major hip or knee surgery: detection with compression US and impedance plethysmography, Radiology 1991; **181:** 651
Ginsberg JS; Shin A; Turpie GG; et al: detection of previous proximal venous thrombosis with Doppler ultrasonography and photoplethysmography, (ab), Radiology 1990; **175:** 590
Ginsberg RJ See **Shepherd FA**
Ginsburg R; Thorpe P; Bowles CR; Wright AM; Wexler L: pull-through approach to percutaneous angioplasty of totally occluded common iliac arteries, Radiology 1989; **172:** 111
Giorgio A; Francica G; Amoroso P; et al: morphologic and motility changes of the gallbladder in response to acute liver injury: a prospective real-time sonographic study in 255 patients with acute viral hepatitis, J Ultrasound Med 1989; **8:** 499
Giorgio A; Francica G; de Stefano G; et al: sonographic recognition of intraparenchymal regenerating nodules using high-frequency transducers in patients with cirrhosis, J Ultrasound Med 1991; **10:** 355
Gips S See **Hardoff R**
Gips S; Cohen L; Hardoff R: 'stress fracture' in osteoporosis treated with sodium fluoride, Clin Nucl Med 1991; **16:** 183
Girard MJ See **Dawson SL**
Girard MJ See **Goldberg MA**
Girard MJ See **Hahn PF**
Girard P-M See **Defalque D**
Girardot C; Boukobza M; Lamoureux J-P; et al: choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement: report of four cases and review of the literature, J Neuroradiol 1990; **17:** 303
Giraudet-Le Quintrec J-S See **Goupille P**
Girdany BR See **Newman B**
Gires F See **Rousselin B**
Girgis FG See **Berkmen YM**
Giri BP See **Evelhoch JL**
Giri PGS See **Miller PJ**
Girinski T; Pejovic-Lenfant MH; Bourhis J; et al: prognostic value of hemoglobin concentrations and blood transfusions in advanced carcinoma of the cervix treated by radiation therapy: results of a retrospective study of 386 patients, Int J Radiat Oncol Biol Phys 1989; **16:** 37
Girinski TA See **Geara F**
Girinsky T See **Socie G**
Girod DA See **Stanger P**
Giron J See **Mata JM**
Girotti F See **Savoiardo M**
Girson M; Mendelsohn DB; Burns D; et al: histologically benign pleomorphic adenoma of the calvaria, AJNR 1991; **12:** 193
Girton ME See **Choyke PL**
Girton ME See **Feuerstein IM**
Girton ME See **Frank JA**
Girvan DP See **Schneeberger AL**
Gisbert VL See **Odland MD**
Gittelsohn AM See **Savader SJ**
Giuliani DC; Ford EH; Morse BS: rapid method for estimating mean platelet survival time, J Nucl Med 1989; **30:** 1550
Giuliani G See **Gambari PI**
Giuliani S See **Pavone P**
Giuliano AE See **Bassett LW**
Giuliano CT; Cohen HL; Haller JO; et al: sting procedure and its complications: sonographic evaluation, JCU 1990; **18:** 415
Giunta S; Tipaldi L; Diotellevi F; et al: CT demonstration of peritoneal metastases after intraperitoneal injection of contrast media, Clin Imag 1990; **14:** 31
Giussani DA See **Spencer JAD**
Given-Wilson R See **Haigh F**
Given-Wilson R See **Moody AR**
Given-Wilson R; Pope RM; Michell MJ; et al: use of real-time orbital ultrasound in Graves' ophthalmopathy: a comparison with computed tomography, Br J Radiol 1989; **62:** 705
Given-Wilson RM See **Wilson NV**
Giyanani V See **Parvey HR**
Giyanani VL: intraoperative and endoscopic ultrasonography, Radiology 1989; **171:** 52
Giyanani VL; Fertel D; Eggerstedt J: use of ultrasound for localization of a foreign object in the heart, JCU 1989; **17:** 379
Giyanani VL; Krebs CA; Nall LA; et al: diagnosis of abdominal aortic dissection by image-directed Doppler sonography, JCU 1989; **17:** 445
Gjedde A See **Kuwabara H**
Gjerris F See **Henriksen O**
Gjerris F See **Pedersen H**

Gjøen T; Strande P; Golman K; et al: particulate contrast medium for computed tomography of the liver, Invest Radiol 1990; **25:** S98

Gjørup T; Kelbaek H; Strandberg C; et al: doctors' requirements for reproducibility of diagnostic information, Invest Radiol 1990; **25:** 39

Gjørup T; Kelbaek H; Vestergaard B; et al: reproducibility in the analysis of multigated radionuclide studies of left ventricular ejection fraction, Invest Radiol 1989; **24:** 104

Gladstone IM; Ehrenkranz RA; Jacobs HC: pulmonary function tests and fluid balance in neonates with chronic lung disease during dexamethasone treatment, (ab), Radiology 1990; **175:** 887

Gladziwa U See **Gehl H-B**

Glaeser DH See **Lawrie GM**

Glaholm J See **Bomanji J**

Glaholm J See **Madden A**

Glaholm J; Bloom HJG; Crow JH: role of radiotherapy in the management of intracranial meningiomas: the Royal Marsden Hospital experience with 186 patients, Int J Radiat Oncol Biol Phys 1990; **18:** 755

Glaholm J; Leach MO; Collins D; et al: comparison of 5-fluorouracil pharmacokinetics following intraperitoneal and intravenous administration using *in vivo* ^{19}F magnetic resonance spectroscopy, Br J Radiol 1990; **63:** 547

Glancy JJ; Wisniewski ZS; Earle CM; et al: role of dynamic corpora cavernosography in the management of impotence, Australas Radiol 1989; **33:** 128

Glantz L See **Rubenstein DJ**

Glanville JN: technical report: nalbuphine hydrochloride (Nubain, DuPont) as premedication for radiological procedures, Clin Radiol 1990; **42:** 212

Glaros DC See **Karantanas AH**

Glas U See **Rutqvist LE**

Glas U See **von Rosen A**

Glaser AM See **Stewart CA**

Glaser AM; Chen DCP; Siegel ME: multimodality evaluation of Klatskin tumor: detection by SPECT alone, Clin Nucl Med 1989; **14:** 227

Glaser B See **Horne T**

Glaser EM See **Glaser JR**

Glaser JR; Glaser EM: neuron imaging with Neurolucida—a PC-based system for image combining microscopy, Comput Med Imag Graph 1990; **14:** 307

Glasgow GP; Wang S; Stanton J: total body irradiation stand for bone marrow transplant patients, Int J Radiat Oncol Biol Phys 1989; **16:** 875

Glashow JL; Katz R; Schneider M; et al: double-blind assessment of the value of magnetic resonance imaging in the diagnosis of anterior cruciate and meniscal lesions, (ab), Radiology 1989; **173:** 293

Glasier CM See **Alexander JE**

Glasier CM See **Angtuaco EEC**

Glasier CM See **Benitez WI**

Glasier CM See **Seibert JJ**

Glasier CM See **Stark JE**

Glasier CM See **Williamson MR**

Glasier CM See **Williamson SL**

Glasier CM; Chadduck WM; Leithiser RE Jr; et al: screening spinal ultrasound in newborns with neural tube defects, J Ultrasound Med 1990; **9:** 339

Glasier CM; Hassell DR: spinal canal extension of hyperalimentation catheter without neurologic sequela, Pediatr Radiol 1989; **19:** 206

Glasier CM; Leithiser RE Jr; Williamson SL; et al: extracardiac chest ultrasonography in infants and children: radiographic and clinical implications, (ab), Radiology 1990; **174:** 296

Glasier CM; Mallory GB Jr; Steele RW: significance of opacification of the maxillary and ethmoid sinuses in infants, (ab), Radiology 1990; **174:** 295

Glasier CM; Seibert JJ; Chadduck WM; Williamson SL; Leithiser RE Jr: brain death in infants: evaluation with Doppler US, Radiology 1989; **172:** 377

Glass AG See **Boice JD Jr**

Glass P See **Taylor GA**

Glass RBJ: interventionelle radiologie (interventional radiology), Radiology 1989; **170:** 998

Glass RBJ: radiologische anatomie des neugeborenen: für röntgen, sonographie, CT, MRI (radiographic anatomy of the newborn: for radiology, ultrasound, CT, MRI), Radiology 1990; **176:** 84

Glass RBJ; Davidson AJ; Fernbach SK: clear cell sarcoma of the kidney: CT, sonographic, and pathologic correlation, Radiology 1991; **180:** 715

Glass RBJ; Yousefzadeh DK; Roizen NJ: mastoid abnormalities in Down syndrome, Pediatr Radiol 1989; **19:** 311

Glass T See **Magid N**

Glass T; Heyman S: multiple foci of increased accumulation of Ga-67 citrate in a horseshoe kidney: differentiation of infection from nephroblastomatosis, Clin Nucl Med 1991; **16:** 84

Glass T; Heyman S; Seliem M; et al: use of Tc-99m MAA in determining the etiology of increasing cyanosis following SVC-PA anastomosis for the hypoplastic left heart syndrome, Clin Nucl Med 1991; **16:** 410

Glass TS See **Leonidas JC**

Glassberg RM; Sussman SK: life-threatening hemorrhage due to percutaneous transthoracic intervention: importance of the internal mammary artery, AJR 1990; **154:** 47

Glassberg RM; Sussman SK; Glickstein MF: CT anatomy of the internal mammary vessels: importance in planning percutaneous transthoracic procedures, AJR 1990; **155:** 397

Glasser SA See **Lehrman BJ**

Glasser SA; Garfinkle W; Scanlon M: intracranial complication during insertion of a nasogastric tube, AJNR 1990; **11:** 1170

Glassock RJ; Cohen AH; Danovitch G; et al: human immunodeficiency virus (HIV) infection and the kidney, (ab), Radiology 1990; **176:** 295

Glassroth J See **Sider L**

Glass-Royal M See **Mueller PR**

Glass-Royal M See **Stacy-Humphries R**

Glass-Royal M; Teitelbaum GP; Joseph GJ; et al: nonendoscopic techniques for manipulating Sacks–Vine gastrostomy tubes: technical note, Cardiovasc Intervent Radiol 1989; **12:** 346

Glass-Royal MC See **Cazenave FL**

Glass-Royal MC; Nelson MC; Albert F; et al: case report 557, Skeletal Radiol 1989; **18:** 392

Glatt AE See **Prego V**

Glatt HJ: dacryocystoplasty: an oculoplastic surgeon's perspective, Radiology 1991; **180:** 289

Glatt SL See **Hellman RS**

Glauser TA; Rorke LB; Weinberg PM; et al: acquired neuropathologic lesions associated with the hypoplastic left heart syndrome, (ab), Radiology 1990; **177:** 895

Glaves I See **Jaeger HJ**

Glazebrook GA See **Pohar SS**

Glazer GM See **Britt AR**

Glazer GM See **Francis IR**

Glazer GM See **Ikeda DM**

Glazer GM See **Marn CS**

Glazer GM See **Quint LE**

Glazer GM See **Remer EM**

Glazer GM See **Webb WR**

Glazer GM; Orringer MB; Chenevert TL: mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Radiology 1990; **174:** 285

Glazer HS See **Lee JKT**

Glazer HS See **Molina PL**

Glazer HS See **Sagel SS**

Glazer HS See **Siegel MJ**

Glazer HS See **Solomon SL**

Glazer HS; Anderson DJ; DiCroce JJ; Solomon SL; Wilson BS; Molina PL; Sagel SS: anatomy of the major fissure: evaluation with standard and thin-section CT, Radiology 1991; **180:** 839

Glazer HS; Anderson DJ; Sagel SS: bronchial impaction in lobar collapse: CT demonstration and pathologic correlation, AJR 1989; **153:** 485

Glazer HS; Anderson DJ; Wilson BS; Molina PL; Sagel SS: pneumothorax: appearance on lateral chest radiographs, Radiology 1989; **173:** 707

Glazer HS; Kaiser LR; Anderson DJ; Molina PL; Emami B; Roper CL; Sagel SS: indeterminate mediastinal invasion in bronchogenic carcinoma: CT evaluation, Radiology 1989; **173:** 37

Glazer HS; Molina PL; Siegel MJ; et al: high-attenuation mediastinal masses on unenhanced CT, AJR 1991; **156:** 45

Glazer HS; Siegel MJ; Sagel SS: low-attenuation mediastinal masses on CT, AJR 1989; **152:** 1173

Glazer-Waldman H See **Mootz AR**

Gleason DM See **Donovan JM**

Gleason T; Cragg AH; Smith TP; Landas SK; De Jong SC: thermal balloon angioplasty in a canine model: preliminary results, JVIR 1990; **1:** 121

Glees J See **Bloom HJG**

Gleeson F See **Padley S**

Gleeson F; Lomas DJ; Flower CDR; et al: powered cutting needle biopsy of the pleura and chest wall, Clin Radiol 1990; **41:** 199

Gleeson FV See **Somers JM**

Gleeson K; Wise S: do-not-resuscitate order: still too little too late, (ab), Radiology 1990; **177:** 600

Gleeson MJ See **Griffith DP**

Gleeson MJ; Griffith DP: newer interventional procedures for treatment of cholecystolithiasis, Radiology 1989; **172:** 285

Gleicher N; Confino E: nonsurgical fallopian tube recanalization for treatment of infertility, Radiology 1990; **177:** 589

Glenn SD See **Lear JL**

Glenny RW See **Schmidt RA**

Glenthøj A See **Karstrup S**

Glew D; Hartnell GG: right aortic arch revisited, Clin Radiol 1991; **43:** 305

Glew D; Watt I; Dieppe PA; et al: MRI of the cervical spine: rheumatoid arthritis compared with cervical spondylosis, Clin Radiol 1991; **44:** 71

Glick AD See **Fleischer AC**

Glick PL See **Riddlesberger MM Jr**

Glick SJ See **Knesaurek K**

Glick SN See **Rubesin SE**

Glick SN: gastric carcinoma in patients with Crohn disease: report of four cases, AJR 1991; **157:** 311

Glick SN: inverted colonic diverticulum: air contrast barium enema findings in six cases, AJR 1991; **156:** 961

Glick SN; Teplick SK; Amenta PS: giant hyperplastic polyps of the gastric remnant simulating carcinoma, Gastrointest Radiol 1990; **15:** 151

Glick SN; Teplick SK; Amenta PS: microscopic (collagenous) colitis, AJR 1989; **153:** 995

Glick SN; Teplick SK; Balfe DM; et al: large colonic neoplasms missed by endoscopy, AJR 1989; **152:** 513

Glicklich M; Eliasoph J: incarcerated obturator hernia: case diagnosed at barium enema fluoroscopy, Radiology 1989; **172:** 51

Glicklich M; Mendelson DS; Gendal ES; et al: tuberculous empyema necessitatis: computed tomography findings, Clin Imag 1990; **14:** 23

Glicksman AS See **Tatcher M**

Glickson JD: clinical NMR spectroscopy of tumors: current status and future directions, Invest Radiol 1989; **24:** 1011

Glickstein MF See **Epstein DM**

Glickstein MF See **Glassberg RM**

Glickstein MF See **Jacobs JE**

Glickstein MF See **Sussman SK**

Glickstein MF; Burke DL Jr; Kressel HY: magnetic resonance demonstration of hyperintense herniated discs and extruded disc fragments, Skeletal Radiol 1989; **18:** 527

Glickstein MF; Sussman SK: time-dependent scar enhancement in magnetic resonance imaging of the postoperative lumbar spine, Skeletal Radiol 1991; **20:** 333

Gliedman PR: long-term complications of therapy for cancer in childhood and adolescence, Radiology 1990; **174:** 662

Gliksman N See **Galbraith W**

Glimelius B See **Enblad G**

Glimelius B See **Hagberg H**

Glimelius BLG See **Nyman RS**

Glimelius BLG See **Rehn SM**

Gliński B See **Skołyszewski J**

Glockner JF; Chan H-C; Swartz HM: *in vivo* oximetry using a nitroxide-liposome system, Magn Res Med 1991; **20:** 123

Glossner E See **Hüller R**

Glover D; Grabelsky S; Fox K; et al: clinical trials of WR-2721 and cis-platinum, Int J Radiat Oncol Biol Phys 1989; **16:** 1201

Glover DJ See **Turrisi AT III**

Glover G See **Conolly S**

Glover G See **Schneider EA**

Glover GH See **Bergin CJ**

Glover GH See **Pelc NJ**

Glover GH See **Tamler B**

Glover GH: phase-offset multiplanar (POMP) volume imaging: a new technique, JMRI 1991; **1:** 457

Glover GH; Schneider E: three-point Dixon technique for true water/fat decomposition with B_0 inhomogeneity correction, Magn Res Med 1991; **18:** 371

Glover JR; Kellett MJ: case report: duodenal obstruction due to hydrocalycosis, Clin Radiol 1991; **43:** 414

Glover JR; Kennedy C; Coral A: case report: tortuous vertebral artery—onset of symptoms during pregnancy, Clin Radiol 1990; **41:** 66

Glover JR; Thomas BM: case report: severe adverse reaction to oral iohexol, Clin Radiol 1991; **44:** 137

Glover P See **Mansfield P**

Glover P See **Stehling MK**

Glowniak JV See **Patrick ST**

Glowniak JV; Turner FE; Gray LL; et al: iodine-123 metaiodobenzylguanidine imaging of the heart in idiopathic congestive cardiomyopathy and cardiac transplants, J Nucl Med 1989; **30:** 1182

Gluck CD; Bundy AL; Fine C; et al: sonographic urethrogram: comparison to roentgenographic techniques in 22 patients, (ab), Radiology 1989; **172:** 292

Glüer C-C See **Genant HK**
Glüer C-C See **Steiger P**
Glüer C-C; Genant HK: impact of marrow fat on accuracy of quantitative CT, JCAT 1989; **13:** 1023
Glüer CC; Steiger P; Genant HK: acronym for dual-energy x-ray absorptiometry: reply, Radiology 1990; **176:** 875
Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK: comparative assessment of dual-photon absorptiometry and dual-energy radiography, Radiology 1990; **174:** 223
Glynn TP Jr: transosseous approach for thoracic needle biopsy, Radiology 1990; **177:** 278
Glynn TP Jr; Kreipke DL; DeRosa GP: computed tomography arthrography in traumatic hip dislocation: intra-articular and capsular findings, Skeletal Radiol 1989; **18:** 29
Glynn TP Jr; Kreipke DL; Irons JM: amyloidosis: diffuse involvement of the retroperitoneum, Radiology 1989; **170:** 726
Glynne-Jones R See **Costa DC**
Glynne-Jones RGT; Anand AK; Young TE; et al: metastatic carcinoma in the cervical lymph nodes from an occult primary: a conservative approach to the role of radiotherapy, Int J Radiat Oncol Biol Phys 1990; **18:** 289
Gmeinwieser J; Erhardt W; Reimann HJ; et al: side effects of water-soluble contrast agents in upper gastrointestinal tract, Invest Radiol 1990; **25:** 527
Gmeinwieser JK See **Lehner KB**
Gmelin E See **Rinast E**
Gmelin E; Winterhoff R; Rinast E: insufficient hemodialysis access fistulas: late results of treatment with percutaneous balloon angioplasty, Radiology 1989; **171:** 657
Goates JJ; Morton KA; Whooten WW; et al: comparison of methods for calculating glomerular filtration rate: technetium-99m-DTPA scintigraphic analysis, protein-free and whole-plasma clearance of technetium-99m-DTPA and iodine-125-iothalamate clearance, J Nucl Med 1990; **31:** 424
Gober JR See **Schaefer S**
Gober JR; Schaefer S; Camacho SA; et al: epicardial and endocardial localized ^{31}P magnetic resonance spectroscopy: evidence for metabolic heterogeneity during regional ischemia, Magn Res Med 1990; **13:** 204
Gober JR; Schwartz GG; Schaefer S; et al: ^{31}P MRS of myocardial inorganic phosphate using radiofrequency gradient echoes, Magn Res Med 1991; **20:** 171
Gobin P; Theron J; Courtheoux F; et al: percutaneous automated lumbar nucleotomy, J Neuroradiol 1989; **16:** 203
Goble M See **Caron KH**
Gocke DJ See **Amorosa JK**
Goddard K See **Jenkin D**
Goddard MK; Hutton J: what is the cost of radiotherapy?, Eur J Radiol 1991; **13:** 76
Goddard P See **Kinsella D**
Goddard P; Kinsella D; Duncan AW; et al: magnetic resonance imaging of the chest in infectious mononucleosis, Br J Radiol 1990; **63:** 138
Goddard PL See **Booth A**
Goddard-Finegold J See **Martin CG**
Goddart D; Francois A; Ninane J; et al: parotid gland abnormality found in children seropositive for the human immunodeficiency virus (HIV), Pediatr Radiol 1990; **20:** 355
Godden J See **Adams GE**
Godden TJ See **Gifford D**
Godersky JC See **Gentry LR**
Godfrey C See **Sachinwalla T**
Godfrey LW See **Todd BD**
Godine LB; Berdon WE; Brasch RC; et al: adrenocortical carcinoma with extension into inferior vena cava and right atrium: report of 3 cases in children, Pediatr Radiol 1990; **20:** 166
Godlewski P See **Wholey MH**
Godwin JD See **Hommeyer SH**
Godwin JD See **Ikezoe J**
Godwin JD See **Marglin SI**
Godwin JD See **Moore ADA**
Godwin JD See **Murayama S**
Godwin JD See **Rusch VW**
Godwin JD See **Schmidt RA**
Godwin JD See **Takasugi JE**
Godwin JD See **Varnell RM**
Godwin JD: conventional CT of the aorta, J Thorac Imag 1990; **5-4:** 18
Godwin TA See **Teixidor HS**
Goebel HH See **Just M**
Goeckeler WF See **Volkert WA**
Goedken J See **Kao SCS**
Goei R: anorectal function in patients with defecation disorders and asymptomatic subjects: evaluation with defecography, Radiology 1990; **174:** 121
Goei R; Baeten C: rectal intussusception and rectal prolapse: detection and postoperative evaluation with defecography, Radiology 1990; **174:** 124
Goei R; Kemerink G: radiation dose in defecography, Radiology 1990; **176:** 137
Goei R; van Engelshoven J; Schouten H; Baeten C; Stassen C: anorectal function: defecographic measurement in asymptomatic subjects, Radiology 1989; **173:** 137
Goel A; Sharp DJ: heterotopic bone formation after hip replacement: the influence of the type of osteoarthritis, (ab), Radiology 1991; **181:** 614
Goerg C; Schwerk W-B: peritoneal carcinomatosis with ascites, AJR 1991; **156:** 1185
Goerg C; Schwerk WB: splenic infarction: sonographic patterns, diagnosis, follow-up, and complications, Radiology 1990; **174:** 803
Goerg C; Schwerk WB: ultrasound of extranodal abdominal lymphoma—a review, Clin Radiol 1991; **44:** 92
Goerg C; Schwerk WB; Goerg K: gastrointestinal lymphoma: sonographic findings in 54 patients, AJR 1990; **155:** 795
Goerg C; Schwerk W-B; Goerg K; et al: pleural effusion: an "acoustic window" for sonography of pleural metastases, JCU 1991; **19:** 93
Goerg C; Schwerk WB; Goerg K; et al: sonographic patterns of the affected spleen in malignant lymphoma, JCU 1990; **18:** 569
Goerg C; Schwerk WB; Goerg K: sonography of focal lesions of the spleen, AJR 1991; **156:** 949
Goerg C; Schwerk WB; Goerg K: splenic lesions: sonographic patterns, follow-up, differential diagnosis, Eur J Radiol 1991; **13:** 59
Goerg K See **Goerg C**
Goes E; Janssens W; Maillet B; et al: tissue characterization of atheromatous plaques: correlation between ultrasound image and histological findings, JCU 1990; **18:** 611
Goetowski PG See **Mehta MP**
Goff JS See **Durham JD**
Goff JS See **Ready JB**
Goff WB II See **Grosskreutz S**
Goff WB II See **Legan JM**
Goffette P; Kurdziel JC; Dondelinger RF: local urokinase infusion for total occlusion of the lower abdominal aorta: report of two cases and a review of the literature, Eur J Radiol 1989; **9:** 121
Goffette P; Kurdziel JC; Dondelinger RF: percutaneous local arterial thrombolytic infusion: therapeutic effects and complications, Acta Radiol 1991; **32:** 305
Goffinet DR; Prionas SD; Kapp DS; et al: interstitial ^{192}Ir flexible catheter radiofrequency hyperthermia treatments of head and neck and recurrent pelvic carcinomas, Int J Radiat Oncol Biol Phys 1990; **18:** 199
Gogel H See **Davis M**
Goggin MW See **Mattox JH**
Gogoll M See **Kaminsky S**
Goh ASW See **Sundram FX**
Goh KL See **Fan CJ**
Göhl K See **Moshage W**
Goin JE; Hermann GA: clinical efficacy of diagnostic imaging evaluation studies: problems, paradigms, and prescriptions, Invest Radiol 1991; **26:** 507
Goins D See **Creasy JL**
Goins WA; Rodriguez A; Joshi M; et al: intra-abdominal abscess after blunt abdominal trauma, (ab), Radiology 1991; **178:** 586
Goitein M See **Stracher MA**
Goitein M See **Urie MM**
Gokan T See **Munechika H**
Gökçin A See **Cehreli C**
Gokhale KA See **Davis PC**
Gokmen M See **Li CC**
Goksör L-Å See **Kälebo P**
Golbus MS See **Munoz C**
Gold BI See **Ashtari M**
Gold JE; Ghali V; Gold S; et al: angiocentric immunoproliferative lesion/T-cell non-Hodgkin's lymphoma and the acquired immune deficiency syndrome: a case report and review of the literature, (ab), Radiology 1991; **180:** 296
Gold JWM See **Telzak EE**
Gold PF; Saitas V; Pellman C: congenital ureteropelvic junction obstruction with calcified renal pelvis and superimposed spindle cell urothelial carcinoma, Urol Radiol 1990; **12:** 15
Gold RE See **Gavant ML**
Gold RE See **Siegel EL**
Gold RE See **Winer-Muram HT**
Gold RH See **Bassett LW**
Gold RH See **Crim JR**
Gold RH See **Fox SA**
Gold RH See **Kimme-Smith C**
Gold RH See **Ostlere SJ**
Gold RH; Bassett LW; Widoff BE: radiologic history exhibit: highlights from the history of mammography, Radiographics 1990; **10:** 1111
Gold RH; Hawkins RA; Katz RD: bacterial osteomyelitis: findings on plain radiography, CT, MR, and scintigraphy, AJR 1991; **157:** 365
Gold RH; Mirra JM; Remotti F; et al: case report 527, Skeletal Radiol 1989; **18:** 129
Gold RH; Seeger LL; Bassett LW; et al: integrated approach to the evaluation of metastatic bone disease, Radiol Clin North Am 1990; **28:** 471
Gold RP: computed tomography, anatomy, and morphometry of the lower extremity, Radiology 1991; **179:** 442
Gold RP; McClennan BL: bacterial renal infection: role of CT, Radiology 1990; **174:** 283
Gold S See **Gold JE**
Goldberg A See **Frider B**
Goldberg AL See **Baron B**
Goldberg AL See **Daffner RH**
Goldberg AL See **Deeb ZL**
Goldberg AL See **Rothfus WE**
Goldberg AL; Baron B; Daffner RH: atlantooccipital dislocation: MR demonstration of cord damage, JCAT 1991; **15:** 174
Goldberg AL; Daffner RH; Schapiro RL: imaging of acute spinal trauma: an evolving multi-modality approach, Clin Imag 1990; **14:** 11
Goldberg AL; Rothfus WE; Deeb ZL; et al: hyperextension injuries of the cervical spine: magnetic resonance findings, Skeletal Radiol 1989; **18:** 283
Goldberg AL; Soo MSC; Deeb ZL; et al: degenerative disease of the lumbar spine: role of CT-myelography in the MR era, Clin Imag 1991; **15:** 47
Goldberg BB See **Hilpert PL**
Goldberg BB See **Igidbashian VN**
Goldberg BB See **Kurtz AB**
Goldberg BB See **Liu J-B**
Goldberg BB; Bagley D; Liu J-B; et al: endoluminal sonography of the urinary tract: preliminary observations, AJR 1991; **156:** 99
Goldberg BB; Hilpert PL; Burns PN; Liu J-B; Newman LM; Merton DA; Witlin LA: hepatic tumors: signal enhancement at Doppler US after intravenous injection of a contrast agent, Radiology 1990; **177:** 713
Goldberg BB; Liu J-B; Merton DA; Kurtz AB: endoluminal US: experiments with nonvascular uses in animals, Radiology 1990; **175:** 39
Goldberg E See **Rathaus V**
Goldberg HI See **Arrivé L**
Goldberg HI See **Barakos JA**
Goldberg HI See **Gibby WA**
Goldberg HI See **Iyer SB**
Goldberg HI See **Smith RR**
Goldberg HI See **Thoeni RF**
Goldberg HI See **Yousem DM**
Goldberg HI; Fell S; Myers HJ; et al: computer-assisted, interactive radiology learning program, Invest Radiol 1990; **25:** 947
Goldberg HI; Gould RG; Feuerstein IM; et al: evaluation of ultrafast CT scanning of the adult abdomen, Invest Radiol 1989; **24:** 537
Goldberg HI; Thoeni RF: MRI of the gastrointestinal tract, Radiol Clin North Am 1989; **27:** 805
Goldberg JA See **Zeman RK**
Goldberg JD See **Barth RA**
Goldberg MA; Mueller PR; Saini S; Lee MJ; Girard MJ; Dawson SL; Hallisey MJ; Cortell ED; Hahn PF; Brink JA: importance of daily rounds by the radiologist after interventional procedures of the abdomen and chest, Radiology 1991; **180:** 767
Goldberg N See **Pezzulli FA**
Goldberg NB See **Haffty BG**
Goldberg NH See **Resnik CS**
Goldberg REA See **Sniderman KW**
Goldberg REA; Cohen AM; Bryan PJ; et al: neonatal aortic thrombosis treated with intra-arterial urokinase therapy, J Canad Assoc Radiol 1989; **40:** 55
Goldberg REA; Rada C; Knelson M; et al: response of the portal vein to an oral glucose load, JCU 1990; **18:** 691
Goldberg RI See **Cohen ME**
Goldberg RN See **Bandstra ES**
Goldberg SD See **Mirich DR**
Goldblatt D See **Russell EJ**
Goldblatt J See **Cremin BJ**
Goldblum LE See **Berkowitz JE**
Golden JA See **Chaffey MH**
Goldenberg AS See **Lubat E**
Goldenberg DM See **Motta-Hennessy C**
Goldenberg DM: future role of radiolabeled monoclonal antibodies in oncological diagnosis and therapy, Semin Nucl Med 1989; **19:** 332
Goldenberg DM; Goldenberg H; Sharkey RM; et al: imaging of colorectal carcinoma with radiolabeled antibodies, Semin Nucl Med 1989; **19:** 262
Goldenberg H See **Goldenberg DM**
Goldenberg IF See **Mooney MR**
Goldenberg M See **Zagzag D**
Goldenberg SL See **Ajzen SA**
Goldenberg T See **Litvack F**
Goldfarb AF See **Karasick S**

Goldfarb AL See **Conrad MR**
Goldfarb CR See **Finestone H**
Goldfarb CR See **Rundback JH**
Goldfarb CR See **Schoeneman MJ**
Goldfarb CR; Schoeneman M; Ongseng F; Finestone H: scintigraphy of renal trauma, Radiology 1990; **174:** 896
Goldfarb DA; Novick AC; Bravo EL; et al: experience with extra-adrenal pheochromocytoma, (ab), Radiology 1990; **175:** 592
Goldfarb RA; Neerhut GJ; Lederer E: management of acute hydronephrosis of pregnancy by ureteral stenting: risk of stone formation, (ab), Radiology 1989; **173:** 588
Goldfinger M See **Buckspan MB**
Goldhaber SZ See **Meyerovitz MF**
Goldhaber SZ See **Parker JA**
Goldhagen PE See **Marchese MJ**
Golding RP See **Castelijns JA**
Golding RP See **Van Zanten TEG**
Golding RP: fundamentals of body CT, Radiology 1991; **181:** 224
Golding S See **Hughes D**
Golding SJ See **Charig MJ**
Goldkrand JW; Kuhlman T; Fox E; et al: coronal biparietal diameter: a reliable alternative to the traditional transverse biparietal diameter, J Ultrasound Med 1990; **9:** 555
Goldman AB: calcific tendinitis of the long head of the biceps brachii distal to the glenohumeral joint: plain film radiographic findings, AJR 1989; **153:** 1011
Goldman AB; Ghelman B; Doherty J: posterior limbus vertebrae: a cause of radiating back pain in adolescents and young adults, Skeletal Radiol 1990; **19:** 501
Goldman AM; Gossman WE; Friedlander PC: reduction of sound levels with antinoise in MR imaging, Radiology 1989; **173:** 549
Goldman ME See **Fisher EA**
Goldman ME See **Machac J**
Goldman ML See **Edwards JM**
Goldman ML; Bertino RE; Nelson JA; et al: nonoperative portacaval shunt in swine, Invest Radiol 1990; **25:** 574
Goldman S; Arvidsson H; Norming U; et al: transrectal ultrasound and computed tomography in preoperative staging of lower rectal adenocarcinoma, Gastrointest Radiol 1991; **16:** 259
Goldman SM See **Davidson AJ**
Goldman SM See **Eisner DJ**
Goldman SM See **Soulen MC**
Goldman SM See **Yousem DM**
Goldman SM: benign renal tumors: diagnosis and treatment, Urol Radiol 1989; **11:** 203
Goldman SM; Fishman EK: upper urinary tract infection: the current role of CT, ultrasound, and MRI, Semin US CT MR 1991; **12:** 335
Goldner B See **Penev B**
Goldsher D; Litt AW; Pinto RS; Bannon KR; Kricheff II: dural "tail" associated with meningiomas on Gd-DTPA–enhanced MR images: characteristics, differential diagnostic value, and possible implications for treatment, Radiology 1990; **176:** 447
Goldsmith DP; Vivino FB; Eichenfield AH; et al: nuclear imaging and clinical features of childhood reflex neurovascular dystrophy: comparison with adults, (ab), Radiology 1989; **173:** 589
Goldsmith GS See **Morrissy RT**
Goldsmith J See **Dietzek AM**
Goldsmith SJ See **Fineman DS**
Goldsmith SJ See **Holman BL**
Goldsmith SJ See **Kim CK**
Goldsmith SJ See **Lusins JO**
Goldsmith SJ See **Palestro CJ**
Goldsmith SJ See **Vallabhajosula S**
Goldstein A: effect of tank liquid acoustic velocity on Doppler string phantom measurements, J Ultrasound Med 1991; **10:** 141
Goldstein A: performance tests of Doppler ultrasound equipment with a string phantom, J Ultrasound Med 1991; **10:** 125
Goldstein A; Ranney D; McLeary RD: linear array test tool, J Ultrasound Med 1989; **8:** 385
Goldstein DS; Chang PC; Smith CB; et al: dosimetric estimates for clinical positron emission tomographic scanning after injection of [^{18}F]-6-fluorodopamine, J Nucl Med 1991; **32:** 102
Goldstein HA See **Kashanian FK**
Goldstein HA See **Sullivan ME**
Goldstein HA: appropriate use of names for MR contrast media, Radiology 1990; **174:** 897
Goldstein HA; Kashanian FK; Blumetti RF; Holyoak WL; Hugo FP; Blumenfield DM: safety assessment of gadopentetate dimeglumine in U.S. clinical trials, Radiology 1990; **174:** 17
Goldstein I See **Levine FJ**
Goldstein I See **Rosen MP**
Goldstein I See **Walker TG**
Goldstein I See **Witt MA**
Goldstein I; Reece EA; Pilu GL; et al: sonographic evaluation of the normal developmental anatomy of fetal cerebral ventricles. I. the frontal horn, (ab), Radiology 1989; **171:** 588
Goldstein J See **Alkrinawi S**
Goldstein JD See **Wismer GL**
Goldstein JD; Zeifer B; Chao C; et al: CT appearance of primary CNS lymphoma in patients with acquired immunodeficiency syndrome, JCAT 1991; **15:** 39
Goldstein L; Mirvis SE; Kostrubiak IS; et al: CT diagnosis of acute pericardial tamponade after blunt chest trauma, AJR 1989; **152:** 739
Goldstein M; Schlossberg S: men with congenital absence of the vas deferens often have seminal vesicles, (ab), Radiology 1989; **170:** 901
Goldstein R See **Hudgins RJ**
Goldstein RA See **Cassidy DB**
Goldstein RA See **Demer LL**
Goldstein RA See **Gould KL**
Goldstein RA; Haynie M: limited myocardial perfusion reserve in patients with left ventricular hypertrophy, J Nucl Med 1990; **31:** 255
Goldstein RB See **Filly RA**
Goldstein RB See **Heiserman J**
Goldstein RB See **Olcott EW**
Goldstein RB See **Townsend RR**
Goldstein RB: endovaginal sonography in very early pregnancy: new observations, Radiology 1990; **176:** 7
Goldstein RB; Filly RA; Callen PW: sonography of anencephaly: pitfalls in early diagnosis, JCU 1989; **17:** 397
Goldstein RB; Filly RA; Hecht S; et al: noncystic "increased" periventricular echogenicity and other mild cranial sonographic abnormalities: predictors of outcome in low birth weight infants, JCU 1989; **17:** 553
Goldstein RB; LaPidus AS; Filly RA: fetal cephaloceles: diagnosis with US, Radiology 1991; **180:** 803
Goldstein RB; La Pidus AS; Filly RA; Cardoza J: mild lateral cerebral ventricular dilatation in utero: clinical significance and prognosis, Radiology 1990; **176:** 237
Goldstein RB; Podrasky AE; Filly RA; Callen PW: effacement of the fetal cisterna magna in association with myelomeningocele, Radiology 1989; **172:** 409
Goldstein S See **Gzesh D**
Goldstein SA See **Layton MW**
Goldstein SR See **Rottem S**
Goldstein SR: early detection of pathologic pregnancy by transvaginal sonography, JCU 1990; **18:** 262
Goldstein SR; Snyder JR; Watson C; et al: very early pregnancy detection with endovaginal ultrasound, (ab), Radiology 1989; **170:** 290
Goldstein SR; Subramanyam B; Snyder JR; et al: postmenopausal cystic adnexal mass: the potential role of ultrasound in conservative management, (ab), Radiology 1989; **172:** 587
Goldstone J See **Sauer L**
Goldszmidt JB See **Khouri MR**
Goldwag S See **Abbitt PL**
Goldwein JW; Coia LR; Hanks GE: prognostic factors in patients with early stage non-Hodgkin's lymphomas of the head and neck treated with definitive irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 45
Goldwein JW; Leahy JM; Packer RJ; et al: intracranial ependymomas in children, Int J Radiat Oncol Biol Phys 1990; **19:** 1497
Gole D See **Kaveggia L**
Golfieri R See **Cherryman G**
Golfieri R; Baddeley H; Pringle JS; et al: MRI in primary bone tumors: therapeutic implications, Eur J Radiol 1991; **12:** 201
Golfieri R; Baddeley H; Pringle JS; et al: primary bone tumors: MR morphologic appearance correlated with pathologic examinations, Acta Radiol 1991; **32:** 290
Golfieri R; Baddeley H; Pringle JS; et al: role of the STIR sequence in magnetic resonance imaging examination of bone tumours, Br J Radiol 1990; **63:** 251
Golimbu C See **Bhalla M**
Golimbu C See **Rafii M**
Golimbu CN; Firooznia H; Melone CP Jr; Rafii M; Weinreb JC; Leber C: tears of the triangular fibrocartilage of the wrist: MR imaging, Radiology 1989; **173:** 731
Golin AL See **Baran GW**
Golinko RJ See **Hellenbrand WE**
Gollub MJ See **Hussman KL**
Gollub MJ; Friedwald JP; Hartigan M: iatrogenic dissection of the common carotid artery: diagnosis by dynamic image and color flow Doppler ultrasonography, JCU 1991; **19:** 250
Gollub MJ; Friedwald JP; Sceusa D: sonographic diagnosis of transposition of the inferior vena cava, JCU 1990; **18:** 502
Golman K See **Gjøen T**
Golman K See **Leander P**
Golman K See **Thomsen HS**
Golman K See **Tidgren B**
Golman K; Cederholm C: contrast medium-induced acute renal failure: can it be prevented?, Invest Radiol 1990; **25:** S127
Golomb HM See **Farah R**
Golterman KL See **Puylaert JBCM**
Golz SJ See **Tuzcu EM**
Gomberg J; Klein LW; Seelaus P; et al: surgical revascularization of left main coronary artery stenosis: determinants of perioperative and long-term outcome in the 1980s, (ab), Radiology 1989; **171:** 589
Gomersall LN; Needham G: case report: mesenchymal chondrosarcoma occurring in the parapharyngeal space, Clin Radiol 1990; **42:** 359
Gomes AS See **Grant EG**
Gomes AS See **Hiatt JR**
Gomes AS See **Lois JF**
Gomes AS See **Soulen RL**
Gomes AS See **Tessler FN**
Gomes AS See **Watanabe AT**
Gomes AS See **Webber MM**
Gomes AS See **Youker JE**
Gomes AS: MR imaging of congenital anomalies of the thoracic aorta and pulmonary arteries, Radiol Clin North Am 1989; **27:** 1171
Gomes AS; Lois JF; Baker JD; McGlade CT; Bunnell DH; Hartzman S: acute renal dysfunction in high-risk patients after angiography: comparison of ionic and nonionic contrast media, Radiology 1989; **170:** 65
Gomes AS; Lois JF; Williams RG: pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Radiology 1990; **174:** 51
Gomes H; Menanteau B: gastro-esophageal reflux: comparative study between sonography and pH monitoring, Pediatr Radiol 1991; **21:** 168
Gomez M See **Abad J**
Gómez M See **Fernandez PL**
Gomez MR See **Nixon JR**
Gomez MT See **Doppman JL**
Gomez-Bueno J See **Larrañaga J**
Gomi N See **Shibuya H**
Gomori JM See **Bloom RA**
Gomori JM See **Switzer P**
Gomori JM; Horev G; Tamary H; Zandback J; Kornreich L; Zaizov R; Freud E; Krief O; Ben-Meir J; Rotem H; Kuspet M; Rosen P; Rachmilewitz EA; Loewenthal E; Gorodetsky R: hepatic iron overload: quantitative MR imaging, Radiology 1991; **179:** 367
Gon MK See **Rothschild PA**
Gona J See **Abdel-Nabi HH**
Gonda RL Jr See **Azodo MVU**
Gonda RL Jr See **Ottmar MD**
Gonda RL Jr; Osher DL; Poretta C; et al: case report 589, Skeletal Radiol 1990; **19:** 62
Gonen Y; Blanker J; Casper RF: transvaginal ultrasonically guided follicular aspiration: a comparative study with laparoscopically guided follicular aspiration, JCU 1990; **18:** 257
Gonet YM See **Stevens MJ**
Gong AK See **Clarke EA**
Gonnella NC See **Sandhu GS**
Gonnering RS See **Wells RG**
Gonzalez CF See **Flanders AE**
Gonzalez CF; Moret J: balloon occlusion of the carotid artery prior to surgery for neck tumors, AJNR 1990; **11:** 649
González D See **De Aluja AS**
González DG; Ketting BW; van Bunningen B; et al: carcinoma of the uterine cervix stage IB and IIA: results of postoperative irradiation in patients with microscopic infiltration in the parametrium and/or lymph node metastasis, Int J Radiat Oncol Biol Phys 1989; **16:** 389
Gonzalez E See **Owens MW**
Gonzalez EM; Selas PR; Molina DM; et al: results of surgery for cancer of the rectum with sphincter conservation: a randomized study on instrumental versus manual anastomosis, Acta Oncol 1989; **28:** 241
Gonzalez G See **Miralles M**
Gonzalez JEG; Caldwell RG; Valaitis J: calcium oxalate crystals in the breast: pathology and significance, (ab), Radiology 1991; **181:** 910
González L See **Vañó E**
Gonzalez R See **Lear JL**
González RG See **Moore GJ**
Gonzalez-Avilez A See **Notardonato H**
González del Pino J; Knapp K; Castresana FG; et al: revascularization of femoral head ischemic necrosis with vascularized bone graft: a CT scan experimental study, Skeletal Radiol 1990; **19:** 197
González de Orbe G See **Orduña M**
Gonzalez-Gomez I See **Nelson MD Jr**
González-Méndez R See **Schutz T**
Gonzalez-Molina M See **Alvarez G**
González-Ruiz CA; Isla A; Pérez-Higueras A; et al: unusual CT image of a cerebral hydatid cyst, Pediatr Radiol 1990; **20:** 283

Gonzalvo AA See **Linden CN**
Gooch D See **Kistler AM**
Good BC See **Cooperstein LA**
Good BC See **Straub WH**
Good BC; Cooperstein LA; DeMarino GB; et al: does knowledge of the clinical history affect the accuracy of chest radiograph interpretation?, AJR 1990; **154:** 709
Good RR See **Kumar PP**
Good WF See **Gur D**
Good WF See **Rosenthal MS**
Good WF See **Slasky BS**
Good WF See **Straub WH**
Good WF; Gur D: xenon-enhanced CT of the brain: effect of flow activation on derived cerebral blood flow measurements, AJNR 1991; **12:** 83
Good WF; Gur D; Straub WH; et al: comparing imaging systems by ROC studies: detection versus interpretation, Invest Radiol 1989; **24:** 932
Goodacre BW See **D'Agostino HB**
Goodacre BW See **Lee SH**
Goodacre BW See **vanSonnenberg E**
Goodacre BW; Chipperfield P; Harrison PB: embolization of a catheter-related hepatic artery pseudoaneurysm after long-term biliary drainage, J Canad Assoc Radiol 1990; **41:** 308
Goodacre BW; Malone DE; Fache JS; et al: routine liver function tests and serum amylase determinations after biliary lithotripsy: are they necessary?, AJR 1990; **155:** 771
Gooden DS: ionizing radiation effects in MOS devices and circuits, Radiology 1990; **174:** 886
Goodgame DML See **Joy AM**
Goodgold HM; Duffrin HJ: ventilation/perfusion mismatch caused by emphysematous bullae, Clin Nucl Med 1989; **14:** 475
Gooding CA See **Ringertz HG**
Gooding CA: Radiology Outreach Foundation (ROF), Radiology 1990; **174:** 261
Gooding GAW: sonography of *Candida albicans* cystitis, J Ultrasound Med 1989; **8:** 121
Gooding GAW; Langman AW; Dillon WP; Kaplan MJ: malignant carotid artery invasion: sonographic detection, Radiology 1989; **171:** 435
Gooding GAW; Perez S; Rapp JH; Krupski WC: lower-extremity vascular grafts placed for peripheral vascular disease: prospective evaluation with duplex Doppler sonography, Radiology 1991; **180:** 379
Goodman A See **Carvalho P**
Goodman GB See **Ogawa Y**
Goodman GB See **Shirato H**
Goodman LR See **Bates FT**
Goodman LR See **Foley WD**
Goodman LR See **Gurney JW**
Goodman LR See **Hinke DH**
Goodman LR See **Morgan PW**
Goodman LR; Almassi GH; Troup PJ; Gurney JW; Veseth-Rogers J; Chapman PD; Wetherbee JN: complications of automatic implantable cardioverter defibrillators: radiographic, CT, and echocardiographic evaluation, Radiology 1989; **170:** 447
Goodman LR; Aprahamian C: changes in splenic size after abdominal trauma, Radiology 1990; **176:** 629
Goodman M See **Wang CC**
Goodman MD See **Truong LD**
Goodman P: imaging of the pelvis: MRI with correlations to CT and ultrasound, Radiology 1991; **180:** 72
Goodman P; Halpert RD: invasive squamous cell carcinoma of the anus arising in condyloma acuminatum: CT demonstration, Gastrointest Radiol 1991; **16:** 267
Goodman P; Kumar R; Alperin JB: diffuse intraabdominal lymphoma complicating idiopathic myelofibrosis: CT demonstration, AJR 1991; **156:** 1189
Goodman P; Levine MS; Parkman HP: extrusion of PEG tube from the stomach with fistula formation: an unusual complication of percutaneous endoscopic gastrostomy, Gastrointest Radiol 1991; **16:** 286
Goodman P; Maklad NF; Verani RR; et al: tuberculous abscess of the testicle in AIDS: sonographic demonstration, Urol Radiol 1990; **12:** 53
Goodman P; Pinero SS; Rance RM; et al: mycobacterial esophagitis in AIDS, Gastrointest Radiol 1989; **14:** 103
Goodman P; Raval B: CT of the abdominal wall, AJR 1990; **154:** 1207
Goodman P; Raval B: omental cakes in American Burkitt lymphoma: computed tomography demonstration, Clin Imag 1989; **13:** 117
Goodman P; Raval B; Bonmati C; et al: leiomyoma involving the gastrocolic ligament: CT demonstration, Comput Med Imag Graph 1990; **14:** 431
Goodman P; Raval B; King FA: spontaneous necrosis and hemorrhage in an enlarged accessory spleen: CT demonstration, Comput Med Imag Graph 1990; **14:** 201
Goodman P; Raval B; Potter GD: spontaneous free perforation of the ileum in Crohn disease: CT demonstration, Comput Med Imag Graph 1989; **13:** 473
Goodman P; Raval B; Zimmerman G: CT diagnosis of perforated duodenal diverticulum, Clin Imag 1989; **13:** 321
Goodman P; Raval B; Zimmerman G: perforation of the colon due to endometriosis, Gastrointest Radiol 1990; **15:** 346
Goodman PC See **Eisenberg RL**
Goodman PC See **Haskal ZJ**
Goodman PC See **Hoffman CK**
Goodman PC See **Sandhu JS**
Goodman PC: pulmonary tuberculosis in patients with acquired immunodeficiency syndrome, J Thorac Imag 1990; **5-2:** 38
Goodman PC; Eisenberg RL: Zum Grünen Glas, AJR 1991; **157:** 274
Goodman SB See **Baker LL**
Goodman SM See **Sullivan DC**
Goodsitt MM See **Mayo-Smith W**
Goodsitt MM See **Rosenthal DI**
Goodsitt MM; Baron RL: phantom for facilitating in vitro computed tomographic studies of gallstones, Invest Radiol 1991; **26:** 162
Goodsitt MM; Murano R; Richardson ML: DPA technique for simultaneously measuring bone, soft tissue, and fat content, Invest Radiol 1989; **24:** 762
Goon HK See **Samad SA**
Goovaerts GC See **Bracke PG**
Gooya JM See **Evans MJ**
Gooya JM See **Kovacs CJ**
Gopinath N See **Spouge AR**
Gopinath PG See **Padhy AK**
Gorączko A See **Szymczyk W**
Goraj B; Kopytek M: ultrasound: a method of brain abscess drainage monitoring, Eur J Radiol 1991; **12:** 120
Gorbacz S See **Caspi B**
Gorczyca DP; Lindfors KK; Giles KA; et al: prenatally diagnosed gastroschisis in monozygotic twins, JCU 1989; **17:** 216
Gorczyca DP; Lindfors KK; McGahan JP; et al: limb–body–wall complex: another cause for elevated maternal serum alpha fetoprotein, JCU 1990; **18:** 198
Gorczyca DP; McGahan JP; Lindfors KK; et al: arthrogryposis multiplex congenita: prenatal ultrasonographic diagnosis, JCU 1989; **17:** 40
Gorden P See **Doppman JL**
Gordillo MI See **Orduña M**
Gordon A See **Whittle IR**
Gordon AN See **Fleischer AC**
Gordon B See **Jeffery PJ**
Gordon CJ See **Barber BJ**
Gordon DH See **Shatzkes DR**
Gordon DJ; Milner AE; Beaney RP; et al: cellular radiosensitivity in V79 cells is linked to alterations in chromatin structure, Int J Radiat Oncol Biol Phys 1990; **19:** 1199
Gordon DL See **Fine M**
Gordon DM See **Rose BS**
Gordon I See **Kennedy CD**
Gordon I See **Peters AM**
Gordon I See **Whitear P**
Gordon I: urinary tract infection in paediatrics: the role of diagnostic imaging, Br J Radiol 1990; **63:** 507
Gordon I; Anderson PJ; Orton M; et al: estimation of technetium-99m-MAG_3 renal clearance in children: two gamma camera techniques compared with multiple plasma samples, J Nucl Med 1991; **32:** 1704
Gordon I; Dempsey JE: infantile lobar emphysema in association with congenital heart disease, Clin Radiol 1990; **41:** 48
Gordon I; Dhillon HK; Gatanash H; et al: antenatal diagnosis of pelvic hydronephrosis: assessment of renal function and drainage as a guide to management, J Nucl Med 1991; **32:** 1649
Gordon I; Dhillon HK; Peters AM: antenatal diagnosis of renal pelvic dilatation—the natural history of conservative management, Pediatr Radiol 1991; **21:** 272
Gordon I; Peters AM; Gutman A; et al: skeletal assessment in neuroblastoma—the pitfalls of iodine-123-MIBG scans, J Nucl Med 1990; **31:** 129
Gordon JL See **Fleetwood G**
Gordon L See **Galbraith P**
Gordon L See **Melton JW**
Gordon L See **Selby JB Sr**
Gordon LP See **Randall PA**
Gordon LP See **Spirt BA**
Gordon NH See **Crowe JP Jr**
Gordon RB See **Balthazar EJ**
Gordon RB See **Birnbaum BA**
Gordon RB See **Lubat E**
Gordon RL See **Chespak LW**
Gordon RL See **Dick BW**
Gordon RL See **Fine H**
Gordon RL See **LaBerge JM**
Gordon RL See **Maroney TP**
Gordon RL See **Olcott EW**
Gordon RL See **Ring EJ**
Gordon RL; Ring EJ: combined radiologic and retrograde endoscopic and biliary interventions, Radiol Clin North Am 1990; **28:** 1289
Gordon S; Butler M: echocardiography in cardiac tamponade, JCU 1989; **17:** 428
Gordon SJ See **Sullivan KL**
Gore J See **Chiles C**
Gore J See **McCarthy S**
Gore JC See **Majumdar S**
Gore JC See **Zhong J**
Gore JC; Brown MS; Armitage IM: analysis of magnetic cross-relaxation between water and methylene protons in a model system, Magn Res Med 1989; **9:** 333
Gore JC; Brown MS; Zhong J; et al: NMR relaxation of water in hydrogel polymers: a model for tissue, Magn Res Med 1989; **9:** 325
Gore JC; Majumdar S: measurement of tissue blood flow using intravascular relaxation agents and magnetic resonance imaging, Magn Res Med 1990; **14:** 242
Gore MD See **Fernbach SK**
Gore MD; Fernbach SK; Donaldson JS; et al: radiographic evaluation of subureteric injection of Teflon to correct vesicoureteral reflux, AJR 1989; **152:** 115
Gore RL; Delaplain CB; Stotler RE: incidental bone metastasis seen on gastrointestinal bleeding scan with technetium-99m albumin colloid, Clin Nucl Med 1990; **15:** 348
Gore RM See **Ghahremani GG**
Gore RM: CT of inflammatory bowel disease, Radiol Clin North Am 1989; **27:** 717
Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL: acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Radiology 1989; **171:** 739
Gore S; Morris AI; Gilmore IT; et al: differences in the intracellular processing of the radiolabel following the uptake of iodine-125- and technetium-99m-neogalactosyl albumin by the isolated perfused rat liver, J Nucl Med 1991; **32:** 506
Gorek JE See **Kilgus DJ**
Gorell HA See **Schulte SJ**
Gorell HW; Cyr DR; Wang KY; et al: rectosigmoid endometriosis: diagnosis using endovaginal sonography, J Ultrasound Med 1989; **8:** 459
Gorey MT See **Black KS**
Gorgojo L See **Little JB**
Görich J; Beyer-Enke SA; Flentje M; et al: evaluattion of recurrent bronchogenic carcinoma by computed tomgraphy, Clin Imag 1990; **14:** 131
Görich J; Beyer-Enke SA; Schmitteckert H; et al: pleural metastasis of malignant thymoma. a pitfall in the CT-diagnosis of pleural mesothelioma, Comput Med Imag Graph 1989; **13:** 169
Gorin MB See **Choyke PL**
Goris ML; Basso LV; Keeling C: parathyroid imaging, J Nucl Med 1991; **32:** 887
Gorman CA See **Hayes AA**
Gorman JD; Burks DD: inexpensive technique for hard copy demonstration of color flow data using gray-scale format, J Ultrasound Med 1990; **9:** 611
Gorman W See **Fitzgerald P**
Gorodetsky R See **Gomori JM**
Gorodetsky R; Mou X; Fisher DR; et al: radiation effect in mouse skin: dose fractionation and wound healing, Int J Radiat Oncol Biol Phys 1990; **18:** 1077
Gosden CM See **Thorpe-Beeston JG**
Gosink BB See **Kallman CE**
Gosink BB See **Lin MC**
Gosink BB See **Withers CE**
Gosink BB See **Wolf SI**
Gospodarowicz MK; Sutcliffe SB; Clark RM; et al: outcome analysis of localized gastrointestinal lymphoma treated with surgery and postoperative irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 1351
Gössinger HD See **Mostbeck GH**
Gossios KJ; Tsianos EV; Demou LL; et al: use of water or air as oral contrast media for computed tomographic study of the gastric wall: comparison of the two techniques, Gastrointest Radiol 1991; **16:** 293
Gossman WE See **Goldman AM**
Gothi R See **Taneja K**
Göthlin JH See **Asp T**
Göthlin JH See **Gadeholt G**
Goto M; Kindynis P; Resnick D; Sartoris DJ: osteosclerosis of the phalanges in Werner syndrome, Radiology 1989; **172:** 841
Goto N See **Chida K**
Gotoh M See **Asari S**
Gotsis ED See **Mafee MF**
Gotta C; Palau GA; Demos TC; Villaveiran RG: colonic stenoses: use of oral barium when retrograde flow is completely obstructed in barium enema studies, Radiology 1990; **177:** 703

Gottesdiener KM: transplanted infections: donor-to-host transmission with the allograft, (ab), Radiology 1990; **176:** 888
Gottesman RI See **Sacher M**
Gottlieb CA See **Alpern MB**
Gottlieb RH See **Spirt BA**
Gottlieb RH; Luhmann K IV; Oates RP: duplex ultrasound evaluation of normal native kidneys and native kidneys with urinary tract obstruction, J Ultrasound Med 1989; **8:** 609
Gottlieb RH; Poster R; Subudhi MK: computed tomographic, ultrasound, and plain film appearance of phleboliths in varicoceles, J Ultrasound Med 1989; **8:** 329
Gottschalk A See **Chen CC**
Götz M See **Vergesslich KA**
Götz V See **Krönert K**
Goudot P See **Chiras J**
Goulao A See **Monaco RG**
Goulao A; Alvarez H; Monaco RG; et al: venous anomalies and abnormalities of the posterior fossa, Neuroradiol 1990; **31:** 476
Goulatia RK See **Aggarwal S**
Goulatia RK See **Raghav B**
Gould ES See **Javors BR**
Gould ES; Javors BR; Morrison J; et al: MR appearance of bilateral periscapular elastofibromas, JCAT 1989; **13:** 701
Gould ES; Potter HG; Bober SE: role of routine percutaneous hip aspirations prior to prosthesis revision, Skeletal Radiol 1990; **19:** 427
Gould ES; Potter HG; Huvos A; et al: case report 671, Skeletal Radiol 1991; **20:** 303
Gould HR See **Niethammer JG**
Gould J See **Link DP**
Gould JS See **Erickson SJ**
Gould KL See **Demer LL**
Gould KL See **Mullani NA**
Gould KL See **Xu EZ**
Gould KL: clinical cardiac PET using generator-produced Rb-82: a review, Cardiovasc Intervent Radiol 1989; **12:** 245
Gould KL: detecting and assessing severity of coronary artery disease in humans, Cardiovasc Intervent Radiol 1990; **13:** 5
Gould KL: PET perfusion imaging and nuclear cardiology, J Nucl Med 1991; **32:** 579
Gould KL; Goldstein RA; Mullani NA: economic analysis of clinical positron emission tomography of the heart with rubidium-82, J Nucl Med 1989; **30:** 707
Gould KL; Yoshida K; Hess MJ; et al: myocardial metabolism of fluorodeoxyglucose compared to cell membrane integrity for the potassium analogue rubidium-82 for assessing infarct size in man by PET, J Nucl Med 1991; **32:** 1
Gould LK See **Volkow ND**
Gould MN See **Kinsella TJ**
Gould R See **Grant T**
Gould RG See **Diethelm L**
Gould RG See **Goldberg HI**
Gould RG See **Thoeni RF**
Gould RJ; Fioravanti C; Cook PG; et al: model of gastric emptying in cats shows solid emptying is promoted by MK-329: a CCK antagonist, J Nucl Med 1990; **31:** 1494
Goulet RW See **Layton MW**
Gouliamos A See **Papavasiliou C**
Gouliamos A See **Vlachos L**
Gouliamos A; Dardoufas C; Papailiou I; et al: low back pain due to extramedullary hemopoiesis, Neuroradiol 1991; **33:** 284
Goupille P; Giraudet-Le Quintrec J-S; Job-Deslandre C; Menkes C-J: longitudinal stress fractures of the tibia: diagnosis with CT, Radiology 1989; **171:** 583
Gourley GR See **Tu RK**
Gourtsoyiannis N; Prassopoulos P; Cavouras D; et al: thickness of the renal parenchyma decreases with age: a CT study of 360 patients, AJR 1990; **155:** 541
Govaert P; Van De Velde E; Vanhaesebrouck P; et al: CT diagnosis of neonatal subarachnoid hemorrhage, Pediatr Radiol 1990; **20:** 139
Govoni AF See **Cajade AG**
Govoni AF See **Calamari GA**
Govoni AF See **Conners CJ**
Govoni AF See **Davis SD**
Govoni AF See **Manfredi RA**
Govoni AF See **Moran RE**
Govoni AF See **Morrison K**
Govoni AF See **Nazarian LN**
Govoni AF See **Olson SR**
Govoni AF See **Tanabe J**
Govoni AF See **Wojtasek DA**
Gowland P See **Bullock PR**
Gowland PA; Leach MO: simple method for the restoration of signal polarity in multiimage inversion recovery sequences for measuring T1, Magn Res Med 1991; **18:** 224
Gowland PA; Leach MO; Sharp JC: use of an improved inversion pulse with the spin-echo/inversion-recovery sequence to give increased accuracy and reduced imaging time for T1 measurements, Magn Res Med 1989; **12:** 261
Gowland S See **Bydder PV**
Goya T See **Naruke T**
Goya T See **Tomooka Y**
Goya T; Miyazawa N; Kondo H; et al: surgical resection of pulmonary metastases from colorectal cancer: 10-year follow-up, (ab), Radiology 1990; **175:** 289
Goyal AK; Pokharna DS; Sharma SK: effects of a meal on normal and hypertensive portal venous system: a quantitative ultrasonographic assessment, Gastrointest Radiol 1989; **14:** 164
Goyal AK; Pokharna DS; Sharma SK: ultrasonic diagnosis of cirrhosis: reference to quantitative measurements of hepatic dimensions, Gastrointest Radiol 1990; **15:** 32
Goyal AK; Pokharna DS; Sharma SK: ultrasonic measurements of portal vasculature in diagnosis of portal hypertension: a controversial subject reviewed, J Ultrasound Med 1990; **9:** 45
Goyer P; Silverman E; Karvelis K: live: spleen visualization following aerosol lung ventilation with technetium-99m DTPA, Clin Nucl Med 1989; **14:** 141
Goyer PF See **Camponovo EJ**
Grabelsky S See **Glover D**
Grabenwöger F See **Dock W**
Grabowski EF: hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography, (ab), Radiology 1991; **180:** 887
Grabowski EF: platelet adhesion/aggregation to injured vascular endothelium in flowing blood: effects of contrast media, Invest Radiol 1990; **25:** S123
Grabowski EF; Kaplan KL; Halpern EF: anticoagulant effects of nonionic versus ionic contrast media in angiography syringes, Invest Radiol 1991; **26:** 417
Grad J; Mendelson D; Hyder F; et al: applications of nuclear magnetic cross-relaxation spectroscopy to tissues, Magn Res Med 1991; **17:** 452
Gradus DB-E See **Alkrinawi S**
Grady CL; Berg G; Carson RE; et al: quantitative comparison of cerebral glucose metabolic rates from two positron emission tomographs, J Nucl Med 1989; **30:** 1386
Graeb DA See **Nugent RA**
Graeb DA See **O'Sullivan RM**
Graeb DA; Rootman J; Robertson WD; Lapointe JS; Nugent RA; Hay EJ: orbital lymphangiomas: clinical, radiologic, and pathologic characteristics, Radiology 1990; **175:** 417
Graebe AC See **Lamont AC**
Graeber GM See **Seyfer AE**
Graf BK See **De Smet AA**
Graf G; Mester J; Clausen M; et al: reconstruction of Fourier coefficients: a fast method to get polar amplitude and phase images of gated SPECT, J Nucl Med 1990; **31:** 1856
Grafe MR See **Budorick NE**
Grafe MR See **Chrysikopoulos HS**
Grafe MR; Press GA; Berthoty DP; et al: abnormalities of the brain in AIDS patients: correlation of postmortem MR findings with neuropathology, AJNR 1990; **11:** 905
Graffis R See **Maglinte DDT**
Graffner H See **Milsom JW**
Gragoudas ES See **Munzenrider JE**
Graham BL; Balducci L; Khansur T; et al: surgery in small cell lung cancer, (ab), Radiology 1989; **170:** 582
Graham D See **Reynolds JH**
Graham H See **Ebbs SR**
Graham LS See **Cohen MB**
Graham LS; Kereiakes JG; Harris C; Cohen MB: nuclear medicine from Becquerel to the present, Radiographics 1989; **9:** 1189
Graham M See **Koutcher JA**
Graham MC See **Myers WG**
Graham ML; Cheng AY; Geer LY; et al: method to analyze 2-dimensional daily radiotherapy portal images from an on-line fiber-optic imaging system, Int J Radiat Oncol Biol Phys 1991; **20:** 613
Graham MM See **Schwartz AN**
Graham MM See **Staker BL**
Graham MM; Evans ML; Dahlen DD; et al: pharmacological alteration of the lung vascular response to radiation, Int J Radiat Oncol Biol Phys 1990; **19:** 329
Graham MV; Perez CA; Kuske RR; et al: locally advanced (noninflammatory) carcinoma of the breast: results and comparison of various treatment modalities, Int J Radiat Oncol Biol Phys 1991; **21:** 311
Graham N See **Guest PJ**
Graham NJ; Müller NL; Miller RR; Shepherd JD: intrathoracic complications following allogeneic bone marrow transplantation: CT findings, Radiology 1991; **181:** 153
Graham SD Jr See **Stephens R**
Graif M See **Starinsky R**
Graif M; Pennock JM; Pringle J; et al: magnetic resonance imaging: comparison of four pulse sequences in assessing primary bone tumours, Skeletal Radiol 1989; **18:** 439
Graif M; Seton A; Nerubai J; Horoszowski H; Itzchak Y: sciatic nerve: sonographic evaluation and anatomic-pathologic considerations, Radiology 1991; **181:** 405
Gralla RJ See **Martini N**
Grama D See **Ahlström H**
Grama D See **Åkerström G**
Gramiak R: atlas of duplex scanning: carotid arteries, Radiology 1990; **174:** 986
Gramith F; Smith L: ultrasound demonstration of a superficial femoral artery leiomyosarcoma, J Ultrasound Med 1989; **8:** 269
Grammatopoulos A See **Saveymuttu SH**
Granato DB; Archer CR; Awwad EE: magnetic resonance imaging of cerebral venous thrombosis secondary to "low-dose" birth control pills, Clin Imag 1989; **13:** 220
Granberg S; Crona N; Enk L; et al: ultrasound-guided puncture of cystic tumors in the lower pelvis of young women, JCU 1989; **17:** 107
Granberg S; Norström A; Wikland M: comparison of endovaginal ultrasound and cytological evaluation of cystic ovarian tumors, J Ultrasound Med 1991; **10:** 9
Grande D; Ruiz JC; Elizagaray E; et al: hepatic echinococcosis complicated with transphrenic migration and bronchial fistula: CT demonstration, Gastrointest Radiol 1990; **15:** 115
Grandfils C See **Flandroy P**
Graninger W See **Schurawitzki H**
Granjon D See **Herrmann T**
Grankvist K See **Henriksson R**
Grannick MS See **Brooks ML**
Grannum PA See **Copel JA**
Grannum PA; Copel JA: invasive fetal procedures, Radiol Clin North Am 1990; **28:** 217
Granowetter LF See **Norton KI**
Grant BM See **Ginsberg JS**
Grant CS See **Thompson GB**
Grant CS; van Heerden J; Charboneau W; et al: insulinoma: the value of intraoperative ultrasonography, (ab), Radiology 1989; **170:** 287
Grant CWM See **Karlik S**
Grant CWM; Karlik S; Florio E: liposomal MRI contrast agent: phosphatidylethanolamine—DTPA, Magn Res Med 1989; **11:** 236
Grant DJ See **Brada M**
Grant DR See **AbouJaoude MA**
Grant DR See **Bach DB**
Grant E See **Kimme-Smith C**
Grant EA See **Wippold FJ II**
Grant EC See **Lois JF**
Grant EG See **Cochran ST**
Grant EG See **Duerinckx AJ**
Grant EG See **Hall TR**
Grant EG See **Kaveggia LP**
Grant EG See **Ragavendra N**
Grant EG See **Robinson JD**
Grant EG See **Tessler FN**
Grant EG: maternal-fetal Doppler sonography: potential or reality, Semin Roentgenol 1991; **26:** 75
Grant EG; Perrella RR: wishing won't make it so: duplex Doppler sonography in the evaluation of renal transplant dysfunction, AJR 1990; **155:** 538
Grant EG; Perrella RR; Tessler FN; et al: Budd-Chiari syndrome: the results of duplex and color Doppler imaging, AJR 1989; **152:** 377
Grant EG; Tessler FN; Gomes AS; et al: color Doppler imaging of portosystemic shunts, AJR 1990; **154:** 393
Grant EG; Tessler FN; Perrella RR: clinical Doppler imaging, AJR 1989; **152:** 707
Grant ME; Herron KG; MacDougall ML; et al: single-dose subcutaneous iodine-131-iodohippurate for determination of renal plasma flow, J Nucl Med 1991; **32:** 1452
Grant P See **Rosen MP**
Grant PW See **Walker TG**
Grant T; Newman M; Gould R; et al: intraluminal colonic calcifications associated with anorectal atresia: prenatal sonographic detection, J Ultrasound Med 1990; **9:** 411
Grant TH See **Brandt TD**
Grant TH; Eisenstein MM; Brandt T; et al: supralevator abscess: evaluation with transrectal sonography, Gastrointest Radiol 1989; **14:** 354
Grantham JJ See **Levine E**
Grantmyre EB See **Macken MB**
Graor RA See **Gray BH**
Graor RA See **Olin JW**
Graor RA See **van Breda A**
Grashuis JL See **Van Kuijk C**
Grasl MC See **Gritzmann N**
Grass HG See **Arlart IP**
Grassi CJ See **Janicek M**
Grassi CJ See **Meyerovitz MF**
Grassi CJ: inferior vena caval filters: analysis of five currently available devices, AJR 1991; **156:** 813
Grassi CJ: modified gastrojejunostomy tube: percutaneous placement for gastric decompression and jejunal feeding, Radiology 1989; **173:** 875

Grassi CJ; Bettmann MA: effort thrombosis: role of interventional therapy, Cardiovasc Intervent Radiol 1990; **13:** 317
Grassi CJ; Bettmann MA; Finkelstein J; et al: ioversol: double-blind study of a new low osmolar contrast agent for peripheral and visceral arteriography, Invest Radiol 1989; **24:** 133
Grassi CJ; Polak JF: axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Radiology 1990; **175:** 651
Grasso M See **Sullivan KL**
Gratacós J See **Muñoz-Gomez J**
Grateau G See **Soffer M**
Grattan-Smith JD; Wagner ML; Barnes DA: osteomyelitis of the talus: an unusual cause of limping in childhood, AJR 1991; **156:** 785
Grattan-Smith T See **Anderson IF**
Grau C; Møller K; Overgaard M; et al: sensorineural hearing loss in patients treated with irradiation for nasopharyngeal carcinoma, Int J Radiat Oncol Biol Phys 1991; **21:** 723
Grau C; Overgaard J: radiosensitizing and cytotoxic properties of mitomycin C in a C3H mouse mammary carcinoma *in vivo*, Int J Radiat Oncol Biol Phys 1991; **20:** 265
Grau C; Zachariae C; Mao H-S; et al: in vivo response of a C3H mammary carcinoma to treatment with misonidazole, cyclophosphamide and radiation, Acta Oncol 1990; **29:** 769
Grau JM See **Kulisevsky J**
Gravallese EM See **Schmerling RH**
Gravallese EM; Corson JM; Coblyn JS; et al: rheumatoid aortitis: a rarely recognized but clinically significant entity, (ab), Radiology 1989; **173:** 587
Gravelle DR See **Webster DW**
Graver M See **Khan A**
Graves C See **Campeau RJ**
Graves MJ See **Padayachee TS**
Graves MJ See **Tarnawski M**
Graves VB See **Brown WD**
Graves VB See **Digman KE**
Graves VB See **Kikuchi Y**
Graves VB See **Partington CR**
Graves VB; Duff TA: intracranial arteriovenous malformations: current imaging and treatment, Invest Radiol 1990; **25:** 952
Graves VB; Partington CR; Rüfenacht DA; et al: treatment of carotid artery aneurysms with platinum coils: an experimental study in dogs, AJNR 1990; **11:** 249
Gray BH; Olin JW; Graor RA; et al: safety and efficacy of thrombolytic therapy for superior vena cava syndrome, (ab), JVIR 1991; **2:** 293
Gray BN See **Burton MA**
Gray BN See **Mameghan H**
Gray BN; Burton MA; Kelleher D; et al: tolerance of the liver to the effects of Yttrium-90 radiation, Int J Radiat Oncol Biol Phys 1990; **18:** 619
Gray C; Sivaloganathan S; Simpkins KC: aspiration of high-density barium contrast medium causing acute pulmonary inflammation—report of two fatal cases in elderly women with disordered swallowing, Clin Radiol 1989; **40:** 397
Gray CE See **Yeh H-C**
Gray DL; Martin CM; Crane JP: differential diagnosis of first trimester ventral wall defect, J Ultrasound Med 1989; **8:** 255
Gray HH; Morgan JM; Kerr IH; et al: clinical correlates of angiographically diagnosed idiopathic pulmonary hypertension, (ab), Radiology 1991; **178:** 590
Gray JE See **Felmlee JP**
Gray JE See **Kofler JM Jr**
Gray JE See **Mount CJ**
Gray JE: abusing cancer science: the truth about NMR and cancer, Radiology 1989; **170:** 652
Gray JE: diagnostic radiology in Kuwait after the Iraqi occupation, Radiology 1991; **180:** 277
Gray JE: RSNA '88: focus on technical exhibits, (ab), Radiology 1989; **172:** 592
Gray JE; Barnes GT; Morin RL: technical exhibits: RSNA '88 meeting notes, Radiology 1989; **170:** 919
Gray JE; Barnes GT; Morin RL: technical exhibits: RSNA '89 meeting notes, Radiology 1990; **174:** 916
Gray JE; Morin RL: purchasing medical imaging equipment, Radiology 1989; **171:** 9
Gray JE; Morin RL; Barnes GT: technical exhibits: RSNA '90 meeting notes, Radiology 1991; **178:** 910
Gray JR See **Werner RS**
Gray JR; Khalil A; Prior JC: acute arsenic toxicity—an opaque poison, J Canad Assoc Radiol 1989; **40:** 226
Gray JR; McCormick B; Cox L; et al: primary breast irradiation in large-breasted or heavy women: analysis of cosmetic outcome, Int J Radiat Oncol Biol Phys 1991; **21:** 347
Gray JR; Wallner KE: reversal of cranial nerve dysfunction with radiation therapy in adults with lymphoma and leukemia, Int J Radiat Oncol Biol Phys 1990; **19:** 439
Gray LL See **Glowniak JV**
Gray R See **Stein M**
Gray R See **Tennenhouse J**
Gray R; Maharajh GS; Hyland R: pneumothorax resulting from acupuncture, J Canad Assoc Radiol 1991; **42:** 139
Gray RGF See **Chapman S**
Gray RJ See **Cormier MG**
Gray RR See **Franczyk J**
Gray RR See **Mirich DR**
Gray RR; Rooney M; Grosman H: indwelling angiographic catheters to facilitate placement of ureteric stents, J Canad Assoc Radiol 1991; **42:** 127
Gray RR; Rooney M; Grosman H: use of T fasteners for primary jejunostomy, Cardiovasc Intervent Radiol 1990; **13:** 93
Gray RR; St. Louis EL; Grosman H: modified catheter for percutaneous gastrojejunostomy, Radiology 1989; **173:** 276
Gray RP; St. Louis EL; Jewett MAS: aneurysm of the dilatation balloon catheter: an unusual complication of percutaneous nephrolithotomy, Urol Radiol 1989; **11:** 165
Graziani L; Fabrizzi G; Manfrini E; et al: percutaneous transhepatic Oddi-sphincter dilatation for bile duct stone removal, AJR 1989; **152:** 73
Graziani LJ See **Mitchell DG**
Grazzini G See **Ciatto S**
Grdina DJ See **Quiet CA**
Greager JA; Chao T-C; Blend MJ; et al: localization of pulmonary human sarcoma xenografts in athymic nude mice with indium-111-labeled monoclonal antibodies, J Nucl Med 1990; **31:** 1378
Greatorex RA See **Radford PJ**
Grech P See **Rowlands PC**
Grech P See **Tran T**
Grech P; Rowlands P; Crofton M: aneurysm of the inferior pancreaticoduodenal artery diagnosed by real-time ultrasound and pulsed Doppler, Br J Radiol 1989; **62:** 753
Greco A; McNamara MT; Lanthier P; Quay SC; Michelozzi G: gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Radiology 1990; **176:** 451
Greco A; Mason P; Leung AWL; et al: staging of carcinoma of the uterine cervix: MRI–surgical correlation, Clin Radiol 1989; **40:** 401
Greco G See **Russo G**
Greco-Hunt V See **Boone JM**
Greco-Hunt V See **Gross GW**
Greco-Hunt VT See **Soulen MC**
Green AE Jr See **Suhr GM**
Green BA See **Castillo M**
Green BA See **Sklar EML**
Green CE See **Stark KS**
Green CE: fellowship training for all?, AJR 1990; **155:** 191
Green D See **Abbey NC**
Green D See **Harward TRS**
Green JA See **Watkin SW**
Green JJ See **Cullen MT**
Green M See **Sephton R**
Green MA See **Mathias CJ**
Green MA See **Shelton ME**
Green MV See **Bacharach SL**
Green MV; Bacharach SL; Borer JS; et al: theoretical comparison of first-pass and gated equilibrium methods in the measurement of systolic left ventricular function, J Nucl Med 1991; **32:** 1801
Green PS; Ostrem JS; Whitehurst TK: combined reflection and transmission ultrasound imaging, Ultrasound Med Biol 1991; **17:** 283
Green RA See **Hammersley JR**
Green RC See **Malko JA**
Green RM See **Blebea J**
Green SB See **Deutsch M**
Green WJ; Fendley SM; Wintzell EC; et al: cystic degeneration of a large uterine leiomyoma: radiologic and surgical analyses, Invest Radiol 1989; **24:** 626
Greenan T; Zlatkin MB: magnetic resonance imaging of the wrist, Semin US CT MR 1990; **11:** 267
Greenan TJ; Pollack HM; Lautin EM; et al: excessive accumulation of normal retroperitoneal fat mimicking a neoplasm: urographic/CT correlations, Urol Radiol 1990; **12:** 99
Greenberg CR See **Chodirker BN**
Greenberg E See **Hardoff R**
Greenberg H See **Sanchez RB**
Greenberg HE See **Palmer LB**
Greenberg HM See **Brunet WG**
Greenberg ID See **Stern S**
Greenberg J See **Weisberg LA**
Greenberg JH See **Jamieson DG**
Greenberg JH; Kushner M; Rango M; et al: validation studies of iodine-123-iodoamphetamine as a cerebral blood flow tracer using emission tomography, J Nucl Med 1990; **31:** 1364
Greenberg JJ See **Sacks BA**
Greenberg MA; Fish BG; Spindola-Franco H: congenital anomalies of the coronary arteries: classification and significance, Radiol Clin North Am 1989; **27:** 1127
Greenberg RS See **Griffin PM**
Greenberg RW See **Moore EH**
Greenberg SB See **Capitanio MA**
Greenberg SB: double lumen catheter for gastrojejunal tube: feeding of debilitated infants, Pediatr Radiol 1991; **21:** 301
Greenberg SB: tumoral calcinosis in an infant, Pediatr Radiol 1990; **20:** 206
Greenberg SB; Faerber EN: respiratory insufficiency following chloral hydrate sedation in two children with Leigh disease (subacute necrotizing encephalomyelopathy), Pediatr Radiol 1990; **20:** 287
Greenberg SB; Faerber EN; Aspinall CL: high dose chloral hydrate sedation for children undergoing CT, JCAT 1991; **15:** 467
Greenberg SB; Faerber EN; Riviello JJ; et al: subacute necrotizing encephalomyelopathy (Leigh disease): CT and MRI appearances, Pediatr Radiol 1990; **21:** 5
Greene GM See **Crain MR**
Greene GM See **Yuh WTC**
Greene MF See **Benacerraf BR**
Greene R See **Buckley KM**
Greene R See **Oestmann JW**
Greene R: radiologic history exhibit: Francis H. Williams, MD: father of chest radiology in North America, Radiographics 1991; **11:** 325
Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Miller WT; Oestmann JW; Sagel SS; Schaefer C; Stark P: thoracic radiology. RSNA '88 meeting notes, Radiology 1989; **170:** 607
Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Sagel SS; Schaefer C; Stark P: thoracic radiology. RSNA '89 meeting notes, Radiology 1990; **174:** 596
Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Schaefer C; Spirn PW; Stark P: thoracic radiology: RSNA '90 meeting notes, Radiology 1991; **178:** 916
Greene RE See **Schaefer CM**
Greene RE See **Shin JH**
Greene TL See **Quinn SF**
Greene WJ See **Clyne CAC**
Greenfeld Z See **Brezis M**
Greenfield A See **Samaraweera RN**
Greenfield AJ See **Kaufman JA**
Greenfield AJ See **Levine FJ**
Greenfield AJ See **Rosen MP**
Greenfield AJ See **Sanborn TA**
Greenfield AJ See **Walker TG**
Greenfield AJ See **Wright JG**
Greenfield GB: MR imaging of periosteal and cortical changes of bone: authors' response, Radiographics 1991; **11:** 624
Greenfield GB; Cardenas C; Dawson PJ; et al: case report 650, Skeletal Radiol 1991; **20:** 67
Greenfield GB; Warren DL; Clark RA: MR imaging of periosteal and cortical changes of bone, Radiographics 1991; **11:** 611
Greenfield LJ See **Brothers TE**
Greenfield LJ See **Marx MV**
Greenfield LJ See **Richardson JW**
Greenfield LJ: perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Radiology 1990; **175:** 287
Greenfield LJ; Cho KJ; Pais O; et al: preliminary clinical experience with titanium Greenfield vena caval filters, (ab), Radiology 1989; **173:** 884
Greenfield LJ; Cho KJ; Tauscher JR: evolution of hook design for fixation of the titanium Greenfield filter, (ab), Radiology 1991; **179:** 296
Greenfield S See **Springate J**
Greenleaf JF See **Kim D**
Greenleaf JF See **Lu J-Y**
Greenler DP; Klein HA: scope of false-positive iodine-131 images for thyroid carcinoma, Clin Nucl Med 1989; **14:** 111
Greenler DP; Sumkin JH; Campbell WL: CT appearance of the Roux limb following choledochojejunostomy in liver transplantation, Gastrointest Radiol 1991; **16:** 41
Greensite F See **Buxton RB**
Greensite F See **Levenson H**
Greenson JK; Belitsos PC; Yardley JH; et al: AIDS enteropathy: occult enteric infections and duodenal mucosal alterations in chronic diarrhea, (ab), Radiology 1991; **180:** 882
Greenspan A See **Ablin DS**
Greenspan A See **Gerscovich EO**
Greenspan A; Gerscovich E; Szabo RM; et al: condensing osteitis of the clavicle: a rare but frequently misdiagnosed condition, AJR 1991; **156:** 1011

Greenspan A; Steiner G; Knutzon R: bone island (enostosis): clinical significance and radiologic and pathologic correlations, Skeletal Radiol 1991; **20:** 85
Greenspan B See **Hong SS**
Greenspan RH; Simon AL; Ricketts HJ; et al: in vivo magnification angiography, Invest Radiol 1990; **25:** 352
Greenspan RL See **Butler SP**
Greenstein A; Shoval Y; Chen J; et al: incidental extraction of double pigtail catheter during nephrostomy removal, Urol Radiol 1989; **11:** 121
Greenstein AJ See **Riobeiro MB**
Greenwald MJ See **Listernick R**
Greenway G See **Haller J**
Greenwood J: mechanisms of blood-brain barrier breakdown, Neuroradiol 1991; **33:** 95
Greenwood LH See **Denny DF Jr**
Greenwood LH See **Gilliland JD**
Greenwood LH See **White RI Jr**
Greer KL See **Gilland DR**
Greeves LG See **Carson DJ**
Gregersen HE; Rasmussen OS: ultrasonography of osteochondritis dessecans of the knee: a preliminary report, Acta Radiol 1989; **30:** 552
Gregg DC; Sty JR: sonographic diagnosis of enlarged prostatic utricle, J Ultrasound Med 1989; **8:** 51
Gregg PJ See **Oni OOA**
Gregoire N: blood-brain barrier, J Neuroradiol 1989; **16:** 238
Gregor A See **Gaze MN**
Gregorios JB See **Brown E**
Gregory C See **Lear JL**
Gregory DW See **Kerr CL**
Gregory SA; Grippi MA: clinical diagnosis of drug-induced pulmonary disorders, J Thorac Imag 1991; **6-1:** 8
Gregory SP; Waterman AE; Weaver BMQ: method of euthanasia in animal study, Radiology 1991; **179:** 288
Greicius FA See **Brinberg DE**
Greig F See **Prasad V**
Greiner RH; Blattmann HJ; Thum P; et al: dynamic pion irradiation of unresectable soft tissue sarcomas, Int J Radiat Oncol Biol Phys 1989; **17:** 1077
Greitz T; Bohm C; Holte S; et al: computerized brain atlas: construction, anatomical content, and some applications, JCAT 1991; **15:** 26
Gremmel H See **Koschorek F**
Gremse DA; Peevy KJ; Walterspiel JN; et al: aortic thrombosis in a neonate with undetectable protein C, Pediatr Radiol 1990; **20:** 198
Grenier N See **Dousset V**
Grenier N See **Houang B**
Grenier N See **Schiebler ML**
Grenier N; Douws C; Morel D; Ferriére J-M; Le Guillou M; Potaux L; Broussin J: detection of vascular complications in renal allografts with color Doppler flow imaging, Radiology 1991; **178:** 217
Grenier N; Gréselle J-F; Douws C; et al: MR imaging of foraminal and extraforaminal lumbar disk herniations, JCAT 1990; **14:** 243
Grenier N; Greselle J-F; Vital J-M; Kien P; Baulny D; Broussin J; Senegas J; Caille J-M: normal and disrupted lumbar longitudinal ligaments: correlative MR and anatomic study, Radiology 1989; **171:** 197
Grenier N; Kressel HY; Schiebler ML; Grossman RI: isthmic spondylolysis of the lumbar spine: MR imaging at 1.5 T, Radiology 1989; **170:** 489
Grenier P See **Brauner MW**
Grenier P See **Lenoir S**
Grenier P; Lenoir S; Brauner MW: computed tomographic assessment of bronchiectasis, Semin US CT MR 1990; **11:** 430
Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C: chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Radiology 1991; **179:** 123
Grenier RP See **Massardo T**
Grentzinger A See **Juillière Y**
Grepe A See **Stejskal V**
Greselle JF See **Brichaux JC**
Gréselle J-F See **Grenier N**
Gréselle JF See **Houang B**
Gresik MV See **Katz JA**
Gresser I: antitumor effects of interferon, Acta Oncol 1989; **28:** 347
Grétarsdóttir J See **Aronsson EF**
Gretz HF III See **Dattoli MJ**
Gretzer H See **Mortensson W**
Greve JL See **Casillas J**
Greven K See **Randall ME**
Greven KM; Curran WJ Jr; Whittington R; et al: analysis of failure patterns in stage III endometrial carcinoma and therapeutic implications, Int J Radiat Oncol Biol Phys 1989; **17:** 35
Greven KM; Randall M; Fanning J; et al: patterns of failure in patients with stage I, grade 3 carcinoma of the endometrium, Int J Radiat Oncol Biol Phys 1990; **19:** 529
Grevers G See **Vogl TJ**
Grewe G See **Horowitz AL**
Greyson ND: seasonal lighter note: "Kirlian photography" film artifacts, J Canad Assoc Radiol 1989; **40:** 331
Greyson ND; Howard RJ: superior vena caval obstruction due to atrial metastasis, Clin Nucl Med 1990; **14:** 698
Greyson ND; Wilmot DM; Wilmot JE: bullseye display of regional perfusion of the brain, Clin Nucl Med 1991; **16:** 149
Gribbin C See **Naidich DP**
Grieco JG; Montoya A; Sullivan HJ; et al: ventricular aneurysm due to blunt chest injury, (ab), Radiology 1989; **173:** 292
Grier D; Cook PG; Hartnell GG: chest radiographs after permanent pacing. are they really necessary?, Clin Radiol 1990; **42:** 244
Grier D; Hartnell GG: percutaneous femoral artery puncture: practice and anatomy, Br J Radiol 1990; **63:** 602
Grierson J See **Shields AF**
Grierson JR See **Rasey JS**
Grierson JR; Link JM; Mathis CA; et al: radiosynthesis of fluorine-18 fluoromisonidazole, J Nucl Med 1989; **30:** 343
Gries H See **Weinmann H-J**
Grieve DK See **Spencer JA**
Griffen MM; Welling RE: needle-localized biopsy of the breast, (ab), Radiology 1990; **176:** 295
Griffeth LK See **Chesis PL**
Griffeth LK See **Conway WF**
Griffey BV See **Griffey RH**
Griffey RH See **Caprihan A**
Griffey RH See **Martin JF**
Griffey RH See **Pierce WB**
Griffey RH See **Vinitski S**
Griffey RH: carbon-13 magnetic resonance spectroscopy: problems and promise, Invest Radiol 1989; **24:** 1017
Griffey RH: tumor characterization using unconventional MR modalities, Invest Radiol 1989; **24:** 985
Griffey RH; Griffey BV; Matwiyoff NA: triple-quantum-coherence-filtered imaging of sodium ions *in vivo* at 4.7 tesla, Magn Res Med 1990; **13:** 305
Griffin DJ See **Yakes WF**
Griffin J See **Mahon T**
Griffin JF See **McNicholas MMJ**
Griffin JM See **Sloane PM**
Griffin MR; Piper JM; Daugherty JR; et al: nonsteroidal anti-inflammatory drug use and increased risk for peptic ulcer disease in elderly persons, (ab), Radiology 1991; **180:** 882
Griffin MR; Ray WA; Schaffner W: nonsteroidal anti-inflammatory drug use and death from peptic ulcer in elderly persons, (ab), Radiology 1989; **171:** 585
Griffin PM; Liff JM; Greenberg RS; et al: adenocarcinomas of the colon and rectum in persons under 40 years old, (ab), Radiology 1991; **181:** 290
Griffin TW; Pajak TF; Maor MH; et al: mixed neutron/photon irradiation of unresectable squamous cell carcinomas of the head and neck: the final report of a randomized cooperative trial, Int J Radiat Oncol Biol Phys 1989; **17:** 959
Griffioen G See **Shaw PC**
Griffith DP See **Gleeson MJ**
Griffith DP; Gleeson MJ; Appel MF; et al: percutaneous cholecystolithotomy: a minimally invasive alternative to cholecystectomy and to shock wave lithotripsy, (ab), JVIR 1990; **1:** 140
Griffith DP; Gleeson MJ; Politis G; et al: effectiveness of radiation control program for Dornier HM3 lithotriptor, (ab), Radiology 1989; **172:** 884
Griffith JC See **Moreno AJ**
Griffith SL; Burney BT; Fry FJ; et al: experimental gallstone dissolution with methyl-tert-butyl ether (MTBE) and transcutaneous ultrasound energy, Invest Radiol 1990; **25:** 146
Griffith SL; Burney BT; Fry FJ; et al: large animal model (swine) to study the diagnosis and treatment of cholelithiasis, Invest Radiol 1989; **24:** 110
Griffiths BG See **Rizzo MJ**
Griffiths GJ See **Clements R**
Griffiths GJ See **Etherington RJ**
Griffiths GJ See **Jones DR**
Griffiths GJ; Clements R; Peeling WB: current status of transrectal ultrasonography in the diagnosis and management of prostatic cancer, Clin Radiol 1989; **40:** 337
Griffiths HJ See **Comunale JP Jr**
Griffiths HJ See **duCret RP**
Griffiths HJ See **Siegelman SS**
Griffiths HJ See **Yip T-CK**
Griffiths HJ: age-dependent doses to members of the public from intake of radionuclides. part 1. annals of the ICRP publication 56. , Radiology 1991; **179:** 318
Griffiths HJ: anatomy and MRI of the joints: a multiplanar atlas, Radiology 1989; **171:** 418
Griffiths HJ: anatomy flash cards: musculature, Radiology 1991; **180:** 392
Griffiths HJ: atlas of anatomic correlations in CT and MRI, Radiology 1989; **172:** 414
Griffiths HJ: atlas of sectional human anatomy. 2d ed, Radiology 1989; **171:** 418
Griffiths HJ: backache. 2nd ed., Radiology 1990; **177:** 766
Griffiths HJ: bone mineral measurements by photon absorptiometry: methodological problems, Radiology 1989; **173:** 334
Griffiths HJ: determination of dose equivalents from external radiation sources. Pt 2, no. 4, Radiology 1989; **173:** 80
Griffiths HJ: dictionary and handbook of nuclear medicine and clinical imaging, Radiology 1991; **180:** 260
Griffiths HJ: editor's page: book reviews in *Radiology*, Radiology 1989; **170:** 390
Griffiths HJ: encyclopedia of medical devices and instrumentation, Radiology 1989; **170:** 1016
Griffiths HJ: exposure of the U.S. population from diagnostic medical radiation. NCRP publication no. 100, Radiology 1990; **174:** 740
Griffiths HJ: exposure of the U.S. population from occupational radiation, Radiology 1990; **175:** 264
Griffiths HJ: handbook of orthopedic terminology, Radiology 1991; **181:** 828
Griffiths HJ: imaging anatomy of the knee region, Radiology 1989; **170:** 762
Griffiths HJ: key anatomy for radiology, Radiology 1989; **171:** 348
Griffiths HJ: magnetic resonance imaging: atlas of the head, neck and spine, Radiology 1989; **172:** 978
Griffiths HJ: magnetic resonance video review: marketing and the MRI center, Radiographics 1990; **10:** 482
Griffiths HJ: magnetic resonance video review: MRI of the knee, Radiology 1989; **171:** 380
Griffiths HJ: magnetic resonance video review: the use of Gd-DTPA in the central nervous system, Radiographics 1990; **10:** 482
Griffiths HJ: national medical series for independent study: radiographic anatomy, Radiology 1991; **178:** 368
Griffiths HJ: noninvasive techniques in biology and medicine, Radiology 1991; **180:** 42
Griffiths HJ: of critical importance: AIDS precautions in radiology, Radiology 1989; **171:** 760
Griffiths HJ: osteoporosis, Radiology 1989; **171:** 760
Griffiths HJ: osteoporosis: physiological basis, assessment and treatment, Radiology 1990; **177:** 126
Griffiths HJ: pocket atlas of cardiac and thoracic MRI, Radiology 1989; **173:** 712
Griffiths HJ: pocket atlas of head and neck MRI anatomy, Radiology 1990; **174:** 674
Griffiths HJ: pocket atlas of normal CT anatomy of the head and brain, Radiology 1991; **178:** 72
Griffiths HJ: pocket atlas of pediatric ultrasound, Radiology 1991; **178:** 72
Griffiths HJ: quantitative methods in bone densitometry, Radiology 1989; **173:** 334
Griffiths HJ: radiation protection for medical and allied health personnel. NCRP report no. 105, Radiology 1990; **176:** 702
Griffiths HJ: radiographic measurements, Radiology 1990; **176:** 748
Griffiths HJ: radiological accident in San Salvador. a report prepared by the IAEA in cooperation with PAHO/WHO, Radiology 1991; **179:** 318
Griffiths HJ: radiological protection of the worker in medicine and dentistry. annals of the ICRP publication 57, Radiology 1991; **179:** 318
Griffiths HJ: radiology: practical guides for general practice 3, Radiology 1989; **172:** 94
Griffiths HJ: radiology: the big picture, Radiographics 1991; **11:** 635
Griffiths HJ: RadLine biomedical literature reference, Radiographics 1991; **11:** 1120
Griffiths HJ: recognize and respond, Radiographics 1991; **11:** 635
Griffiths HJ: regional atlas of bone disease, Radiology 1991; **178:** 614
Griffiths HJ: something about x-rays for everybody, Radiology 1989; **173:** 712
Griffiths HJ: tissue substitutes in radiation dosimetry and measurement. no. 4, Radiology 1989; **173:** 202
Griffiths HJ: University of Utah handbooks in radiology: chest radiology, Radiology 1989; **173:** 712

Griffiths HJ: visible human body: an atlas of sectional anatomy, Radiology 1991; **180:** 138
Griffiths HJ: your child and x-rays: a parent's guide to radiation, x-rays and other imaging procedures, Radiology 1989; **171:** 810
Griffiths HJ; Virtama P: cortical thickness and trabecular pattern of the femoral neck as a measure of osteopenia, Invest Radiol 1990; **25:** 1116
Griffiths JR See **Maxwell RJ**
Griffiths JR See **Tozer GM**
Griffiths KA See **Gill RW**
Griffiths MH; Kocjan G; Miller RF; et al: diagnosis of pulmonary disease in human immunodeficiency virus infection: role of transbronchial biopsy and bronchoalveolar lavage, (ab), Radiology 1990; **174:** 586
Griffiths RD See **Smith SR**
Grignon A See **Patriquin HB**
Grignon A See **Vignault F**
Grignon A See **Zerin JM**
Grignon B; Bracard S; Abadou H; et al: long term hemodialysis spondylarthropathy: an atlanto-occipital location, J Neuroradiol 1990; **17:** 60
Grignon DJ; Ayala AG; Carrasco CH; et al: case report 532, Skeletal Radiol 1989; **18:** 147
Grigsby PW See **Keisch ME**
Grigsby PW See **Keys R**
Grigsby PW See **Kovalic JJ**
Grigsby PW See **Kuten A**
Grigsby PW See **Michalski JM**
Grigsby PW See **Perez CA**
Grigsby PW See **Slessinger E**
Grigsby PW; Perez CA: radiotherapy alone for medically inoperable carcinoma of the cervix: stage IA and carcinoma *in situ*, Int J Radiat Oncol Biol Phys 1991; **21:** 375
Grigsby PW; Perez CA; Eichling J; et al: reduction in radiation exposure to nursing personnel with the use of remote afterloading brachytherapy devices, Int J Radiat Oncol Biol Phys 1991; **20:** 627
Grigsby PW; Perez CA; Kuten A; et al: clinical stage I endometrial cancer: results of adjuvant irradiation and patterns of failure, Int J Radiat Oncol Biol Phys 1991; **21:** 379
Grigsby PW; Simpson JR; Emami BN; et al: prognostic factors and results of surgery and postoperative irradiation in the management of pituitary adenomas, Int J Radiat Oncol Biol Phys 1989; **16:** 1411
Grigsby PW; Thomas PR; Schwartz HG; et al: multivariate analysis of prognostic factors in pediatric and adult thalamic and brainstem tumors, Int J Radiat Oncol Biol Phys 1989; **16:** 649
Grillo HC See **Choi NC**
Grillo HC; Mathisen DJ: primary tracheal tumors: treatment and results, (ab), Radiology 1990; **176:** 886
Grimard L See **Mazeron JJ**
Grimard L See **Otmezguine Y**
Grimer RJ See **Davies AM**
Grimes C See **Whitten C**
Grimes MM See **Zwiebel BR**
Grimley PM See **Hayes WS**
Grimm RC See **Butts RK**
Grimm RC See **Riederer SJ**
Grippi MA See **Gregory SA**
Grippi MA: clinical aspects of lung cancer, Semin Roentgenol 1990; **25:** 12
Griscom NT See **Bellah RD**
Griscom NT See **Braverman RM**
Griscom NT See **Buonomo C**
Griscom NT See **Dangman BC**
Griscom NT See **Jaramillo D**
Griscom NT See **Nimkin K**
Griscom NT See **Preston AA**
Griscom NT See **Wootton SL**
Griscom NT: CT measurement of the tracheal lumen in children and adolescents, AJR 1991; **156:** 371
Griscom NT; Martin TR: trachea and esophagus after repair of esophageal atresia and distal fistula: computed tomographic observations, Pediatr Radiol 1990; **20:** 447
Griscom NT; Wheeler WB; Sweezey NB; Kim YC; Lindsey JC; Wohl MEB: bronchopulmonary dysplasia: radiographic appearance in middle childhood, Radiology 1989; **171:** 811
Grisoli M See **Savoiardo M**
Grissom LE See **Harcke HT**
Grist TM See **Rippe DJ**
Grist TM; Charles HC; Sostman HD: renal transplant rejection: diagnosis with ^{31}P MR spectroscopy, AJR 1991; **156:** 105
Grist TM; Fuller RW; Albiez KL; Bowie JD: femur length in the US prediction of trisomy 21 and other chromosomal abnormalities, Radiology 1990; **174:** 837
Grist TM; Kneeland JB; Rilling WR; Jesmanowicz A; Frondcisz W; Hyde JS: gated cardiac MR imaging and P-31 MR spectroscopy in humans at 1.5 T: work in progress, Radiology 1989; **170:** 357
Gritzmann N: sonography of the salivary glands, AJR 1989; **153:** 161
Gritzmann N; Grasl MC; Helmer M; et al: invasion of the carotid artery and jugular vein by lymph node metastases: detection with sonography, AJR 1990; **154:** 411
Gritzmann N; Traxler M; Grasl MC; Pavelka R: advanced laryngeal cancer: sonographic assessment, Radiology 1989; **171:** 171
Grix AW See **Mihalko M**
Groch MW; Domnanovich JR; Erwin WD; et al: multigated blood-pool imaging using heart sounds, J Nucl Med 1991; **32:** 1513
Grodd W See **Faiss JH**
Grodd W See **Jung W-I**
Grodd W See **Klose U**
Grodd W; Krägeloh-Mann I; Klose U; Sauter R: metabolic and destructive brain disorders in children: findings with localized proton MR spectroscopy, Radiology 1991; **181:** 173
Groen J See **Lanzer P**
Groen JP See **Luyten PR**
Groenewald WA See **Smit BJ**
Grogan L See **Lee MJ**
Gröhn P See **Maiche AG**
Gröhn P; Kumpulainen E; Jakobsson M: response of medullary thyroid cancer to low-dose alpha-interferon therapy, Acta Oncol 1990; **29:** 950
Grohs B See **Rabe H**
Groleau S See **Bégin R**
Groleau S See **Chhem RK**
Groll A See **Nguyen KT**
Grollman JH: aortic diverticulum: a remnant of the partially involuted dorsal aortic root, Cardiovasc Intervent Radiol 1989; **12:** 14
Grollman JH Jr See **Dawson P**
Grollman JH Jr; Marcus R; Averbook BD; et al: bilateral aortoiliac pressure measurements from a single puncture site, Cardiovasc Intervent Radiol 1990; **13:** 367
Gronemeyer S See **Laschinger JC**
Gronemeyer SA See **Hanna SL**
Gröntvedt T See **Anda S**
Gropler RJ; Siegel BA; Geltman EM: myocardial uptake of carbon-11-acetate as an indirect estimate of regional myocardial blood flow, J Nucl Med 1991; **32:** 245
Gropler RJ; Siegel BA; Lee KJ; et al: nonuniformity in myocardial accumulation of fluorine-18-fluorodeoxyglucose in normal fasted humans, J Nucl Med 1990; **31:** 1749
Grosch EJ See **Saunders MI**
Grosfeld JL See **Rescorla FJ**
Groshar D; Embon OM; Frenkel A; et al: renal function and technetium-99m-dimercaptosuccinic acid uptake in single kidneys: the value of in vivo SPECT quantitation, J Nucl Med 1991; **32:** 766
Groshar D; Frankel A; Iosilevsky G; et al: quantitation of renal uptake of technetium-99m DMSA using SPECT, J Nucl Med 1989; **30:** 246
Groskin SA See **Kim S**
Groskin SA See **Scalzetti EM**
Groskin SA; Massi AF; Randall PA: calcified hilar and mediastinal lymph nodes in an AIDS patient with *Pneumocystis carinii* infection, Radiology 1990; **175:** 345
Groskin SA; Panicek DM; Ewing DK; et al: bacterial lung abscess: a review of the radiographic and clinical features of 50 cases, J Thorac Imag 1991; **6-3:** 62
Groskin SA; Stadnick ME; DuPont PG: *Pneumocystis carinii* pneumonia: effect of corticosteroid treatment on radiographic appearance in a patient with AIDS, Radiology 1991; **180:** 423
Grosman H See **Gray RR**
Grosman H See **Mirich DR**
Grosman H See **Stein M**
Grosman H; Stein M; Perrin RC; et al: computed tomography and lateral ventricular asymmetry: clinical and brain structural correlates, J Canad Assoc Radiol 1990; **41:** 342
Gross B See **Hardoff R**
Gross B See **Helpern JA**
Gross BH See **Alpern MB**
Gross BH See **Dorfman RE**
Gross BH See **Nazarian GK**
Gross BH See **Rebner M**
Gross BH See **Seline TH**
Gross BH See **Wahl RL**
Gross C See **Floras P**
Gross DA: atlas of radiologic imaging, Radiology 1990; **177:** 108
Gross DA: chest disease (4th series) test and syllabus. 27th ed., Radiology 1990; **177:** 754
Gross GM See **Keller FS**
Gross GM See **Lanzer P**
Gross GM See **Lawdahl RB**
Gross GM See **Mulligan SA**
Gross GM See **Routh WD**
Gross GW See **Boone JM**
Gross GW See **Mitchell DG**
Gross GW See **Rubin DA**
Gross GW; Boone JM; Greco-Hunt V; et al: neural networks in radiologic diagnosis: II. interpretation of neonatal chest radiographs, Invest Radiol 1990; **25:** 1017
Gross GW; Cullen J; Desai HJ: progression of pulmonary cystic disease during ECMO, Pediatr Radiol 1990; **20:** 191
Gross GW; Ehrlich SM; Wang Y: diagnostic quality of portable abdominal radiographs in neonates with necrotizing enterocolitis: digitized vs nondigitized images, AJR 1990; **154:** 779
Gross GW; McGeady SJ; Kerut T; et al: limited-slice CT in the evaluation of paranasal sinus disease in children, AJR 1991; **156:** 367
Gross GW; Steiner RM: radiographic manifestations of congenital heart disease in the adult patient, Radiol Clin North Am 1991; **29:** 293
Gross HM See **Chang JC**
Gross JB Jr See **Telenti A**
Gross MD See **Counsell RE**
Gross MD See **Fig LM**
Gross MD See **Hicks RJ**
Gross MD See **Remer EM**
Gross MD; Shapiro B: scintigraphic studies in adrenal hypertension, Semin Nucl Med 1989; **19:** 122
Gross MD; Shapiro B; Freitas JE: scintigraphic endocrine mimicry, Clin Nucl Med 1990; **15:** 457
Gross ML See **Grover JS**
Gross ML; Soberman N; Dorfman HD; et al: case report 556, Skeletal Radiol 1989; **18:** 389
Gross W; Zeller P; Kreimeier U; et al: pseudocolor display of regional organ blood flow determined by means of the radioactive microsphere technique, Comput Med Imag Graph 1990; **14:** 1
Grosse A See **Staritz M**
Gross-Fengels W See **Benz-Bohm G**
Gross-Fengels W See **Bohndorf K**
Grossi M See **Faden H**
Grosskreutz S; Goff WB II; Balsara Z; et al: CT of the normal appendix, JCAT 1991; **15:** 575
Grossman CB See **Boyko OB**
Grossman DM See **Stewart RE**
Grossman H See **White KS**
Grossman HB See **Quint LE**
Grossman JE See **Unger JM**
Grossman K See **Kaiser KP**
Grossman R See **Alavi A**
Grossman RI See **Bobman SA**
Grossman RI See **Cross PA**
Grossman RI See **Fobben ES**
Grossman RI See **Grenier N**
Grossman RI See **Smith RR**
Grossman RI See **Titelbaum DS**
Grossman RI See **Yousem DM**
Grossman RI: sanguinary efforts, Radiology 1989; **172:** 13
Grossman RJ See **Kramer EL**
Grossman SA; Patel BA; Blend MJ: use of CCK cholescintigraphy to differentiate choledochal cyst from gallbladder, Clin Nucl Med 1991; **16:** 226
Grossman SB See **Beltran J**
Grossman ZD See **Rosebrough SF**
Grossman ZD: monoclonal antibodies and thromboembolism, J Thorac Imag 1989; **4-4:** 62
Grossman ZD: radionuclide thrombus imaging: an idea whose time has come?, Radiology 1989; **173:** 22
Grossman ZD: radionuclide thrombus imaging: reply, Radiology 1990; **174:** 895
Grossnickle M See **Chung CJ**
Grosso M; Gandini G; Cassinis MC; Regge D; Righi D; Rossi P: percutaneous treatment (including pseudocystogastrostomy) of 74 pancreatic pseudocysts, Radiology 1989; **173:** 493
Groth S See **Effersöe H**
Groth S; Johansen H; Sørensen PG; et al: effect of thoracic irradiation for cancer of the breast on ventilation, perfusion and pulmonary permeability: a one-year follow-up, Acta Oncol 1989; **28:** 671
Grothe RA Jr See **Miller TR**
Group M; Stanton-Hicks M: neuroanatomy and pathophysiology of pain related to spinal disorders, Radiol Clin North Am 1991; **29:** 665
Grover JS See **Bassett LW**
Grover JS; Bassett LW; Gross ML; Seeger LL; Finerman GAM: posterior cruciate ligament: MR imaging, Radiology 1990; **174:** 527
Grover WD See **Faerber EN**
Grover-McKay M; Scholz TD; Burns TL; et al: myocardial collagen concentration and nuclear magnetic resonance relaxation times in the spontaneously hypertensive rat, Invest Radiol 1991; **26:** 227
Groves BM See **Chomyn JJ**
Grube GL See **Rouse GA**
Gruber H See **Dock W**
Gruber HE See **Shohat M**
Grucker D: *in vivo* detection of injected free radicals by Overhauser effect imaging, Magn Res Med 1990; **14:** 140

Gruden JF; Kaye JJ: subchondral lucencies and synovial disease: a case report and discussion, Clin Imag 1990; **14:** 333

Grudzinskas JG See **Stabile I**

Gruenewald SM See **Larcos G**

Gruenewald SM; Collins LT; Antico VF; et al: can quantitative renography predict the outcome of treatment of atherosclerotic renal artery stenosis?, J Nucl Med 1989; **30:** 1946

Gruessner R See **Longley DG**

Gruetter R See **Boesch C**

Gruetter R; Boesch C; Müri M; et al: simple design for a double-tunable probe head for imaging and spectroscopy at high fields, Magn Res Med 1990; **15:** 128

Gruetter R; Prolla TA; Shulman RG: ^{13}C NMR visibility of rabbit muscle glycogen *in vivo*, Magn Res Med 1991; **20:** 327

Grum CM See **Hammersley JR**

Grumbach K See **Dinsmore BJ**

Grumbach K See **Rubesin SE**

Grumbach K; Coleman BG; Gal AA; et al: hepatic and biliary tract abnormalities in patients with AIDS: sonographic-pathologic correlation, J Ultrasound Med 1989; **8:** 247

Grundfest SF See **Ng TC**

Grundfest WS See **Litvack F**

Grundfest WS See **Segalowitz J**

Grundy A See **Allen CM**

Grundy A See **Harrison A**

Grundy A See **Mills P**

Grunebaum M See **Ziv N**

Grunewald R-W See **Jans AWH**

Grunwald AM See **Freeman I**

Grünwald F See **Biersack HJ**

Grünwald F; Durwen HF; Bockisch A; et al: technetium-99m-HMPAO brain SPECT in medically intractable temporal lobe epilepsy: a postoperative evaluation, J Nucl Med 1991; **32:** 388

Grünwald F; Schalnus R: isotope cisternography with indium-111 DTPA in a patient with nearly no intellectual deficits and extensive hydrocephalus, Clin Nucl Med 1990; **15:** 352

Grünwald F; Zierz S; Broich K; et al: brain SPECT imaging with Tc-99m HMPAO in ophthalmoplegia plus, Clin Nucl Med 1991; **16:** 20

Grünwald F; Zierz S; Broich K; et al: HMPAO-SPECT imaging resembling Alzheimer-type dementia in mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes (MELAS), J Nucl Med 1990; **31:** 1740

Grusd RS See **Lightfoote JB**

Grusd RS See **Matthews RJ**

Grüssner A See **Merz E**

Grymaloski MR See **Silver SF**

Gryzan S; Paradis IL; Zeevi A; et al: unexpectedly high incidence of *Pneumocystis carinii* infection after lung-heart transplantation: implications for lung defense and allograft survival, (ab), Radiology 1989; **171:** 586

Grzeszczuk R See **Levin DN**

Grzyska U See **Freitag H-J**

Grzyska U See **Zeumer H**

Grzyska U; Freitag H-J; Zeumer H: selective cerebral intraarterial DSA: complication rate and control of risk factors, Neuroradiol 1990; **32:** 296

Gu Z-Y See **Rattner DW**

Gu Z-y See **Warshaw AL**

Gualdi GF; Di Biasi C; Trasimeni G; et al: unusual MR and CT appearance of an epidermoid tumor, AJNR 1991; **12:** 771

Guan S-l; Chu L-S; Hwang W-S; et al: differential diagnosis of benign and malignant bony lesions in bone scanning: using the ratio of radiouptake at different times, Clin Nucl Med 1990; **15:** 424

Guan Y-h See **Hu J-q**

Guardia E See **Ruscalleda J**

Guastalla JP See **Neijt JP**

Guay RC See **Soble MG**

Guben JK See **Rosen MP**

Gubin B See **Francis IR**

Gubler FM; Maas M; Dijkstra PF; de Jongh HR: cystic rheumatoid arthritis: description of a nonerosive form, Radiology 1990; **177:** 829

Gückel C; Benz-Bohm G; Widemann B: mycoplasmal pneumonias in childhood: roentgen features, differential diagnosis and review of literature, Pediatr Radiol 1989; **19:** 499

Gückel F See **Semmler W**

Gückel F; Brix G; Semmler W; et al: proton chemical shift imaging of bone marrow for monitoring therapy in leukemia, JCAT 1990; **14:** 954

Gückel F; Brix G; Semmler W; et al: systemic bone marrow disorders: characterization with proton chemical shift imaging, JCAT 1990; **14:** 633

Gudinchet F See **Motateanu M**

Gudinchet F; Anderegg A: echography of pulmonary sequestration, Eur J Radiol 1989; **9:** 93

Gudinchet F; Brunelle F; Barth MO; et al: MR imaging of the posterior hypophysis in children, AJNR 1989; **10:** 511

Gudmundsen TE; Vinje B; Pedersen T: deep vein thrombosis of lower extremities: diagnosis by real time ultrasonography, Acta Radiol 1990; **31:** 473

Gudmundsson S; Fairlie F; Lingman G; et al: recording of blood flow velocity waveforms in the uteroplacental and umbilical circulation: reproducibility study and comparison of pulsed and continuous wave Doppler ultrasonography, JCU 1990; **18:** 97

Gudmundsson T See **Thorvinger B**

Guedea F; Mendenhall WM; Parsons JT; et al: role of radiation therapy in inverted papilloma of the nasal cavity and paranasal sinuses, Int J Radiat Oncol Biol Phys 1991; **20:** 777

Gueder JW; Lamparello PJ; Riles TS; et al: is duplex scanning sufficient evaluation before carotid endarterectomy?, (ab), Radiology 1989; **173:** 292

Guéron M: coupled resonator model of the detection of nuclear magnetic resonance: radiation damping, frequency pushing, spin noise, and the signal-to-noise ratio, Magn Res Med 1991; **19:** 31

Guerra J See **Elizondo G**

Guerra JJ Jr See **Casillas J**

Guerra JJ Jr See **Russell E**

Guerra N See **Wald ER**

Guerry-Force ML; Müller NL; Paré PD; et al: clinical-radiologic-pathologic conference: a patient with interstitial and airspace disease, J Canad Assoc Radiol 1989; **40:** 104

Guest PJ; McLean A; Graham N: case of the month: no way out, Br J Radiol 1989; **62:** 629

Gugliada K; Nardi PM; Borenstein MS; Torno RB: inflammatory pseudosarcoma (pseudotumor) of the bladder, Radiology 1991; **179:** 66

Guglielmi G See **Mori S**

Guglielmi G: balloon embolization of a basilar bifurcation aneurysm, AJNR 1990; **11:** 653

Guglielmi G; Guidetti G; Mori S; et al: balloon embolization of a giant vertebral-basilar aneurysm, AJNR 1989; **10:** S28

Guglielmo FF; Kurtz AB; Wechsler RJ: prospective comparison of computed tomography and duplex sonography in the evaluation of recently inserted Kimray-Greenfield filters into the inferior vena cava, Clin Imag 1990; **14:** 216

Gui L See **Wei LQ**

Guibelalde E; Vañó E; Llorca AL: quality assurance of viewing boxes: proposal for establishing minimum requirements and results from a Spanish quality control programme, Br J Radiol 1990; **63:** 564

Guiberteau MJ See **Weisgrau RA**

Guibourg H See **Schwaiger M**

Guichard M: chemical manipulations of tissue oxygenation for therapeutic benefit, Int J Radiat Oncol Biol Phys 1989; **16:** 1125

Guichard M; Lespinasse F; Estelin R; et al: glutathione and cysteine levels in human tumour biopsies, Br J Radiol 1990; **63:** 557

Guidera KJ; Kortright L; Barber V; et al: radiographic changes in arthrogrypotic knees, Skeletal Radiol 1991; **20:** 193

Guidetti DA See **Divon MY**

Guidetti G See **Guglielmi G**

Guidi F See **Tummarello D**

Guidi G See **Tortoli P**

Guigui B See **Mathieu D**

Guilfoyle DN; Blamire A; Chapman B; et al: PEEP—a rapid chemical-shift imaging method, Magn Res Med 1989; **10:** 282

Guilfoyle DN; Gibbs P; Ordidge RJ; et al: real-time flow measurements using echo-planar imaging, Magn Res Med 1991; **18:** 1

Guilhen S See **Houzard C**

Guillaume M See **Lemaire C**

Guillet R See **Younkin D**

Guilliland JD See **Yakes WF**

Guillot AP See **Montgomery SP**

Guilt DJ See **Mahendron M**

Guimond J See **Franceschi M**

Guinet C See **Buy J-N**

Guiney MJ; Liew KH; Quong GG; et al: study of splenic irradiation in chronic lymphocytic leukemia, Int J Radiat Oncol Biol Phys 1989; **16:** 225

Guinto FC Jr See **Waggenspack GA**

Guion CJ See **Taylor GA**

Guirao J See **Berná JD**

Guis M See **Auffermann W**

Guit GL See **Bor MV**

Guit GL See **Van Bel F**

Guit GL; van de Bor M: prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US: reply, Radiology 1990; **177:** 885

Guit GL; van de Bor M; den Ouden L; Wondergem JHM: prediction of neurodevelopmental outcome in the preterm infant: MR-staged myelination compared with cranial US, Radiology 1990; **175:** 107

Gujral RB See **Srivastava DN**

Gulati P See **Misra SP**

Gulati R See **Whitney RW**

Gulati S See **Yahalom J**

Gulenchyn KY See **Ballinger JR**

Gulenchyn KY See **Reid RH**

Gullans SR See **Stromski ME**

Gullapalli RP; Hawk RM; Komoroski RA: ^{7}Li NMR study of visibility, spin relaxation, and transport in normal human erythrocytes, Magn Res Med 1991; **20:** 240

Gullberg G See **Datz FL**

Gullberg GT See **Tsui BMW**

Gullberg GT See **Yuan C**

Gulliver DJ; Baker ME; Putnam W; et al: bile duct diverticula and webs: nonspecific cholangiographic features of primary sclerosing cholangitis, AJR 1991; **157:** 281

Gulliver DJ; Cotton PB; Baillie J: anatomic variants and artifacts in ERCP interpretation, AJR 1991; **156:** 975

Gülmezoğlu AM See **Ekici E**

Gulyas S See **Hill RP**

Gum GK See **Numaguchi Y**

Gump F See **Estabrook A**

Gump FE See **Komaki R**

Günbay MU See **Kovanlikaya I**

Gundersen HG; Bach-Gansmo T; Holtz E; et al: superparamagnetic contrast agents for magnetic resonance imaging, Invest Radiol 1990; **25:** S67

Gundersen S; Kvinnsland S; Klepp O; et al: weekly anthracycline in the treatment of advanced breast cancer, Acta Oncol 1989; **28:** 883

Gunderson LL See **Allee PE**

Gunderson LL See **Schild SE**

Gundry CR See **Haller J**

Gundry CR See **Kursunoglu-Brahme S**

Gundry CR; Kursunoglu-Brahme S; Schwaighofer B; et al: is MR better than arthrography for evaluating the ligaments of the wrist? in vitro study, AJR 1990; **154:** 337

Gundry CR; Miller CW; Ramos E; Moscona A; Stein JA; Mazess RB; Sartoris DJ; Resnick D: dual-energy radiographic absorptiometry of the lumbar spine: clinical experience with two different systems, Radiology 1990; **174:** 539

Gundry CR; Schils JP; Resnick D; et al: arthrography of the post-traumatic knee, shoulder, and wrist: current status and future trends, Radiol Clin North Am 1989; **27:** 957

Gundzik JM See **Delpassand ES**

Gunn TR; Mora JD; Pease P: outcome after antenatal diagnosis of upper urinary tract dilatation by ultrasonography, (ab), Radiology 1989; **171:** 883

Gunnarsson T See **Adami H-O**

Gunning J See **Worthen NJ**

Günther RW See **Bohndorf K**

Günther RW See **Gehl H-B**

Günther RW See **Neuerburg JM**

Günther RW See **Schmitz-Rode T**

Günther RW See **Urhahn R**

Günther RW See **Vorwerk D**

Günther RW; Bohndorf K; Schuster CJ; et al: new technique to avoid suprarenal placement of Kimray-Greenfield filters: technical note, Cardiovasc Intervent Radiol 1989; **12:** 166

Günther RW; Vorwerk D: aspiration catheter for percutaneous thrombectomy: clinical results, Radiology 1990; **175:** 271

Günther RW; Vorwerk D: minibasket for percutaneous embolectomy and filter protection against distal embolization: technical note, Cardiovasc Intervent Radiol 1991; **14:** 195

Günther RW; Vorwerk D; Antonucci F; et al: iliac artery stenosis or obstruction after unsuccessful balloon angioplasty: treatment with a self-expandable stent, AJR 1991; **156:** 389

Günther RW; Vorwerk D; Bohndorf K; Klose KC; Kistler D; Mann H; Sieberth HG; El-Din A: venous stenoses in dialysis shunts: treatment with self-expanding metallic stents, Radiology 1989; **170:** 401

Günther RW; Vorwerk D; Bohndorf K; Peters I; El-Din A; Messmer B: iliac and femoral artery stenoses and occlusions: treatment with intravascular stents, Radiology 1989; **172:** 725

Günther RW; Vorwerk D; Klose KC; et al: fine caliber cholangioscopy, Radiol Clin North Am 1990; **28:** 1171

Günther RW; Vorwerk D; Klose KC; et al: self-expanding stents for the treatment of a long venous stenosis in a dialysis shunt: case report, Cardiovasc Intervent Radiol 1989; **12:** 29

Günther RW; Vorwerk D; Thon H-J; et al: balloon dilatation and insertion of a self-expandable flexible metallic stent in a benign stricture of the left hepatic duct: case report, Cardiovasc Intervent Radiol 1989; **12:** 69
Guo D-W See Zhang C-C
Guo D-W: aortico-left ventricular tunnel: diagnosis by cine angiocardiography, AJR 1989; **152:** 345
Guo J; Yen D; Huang Z; et al: transcatheter arterial chemoembolization with anticancer drug in iodized oil for primary hepatic carcinoma, Cardiovasc Intervent Radiol 1989; **12:** 181
Guo W-Y See Chang T
Guo WY See Teng MMH
Gupta A See Monaghan D
Gupta AK See Raghav B
Gupta AK See Rao VRK
Gupta AK; Berry M: detection of a radiolucent bronchial foreign body by computed tomography, Pediatr Radiol 1991; **21:** 307
Gupta AK; Rao VRK; Mandalam KR; et al: thrombosis of multiple aneurysms of a lateral lenticulostriate artery: an angiographic follow-up, Neuroradiol 1989; **31:** 193
Gupta KL See Mihara F
Gupta MR See McKinsey DS
Gupta N See Alavi A
Gupta NC See Siffring PA
Gupta NC; Beauvais J: physiologic assessment of coronary artery fistula, Clin Nucl Med 1991; **16:** 40
Gupta NK See Shirato H
Gupta R See Kulpati DDS
Gupta R See Sawhney S
Gupta RK See Kak VK
Gupta RK See Prakash R
Gupta RK; Jena A; Sharma A: sellar abscess associated with tuberculous osteomyelitis of the skull: MR findings, AJNR 1989; **10:** 448
Gupta RK; Jena A; Singh AK; et al: role of magnetic resonance (MR) in the diagnosis and management of intracranial tuberculomas, Clin Radiol 1990; **41:** 120
Gupta RK; Mehta VS; Banerji AK; et al: MR evaluation of brachial plexus injuries, Neuroradiol 1989; **31:** 377
Gupta RK; Sharma A: MR demonstration of paravertebral lumbar meningomyelocele with diastematomyelia, Neuroradiol 1990; **31:** 554
Gupta RK; Sharma BK; Jena A; et al: primary mediastinal tuberculous abscess: demonstration with MR, Pediatr Radiol 1989; **19:** 330
Gupta RK; Singh AK; Bishnu P; et al: intracranial *aspergillus* granuloma simulating meningioma on MR imaging, JCAT 1990; **14:** 467
Gupta RR See Bhushan V
Gupta S See Bagga A
Gupta S See Bushnell DL
Gupta SC See Hughes PM
Gupta SC See Nicholson DA
Gupta SC See Patel BJ
Gupta SC See Patel U
Gupta SK See Mohan V
Gupta SK See Saraf SK
Gupta SK See Veith FJ
Gupta SM See Chak SP
Gupta SM See Crotty J
Gupta SM See Mikula N Jr
Gupta VK See Rao VRK
Gur D See Fuhrman CR
Gur D See Good WF
Gur D See Rockette HE
Gur D See Slasky BS
Gur D See Straub WH
Gur D See Weiser JC
Gur D; King JL; Rockette HE; et al: practical issues of experimental ROC analysis: selection of controls, Invest Radiol 1990; **25:** 583
Gur D; Rockette HE; Good WF; et al: effect of observer instruction on ROC study of chest images, Invest Radiol 1990; **25:** 230
Gur D; Weiser JC; Deutsch M; et al: verification of electron beam therapy with conventional and storage phosphor images: preliminary experience, Int J Radiat Oncol Biol Phys 1989; **17:** 1337
Gur RC See Kohn MI
Gur RE See Kapouleas I
Gur RE See Kohn MI
Gur RE See Milton WJ
Guran S See Balkanci F
Gurley JC See Harrison MR
Gurll NJ See Yang CJC
Gurney JW See Bates FT
Gurney JW See Foley WD
Gurney JW See Goodman LR
Gurney JW See Witte RJ
Gurney JW: cross-sectional physiology of the lung, Radiology 1991; **178:** 1
Gurney JW; Bates FT: pulmonary cystic disease: comparison of Pneumocystis carinii pneumatoceles and bullous emphysema due to intravenous drug abuse, Radiology 1989; **173:** 27
Gurney JW; Goodman LR: pulmonary edema localized in the right upper lobe accompanying mitral regurgitation, Radiology 1989; **171:** 397
Gurney JW; Olson DL; Schroeder BA: gastric bubble: Roentgen observations, Radiographics 1989; **9:** 467
Gurney JW; Schroeder BA: chest-wall collapse as a complication of atelectasis, J Thorac Imag 1989; **4-2:** 87
Gurney JW; Unger JM; Dobry CA; Mitby JK; Von Essen SG: agricultural disorders of the lung, Radiographics 1991; **11:** 625
Guse C See Leibel SA
Guse C See Spanos W Jr
Guse C See Stillwagon GB
Gusella P See Delcour C
Gusis SE; Babini JC; Garay SM; et al: evaluation of the measurement methods for protrusio acetabuli in normal children, Skeletal Radiol 1990; **19:** 279
Gusnard DA See Yousem DM
Gusnard DA: cerebellar neoplasms in children, Semin Roentgenol 1990; **25:** 263
Gussenhoven EJ; The SHK; Gerritsen P; et al: real-time intravascular ultrasonic imaging before and after balloon angioplasty, JCU 1991; **19:** 294
Gussenhoven WJ See de Kroon MGM
Gustafsson D; Stale H; Björkman J-A; et al: derivation of haemodynamic information from ultrasonic recordings of aortic diameter changes, Ultrasound Med Biol 1989; **15:** 189
Gustafsson O See Norming U
Gustavson-Kadaka E See Rotstein S
Gustilo RB See Odland MD
Gutekunst DP See Schaefer S
Gutelius J See Nguyen KT
Guth BD See Martin JF
Guth WR See Malmin RE
Guthaner DF See Yamaguchi T
Guthaner DF: cardiovascular magnetic resonance imaging—state of the art 1988: summary of a symposium held at the North American Society of Cardiac Radiology Annual Meeting, April 30–May 1, 1988, Cardiovasc Intervent Radiol 1989; **12:** 213
Guthaner DF: monorail system for percutaneous repositioning of the Greenfield vena cava filter: reply, Radiology 1991; **179:** 881
Guthaner DF; Wyatt JO; Mehigan JT; Wright AM; Breen JF; Wexler L: monorail system for percutaneous repositioning of the Greenfield vena caval filter, Radiology 1990; **176:** 872
Gutierrez E See Mirowitz SA
Gutierrez ED; Balfe DM: fluoroscopically guided nasoenteric feeding tube placement: results of a 1-year study, Radiology 1991; **178:** 759
Gutierrez F; Mirowitz S; Canter C: magnetic resonance imaging in the evaluation of postoperative congenital heart defects, Semin US CT MR 1990; **11:** 234
Gutierrez FR See Burns MA
Gutierrez FR See Mirowitz SA
Gutiérrez J; Miralles R; Coll J; et al: radiographic findings in pulmonary tuberculosis: the influence of human immunodeficiency virus infection, Eur J Radiol 1991; **12:** 234
Gutierrez MA See Meyer CA
Gutierrez OH See Azodo MVU
Gutierrez OH See Schuster JA
Gutin PH See Leibel SA
Gutin PH; Prados MD; Phillips TL; et al: external irradiation by an interstitial high activity iodine-125 implant "boost" in the initial treatment of malignant gliomas: NCOG study 6G-82-2, Int J Radiat Oncol Biol Phys 1991; **21:** 601
Gutman A See Gordon I
Gutman H; Russo I; Neuman-Levin M; et al: computed tomography diagnosis of primary aorto-enteric fistula, Clin Imag 1989; **13:** 215
Gutmann DH See Yousem DM
Guy D See Cameron DC
Guy GE See Cho KJ
Guy GE See Strouse PJ
Guy GE; Dorfman GS; Saskin H; et al: case report 514, Skeletal Radiol 1989; **17:** 603
Guy JR; Quisling RG: ectopic lacrimal gland presenting as an orbital mass in childhood, AJNR 1989; **10:** S92
Guy RL; Benn JJ; Ayers AB; et al: comparison of CT and MRI in the assessment of the pituitary and parasellar region, Clin Radiol 1991; **43:** 156
Guy RL; Holland JP; Shaw DG; et al: limb shortening secondary to complications of vascular cannulae in the neonatal period, Skeletal Radiol 1990; **19:** 423
Guy RL; Wylie E; Hickey SA; et al: computed tomography in malignant external otitis, Clin Radiol 1991; **43:** 166
Guyer PB See Stott MA
Guyot DR See Endress C
Guyot M See Brendel AJ
Guys JM See Bourliere-Najean B
Guze BH; Hawkins RA: utility of the SPECT Tc-99m labeled RBC blood pool scan in the detection of hepatic hemangiomas, Clin Nucl Med 1989; **14:** 817
Guze BH; Hawkins RA; Marcus CS: technetium-99m white blood cell imaging: false-negative result in salmonella osteomyelitis associated with sickle cell disease, Clin Nucl Med 1989; **14:** 104
Guze BH; Schelbert H: nuclear medicine bone image and myositis ossificans progressiva, Clin Nucl Med 1989; **14:** 161
Guze BH; Webber MM; Hawkins RA; et al: indium-111 white blood cell scans: sensitivity, specificity, accuracy, and normal patterns of distribution, Clin Nucl Med 1990; **15:** 8
Guze C See Rotman M
Guze PA See Bennett CL
Guzick D See Hill LM
Guzman ER; Schulman H; Karmel B; et al: umbilical artery Doppler velocimetry in pregnancies of less than 21 weeks' duration, J Ultrasound Med 1990; **9:** 655
Guzman RJ See Kramer DM
Guzzardo-Dobson PR See Slovis TL
Gwyther SJ See Olliff JFC
Gwyther SJ; Hall CM: mesenchymal hamartoma of the chest wall in infancy, Clin Radiol 1991; **43:** 24
Gyepes MT; Oestreich AE: duplex ultrahang: gyakorlati útmutató duplex és color Doppler-ultrahang-Vizsgálatokhoz (duplex ultrasound: practical guide to duplex ultrasound and color Doppler imaging), Radiology 1991; **181:** 792
Gyldensted C See Høve B
Gylys-Morin V See Hajek PC
Gyngell ML See Bruhn H
Gyngell ML See Frahm J
Gyngell ML See Merboldt K-D
Gyngell ML; Michaelis T; Hörstermann D; et al: cerebral glucose is detectable by localized proton NMR spectroscopy in normal rat brain *in vivo*, Magn Res Med 1991; **19:** 489
Gyves J See Wahl RL
Gyves-Ray K; Hernandez RJ; Hillemeier AC: pseudoaneurysm: unusual presentation of omental cyst, Pediatr Radiol 1990; **20:** 560
Gzaeil M See Chagnon S
Gzesh D; Goldstein S: complex partial epilepsy: the role of neuroimaging in localizing a seizure focus for surgical intervention, J Nucl Med 1990; **31:** 1839

H

Ha HK; Sachs PB; Haaga JR; et al: CT-guided liver biopsy: an update, Clin Imag 1991; **15:** 99
Haacke EM See Amartur S
Haacke EM See Lin W
Haacke EM See Masaryk TJ
Haacke EM; Masaryk TJ: salient features of MR angiography, Radiology 1989; **173:** 611
Haacke EM; Masaryk TJ; Wielopolski PA; et al: optimizing blood vessel contrast in fast three-dimensional MRI, Magn Res Med 1990; **14:** 202
Haacke EM; Tkach JA: fast MR imaging: techniques and clinical applications, AJR 1990; **155:** 951
Haacke EM; Tkach JA; Parrish TB: reduction of T2* dephasing in gradient field-echo imaging, Radiology 1989; **170:** 457
Haacke EM; Wielopolski PA; Tkach JA; Modic MT: steady-state free precession imaging in the presence of motion: application for improved visualization of the cerebrospinal fluid, Radiology 1990; **175:** 545
Haaga JR See Benson MA
Haaga JR See Gazelle GS
Haaga JR See Ha HK
Haaga JR See Shah M
Haaga JR; Morrison SC; County J; et al: infarction of the left hepatic lobe in a neonate on serial CTs: evolution of a pseudomass to atrophy, Pediatr Radiol 1991; **21:** 150
Haakenstad AO See Morton KA
Haan J; de Bakker HM: brain abscess as a complication of halo traction: role of CT in diagnosing penetration of the skull, AJNR 1989; **10:** 446
Haan J; van Kroonenburgh MJPG; Algra PR; et al: hereditary cerebral hemorrhage with amyloidosis—Dutch type: Tc-99m HM-PAO single photon emission computed tomography, Neuroradiol 1990; **32:** 142
Haapanen A See Salonen R
Haas DK See Yakes WF

Haas RA See **Cronan JJ**
Haas RA See **Dorfman GS**
Haas RA See **Lambiase RE**
Haas RH See **Press GA**
Haase A See **Matthaei D**
Haase A See **Norris DG**
Haase A: snapshot FLASH MRI. applications to T1, T2, and chemical-shift imaging, Magn Res Med 1990; **13:** 77
Haase A; Matthaei D; Bartkowski R; et al: inversion recovery snapshot FLASH MR imaging, JCAT 1989; **13:** 1036
Haase KK See **Duda SH**
Haase KK See **Karsch KR**
Haber GB See **Mirich DR**
Haber MM See **Rubin SJ**
Haberal M See **Erbaş B**
Haberkamp TJ See **Daniels DL**
Haberkorn U; Strauss LG; Dimitrakopoulou A; et al: PET studies of fluorodeoxyglucose metabolism in patients with recurrent colorectal tumors receiving radiotherapy, J Nucl Med 1991; **32:** 1485
Haberkorn U; Strauss LG; Reisser C; et al: glucose uptake, perfusion, and cell proliferation in head and neck tumors: relation of positron emission tomography to flow cytometry, J Nucl Med 1991; **32:** 1548
Habermann ET See **Jones JG**
Habib ZA See **Chee CP**
Habibi P See **Kennedy CD**
Habibian A; Stauffer A; Resnick D; et al: comparison of conventional and computed arthrotomography with MR imaging in the evaluation of the shoulder, JCAT 1989; **13:** 968
Habibian RM See **Vansant JP**
Habrand JL; Austin-Seymour M; Birnbaum S; et al: neurovisual outcome following proton radiation therapy, Int J Radiat Oncol Biol Phys 1989; **16:** 1601
Habrand JL; Gerbaulet A; Pejovic MH; et al: twenty years experience of interstitial iridium brachytherapy in the management of soft tissue sarcomas, Int J Radiat Oncol Biol Phys 1991; **20:** 405
Hachinski VC See **Shuaib A**
Hachitanda Y; Nakagawara A; Ikeda K: unusual anterior chest wall tumor due to actinomycosis in a child, Pediatr Radiol 1989; **20:** 96
Hachiya J See **Araki T**
Hacking G See **Corr P**
Hacking N See **Herbetko J**
Hacking PM See **Blanshard KS**
Hackl A See **Stuecklschweiger GF**
Hackney DB See **Carvlin MJ**
Hackney DB: denominators of spinal cord injury, Radiology 1990; **177:** 18
Hackney DB: skull radiography in the evaluation of acute head trauma: a survey of current practice, Radiology 1991; **181:** 711
Hackshaw BT See **Hewson EG**
Hackspacher J See **Widder B**
Hadar H; Gadoth N; Herskovitz P; et al: short pancreas in polysplenia syndrome, Acta Radiol 1991; **32:** 299
Hadar H; Kornreich L; Heifetz M; et al: air in vagina: indicator of intrapelvic pathology on CT, Acta Radiol 1991; **32:** 170
Hadas I See **Verstandig AG**
Haddad MC See **Sharif HS**
Haddad NG See **Chambers SE**
Haddad NG See **Hoskins PR**
Haddad RC See **Bennett JD**
Hadden TA See **Benzel EC**
Haddock JA See **Moody AR**
Haddon M; Slavin JD; Spencer RP: multiple bone metastases in a patient with glioblastoma multiforme, Clin Nucl Med 1989; **14:** 13
Haddon MJ; Bowen A: bronchopulmonary and neurenteric forms of foregut anomalies: imaging for diagnosis and management, Radiol Clin North Am 1991; **29:** 241
Haddon MJ; Nakayama DK; Oh KS: superior mediastinal widening from traumatic cerebrospinal fluid leak, Pediatr Radiol 1990; **20:** 190
Haden HT; Katz PG; Mulligan T; et al: penile blood flow by xenon-133 washout, J Nucl Med 1989; **30:** 1032
Hadengue A See **Hautekeete ML**
Hadgis C See **Smith JRG**
Hadjian RA See **Burchiel SW**
Hadjigeorgi C; Parpounas C; Zarmakoupis P; et al: eosinophilic granuloma of the temporal bone: radiological approach in the pediatric patient, Pediatr Radiol 1990; **20:** 546
Hadjipavlou A; Lisbona R; Garbuz D; et al: whole body retention of Tc-99m phosphate in Paget's disease of bone, Clin Nucl Med 1991; **16:** 435
Hadley DM See **Macpherson P**
Hadley DM See **Moss JG**
Hadley MN See **Dickman CA**
Hadley SW See **Wilbur DS**
Hadlock FP: computer-assisted, multiple-parameter assessment of fetal age and growth, Semin US CT MR 1989; **10:** 383
Hadlock FP: sonographic estimation of fetal age and weight, Radiol Clin North Am 1990; **28:** 39
Hadlock FP; Harrist RB; Martinez-Poyer J: in utero analysis of fetal growth: a sonographic weight standard, Radiology 1991; **181:** 129
Hadlock FP; Harrist RB; Shah YP; et al: sonographic fetal growth standards: are current data applicable to a racially mixed population?, J Ultrasound Med 1990; **9:** 157
Hafermann MD See **Jones D**
Hafez GR See **Burnstein MI**
Haffty BG; Fischer D; Beinfield M; et al: prognosis following local recurrence in the conservatively treated breast cancer patient, Int J Radiat Oncol Biol Phys 1991; **21:** 293
Haffty BG; Fischer D; Fischer JJ: regional nodal irradiation in the conservative treatment of breast cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 859
Haffty BG; Goldberg NB; Fischer D; et al: conservative surgery and radiation therapy in breast carcinoma: local recurrence and prognostic implications, Int J Radiat Oncol Biol Phys 1989; **17:** 727
Hafner H-P; Müller S; Seelig J: numerical analysis of multislice MR excitation and inversion with multifrequency selective rf pulses, Magn Res Med 1990; **13:** 279
Hafner H-P; Radü E; Seelig J: two-volume acquisition in image-guided proton spectroscopy, Magn Res Med 1990; **15:** 135
Hafner R; Poznanski AK; Donovan JM: ulnar variance in children—standard measurements for evaluation of ulnar shortening in juvenile rheumatoid arthritis, hereditary multiple exostosis and other bone or joint disorders in childhood, Skeletal Radiol 1989; **18:** 513
Hafström L See **Holmberg SB**
Hafström LO See **Tidebrant G**
Haga K See **Okamura S**
Hagans JE See **Pierce WB**
Hagberg H See **Enblad G**
Hagberg H; Pettersson U; Glimelius B; et al: prognostic factors in non-Hodgkin lymphoma stage I treated with radiotherapy, Acta Oncol 1989; **28:** 45
Hagberg HE See **Nyman RS**
Hagberg HE See **Rehn SM**
Hagenauer M; Silberstein EB: detection of clinically occult axillary metastases from breast cancer during stress Tl-201 scintigraphy, Clin Nucl Med 1991; **16:** 520
Hager B See **Watne K**
Hager KH See **Manzi SV**
Hägerstrand I See **Kan Z**
Hägerstrand I See **Riesenfeld V**
Hagert N See **Swobodnik W**
Haggar AM See **Keigley BA**
Haggar AM See **Nghiem HV**
Haggar AM; Windham JP; Reimann DA; et al: eigenimage filtering in MR imaging: an application in the abnormal chest wall, Magn Res Med 1989; **11:** 85
Haggerty MF See **Coughlin WF**
Haggitt RC See **Kimmey MB**
Haghighi P See **Cervilla V**
Haghighi P See **Kang HS**
Haghighi P See **Kjellin I**
Haghighi P See **Schils JP**
Hagler DJ See **Julsrud PR**
Hagve TA See **Jakobsen JA**
Hahn D See **Seiderer M**
Hahn FJ; Witte RJ: CT signs of ascending transtentorial cerebellar herniation, JCAT 1989; **13:** 1091
Hahn P; Shalev S; Viggars D; et al: treatment planning for protocol-based radiation therapy, Int J Radiat Oncol Biol Phys 1990; **18:** 937
Hahn PF See **Fretz CJ**
Hahn PF See **Goldberg MA**
Hahn PF See **Itoh K**
Hahn PF See **Lee MJ**
Hahn PF See **Mueller PR**
Hahn PF See **Rummeny E**
Hahn PF See **Saini S**
Hahn PF See **Steiner E**
Hahn PF: gastrointestinal contrast agents, AJR 1991; **156:** 252
Hahn PF; Girard MJ; Silverman SG; et al: drainage of a malignant common hepatic duct obstruction by a biliary endoprosthesis placed through a T-tube tract: technical note, Gastrointest Radiol 1989; **14:** 238
Hahn PF; Stark DD; Lewis JM; Saini S; Elizondo G; Weissleder R; Fretz CJ; Ferrucci JT: first clinical trial of a new superparamagnetic iron oxide for use as an oral gastrointestinal contrast agent in MR imaging, Radiology 1990; **175:** 695
Hahn PF; Stark DD; Saini S; et al: differential diagnosis of ringed hepatic lesions in MR imaging, AJR 1990; **154:** 287
Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT: clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Radiology 1990; **174:** 361
Hahn RW See **Frederick EE**
Haida M See **Shioya S**
Haider T See **Stordahl A**
Haidet K See **Mitchell DG**
Haidinger D See **Horvath W**
Haidinger D See **Lammer J**
Haie C See **McDonald S**
Haie C; Pejovic-Lenfant MH; George M; et al: whole abdominal irradiation following chemotherapy in patients with minimal residual disease after second look surgery in ovarian carcinoma, Int J Radiat Oncol Biol Phys 1989; **17:** 15
Haie CM See **Gerbaulet AP**
Haigh F; Given-Wilson R: current working practices during pregnancy in British radiologists, Clin Radiol 1991; **44:** 108
Haigh SF See **King SJ**
Haigis W See **Buschmann W**
Haik BG; St. Louis L: radiologic recognition of orbital dacryops, AJNR 1989; **10:** 589
Hailey D See **Crowe BL**
Haim SB See **Front D**
Haimes AB; Zimmerman RD; Morgello S; et al: MR imaging of brain abscesses, AJNR 1989; **10:** 279
Hainau B See **Karstrup S**
Haines GK See **Koch AE**
Hainz A See **Kratzik C**
Haire WD See **Lund GB**
Haire WD; Lieberman RP; Edney J; et al: Hickman catheter-induced thoracic vein thrombosis: frequency and long-term sequelae in patients receiving high-dose chemotherapy and marrow transplantation, (ab), JVIR 1991; **2:** 287
Haire WD; Lynch TG; Lund GB; et al: limitations of magnetic resonance imaging and ultrasound-directed (duplex) scanning in the diagnosis of subclavian vein thrombosis, (ab), JVIR 1991; **2:** 411
Haire WD; Lynch TG; Lund GB; et al: limitations of magnetic resonance imaging and ultrasound-directed (duplex) scanning in the diagnosis of subclavian vein thrombosis, (ab), Radiology 1991; **180:** 887
Hairion D See **Vagner-Capodano AM**
Hajdu SI See **Panicek DM**
Hajek P See **Dock W**
Hajek PC See **Ritschl P**
Hajek PC See **Schurawitzki H**
Hajek PC; Sartoris DJ; Gylys-Morin V; et al: effect of intra-articular gadolinium-DTPA on synovial membrane and cartilage, Invest Radiol 1990; **25:** 179
Hajnal JV See **Doran M**
Hajnal JV See **Young IR**
Hajnal JV; Doran M; Hall AS; et al: MR imaging of anisotropically restricted diffusion of water in the nervous system: technical, anatomic, and pathologic considerations, JCAT 1991; **15:** 1
Haka MS See **Rosenspire KC**
Håkanson R See **Sundler F**
Hakanson S See **Hicken P**
Hakim TS See **Lisbona R**
Haklin MF See **Geremia GK**
Halama JR See **Wagner RH**
Halasz NA See **vanSonnenberg E**
Halbach VV See **Barnwell SL**
Halbach VV See **De Marco JK**
Halbach VV See **Dowd CF**
Halbach VV See **Gaensler EHL**
Halbach VV See **Higashida RT**
Halbach VV See **Yang PJ**
Halbach VV; Higashida RT; Barnwell SL; et al: transarterial platinum coil embolization of carotid-cavernous fistulas, AJNR 1991; **12:** 429
Halbach VV; Higashida RT; Dowd CF; et al: management of vascular perforations that occur during neurointerventional procedures, (ab), JVIR 1991; **2:** 422
Halbach VV; Higashida RT; Dowd CF; et al: management of vascular perforations that occur during neurointerventional procedures, AJNR 1991; **12:** 319
Halbach VV; Higashida RT; Hieshima GB; et al: aneurysms of the petrous portion of the internal carotid artery: results of treatment with endosvascular or surgical occlusion, AJNR 1990; **11:** 253
Halbach VV; Higashida RT; Hieshima GB; et al: direct puncture of the proximally occluded internal carotid artery for treatment of carotid cavernous fistulas, AJNR 1989; **10:** 151
Halbach VV; Higashida RT; Hieshima GB; et al: embolization of branches arising from the cavernous portion of the internal carotid artery, AJNR 1989; **10:** 143
Halbach VV; Higashida RT; Hieshima GB: interventional neuroradiology, AJR 1989; **153:** 467
Halbach VV; Higashida RT; Hieshima GB; et al: transarterial occlusion of solitary intracerebral arteriovenous fistulas, AJNR 1989; **10:** 747

Halbach VV; Higashida RT; Hieshima GB; et al: transvenous embolization of dural fistulas involving the cavernous sinus, AJNR 1989; **10:** 377

Halbach VV; Higashida RT; Hieshima GB; et al: transvenous embolization of dural fistulas involving the transverse and sigmoid sinuses, AJNR 1989; **10:** 385

Halbach VV; Higashida RT; Hieshima GB; et al: treatment of dural fistulas involving the deep cerebral venous system, AJNR 1989; **10:** 393

Halbach VV; Higashida RT; Hieshima GB; et al: venography and venous pressure monitoring in dural sinus meningiomas, AJNR 1989; **10:** 1209

Halberg FE; Fu KK; Weaver KA; et al: combined total body x-ray irradiation and total skin electron beam radiotherapy with an improved technique for mycosis fungoides, Int J Radiat Oncol Biol Phys 1989; **17:** 427

Halberg FE; Wara WM; Fippin LF; et al: low-dose craniospinal radiation therapy for medulloblastoma, Int J Radiat Oncol Biol Phys 1991; **20:** 651

Hald JK See **Nakstad PH**

Hald JK See **Raybaud CA**

Hald JK; Bakke SJ; Nakstad PH; et al: magnetic resonance imaging of an epidural spinal arachnoid cyst, Acta Radiol 1989; **30:** 491

Hald JK; Nakstad PH; Hauglum BE: coronal MR imaging of the normal 3rd, 4th, and 5th lumbar and 1st sacral nerve roots, Acta Radiol 1991; **32:** 210

Hald JK; Nakstad PH; Skjeldal OH; et al: bilateral arachnoid cysts of the temporal fossa in four children with glutaric aciduria type I, AJNR 1991; **12:** 407

Hale J; Laufer I; Ditz BL: effect of changes in imaging technology on dose received by technologists, Radiology 1989; **173:** 576

Hale JC See **Desberg AL**

Hale JD See **Sheldon PE**

Haleem A See **Sharif HS**

Hales ED See **Hoffman CJ**

Halgunset J See **Nordby A**

Halibey D: anterior cruciate ligament, Radiology 1991; **179:** 398

Halilioglu M See **Agildere AM**

Halimi M See **Chavaudra N**

Halimi P See **Sigal R**

Halkar RK See **Khammash NF**

Halkar RK: Budd-Chiari syndrome, Radiology 1989; **172:** 580

Halkar RK; Patel MC; Khammash NF: spindle cell sarcoma showing concentration of Tc-99m sodium pertechnetate and Tc-99m (V) DMSA, Clin Nucl Med 1990; **15:** 126

Halkier BK; Ho C-S; Yee ACN: percutaneous feeding gastrostomy with the Seldinger technique: review of 252 patients, Radiology 1989; **171:** 359

Hall AS See **Hajnal JV**

Hall AS See **Young IR**

Hall AS; Alford NM; Button TW; et al: use of high temperature superconductor in a receiver coil for magnetic resonance imaging, Magn Res Med 1991; **20:** 340

Hall AS; Collins AG; Bryant DJ; et al: use of solvent suppression technique to enhance changes due to susceptibility variations in magnetic resonance imaging, Magn Res Med 1989; **9:** 411

Hall AS; Prior MV; Hand JW; et al: observation by MR imaging of in vivo temperature changes induced by radio frequency hyperthermia, JCAT 1990; **14:** 430

Hall C See **Woodhead P**

Hall CM See **Gwyther SJ**

Hall CM See **Kingston HM**

Hall CM See **Younger KA**

Hall D See **Shin JH**

Hall DA See **Kopans DB**

Hall DA See **Lechner GL**

Hall DA See **Schaefer CM**

Hall EC See **Morrissy RT**

Hall EJ See **Brenner DJ**

Hall EJ: AAPM tutorial: scientific view of low-level radiation risks, Radiographics 1991; **11:** 509

Hall EJ: from chimney sweeps to oncogenes: the quest for the causes of cancer, Radiology 1991; **179:** 297

Hall EJ; Hei TK: oncogenic transforming potential of nitroimidazole radiosensitizers, Int J Radiat Oncol Biol Phys 1989; **16:** 1231

Hall FM See **Pisano ED**

Hall FM: academic radiology and research, Radiology 1990; **177:** 286

Hall FM: breast microcalcifications after lumpectomy and radiation therapy, Radiology 1989; **172:** 577

Hall FM: circumscribed intraductal carcinoma of the breast, Radiology 1989; **172:** 579

Hall FM: clinical history, radiographic reporting, and defensive radiologic practice, Radiology 1989; **170:** 575

Hall FM: efficacy studies of new imaging modalities, Radiology 1989; **171:** 287

Hall FM: follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Radiology 1989; **173:** 284

Hall FM: immediate postoperative mammogram for failed surgical excision of breast lesions, Radiology 1991; **180:** 19

Hall FM: magnification spot compression of the breast, Radiology 1989; **173:** 284

Hall FM: mammographic reports and surgical referrals, Radiology 1989; **171:** 876

Hall FM: mammographic second opinions prior to biopsy of nonpalpable breast lesions, (ab), Radiology 1990; **176:** 588

Hall FM: routine upper gastrointestinal examination, Radiology 1989; **171:** 283

Hall FM: sonography of the shoulder, Radiology 1989; **173:** 310

Hall FM: when is it malpractice to miss breast cancer on mammograms?, Radiology 1990; **176:** 876

Hall FM: wrist arthrography, Radiology 1990; **175:** 585

Hall FM; Turkel D: case report 526, Skeletal Radiol 1989; **18:** 127

Hall HS See **Lamont AC**

Hall J See **Gibby WA**

Hall JN See **McNeill GC**

Hall JT; Kim EE; Charnsangavej C; et al: variable patterns of technetium-99m MAA perfusion in the therapeutically embolized liver, J Nucl Med 1989; **30:** 1012

Hall K See **Dawes PJDK**

Hall LD See **Jayasundar R**

Hall LD See **Rösch J**

Hall LD See **Webb AG**

Hall LD See **Williams SCR**

Hall M See **Avni EF**

Hall ML; Heavens J; Cullum ID; et al: range of bone density in normal British women, Br J Radiol 1990; **63:** 266

Hall P; Holm L-E; Lundell G: second primary tumors following thyroid cancer: a Swedish record-linkage study, Acta Oncol 1990; **29:** 869

Hall RC; Inman BC; Chen TB; Sobat WS: gallbladder ablation: need for a better model, Radiology 1989; **173:** 578

Hall RI; Denyer ME; Chapman AH: palliation of obstructive jaundice with a biliary endoprosthesis. comparison of insertion by the percutaneous-transhepatic and the combined percutaneous-endoscopic routes, Clin Radiol 1989; **40:** 186

Hall S; Westrich C; Steinfeld AD: radiation therapy and you, Radiographics 1990; **10:** 28

Hall S; Westrich C; Steinfeld AD: radiation therapy and you, Radiology 1990; **174:** 472

Hall TR; McDiarmid SV; Grant EG; et al: false-negative duplex Doppler studies in children with hepatic artery thrombosis after liver transplantation, AJR 1990; **154:** 573

Halla JT; Bliznak J; Hardin JG; et al: septic arthritis of the C1-C2 lateral facet joint and torticollis: pseudo-Grisel's syndrome, (ab), Radiology 1991; **180:** 295

Hallahan DE See **Farah R**

Hallahan DE; Beckett MA; Kufe D; et al: interaction between recombinant human tumor necrosis factor and radiation in 13 human tumor cell lines, Int J Radiat Oncol Biol Phys 1990; **19:** 69

Hallahan DE; Farah R; Vokes EE; et al: patterns of failure in patients with pathological stage I and II diffuse histiocytic lymphoma treated with radiation therapy alone, Int J Radiat Oncol Biol Phys 1989; **17:** 767

Hallahan DE; Michel AG; Halpern HJ; et al: breast conserving surgery and definitive irradiation for early stage breast cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 1211

Hallam LA See **McAteer EJ**

Hallam MJ; Reid JM; Cooperberg PL: color-flow Doppler and conventional duplex scanning of the carotid bifurcation: prospective, double-blind, correlative study, AJR 1989; **152:** 1101

Hallberg M See **Nyman R**

Hall-Craggs MA See **Finn JP**

Hall-Craggs MA See **Gibson JM**

Hall-Craggs MA See **Ng YY**

Hall-Craggs MA See **Shepherd JK**

Hall-Craggs MA; Finn JP; Malone M; et al: 4-S neuroblastoma on high field MR, Pediatr Radiol 1989; **20:** 124

Hall-Craggs MA; Harbord MG; Finn JP; et al: Aicardi syndrome: MR assessment of brain structure and myelination, AJNR 1990; **11:** 532

Hall-Craggs MA; Shaw D; Pritchard J; et al: metastatic neuroblastoma: new abnormalities on bone scintigraphy may not indicate tumour recurrence, Skeletal Radiol 1990; **19:** 33

Hallel T See **Lidor C**

Haller DG See **Whittington R**

Haller J See **Chen C**

Haller J See **Kang HS**

Haller J See **Kindynis P**

Haller J See **Mostbeck GH**

Haller J See **Velazquez M**

Haller J; André MP; Resnick D; et al: detection of thoracolumbar vertebral body destruction with lateral spine radiography: part I: investigation in cadavers, Invest Radiol 1990; **25:** 517

Haller J; André MP; Resnick D; et al: detection of thoracolumbar vertebral body destruction with lateral spine radiography: part II: clinical investigation with computed tomography, Invest Radiol 1990; **25:** 523

Haller J; Greenway G; Resnick D; Kindynis P; Kang HS: intraosseous fat necrosis associated with acute pancreatitis: MR imaging, Radiology 1989; **173:** 193

Haller J; Kindynis P; Resnick D; et al: fatigue fracture of the sacrum: a case report, J Canad Assoc Radiol 1989; **40:** 277

Haller J; Resnick D; Greenway G; et al: juxtaacetabular ganglionic (or synovial) cysts: CT and MR features, JCAT 1989; **13:** 976

Haller J; Resnick D; Miller CW; Schils JP; Kerr R; Bielecki D; Sartoris DJ; Gundry CR: diffuse idiopathic skeletal hyperostosis: diagnostic significance of radiographic abnormalities of the pelvis, Radiology 1989; **172:** 835

Haller J; Tscholakoff D; Gundry CR; et al: sonography of unusual extratesticular lesions, Urol Radiol 1989; **11:** 190

Haller JA Jr; Scherer LR; Turner CS; et al: evolving management of pectus excavatum based on a single institutional experience of 664 patients, (ab), Radiology 1989; **173:** 888

Haller JO See **Cohen HL**

Haller JO See **Fogarty K**

Haller JO See **Giuliano CT**

Haller JO See **Malzberg MS**

Haller JO See **Mantello MT**

Haller JO See **O'Malley BM**

Haller JO See **Rizzo AJ**

Haller JO See **Robinson JD**

Haller JO See **Rosenfield NS**

Haller JO See **Roshkow JE**

Haller JO See **Shatzkes DR**

Haller JO See **Slovis TL**

Haller JO See **Torrisi JM**

Haller JO; Condon VR; Berdon WE; Oh KS; Price AP; Bowen A; Cohen HL: spontaneous perforation of the common bile duct in children, Radiology 1989; **172:** 621

Haller JS See **Numaguchi Y**

Hallesy D See **Nyberg DA**

Hallett JW Jr; Wolk SW; Cherry KJ Jr; et al: femoral neuralgia syndrome after arterial catheter trauma, (ab), Radiology 1990; **177:** 894

Hallgren SE See **Hopper KD**

Halliday HL; McCord FB; McClure BG; et al: acute effects of instillation of surfactant in severe respiratory distress syndrome, (ab), Radiology 1989; **172:** 887

Hallinan JM See **Perry RD**

Hallinan JM See **Shnier R**

Hallisey MJ See **Abdullah DC**

Hallisey MJ See **Goldberg MA**

Hallisey MJ; Caride VJ: single perfusion defect secondary to intrathoracic kidney, Clin Nucl Med 1990; **15:** 523

Hallisey MJ; Nelson MC; Muraki A; et al: case report 547, Skeletal Radiol 1989; **18:** 314

Halliwell M; Jenkins D; Jackson PC; et al: new scans from old: digital reformatting of ultrasound images, Br J Radiol 1989; **62:** 824

Hallman GL See **Lopez-Velarde P**

Halloran J See **Yedlicka JW Jr**

Halls JM See **Jensen MC**

Halls SB See **Friedman L**

Hallstone A; Triadafilopoulos G: "spontaneous sump syndrome": successful treatment with duodenoscopic sphincterotomy, (ab), JVIR 1991; **2:** 419

Halme A; Kellokumpu-Lehtinen P; Lehtonen T: trends in incidence and results of treatment of testicular germ cell tumours in Finland 1972–1983, Acta Oncol 1989; **28:** 777

Halperin EC; Bentel G; Heinz ER; et al: radiation therapy treatment planning in supratentorial glioblastoma multiforme: an analysis based on post mortem topographic anatomy with CT correlations, Int J Radiat Oncol Biol Phys 1989; **17:** 1347

Halpern EF See **Grabowski EF**

Halpern EJ; Levy HM; Newhouse JH; et al: quadtree-based data compression of abdominal CT images, Invest Radiol 1990; **25:** 31

Halpern EJ; Newhouse JH; Amis ES; Levy HM; Lubetsky HW: evaluation of a quadtree-based compression algorithm with digitized urograms, Radiology 1989; **171:** 259

Halpern EJ; Premkumar A; Mullen DJ; et al: application of region of interest definition to quadtree-based compression of CT images, Invest Radiol 1990; **25:** 703
Halpern HJ See Hallahan DE
Halpern HJ See Kolker JD
Halpern J; McNeese MD; Kroll SS; et al: irradiation of prosthetically augmented breasts: a retrospective study on toxicity and cosmetic results, Int J Radiat Oncol Biol Phys 1990; **18:** 189
Halpern J; Maor MH; Hussey DH; et al: locally advanced breast cancer treated with neutron beams: long-term follow-up in 28 patients, Int J Radiat Oncol Biol Phys 1990; **18:** 825
Halpert RD See Goodman P
Halpert RD; Crnkovich FM; Schreiber MH: rectal diverticulosis: a case report and review of the literature, Gastrointest Radiol 1989; **14:** 274
Halpin S See Ng YY
Halpin SFS See Ward CS
Halpin SFS; Britton J; Wilkins P; et al: intradiploic meningiomas: a radiological study of two cases confirmed histologically, Neuroradiol 1991; **33:** 247
Halton K See Hermann G
Halton KP See Shapiro RS
Halton KP See Yeh H-C
Halttunen EA See Taskinen SO
Haluszka MM See Burks DD
Halverson KJ See Fields JN
Halverson KJ; Perez CA; Kuske RR; et al: isolated local-regional recurrence of breast cancer following mastectomy: radiotherapeutic management, Int J Radiat Oncol Biol Phys 1990; **19:** 851
Halvorsen RA See Nobrega J
Halvorsen RA See Siegle RL
Halvorsen RA Jr See Aafedt BC
Halvorsen RA Jr See Adkins MC
Halvorsen RA Jr See duCret RP
Halvorsen RA Jr See Yueh N
Halvorsen RA Jr: sectional human anatomy correlated with CT and MRI. 2nd ed, Radiology 1991; **178:** 180
Halvorsen RA Jr; duCret RP; Kuni CC; et al: obliterative bronchiolitis following lung transplantation diagnostic utility of aerosol ventilation lung scanning and high resolution CT, Clin Nucl Med 1991; **16:** 256
Halvorsen RA Jr; Panushka C; Oakley GJ; et al: intraperitoneal contrast material improves the CT detection of peritoneal metastases, AJR 1991; **157:** 37
Halvorsen RA Jr; Ribeiro A; Blinder R; et al: magnetic resonance spectroscopy of bile: in vitro stability over time and component identity, Invest Radiol 1989; **24:** 903
Halvorsen RA Jr; Thompson WM: CT of esophageal neoplasms, Radiol Clin North Am 1989; **27:** 667
Halvorsen RA Jr; Thompson WM: gastrointestinal cancer: diagnosis, staging, and the follow-up role of imaging, Semin US CT MR 1989; **10:** 467
Ham H See Denays R
Ham HR See Franken PR
Ham HR See Piepsz A
Ham HR See Roland J
Ham HR See Rubinstein M
Ham HR See Tondeur M
Ham HR; Piepsz A: estimation of glomerular filtration rate in infants and in children using a single-plasma sample method, J Nucl Med 1991; **32:** 1294
Hamad MM See Nawaz MK
Hamad N; Pichard AD; Lyle HRP; et al: results of percutaneous transluminal coronary angioplasty by multiple, relatively low frequency operators: 1986–1987 experience, (ab), Radiology 1989; **170:** 292
Hamada S See Nishimura T
Hamada S See Takashima S
Hamada T See Matsumoto F
Hamamoto K See Itoh H
Hamanaka D See Hayakawa K
Hamano K; Iwasaki N; Kawashima K; et al: volumetric quantification of brain volume in children using sequential CT scans, Neuroradiol 1990; **32:** 300
Hamato N See Tamada T
Hambley PS See Brown HK
Hambraeus G See Samuelsson L
Hambraeus GM See Albertsson M
Hamburger C See Bruhn H
Hames TK See Soul FJ
Hamill JJ See DeVito RP
Hamilton A See Kinsella D
Hamilton CR; Pinkerton R; Horwich A: management of paratesticular rhabdomyosarcoma, Clin Radiol 1989; **40:** 314
Hamilton CS; Denham JW: cure of primary prostate cancer by radiotherapy—high-tech quest for a non-existent grail?, Australas Radiol 1990; **34:** 5
Hamilton CS; Joseph DJ; Skov A; et al: CT scanning for definitive radiotherapy planning of prostate cancer: necessity or nicety?, Australas Radiol 1990; **34:** 288
Hamilton CS; Nield JM; Adler GF; et al: breast appearance and function after breast conserving surgery and radiotherapy, Acta Oncol 1990; **29:** 291
Hamilton CS; Nield JM; Adler GF; et al: results of breast conserving treatment of breast cancer, Acta Oncol 1990; **29:** 137
Hamilton G See Dawson KJ
Hamilton G See Stansby G
Hamilton G: simple method of prducing diagnostic copies from overexposed radiographs, J Canad Assoc Radiol 1991; **42:** 216
Hamilton G: zero-added-dose gastrointestinal film studies, J Canad Assoc Radiol 1989; **40:** 203
Hamilton P See Arenson AM
Hamilton PA See Samuels TH
Hamilton PA See Towers MJ
Hamilton S; Leahy AL; Darzi A; et al: biliary intervention via minicholecystostomy, Clin Radiol 1990; **42:** 418
Hamilton SR; Smith RRL; Cameron JL: prevalence and characteristics of Barrett esophagus in patients with adenocarcinoma of the esophagus or esophagogastric junction, (ab), Radiology 1989; **170:** 286
Hamilton WP See Hsia J
Hamilton-Wood C See Pang JA
Hamilton-Wood C See Price J
Hamm B See Hricak H
Hamm B See Lee MJ
Hamm B See Saini S
Hamm B: nonneurologic applications, AJR 1991; **156:** 245
Hamm B; Fischer E; Taupitz M: differentiation of hepatic hemangiomas from metastases by dynamic contrast-enhanced MR imaging, JCAT 1990; **14:** 205
Hamm JR See Pan JW
Hammar SP See Moore ADA
Hammarberg K See Enk L
Hammer B See Witzmann A
Hammer BE: physical properties of tissues, Radiology 1991; **181:** 128
Hammer BE; Sacks W; Bigler RE; et al: design of a $^{13}C[^{1}H]$ RF probe for monitoring the *in vivo* metabolism of [1-^{13}C]glucose in primate brain, Magn Res Med 1990; **13:** 1
Hammer J; Hawliczek R; Kircher KH; et al: new spacing material for interstitial implantation of radioactive seeds, Int J Radiat Oncol Biol Phys 1989; **16:** 259
Hammerman AM See Root JD
Hammerman AM; Kotner LM Jr; Doyle TB: periportal contrast enhancement on CT scans of the liver, AJR 1991; **156:** 313
Hammerman AM; Mirowitz SA; Susman N: gastric air–fluid sign: aid in CT assessment of gastric wall thickening, Gastrointest Radiol 1989; **14:** 109
Hammerman AM; Oberle PA; Susman N: opacification of ascitic fluid on delayed contrast computed tomography scans, Clin Imag 1990; **14:** 221
Hammerman AM; Shady K; Fry R; et al: postgastrostomy tube deformity on upper GI series, Gastrointest Radiol 1991; **16:** 13
Hammerman AM; Susman N; Strzembosz A; et al: extrapleural fat sign: CT characteristics, JCAT 1990; **14:** 345
Hammersley JR; Grum CM; Green RA: correlation of subcarinal density visualized on plain chest roentgenograms with computed tomographic scans, (ab), Radiology 1990; **177:** 291
Hammond DI See Rasuli P
Hammond DI; Kotwall ZA; Walop W; et al: appraisal of pelvic ultrasound: a survey of gynecologists, J Canad Assoc Radiol 1989; **40:** 308
Hamper UM See Kuhlman JE
Hamper UM See Savader BL
Hamper UM See Scatarige JC
Hamper UM See Sheth S
Hamper UM; Epstein JI; Sheth S; et al: cystic lesions of the prostate gland: a sonographic-pathologic correlation, J Ultrasound Med 1990; **9:** 395
Hamper UM; Savader BL; Sheth S: improved needle-tip visualization by color Doppler sonography, AJR 1991; **156:** 401
Hamper UM; Sheth S; Walsh PC; et al: carcinoma of the prostate: value of transrectal sonography in detecting extension into the neurovascular bundle, AJR 1990; **155:** 1015
Hamper UM; Sheth S; Walsh PC; Epstein JI: bright echogenic foci in early prostatic carcinoma: sonographic and pathologic correlation, Radiology 1990; **176:** 339
Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI: capsular transgression of prostatic carcinoma: evaluation with transrectal US with pathologic correlation, Radiology 1991; **178:** 791
Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI: stage B adenocarcinoma of the prostate: transrectal US and pathologic correlation of nonmalignant hypoechoic peripheral zone lesions, Radiology 1991; **180:** 101
Hampf FE Jr See Braden GL
Hamrick KM See Kenney PJ
Hamrick KM; Tishler JM; Schwartz ML; et al: CT findings in pseudomembranous colitis, Comput Med Imag Graph 1989; **13:** 343
Hamza HM See Ahmed A
Hamza MR See Gad-El-Mawla N
Han BK See Babcock DS
Han BK See Matsumoto J
Han BK See Stalker HP
Han BK; Babcock DS; Oestreich AE: normal thymus in infancy: sonographic characteristics, Radiology 1989; **170:** 471
Han BK; Towbin RB; De Courten-Myers G; et al: reversal sign on CT: effect of anoxic/ischemic cerebral injury in children, AJNR 1989; **10:** 1191
Han BK; Towbin RB; De Courten-Myers G; et al: reversal sign on CT: effect of anoxic/ischemic cerebral injury in children, AJR 1990; **154:** 361
Han CH See Lee KS
Han JK See Choi BI
Han JK See Im J-G
Han JK See Park JH
Han JS See Kim SH
Han MC See Choi BI
Han MC See Im J-G
Han MC See Kim SH
Han MC See Park JH
Han MC See Park JM
Han MH See Chang KH
Han MH See Suh DC
Han MH; Chang KH; Lee CH; et al: sinonasal psammomatoid ossifying fibromas: CT and MR manifestations, AJNR 1991; **12:** 25
Han MH; Jabour BA; Andrews JC; Canalis RF; Chen F-h; Anzai Y; Becker DP; Lufkin RB; Hanafee WN: nonneoplastic enhancing lesions mimicking intracanalicular acoustic neuroma on gadolinium-enhanced MR images, Radiology 1991; **179:** 795
Han NT See Kao CH
Han SS See Agrons GA
Han SY See Kenney PJ
Hanafee WN See Chui L
Hanafee WN See Dresel SHJ
Hanafee WN See Duckwiler GR
Hanafee WN See Han MH
Hanafee WN See Robinson JD
Hanafee WN See Teresi LM
Hanakita J; Suwa H; Ohta F; et al: neuroradiological examination of thoracic radiculo-myelopathy due to ossification of the ligamentum flavum, Neuroradiol 1990; **32:** 38
Hanashiro Y See Ohshiro K
Hanbery JW See McDougall IR
Hanbury DC See Coulden RA
Hand JW See Hall AS
Handa K; Sasaki J; Saku K; et al: alcohol consumption, serum lipids and severity of angiographically determined coronary artery disease, (ab), Radiology 1990; **177:** 292
Handa N See Maeda H
Handa N See Nagasaki A
Handel N See Silverstein MJ
Handler LC; Davey IC; Hill JC; et al: acute orbit: differentiation of orbital cellulitis from subperiosteal abscess by computerized tomography, Neuroradiol 1991; **33:** 15
Handl-Zeller L; Hohenberg G: radiotherapy of Morbus Gorham–Stout: the biological value of low irradiation dose, Br J Radiol 1990; **63:** 206
Handmaker H See Bunker SR
Handy JE; Rose SC; Nieves AS; Johnson RL; Hunter JG; Miller FJ: intraoperative cholangiography: use of portable fluoroscopy and transmitted images, Radiology 1991; **181:** 205
Haney AF See Metzger DA
Haney P See Chow CC
Haney PJ; Yale-Loehr AJ; Nussbaum AR; et al: imaging of infants and children with AIDS, AJR 1989; **152:** 1033
Hangiandreou NJ See Riederer SJ
Hänicke W See Bruhn H
Hänicke W See Merboldt K-D
Hanigan WC; Morgan AM; Stahlberg LK; et al: tentorial hemorrhage associated with vacuum extraction, (ab), Radiology 1990; **177:** 295
Hanissian AS See Tonkin ILD
Hankey GJ; Khangure MS; Spagnolo D; et al: adult onset medulloblastoma cerebelli with leptomeningeal dissemination and coincidental primary hyperparathyroidism, Australas Radiol 1989; **33:** 111
Hankins GDV; Cedars MI: uterine incarceration associated with uterine leiomyomata: clinical and sonographic presentation, JCU 1989; **17:** 385
Hankins JR See Attar S
Hankins JR See Cowley RA
Hankins JR; Miller JE; Salcman M; et al: surgical management of lung cancer with solitary cerebral metastasis, (ab), Radiology 1989; **170:** 583

Hanks GE See **Goldwein JW**
Hanks GE See **Markiewicz D**
Hanks GE See **Montana GS**
Hanks GE See **Soffen EM**
Hanks GE See **Wasserman TH**
Hanks GE: radiotherapy or surgery for prostate cancer? ten and fifteen-year results of external beam therapy, Acta Oncol 1991; **30:** 231
Hanks GE: treatment of locally advanced prostate cancer with radiation therapy, (ab), Radiology 1990; **174:** 292
Hanks GE; Edland RW; Diamond JJ: variation in the technical support of radiation oncology in different practice settings, Int J Radiat Oncol Biol Phys 1989; **16:** 1583
Hanks GE; Martz KL; Krall JM; et al: analysis of independent variables affecting survival after recurrence of prostate cancer, Int J Radiat Oncol Biol Phys 1989; **16:** 1431
Hanley JA: place of statistical methods in radiology (and in the bigger picture), Invest Radiol 1989; **24:** 10
Hanley P See **Locker AP**
Hann H-WL See **Siegelman ES**
Hann L See **Owings DV**
Hann LE; Ducatman BS; Wang HH; Fein V; McIntire JM: nonpalpable breast lesions: evaluation by means of fine-needle aspiration cytology, Radiology 1989; **171:** 373
Hanna JW; Reed JC; Choplin RH: pleural infections: a clinical-radiologic review, J Thorac Imag 1991; **6-3:** 68
Hanna PD See **Maile CW**
Hanna RM See **Szmigielski W**
Hanna S; Helenon O; Legendre C; et al: MR imaging of renal transplant rejection, Acta Radiol 1991; **32:** 42
Hanna SL See **Boulden TF**
Hanna SL See **Brooks MT**
Hanna SL See **Burton EM**
Hanna SL See **Fletcher BD**
Hanna SL See **Magill HL**
Hanna SL See **Seidel FG**
Hanna SL; Fletcher BD; Fairclough DL; et al: magnetic resonance imaging of disseminated bone marrow disease in patients treated for malignancy, Skeletal Radiol 1991; **20:** 79
Hanna SL; Fletcher BD; Parham DM; Bugg MF: muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, JMRI 1991; **1:** 441
Hanna SL; Langston JW; Gronemeyer SA: value of subtraction images in the detection of hemorrhagic brain lesions on contrast-enhanced MR images, AJNR 1991; **12:** 681
Hanna SL; Lemmi MA; Langston JW; Fontanesi J; Brooks HL Jr; Gronemeyer SA: treatment of choroidal melanoma: MR imaging in the assessment of radioactive plaque position, Radiology 1990; **176:** 851
Hanna SL; Magill HL; Brooks MT; Burton EM; Boulden TF; Seidel FG: pediatric case of the day, Radiographics 1990; **10:** 945
Hanna SM See **Cornud FE**
Hannan MT; Felson DT; Anderson JJ; et al: estrogen use and radiographic osteoarthritis of the knee in women: the Framingham Osteoarthritis Study, (ab), Radiology 1990; **177:** 294
Hannequin P See **Liehn JC**
Hanner JS See **Drane WE**
Hannerz L; Wikstad I; Celsi G; et al: influence of vesicoureteral reflux and urinary tract infection on renal growth in children with upper urinary tract duplication, Acta Radiol 1989; **30:** 391
Hannigan J See **Levin VA**
Hannisdal E See **Engan T**
Hannisdal E; Solheim ØP; Theodorsen L; et al: alterations of blood analyses at relapse of osteosarcoma and Ewing's sarcoma, Acta Oncol 1990; **29:** 585
Hanno P See **McCarthy P**
Hans B; Hans SS; Mittal VK; Khan TA; Patel N; Dahn MS: renal functional response to dopamine during and after arteriography in patients with chronic renal insufficiency, Radiology 1990; **176:** 651
Hans SS See **Hans B**
Hansell DM See **Aberle DR**
Hansell DM See **Plant GR**
Hansell DM; Moskovic E: high-resolution computed tomography in extrinsic allergic alveolitis, Clin Radiol 1991; **43:** 8
Hansell DM; Strickland B: high-resolution computed tomography in pulmonary cystic fibrosis, Br J Radiol 1989; **62:** 1
Hansen AK; Bille S; Nielsen PH; et al: profundaplasty as the only reconstructive procedure in patients with severe ischemia of the lower extremity, (ab), JVIR 1990; **1:** 136
Hansen EC; Hawkins MC; Hawkins IF Jr; Akins EW; Miles SG; Collela JP: new high-flow "cloud" catheter for safer delivery of contrast material, Radiology 1989; **173:** 461
Hansen ES; Hjortdal VE; Kjølseth D; et al: technetium 99m diphosphonate uptake and intraosseous hemodynamics during venous congestion in bone: knee joint tamponade studies in immature dogs, Skeletal Radiol 1991; **20:** 159
Hansen GC See **Ragavendra N**
Hansen HH See **Brixen K**
Hansen HS See **Keldsen N**
Hansen HS See **Lindeløv B**
Hansen HS See **Overgaard J**
Hansen KJ; Tribble RW; Reavis SW; et al: renal duplex sonography: evaluation of clinical utility, (ab), Radiology 1991; **178:** 897
Hansen MA; Hassager C; Overgaard K; et al: dual-energy x-ray absorptiometry: a precise method of measuring bone mineral density in the lumbar spine, J Nucl Med 1990; **31:** 1156
Hansen ME; Coleman RE: scintigraphic demonstration of gastrointestinal bleeding due to mesenteric varices, Clin Nucl Med 1990; **15:** 488
Hansen ME; Spritzer CE; Sostman HD: assessing the patency of mediastinal and thoracic inlet veins: value of MR imaging, AJR 1990; **155:** 1177
Hansen O See **Pfeiffer P**
Hansen PV See **Horsman MR**
Hansen PV; Sørensen D: effect of vincristine or bleomycin on radiation-induced cell killing of mice spermatogonial stem cells: the importance of sequence and time interval, Int J Radiat Oncol Biol Phys 1991; **20:** 339
Hansen RM: protracted intravenous infusion of 5-fluorouracil in combination treatments: a review, Acta Oncol 1991; **30:** 7
Hansen TN See **Martin CG**
Hanson DP See **Robb RA**
Hanson G See **Viamonte M**
Hanson GP See **Nofal M**
Hanson GP See **Svensson H**
Hanson GP; Stjernswärd J; Nofal M; et al: overview of the situation in radiotherapy with emphasis on the developing countries, Int J Radiat Oncol Biol Phys 1990; **19:** 1257
Hanson ME See **Tait WH**
Hanson MW See **Coleman RE**
Hanson MW; Coleman RE: pulmonary nuclear medicine evaluation of thromboembolic disease, J Thorac Imag 1989; **4-4:** 40
Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE: carcinoid tumors: iodine-131 MIBG scintigraphy, Radiology 1989; **172:** 699
Hanson RE See **Gardner DJ**
Hanson S; Jodal U; Norén L; et al: untreated bacteriuria in asymptomatic girls with renal scarring, (ab), Radiology 1990; **175:** 887
Hanson WA See **Saloner D**
Hanssen LE; Schrumpf E; Jacobsen MB; et al: extended experience with recombinant α-2b interferon with or without hepatic artery embolization in the treatment of midgut carcinoid tumours: a preliminary report, Acta Oncol 1991; **30:** 523
Hanssen LE; Schrumpf E; Kolbenstvedt AN; et al: recombinant α-2 interferon with or without hepatic artery embolization in the treatment of midgut carcinoid tumours: a preliminary report, Acta Oncol 1989; **28:** 439
Hanssens M See **Ardies P**
Hansson B See **Axelsson B**
Hansson L-E See **Lundegårdh G**
Hansson L-G; Westesson P-L; Katzberg RW; et al: MR imaging of the temporomandibular joint: comparison of images of autopsy specimens made at 0.3 T and 1.5 T with anatomic cryosections, AJR 1989; **152:** 1241
Haot J; Bogomoletz WV; Jouret A; et al: Ménétrier's disease with lymphocytic gastritis: an unusual association with possible pathogenic implications, (ab), Radiology 1991; **181:** 290
Haponik EF See **Ely EW**
Happak W See **Dock W**
Haq N See **Husein AMA**
Haque AK: pathology and pathophysiology of mycobacterial infections, J Thorac Imag 1990; **5-2:** 8
Hara N; Koike T; Akiyama K; et al: anomalous origin of anterior choroidal artery, Neuroradiol 1989; **31:** 88
Harada K See **Fujita N**
Harada K See **Kumasaka Y**
Harada K See **Takashima S**
Harada K See **Uyama T**
Harada K See **Yamauchi H**
Harada M See **Dohmen K**
Harada SK See **Haug PJ**
Harada T See **Katagiri M**
Harada T; Kigure T; Kumazaki T; et al: intraoperative real-time ultrasonic scanning for microwave coagulation of the prostate, Urol Radiol 1990; **12:** 45
Haramati LB; Austin JHM: complications after CT-guided needle biopsy through aerated versus nonaerated lung, Radiology 1991; **181:** 778
Harari PM; Fuller DJM; Carper SW; et al: polyamine biosynthesis inhibitors combined with systemic hyperthermia in cancer therapy, Int J Radiat Oncol Biol Phys 1990; **19:** 89
Harari PM; Fuller DJM; Gerner EW: heat shock stimulates polyamine oxidation by two distinct mechanisms in mammalian cell cultures, Int J Radiat Oncol Biol Phys 1989; **16:** 451
Harari PM; Hynynen KH; Roemer RB; et al: development of scanned focussed ultrasound hyperthermia: clinical response evaluation, Int J Radiat Oncol Biol Phys 1991; **21:** 831
Haratake J See **Kitagawa K**
Harbord MG See **Hall-Craggs MA**
Harbour R See **El Gammal T**
Harbury OL: generalized seizure after IV administration of gadopentetate dimeglumine, AJNR 1991; **12:** 666
Harcke HT See **Lee MS**
Harcke HT See **Mandell GA**
Harcke HT; Grissom LE: performing dynamic sonography of the infant hip, AJR 1990; **155:** 837
Harcourt-Webster JN See **Connolly GM**
Hardcastle JD See **Stehling MK**
Hardcastle MP See **Jackson A**
Hardeman SW; Causey JQ; Hickey DP; et al: transrectal ultrasound for staging prior to radical prostatectomy, (ab), Radiology 1990; **175:** 589
Harder T See **Kreft B**
Hardin CW See **Hutchins LG**
Hardin CW See **Larsson E-M**
Hardin G See **Harper MC**
Hardin JG See **Halla JT**
Harding CT See **Bligh SWA**
Harding L See **Rothbart R**
Harding M; Dall B; Corbett R; et al: does lymphangiography have any role in the management of early non-seminomatous germ cell tumours?, Clin Radiol 1990; **41:** 392
Hardoff D See **Hardoff R**
Hardoff R See **Gips S**
Hardoff R See **Israel O**
Hardoff R; Baron E: scintigraphic demonstration of ectopic autonomously functioning thyroid adenoma with normal cervical thyroid, Clin Nucl Med 1990; **15:** 190
Hardoff R; Eisenberg D; Gross B: bone scintigraphy in polyostotic fibrous dysplasia resembling multiple bone metastases, Clin Nucl Med 1989; **14:** 928
Hardoff R; Gips S; Bursztein de Myttenaere S: 'surgical parotitis' demonstrated by Ga-67 scintigraphy in critically ill patients, Clin Nucl Med 1991; **16:** 187
Hardoff R; Gips S; Front A: diffuse jaw uptake: an unusual finding in neurofibromatosis, Clin Nucl Med 1991; **16:** 527
Hardoff R; Gips S; Meyer VS; et al: cervico-facial actinomycosis evaluated by multiple imaging studies, Clin Nucl Med 1989; **14:** 216
Hardoff R; Gips S; Milman U; et al: atypical scintigraphic pattern of liver hemangioma, Clin Nucl Med 1989; **14:** 376
Hardoff R; Greenberg E; Baron E; et al: transient decrease in I-131 and Tc-99m thyroid uptake after neck trauma, Clin Nucl Med 1989; **14:** 850
Hardoff R; Hardoff D: scintigraphic evaluation of septated hypokinetic gallbladder in a teenager, Clin Nucl Med 1990; **15:** 117
Hardoff R; Luboshitzky R: transient cold nodule of the thyroid due to localized subacute thyroiditis, Clin Nucl Med 1989; **14:** 919
Hardoff R; Nachtigal D: unilateral gallium-67 uptake in submandibular salivary gland following sialography, Clin Nucl Med 1989; **14:** 65
Hardoff R; Quitt M; Agahai E: gastric visualization by Ga-67 scintigraphy and coarse gastric mucosa in a patient with Hodgkin's disease in remission, Clin Nucl Med 1991; **16:** 124
Hardoff R; Rudoy J; Gips S; et al: giant tumoral calcinosis demonstrated by bone scintigraphy, Clin Nucl Med 1991; **16:** 279
Hardy C See **Kersting-Sommerhoff BA**
Hardy CJ See **Bottomley PA**
Hardy CJ See **Cline HE**
Hardy CJ See **Pearlman JD**
Hardy CJ; Bottomley PA: ^{31}P spectroscopic localization using pinwheel NMR excitation pulses, Magn Res Med 1991; **17:** 315
Hardy DC See **Wilson AJ**
Hardy DC; Murphy WA; Siegel BA; Reid IR; Whyte MP: x-linked hypophosphatemia in adults: prevalence of skeletal radiographic and scintigraphic features, Radiology 1989; **171:** 403

Hardy G See **Butt WP**
Hardy JR See **Olliff JFC**
Hardy KA See **Lynch DA**
Hardy PA See **Bristow RG**
Hardy PA See **Chen JC**
Hardy PA; Bronskill MJ; Belanger M-J; Henkelman RM: use of magnetic particles for sensitizing MR images to blood flow, JMRI 1991; **1:** 431
Hardy PA; Henkelman RM: on the transverse relaxation rate enhancement induced by diffusion of spins through inhomogeneous fields, Magn Res Med 1991; **17:** 348
Hardy PA; Kucharczyk W; Henkelman RM: cause of signal loss in MR images of old hemorrhagic lesions, Radiology 1990; **174:** 549
Hare WSC See **Budd RS**
Hare WSC See **Tress BM**
Hårer W See **Moshage W**
Harfi H See **Hugosson C**
Hargreave TB See **Howard GCW**
Haria CD See **Marmolya G**
Harigaya K See **Santucci MA**
Harik SI See **Masaryk TJ**
Harill CD; Kopecky KK; Weaver SR; et al: magnetic resonance imaging in the preoperative assessment of clinical stage I endometrial carcinoma, Comput Med Imag Graph 1990; **14:** 191
Harinarayana CV; Renu G; Amini AC; et al: computed tomography in untreated congenital adrenal hyperplasia, Pediatr Radiol 1991; **21:** 103
Harinstein D; Buckingham RB; Braun T; et al: systemic joint laxity (the hypermobile joint syndrome) is associated with temporomandibular joint dysfunction, (ab), Radiology 1989; **172:** 294
Harju A See **Farin PU**
Harkavy L See **Rubenstein DJ**
Harker C See **vanSonnenberg E**
Hårle A See **Wuisman P**
Harle T See **Stark P**
Harle TS See **Truwit CL**
Harley J See **Rees D**
Harley NH See **Hart BL**
Harlow BL See **Benacerraf BR**
Harlow BL See **Bromley B**
Harman JT; Becker GJ: thrombin-soaked coils: estimation of thrombin dose, JVIR 1991; **2:** 166
Harman SA; Pribram H: case report 586, Skeletal Radiol 1990; **19:** 212
Harmer CL See **O'Connell MEA**
Harmon B: deep vein thrombosis: a perspective on anatomy and venographic analysis, J Thorac Imag 1989; **4-4:** 15
Harmon BH See **Ferris EJ**
Harmon BH See **Murphy JS**
Harmon BH; Schertz LD; Shah HR: sixty-year-old male with weight loss and abdominal mass, Invest Radiol 1990; **25:** 754
Harmon BH; Yap MA: one-month-old infant with increasing head size, Invest Radiol 1990; **25:** 862
Harmon SP: granulomatous vasculitides of the lung: a clinicopathologic approach to diagnosis and treatment, Radiology 1989; **173:** 450
Harms GF See **Swensen SJ**
Harms SE See **Pierce WB**
Harms SE See **Runge VM**
Harms SE See **Sherry CS**
Harms SE; Flamig DP; Fisher CF; Fulmer JM: new method for fast MR imaging of the knee, Radiology 1989; **173:** 743
Harms WB; Purdy JA: abutment of high energy electron fields, Int J Radiat Oncol Biol Phys 1991; **20:** 853
Harned RK; Buck JL; Olmsted WW; et al: extracolonic manifestations of the familial adenomatous polyposis syndromes, AJR 1991; **156:** 481
Harner RN See **LaManna MM**
Harnett AN See **Murray PA**
Harnett AN See **Plowman PN**
Harney JV; Wahl RL; Liebert M; et al: uptake of 2-deoxy, 2-(18F) fluoro-D-glucose in bladder cancer: animal localization and initial patient positron emission tomography, (ab), Radiology 1991; **180:** 588
Harnish PP; Krutchen A; Mukherji M: intravascular contrast media and the blood-brain barrier: testing the new nonionic agent ioxilan, Invest Radiol 1989; **24:** 34
Harnish PP; Mukherji M: penetration of vascular contrast media into brain tissue and cerebrospinal fluid: an experimental study in rats, Invest Radiol 1989; **24:** 463
Harnsberger HR See **Babbel RW**
Harnsberger HR See **Crawford SC**
Harnsberger HR See **Davis WL**
Harnsberger HR See **Fruin ME**
Harnsberger HR See **Hutchins LG**
Harnsberger HR See **Osborn AG**
Harnsberger HR See **Parker GD**
Harnsberger HR See **Pollei SR**
Harnsberger HR See **Remley KB**
Harnsberger HR See **Robinson JD**
Harnsberger HR See **Smoker WRK**
Harnsberger HR See **Swartz JD**
Harnsberger HR See **Tryhus MR**
Harnsberger HR See **Vogelzang P**
Harnsberger HR; Dillon WP: radiologic role in diagnosis, staging, and follow-up of neoplasia of the brain, spine, and head and neck, Semin US CT MR 1989; **10:** 431
Harnsberger HR; Osborn AG: differential diagnosis of head and neck lesions based on their space of origin. 1. the suprahyoid part of the neck, AJR 1991; **157:** 147
Harp DL; Schlitt M; Williams JP; et al: brain abscess following dilatation of esophageal stricture, Clin Imag 1989; **13:** 140
Harper AK; Clark JA; Koontz WL; et al: sonographic appearance of fetal extracranial hematoma, J Ultrasound Med 1989; **8:** 693
Harper MC; Hardin G: posterior malleolar fractures of the ankle associated with external rotation with external rotation-abduction injuries: results with and without internal fixation, (ab), Radiology 1989; **171:** 590
Harper RM See **Zhang J**
Harper RR See **Williamson MR**
Harrell JH See **Carlin BW**
Harrell JP See **Kovacs CJ**
Harrell RS See **Fletcher TB**
Harrell RS See **Twickler DM**
Harrelson J See **Leopold KA**
Harrelson JM See **Dewhirst MW**
Harrelson JM See **Martinez S**
Harrelson JM See **Oleson JR**
Harrelson JM See **Speer KP**
Harrigan JT See **Rana J**
Harrill CD See **Jackson VP**
Harrington DP See **Gardiner GA Jr**
Harrington DP See **Mandle CL**
Harrington DP See **Meyerovitz MF**
Harrington FS See **Miller RW**
Harrington ME; Schwartz ME; Sanborn TA; et al: expanded indications for laser-assisted balloon angioplasty in peripheral arterial disease, (ab), Radiology 1990; **176:** 589
Harris C See **Graham LS**
Harris GI See **Clark JF**
Harris GJ See **Erickson SJ**
Harris GR; Stewart HF; Leo FP; Sanders RC: relationship between image quality and ultrasound exposure level in diagnostic US devices, Radiology 1989; **173:** 313
Harris I See **Evans SE**
Harris I See **Lipton ME**
Harris JH Jr See **Burke JT**
Harris JM See **Leslie BM**
Harris JR See **Stomper PC**
Harris JW See **Berson AM**
Harris KG See **Renfrew DL**
Harris KG; Smith TP; Cragg AH; Lemke JH: nephrotoxicity from contrast material in renal insufficiency: ionic versus nonionic agents, Radiology 1991; **179:** 849
Harris KM See **Britton CA**
Harris KM See **Mendelson EB**
Harris KM See **Slasky BS**
Harris KM; Costa-Greco MA; Baratz AB; Britton CA; Ilkhanipour ZS; Ganott MA: mammographic features of the postlumpectomy, postirradiation breast, Radiographics 1989; **9:** 253
Harris MN See **Mitnick JS**
Harris RD See **Chung T**
Harris RD See **Edwards ME**
Harris RD See **Khim A**
Harris RD See **Sueoka BL**
Harris RD; Roberts DW; Cromwell LD: MR imaging of corpus callosotomy, AJNR 1989; **10:** 677
Harris RD; Simpson WA: case report: MRI of splenic hemangioma associated with thrombocytopenia, Gastrointest Radiol 1989; **14:** 308
Harris RD; Simpson WA; Pet LR; Marin-Padilla M; Crow HC: placental hypoechoic-anechoic areas and infarction: sonographic-pathologic correlation, Radiology 1990; **176:** 75
Harris ST See **Genant HK**
Harris ST See **Steiger P**
Harris TM See **Caldemeyer KS**
Harris TM; Cohen MD: abdominal magnetic resonance imaging, Pediatr Radiol 1989; **20:** 10
Harris TM; Smith RR; Bognanno JR; et al: toxoplasmic myelitis in AIDS: gadolinium-enhanced MR, JCAT 1990; **14:** 809
Harris TM; Smith RR; Koch KJ: gadolinium-DTPA enhanced MR imaging of septic dural sinus thrombosis, JCAT 1989; **13:** 682
Harris VJ; Jackson VP: indications for breast imaging in women under age 35 years, Radiology 1989; **172:** 445
Harris WH See **Maloney WJ**
Harrison A; Machin I; Grundy A: case of the month: a colonic double bubble, Br J Radiol 1989; **62:** 85
Harrison GH; Balcer-Kubiczek EK: continuous-wave ultrasound and neoplastic transformation *in vitro*, Ultrasound Med Biol 1989; **15:** 335
Harrison JE See **Code RF**
Harrison JK See **Davidson CJ**
Harrison LA; McMillan JH; Batnitzky S; et al: MR appearance of an ectopic intraspinal adrenal cortical adenoma, AJNR 1990; **11:** 1185
Harrison LB See **Armstrong JG**
Harrison LB See **Leibel SA**
Harrison LB; Pfister DG; Fass DE; et al: concomitant chemotherapy-radiation therapy followed by hyperfractionated radiation therapy for advanced unresectable head and neck cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 703
Harrison LB; Sessions RB; Strong EW; et al: brachytherapy as part of the definitive management of squamous cancer of the base of tongue, Int J Radiat Oncol Biol Phys 1989; **17:** 1309
Harrison LB; Solomon B; Miller S; et al: prospective computer-assisted voice analysis for patients with early stage blottic cancer: a preliminary report of the functional result of laryngeal irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 123
Harrison LH See **Zagoria RJ**
Harrison MR See **Schmidt KG**
Harrison MR; MacPhail B; Gurley JC; et al: usefulness of color Doppler flow imaging to distinguish ventricular septal defect from acute mitral regurgitation complicating acute myocardial infarction, (ab), Radiology 1990; **175:** 885
Harrison PB See **Dashefsky SM**
Harrison PB See **Goodacre BW**
Harrison PB; Clarke SD; Silver SF: focal brain lesions on computed tomography in patients with acquired immune deficiency syndrome, J Canad Assoc Radiol 1990; **41:** 83
Harrison PB; Wong MJ; Belzberg A; et al: hyperperfusion syndrome after carotid endarterectomy: CT changes, Neuroradiol 1991; **33:** 106
Harrison RB See **Morano JU**
Harrison RM See **Chapple C-L**
Harrison RM See **Rawlings DJ**
Harrist RB See **Hadlock FP**
Harry G See **Soyer P**
Harshfield DL See **McCowan TC**
Harshfield DL See **Teplick SK**
Harshfield DL; Teplick SK; Stanton M; et al: obstructing villous adenoma and papillary adenomatosis of the bile ducts, AJR 1990; **154:** 1217
Hart BL See **Jahnke RW**
Hart BL; Mettler FA Jr; Harley NH: radon: is it a problem?, Radiology 1989; **172:** 593
Hart BL; Newell JD II; Davis M: pulmonary needle embolism from intravenous drug abuse, J Canad Assoc Radiol 1989; **40:** 326
Hart G See **Olliff JFC**
Hart IR See **Mahadevan V**
Hart J See **Jeffery PJ**
Hart NE See **Robertson CL**
Hart RS See **Catalano MF**
Härtel GJ See **Pietilä JA**
Hartenberg MA See **Keeter S**
Hartenstein R See **Clemm C**
Harter KW See **Torrisi JR**
Harter LP See **Lynch TCP**
Harter SB; Elster AD: injected air mimicking leptomeningeal metastases on lumbar myelography: CT diagnosis, JCAT 1989; **13:** 923
Hartigan M See **Gollub MJ**
Hartkamp MJ See **Krabbe JK**
Hartl M See **Schneider K**
Hartleben PD See **Robinson HJ**
Hartley WC See **Dyet JF**
Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW: stab wounds to the neck: role of angiography, Radiology 1989; **172:** 79
Hartman C See **Carstensen EL**
Hartman C; Child SZ; Mayer R; et al: lung damage from exposure to the fields of an electrohydraulic lithotripter, Ultrasound Med Biol 1990; **16:** 675
Hartman C; Cox CA; Brewer L; et al: effects of lithotripter fields on development of chick embryos, Ultrasound Med Biol 1990; **16:** 581
Hartman CL See **Child SZ**
Hartman DS See **Davidson AJ**
Hartman DS See **Dunnick NR**
Hartman DS See **Hayes WS**
Hartman DS: cysts and cystic neoplasms, Urol Radiol 1990; **12:** 7
Hartman DS: retroperitoneal tumors and lymphadenopathy, Urol Radiol 1990; **12:** 132
Hartman DS; Aronson S; Frazer H: current status of imaging indeterminate renal masses, Radiol Clin North Am 1991; **29:** 475
Hartman GE See **Baker LL**
Hartman GW See **King BF**
Hartnell G See **Channer KS**
Hartnell G See **Cobby M**
Hartnell GG See **Dawson P**
Hartnell GG See **Glew D**
Hartnell GG See **Grier D**

Hartnell GG: controversies in radiology: Doppler of the carotid arteries, Clin Radiol 1989; **40:** 117
Hartnell GG: homemade snare for removal of foreign bodies, Radiology 1991; **181:** 903
Hartnell GG: prospective randomized trials of laser angioplasty, JVIR 1991; **2:** 285
Hartnell GG; Allison DJ: coil embolization in the treatment of pulmonary arteriovenous malformations, J Thorac Imag 1989; **4-1:** 81
Hartnell GG; Jackson JE; Allison DJ: coil embolization of pulmonary arteriovenous malformations, Cardiovasc Intervent Radiol 1990; **13:** 347
Hartog M See **Cooper TJ**
Hartsell WF; Farah R; Murthy AK; et al: is pelvic irradiation necessary in stage III_1A Hodgkin's disease?, Int J Radiat Oncol Biol Phys 1990; **19:** 715
Hartsell WF; Murthy AK; Kiel KD; et al: technique for breast irradiation using custom blocks conforming to the chest wall contour, Int J Radiat Oncol Biol Phys 1990; **19:** 189
Hartshorne MF See **Arrington ER**
Hartshorne MF See **Eisenberg B**
Hartshorne MF See **Mettler FA Jr**
Hartshorne MF See **Timmons JH**
Hartshorne MF See **Vela BS**
Hartz RK See **Mullani NA**
Hartz W See **Zegel HG**
Hartz WH See **Gatenby RA**
Hartzler GO See **O'Keefe JH Jr**
Hartzman S See **Gomes AS**
Hartzman S See **Lois JF**
Haruma K; Suzuki T; Tsuda T; et al: evaluation of tumor growth rate in patients with early gastric carcinoma of the elevated type, Gastrointest Radiol 1991; **16:** 289
Harun SR See **Pramuljo HS**
Harvey D See **Patten RM**
Harvey HA See **Stryker JA**
Harvey I See **Barnes D**
Harward TRS; Green D; Bergan JJ; et al: mesenteric venous thrombosis, (ab), Radiology 1989; **173:** 293
Harwell S See **Constine LS**
Harwood-Nash DC See **Mirich DR**
Harwood-Nash DC See **Pedersen H**
Harwood-Nash DC: RSNA Scientific Program revisited, Radiology 1990; **174:** 241
Harwood-Nash DC; Daneman A; Jeffrey RB; Pathria MN; Putnam CE; Scotti G: image interpretation session: Sunday, December 1, 1991, Radiographics 1991; **11:** 911
Hasan AKH; Negrette JJ: case report: duodenal diverticula and jaundice: ultrasound can be misleading, Clin Radiol 1991; **44:** 128
Hasan HA See **Sharif HS**
Hasara L See **Rich S**
Hasbargen JA See **Mulligan JS**
Hasegawa BH See **Faulkner KG**
Hasegawa H See **Abe K**
Hasegawa H See **Takada T**
Hasegawa M See **Kato T**
Hasegawa M; Nasu M; Ohki M; et al: malignant transformation of nasal polyp: case report, (ab), Radiology 1989; **170:** 294
Hasegawa T; Kamata S; Imura K; et al: use of lung–thorax transverse area ratio in the antenatal evaluation of lung hypoplasia in congenital diaphragmatic hernia, JCU 1990; **18:** 705
Hasegawa T; Song CW: effect of hydralazine on the blood flow in tumors and normal tissues in rats, Int J Radiat Oncol Biol Phys 1991; **20:** 1001
Hasegawa Y See **Nakano S**
Hasegawa Y; Nakano S; Hashizume T; et al: comparison of delayed imaging with Tc-99m PMT and Tc-99m DEIDA for visualization of hepatoma, Clin Nucl Med 1989; **14:** 526
Hasegawa Y; Nakano S; Hiyama T; et al: relationship of uptake of technetium-99m(Sn)-N-pyridoxyl-5-methyltryptophan by hepatocellular carcinoma to prognosis, J Nucl Med 1991; **32:** 228
Haseler LJ See **Moxon LN**
Haselgrove J; Elliott M: peak assignment in automatic data analysis, Magn Res Med 1991; **17:** 496
Haseman DB See **Hopper KD**
Hasford J See **Weber MAJ**
Hashi K See **Yamaki T**
Hashida M See **Nakanishi T**
Hashida Y See **Bowen A**
Hashihira M See **Ishii K**
Hashikawa K See **Kimura K**
Hashimoto BE; Hattrick CW: new method of adult transcranial Doppler, J Ultrasound Med 1991; **10:** 349
Hashimoto M; Yokota A; Kajiwara H; et al: venous angioma treated by radiation, Neuroradiol 1990; **31:** 537
Hashimoto M; Yokota A; Matsuoka S; et al: central retinal vein occlusion after treatment of cavernous dural arteriovenous malformation, AJNR 1989; **10:** S30
Hashimoto O See **Egashira K**
Hashimoto S See **Iwami O**
Hashimoto S See **Wright KC**
Hashimoto S; Hiramatsu K; Ido K; et al: expanding role of emergency embolization in the management of severe blunt hepatic trauma, Cardiovasc Intervent Radiol 1990; **13:** 193
Hashimoto T See **Hosoki T**
Hashimoto T See **Nakamura H**
Hashimoto T; Mitomo M; Hirabuki N; Miura T; Kawai R; Nakamura H; Kawai H; Ono K; Kozuka T: nerve root avulsion of birth palsy: comparison of myelography with CT myelography and somatosensory evoked potential, Radiology 1991; **178:** 841
Hashimoto Y; Stassen JM; Leclef B; De Roo M; Vandecruys A; Melin J; Verhoeven-Mester D; Trouet A; Collen D: thrombus imaging with an I-123–labeled $F(ab')_2$ fragment of an anti–human fibrin monoclonal antibody in a rabbit model, Radiology 1989; **171:** 223
Hashizume T See **Hasegawa Y**
Hashmat AI; Raju S; Singh I; et al: ^{99m}Tc penile scan: an investigative modality in priapism, Urol Radiol 1989; **11:** 58
Hashmonai M; Elami A; Kuten A; et al: subclavian artery occlusion after radiotherapy for carcinoma of the breast, (ab), Radiology 1989; **170:** 587
Hasizume K See **Ohtomo K**
Haskal ZJ; Lindan CE; Goodman PC: lymphoma in the immunocompromised patient, Radiol Clin North Am 1990; **28:** 885
Haslam R See **Woolfield N**
Hasler PH See **Beer H-F**
Hass AC See **Doornbos JF**
Hassager C See **Hansen MA**
Hassan IM; Mohammad MMJ; Constantinides C; et al: problems of duodenogastric reflux in Tc-99m Hexa MIBI planar, tomographic and bull's eye display, Clin Nucl Med 1989; **14:** 286
Hassan IM; Sahweil A; Constantinides C; et al: uptake and kinetics of Tc-99m hexakis 2-methoxy isobutyl isonitrile in benign and malignant lesions in the lungs, Clin Nucl Med 1989; **14:** 333
Hassan J See **Soden M**
Hassan M See **Garel C**
Hassanein RS See **Miller PJ**
Hassanein T See **Rabinovitz M**
Hassapoyannes CA; Stuck LM; Hornung CA; et al: effect of left ventricular aneurysm on risk of sudden and nonsudden cardiac death, (ab), Radiology 1991; **181:** 613
Hassell DR See **Glasier CM**
Hassell PR; Olivotto IA; Mueller HA; Kingston GW; Basco VE: early breast cancer: detection of recurrence after conservative surgery and radiation therapy, Radiology 1990; **176:** 731
Hassen K See **Ghossain MA**
Hassine D See **Chiras J**
Hassinger KK See **Simon NV**
Hassler W; Zentner J; Voigt K: abnormal origin of the ophthalmic artery from the anterior cerebral artery: neuroradiological and intraoperative findings, Neuroradiol 1989; **31:** 85
Hasso AN See **Coates TL**
Hasso AN See **Som PM**
Hasso AN See **Stringer WA**
Hasso AN See **Zylak CJ**
Hasso AN: imaging of the craniocervical junction, (ab), Radiology 1990; **177:** 295
Hasso AN: my experience as a patient with subarachnoid hemorrhage, AJNR 1990; **11:** 229
Hasso AN; Christiansen EL; Alder ME: temporomandibular joint, Radiol Clin North Am 1989; **27:** 301
Hasso AN; Smith DS: cerebellopontine angle, Semin US CT MR 1989; **10:** 280
Hasson JE; Acher CW; Wojtowycz M; et al: lower extremity percutaneous transluminal angioplasty: multifactorial analysis of morbidity and mortality, (ab), JVIR 1991; **2:** 294
Hassoon MM See **Abdel-Dayem HM**
Hastings G; Oates E: bilateral intraosseous ganglia of the lunates: bone imaging, CT scanning, and plain film correlation, Clin Nucl Med 1990; **15:** 658
Hasuo K See **Hirakata R**
Hasuo K See **Kuroiwa T**
Hasuo K; Yasumori K; Yoshida K; et al: magnetic resonance imaging compared with computed tomography and angiography in moyamoya disease, Acta Radiol 1990; **31:** 191
Hata K See **Abu Musa A**
Hata K See **Hata T**
Hata K See **Senoh D**
Hata T See **Abu Musa A**
Hata T See **Senoh D**
Hata T; Hata K; Senoh D; et al: Doppler ultrasound assessment of tumor vascularity in gynecologic disorders, J Ultrasound Med 1989; **8:** 309
Hata Y See **Namieno T**
Hata Y See **Uchiyama M**
Hatabu H See **Dinsmore BJ**
Hatabu H See **Gefter WB**
Hatabu H See **Kasagi K**
Hatabu H See **Katsushima S**
Hatabu H; Gefter WB; Kressel HY; Axel L; Lenkinski RE: pulmonary vasculature: high-resolution MR imaging, work in progress, Radiology 1989; **171:** 391
Hatabu H; Kasagi K; Yamamoto K; et al: acute suppurative thyroiditis associated with piriform sinus fistula: sonographic findings, AJR 1990; **155:** 845
Hatabu H; Kasagi K; Yamamoto K; et al: cystic papillary carcinoma of the thyroid gland: a new sonographic sign, Clin Radiol 1991; **43:** 121
Hatakeyama M See **Otsuji H**
Hatanaka H; Moritani M; Camillo M: possible alteration of the blood-brain barrier by boron-neutron capture therapy, Acta Oncol 1991; **30:** 375
Hatano K See **Hatazawa J**
Hatano K; Ishiwata K; Kawashima K; et al: D_2-dopamine receptor specific brain uptake of carbon-11-labeled YM-09151-2, J Nucl Med 1989; **30:** 515
Hatazawa J; Hatano K; Ishiwata K; et al: measurement of D2 dopamine receptor-specific carbon-11-YM-09151-2 binding in the canine brain by PET: importance of partial volume correction, J Nucl Med 1991; **32:** 713
Hatazawa J; Ishiwata K; Itoh M; et al: quantitative evaluation of L-[methyl-C-11] methionine uptake in tumor using positron emission tomography, J Nucl Med 1989; **30:** 1809
Hatazawa J; Yanai M; Itoh M; et al: tracheobronchial mucociliary clearance and alveolar epithelial permeability measured by PET with ^{18}FDG powder, JCAT 1990; **14:** 175
Hately W See **Borgstein RL**
Hatfield JA See **Dudley NJ**
Hatfield MK See **Rubin JM**
Hatfield MK See **Silbergleit R**
Hatfield MK; Rubin JM; Gebarski SS; et al: intraoperative sonography in low-grade gliomas, J Ultrasound Med 1989; **8:** 131
Hatfield MK; Udesky RH; Strimling AM; et al: MR imaging of a spinal epidermoid tumor, AJNR 1989; **10:** S95
Hathorn JW See **Charles HC**
Hatschek T; Bjelkenkrantz K; Carstensen J; et al: cytophotometric estimation of cell proliferation in breast cancer: correlation to the clinical course during long-term follow-up, Acta Oncol 1989; **28:** 801
Hatten HP Jr See **Rhodes RE**
Hatten RC See **Ciegler GW**
Hattery RR See **Bell DG**
Hattery RR See **King BF**
Hattery RR; King BF Jr; Lewis RW; et al: vasculogenic impotence: duplex and color Doppler imaging, Radiol Clin North Am 1991; **29:** 629
Hattes N See **Hayes CE**
Hattner RS See **Sandler ED**
Hattner RS; White DL: gallium-67/stable gadolinium antagonism: MRI contrast agent markedly alters the normal biodistribution of gallium-67, J Nucl Med 1990; **31:** 1844
Hattrick CW See **Hashimoto BE**
Hauer-Jensen M: late radiation injury of the small intestine: clinical, pathophysiologic and radiobiologic aspects: a review, Acta Oncol 1990; **29:** 401
Hauer-Jensen M; Poulakos L; Osborne JW: intestinal complications following accelerated fractionated X-irradiation: an experimental study in the rat, Acta Oncol 1990; **29:** 229
Hauffa BP See **Menzel D**
Hauft SM; Perlman JM; Siegel MJ; et al: tracheal stenosis in the sick premature infant: clinical and radiological features, (ab), Radiology 1989; **170:** 294
Haug CE See **Sanders RJ**
Haug PJ; Clayton PD; Tocino I; Morrison JW; Elliot CG; Collins DV; Harada SK; Frederick PR: chest radiography: a tool for the audit of report quality, Radiology 1991; **180:** 271
Haug PJ; Ranum DL; Frederick PR: computerized extraction of coded findings from free-text radiologic reports: work in progress, Radiology 1990; **174:** 543
Haughton VM See **Breger RK**
Haughton VM See **Daniels DL**
Haughton VM See **Fletcher G**
Haughton VM See **Hendrix LE**
Haughton VM See **Kostelic JK**
Haughton VM See **Mark LP**
Haughton VM See **Modl JM**
Haughton VM See **Nguyen CM**
Haughton VM See **Nowicki BH**
Haughton VM See **Palmer DW**

Haughton VM See Ruiz ME
Haughton VM See Runge VM
Haughton VM See Sether LA
Haughton VM See Sze G
Haughton VM See Xu GL
Haughton VM See Yetkin FZ
Haughton VM See Yu S
Haughton VM: intervertebral disk: normal age-related changes in MR signal intensity: reply, Radiology 1990; **177:** 333
Haughton VM; Ho K-C; Nguyen CM: synergy of chymopapain and diatrizoate studied in an experimental model, Radiology 1989; **171:** 469
Haughton VM; Nguyen CM; Ho K-C: effect of experimental root sheath compression on dura, Invest Radiol 1989; **24:** 204
Hauglum BE See Hald JK
Hauglustaine D See Gielen JL
Haumschild DJ See Song CW
Haus AG See Tabar L
Haus AG: technologic improvements in screen-film mammography, Radiology 1990; **174:** 628
Haus AG; Cullinan JE: screen-film-processing systems for medical radiography: a historical review, Radiographics 1989; **9:** 1203
Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L: mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Radiology 1990; **174:** 627
Hause LL; Clowry LJ; Cheng DS; et al: interpretation of microscopic image analysis of cell nuclei, Comput Med Imag Graph 1990; **14:** 225
Hausegger K See Flueckiger F
Hausegger K See Kullnig P
Hausegger K See Lammer J
Hausegger KA; Fotter R; Sorantin E; et al: urethral morphology and bladder instability, Pediatr Radiol 1991; **21:** 278
Hausegger KA; Millner MM; Ebner F; et al: mitochondrial encephalomyopathy—two years follow-up by MRI, Pediatr Radiol 1991; **21:** 231
Hauser GJ See Sivit CJ
Hauser GJ; Pollack MM; Sivit CJ; et al: routine chest radiographs in pediatric intensive care: a prospective study, (ab), Radiology 1990; **174:** 591
Hauser H See Sadry F
Hauser MF See Gertz MA
Hauser RA; Lacey M; Knight MR: hypertensive encephalopathy: magnetic resonance imaging demonstration of reversible cortical and white matter lesions, (ab), Radiology 1989; **171:** 886
Hausmann R See Lewin JS
Hausmann R; Lewin JS; Laub G: phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, JMRI 1991; **1:** 415
Häussinger K See Mayr B
Haustein J See Baierl P
Haustein J See Niendorf HP
Hautefort P See Ben Romdhane H
Hautekeete ML; Brenard R; Hadengue A; Benhamou J-P: Budd-Chiari syndrome, Radiology 1989; **173:** 578
Hauzeur JP; Pasteels JL; Schoutens A; et al: diagnostic value of magnetic resonance imaging in nontraumatic osteonecrosis of the femoral head, (ab), Radiology 1990; **174:** 589
Havard AC; MacDonald LM: oesophageal atresia and other disorders with a similar antenatal presentation, Br J Radiol 1991; **64:** 557
Havens PL; Sty JR; Wells RG: gallium-67 imaging: chloroquine overdose, Clin Nucl Med 1989; **14:** 135
Haverkamp U See Pötter R
Havlina JM Jr See Traughber PD
Hawass N-E-D; Al-Badawi MG; Fatani JA; et al: fetal necrogram: a new technique: experience with 12,000 contrast examinations, Invest Radiol 1989; **24:** 711
Hawass N-E-D; Bahakim H; Al-Boukai AA: intrathoracic fat: a new CT feature of intrathoracic rib. case report, Clin Imag 1991; **15:** 31
Hawass N-E-D; El Badawi MG; Al-Muzrakchi AM; et al: horseshoe lung: differential diagnosis, Pediatr Radiol 1990; **20:** 580
Hawass N-E-D; El Badawi MG; Fatani JA; et al: foetal hepatic calcification, Pediatr Radiol 1990; **20:** 528
Hawes D; Robinson R; Wira R: pseudomyxoma peritonei from metastatic colloid carcinoma of the breast, Gastrointest Radiol 1991; **16:** 80
Hawes DR See Fukuya T
Hawes DR See Nelson DR
Hawes DR See Seabold JE
Hawes DR See Yuh WTC
Hawes DR; Hemann LS; Cornell AE; et al: hemangioma of the uterine cervix: sonographic and MR diagnosis, JCAT 1991; **15:** 152
Hawes DR; Yuh WTC; Wen B-C: case report: gadolinium-enhanced MR imaging in the management of a midline cerebral dysgerminoma, Comput Med Imag Graph 1989; **13:** 463
Hawes RH See Bogan ML
Hawes RH See Kopecky KK
Hawes RH See Rex DK
Hawk RM See Gullapalli RP
Hawke M See Shankar L
Hawkes DJ See Seifalian AM
Hawkes S See du Boulay GH
Hawkins D See Connolly GM
Hawkins HB See Levine GM
Hawkins IF Jr See Akins EW
Hawkins IF Jr See Daniel TB
Hawkins IF Jr See Dolenz KB
Hawkins IF Jr See Hansen EC
Hawkins IF Jr See Pry R
Hawkins IF Jr; Akins EW: miniaturization of catheter systems for angiography, Radiology 1989; **172:** 1015
Hawkins MC See Hansen EC
Hawkins MM: second primary tumors following radiotherapy for childhood cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1297
Hawkins PN; Lavender JP; Myers MJ; et al: diagnostic radionuclide imaging of amyloid: biological targeting by circulating human serum amyloid P component, (ab), Radiology 1989; **170:** 592
Hawkins RA See Choi Y
Hawkins RA See Gambhir SS
Hawkins RA See Gold RH
Hawkins RA See Guze BH
Hawkins SP; Rowlands PC; Shorvon PJ: barium meals in the elderly—a quality reassurance, Br J Radiol 1991; **64:** 113
Hawkins TD See Chisholm RA
Hawkins WG See Leichner PK
Hawkins WG; Yang N-C; Leichner PK: validation of the circular harmonic transform (CHT) algorithm for quantitative SPECT, J Nucl Med 1991; **32:** 141
Hawksworth D: new magnet designs for MR, Magn Res Med 1991; **17:** 27
Hawliczek R See Hammer J
Hawliczek R; Neubauer J; Schmidt WFO; et al: new device for interstitial ^{125}iodine seed implantation, Int J Radiat Oncol Biol Phys 1991; **20:** 621
Hawnaur J See Clarke CE
Hawnaur JM; Jenkins JPR; Isherwood I: magnetic resonance imaging of musculoaponeurotic fibromatosis, Skeletal Radiol 1990; **19:** 509
Hawnaur JM; Whitehouse RW; Jenkins JPR; et al: musculoskeletal haemangiomas: comparison of MRI with CT, Skeletal Radiol 1990; **19:** 251
Hawrot E See Chiles C
Hawryszko C See Derby K
Hay EJ See Graeb DA
Hay JE; Wiesner RH; Shorter RG; et al: primary sclerosing cholangitis and celiac disease: a novel association, (ab), Radiology 1989; **172:** 290
Hay M; Cant PJ: case report: renal excretion of enteral Gastrografin in the absence of free intestinal perforation, Clin Radiol 1990; **41:** 137
Hay RV; Fleming RM; Ryan JW; et al: nuclear imaging analysis of human low-density lipoprotein biodistribution in rabbits and monkeys, J Nucl Med 1991; **32:** 1239
Hay T See Horgan JG
Hayabuchi N; Russell WJ; Murakami J: problems in radiographic detection and diagnosis of lung cancer, Acta Radiol 1989; **30:** 163
Hayakawa K See Kuriyama M
Hayakawa K See Mitsumori M
Hayakawa K; Konishi Y; Kuriyama M; et al: normal brain maturation. in MRI, Eur J Radiol 1991; **12:** 208
Hayakawa K; Konishi Y; Matsuda T; Kuriyama M; Konishi K; Yamashita K; Okumura R; Hamanaka D: development and aging of brain midline structures: assessment with MR imaging, Radiology 1989; **172:** 171
Hayakawa K; Morris TM; Katzberg RW: opening of the blood-brain barrier by intravenous contrast media in euvolemic and dehydrated rabbits, Acta Radiol 1989; **30:** 439
Hayakawa K; Yamashita K: effect of contrast media on left ventricular function during left coronary arteriography in dogs, Acta Radiol 1989; **30:** 655
Hayakawa K; Yamashita K: low-osmolality contrast media-induced ventricular fibrillation, Invest Radiol 1989; **24:** 298
Hayakawa K; Yamashita K; Mitsumori M; et al: blood-brain barrier injury following intracarotid injection of radiographic contrast media: in vivo quantification using magnetic resonance imaging and Gd-DTPA, Acta Radiol 1990; **31:** 203
Hayakawa K; Yamashita K; Mitsumori M; et al: in vivo quantification of the blood–brain barrier injury using magnetic resonance enhancement, Invest Radiol 1990; **25:** S80
Hayakawa N See Kubota H
Hayashi AH; Giacomantonio JM; Lau HYC; et al: balloon catheter dilatation for hypertrophic pyloric stenosis, (ab), JVIR 1991; **2:** 296
Hayashi C See Glüer CC
Hayashi H See Kamiya H
Hayashi H See Morimura T
Hayashi K See Ito M
Hayashi K See Kawano Y
Hayashi K See Matsunaga N
Hayashi K See Mori H
Hayashi RH See Nugent CE
Hayashi Y See Nitta H
Hayashida K See Nishimura T
Hayashida K; Nishimura T; Imakita S; et al: change of accumulation and filling pattern in evolution of cerebral infarction with I-123 IMP brain SPECT, Neuroradiol 1991; **33:** 9
Hayashida K; Nishimura T; Imakita S; et al: does the washout phenomenon of Tc-99m HM-PAO correlate to the "filling-in" phenomenon of I-123 IMP with brain SPECT?, Neuroradiol 1990; **32:** 196
Hayashida K; Nishimura T; Imakita S; et al: embolic stroke following carotid radiation angiopathy demonstrated with I-123 IMP brain SPECT, Clin Nucl Med 1991; **16:** 580
Hayashida K; Nishimura T; Imakita S; et al: filling out phenomenon with technetium-99m HM-PAO brain SPECT at the site of mild cerebral ischemia, J Nucl Med 1989; **30:** 591
Hayat M See Henry-Amar M
Hayden CK Jr See Barr LL
Hayden CK Jr See O'Keeffe FN
Hayden CK Jr See Swischuk LE
Hayden CK Jr; Swischuk LE: renal cystic disease, Semin US CT MR 1991; **12:** 361
Hayek J See Bellah RD
Hayes A See Rao BN
Hayes AA; Akre CM; Gorman CA: iodine-131 treatment of Graves' disease using modified early iodine-131 uptake measurements in therapy dose calculations, J Nucl Med 1990; **31:** 519
Hayes AA; Mullan B; Lovegrove FT; et al: gallium lung scanning and bronchoalveolar lavage in crocidolite-exposed workers, (ab), Radiology 1990; **174:** 290
Hayes CE See Roemer PB
Hayes CE; Hattes N; Roemer PB: volume imaging with MR phased arrays, Magn Res Med 1991; **18:** 309
Hayes CE; Roemer PB: noise correlations in data simultaneously acquired from multiple surface coil arrays, Magn Res Med 1990; **16:** 181
Hayes CW See Conway WF
Hayes CW See Datoc PD
Hayes CW See Jensen ME
Hayes CW See Mayo-Smith W
Hayes CW See Rosenthal DI
Hayes CW; Conway WF: calcium hydroxyapatite deposition disease, Radiographics 1990; **10:** 1031
Hayes CW; Conway WF: hyperparathyroidism, Radiol Clin North Am 1991; **29:** 85
Hayes CW; Conway WF; Walsh JW; Coppage L; Gervin AS: seat belt injuries: radiologic findings and clinical correlation, Radiographics 1991; **11:** 23
Hayes CW; Jensen ME; Conway WF: non-neoplastic lesions of vertebral bodies: findings in magnetic resonance imaging, Radiographics 1989; **9:** 883
Hayes CW; Sawyer RW; Conway WF: patellar cartilage lesions: in vitro detection and staging with MR imaging and pathologic correlation, Radiology 1990; **176:** 479
Hayes E; Ashenburg R; Phillips D: cerebral embolism after gunshot wounds, AJNR 1989; **10:** S77
Hayes E; Lavelle W: sphenochoanal polyp: CT findings, JCAT 1989; **13:** 365
Hayes E; Lippa C; Davidson R: paragangliomas of the cauda equina, AJNR 1989; **10:** S45
Hayes FA See Estes DN
Hayes JM See Martinez AG
Hayes JR See Southard RN
Hayes R See Bree RL
Hayes R See Kaufman Z
Hayes R; Mahon T; Masterson J; et al: effects of ioxaglate 320, iohexol 350, and iopamidol 370 on erythrocyte aggregation, Invest Radiol 1991; **26:** 742
Hayes WC See Lotz JC
Hayes WC; Piazza SJ; Zysset PK: biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography, Radiol Clin North Am 1991; **29:** 1
Hayes WS See Brammer HM III
Hayes WS See Buck JL
Hayes WS See West MS
Hayes WS See Zeman RK
Hayes WS; Davidson AJ; Grimley PM; et al: extraadrenal retroperitoneal paraganglioma: clinical, pathologic, and CT findings, AJR 1990; **155:** 1247
Hayes WS; Hartman DS; Sesterhenn IA: from the archives of the AFIP: xanthogranulomatous pyelonephritis, Radiographics 1991; **11:** 485

Haygood TM See **Mettler FA**
Haylor JL See **El Sayed AA**
Haylor JL; El Sayed AA; El Nahas AM; et al: effect of sodium iothalamate on the vascular resistance of the isolated perfused rat kidney, Br J Radiol 1991; **64:** 50
Hayman LA See **Spirt BA**
Hayman LA See **Zyed A**
Hayman LA; McArdle CB; Taber KH; et al: MR imaging of hyperacute intracranial hemorrhage in the cat, AJNR 1989; **10:** 681 .
Hayman LA; Pagani JJ; Kirkpatrick JB; et al: pathophysiology of acute intracerebral and subarachnoid hemorrhage: applications to MR imaging, AJNR 1989; **10:** 457
Hayman LA; Taber KH; Ford JJ; et al: effect of clot formation and retraction on spin-echo MR images of blood: an in vitro study, AJNR 1989; **10:** 1155
Hayman LA; Taber KH; Jhingran SG; et al: cerebral infarction: diagnosis and assessment of prognosis by using ^{123}IMP-SPECT and CT, AJNR 1989; **10:** 557
Haynie M See **Goldstein RA**
Haynie TP See **Abello R**
Haynie TP See **Lamki LM**
Hayrapetian A; Aberle DR; Huang HK; et al: comparison of 2048-line digital display formats and conventional radiographs: an ROC study, AJR 1989; **152:** 1113
Hayt DB; Binkert BL: overview of noninvasive methods of deep vein thrombosis detection, Clin Imag 1990; **14:** 179
Hayward C See **Bernard MS**
Hayward C See **Nicholson AA**
Hayward I; Forrest JV; Sagel SS: hemiazygos vein aneurysm: CT documentation, JCAT 1989; **13:** 1072
Hayward I; Trambert MA; Mattrey RF; et al: MR imaging of vasculitis of the testis, JCAT 1991; **15:** 502
Hayward JC See **Titelbaum DS**
Hayward JM See **Bradey N**
Hayward M See **Bernard MS**
Hayward MWJ See **Cooper TJ**
Hayward MWJ See **Etherington RJ**
Hayward MWJ See **Sissons GRJ**
Hayward MWJ See **Whyte AM**
Hayward MWJ; Lyons K; Ennis WP; et al: radiography of the paranasal sinuses—one or three views?, Clin Radiol 1990; **41:** 163
Hayward SJ: portal venous collateral drainage in IVC obstruction, Clin Radiol 1990; **41:** 206
Hayward SR; Lucas CE; Ledgerwood AM: recurrent spontaneous intrahepatic hemorrhage from peliosis hepatis, (ab), Radiology 1991; **181:** 908
Hazan A See **Martin M**
Hazebroucq V See **Abécassis J-P**
Hazel JG Jr: 1990 year book of diagnostic radiology, Radiology 1991; **178:** 200
Hazel JG Jr: cerebral computed tomography: a text-atlas. 3rd ed, Radiology 1989; **173:** 346
Hazel JG Jr: clinical magnetic resonance imaging, Radiology 1990; **177:** 114
Hazel JG Jr: clinical urography: an atlas and textbook of urological imaging. 3 vols, Radiology 1990; **175:** 804
Hazel JG Jr: CT and MRI of the genitourinary tract, Radiology 1991; **179:** 408
Hazel JG Jr: detection and treatment of early breast cancer, Radiology 1991; **181:** 358
Hazel JG Jr: diagnostic imaging of the acute abdomen, Radiology 1990; **174:** 114
Hazel JG Jr: imaging of sports injuries, Radiology 1990; **175:** 526
Hazel JG Jr: imaging of the thyroid and parathyroid glands: a practical guide, Radiology 1991; **181:** 682
Hazel JG Jr: manual of diagnostic radiology, Radiology 1990; **174:** 164
Hazel JG Jr: obstetrical measurements in ultrasound: a reference manual, Radiology 1989; **171:** 444
Hazel JG Jr: radiology of the small intestine, Radiology 1990; **177:** 162
Hazel JG Jr: small bowel radiology, Radiology 1989; **170:** 482
Hazel JG Jr: ultrasonography in obstetrics and gynecology. 2d ed, Radiology 1989; **171:** 444
Hazenberg HJA See **Kuipers EJ**
Hazle JD See **Narayana PA**
Hazle JD; Narayana PA; Dunsford HA: chronic carbon tetrachloride and phospholipase D hepatotoxicity in rat: *in vivo* ^{1}H magnetic resonance, total lipid analysis, and histology, Magn Res Med 1990; **15:** 211
Hazle JD; Narayana PA; Dunsford HA: *in vivo* NMR, biochemical, and histologic evaluation of alcohol-induced fatty liver in rat and a comparison with CCl_4 hepatotoxicity, Magn Res Med 1991; **19:** 124
Hazlewood CF; Rorschach HE; Lin C: diffusion of water in tissues and MRI, Magn Res Med 1991; **19:** 214
Hazuka MB See **DeWeese TL**
He P; McGoron A: parameter estimation for nonlinear frequency dependent attenuation in soft tissue, Ultrasound Med Biol 1989; **15:** 757
He SQ See **Kim JH**
He Z-X; Maublant JC; Cauvin JC; et al: reorientation of the left ventricular long-axis on myocardial transaxial tomograms by a linear fitting method, J Nucl Med 1991; **32:** 1794
Headington JT See **Hernandez RJ**
Headrick JP; Willis RJ: effect of inotropic stimulation on cytosolic Mg^{2+} in isolated rat heart: a ^{31}P magnetic resonance study, Magn Res Med 1989; **12:** 328
Heal R See **Panicucci R**
Healey EA; Osteen RT; Schnitt SJ; et al: can the clinical and mammographic findings at presentation predict the presence of an extensive intraductal component in early stage breast cancer?, Int J Radiat Oncol Biol Phys 1989; **17:** 1217
Healey JH See **Potter HG**
Healy DA See **Atnip RG**
Healy DA; Neumyer MM: renal artery stenosis: diagnosis with color duplex US, Radiology 1990; **176:** 877
Healy DA; Zierler RE; Nicholls SC; et al: long-term follow-up and clinical outcome of carotid restenosis, (ab), Radiology 1990; **175:** 885
Healy ME See **Schwaighofer BW**
Healy MV See **Bergin CJ**
Healy MV See **Luna-Fineman S**
Heard G See **Runge VM**
Heare MM See **Slone RM**
Heare MM; Heare TC; Gillespy T III: diagnostic imaging of pelvic and chest wall trauma, Radiol Clin North Am 1989; **27:** 873
Heare TC See **Heare MM**
Heater K; MacMahon H; Vyborny CJ: occult lung carcinoma presenting with dysphagia: the value of computed tomography, Clin Imag 1989; **13:** 122
Heath R See **Ingram SS**
Heathcote CR See **Cliff WJ**
Heatley GJ See **Schloss MH**
Heautot J-F See **Gandon Y**
Heavens J See **Hall ML**
Hebel RM See **Schneider IHF**
Heberer G; Paumgartner G; Sauerbruch T; et al: retrospective analysis of 3 year's (sic) experience of an interdisciplinary approach to gallstone disease including shock-waves, (ab), Radiology 1989; **172:** 290
Heberger R See **Totterman SM**
Heberle J See **Budihna N**
Hebert D See **McHugh K**
Hebrang A See **Tomac B**
Hebrang A; Maskovic J; Tomac B: percutaneous transluminal angioplasty of the subclavian arteries: long-term results in 52 patients, AJR 1991; **156:** 1091
Hecht AH See **Tan A**
Hecht AH; Tan A; Shen JF: case report: primary systemic amyloidosis presenting as breast masses, mammographically simulating carcinoma, Clin Radiol 1991; **44:** 123
Hecht S See **Goldstein RB**
Hecht ST See **Dawson RC III**
Hecht ST See **Jungreis CA**
Hecht ST See **Straub WH**
Hecht ST; Horton JA; Kerber CW: hemodynamics of the central nervous system arteriovenous malformation nidus during particulate embolization: a computer model, (ab), JVIR 1991; **2:** 421
Hecht ST; Horton JA; Kerber CW: hemodynamics of the central nervous system arteriovenous malformation nidus during particulate embolization: a computer model, Neuroradiol 1991; **33:** 62
Hecht ST; Horton JA; Yonas H: growth of a thrombosed giant vertebral artery aneurysm after parent artery occlusion, AJNR 1991; **12:** 449
Hecht ST; Kemp SS; Kerber CW: technical note: radiolucent operating room table extension to facilitate intraoperative angiography, AJNR 1991; **12:** 130
Heck LL; Brittin GM: splenic uptake of both technetium-99m diphosphonate and technetium-99m sulfur colloid in sickle cell beta° thalassemia, Clin Nucl Med 1989; **14:** 557
Heck RJ See **Cox RS**
Heckerling PS; Tape TG; Wigton RS; et al: clinical prediction rate for pulmonary infiltrates, (ab), Radiology 1991; **179:** 885
Hector DM See **Thurmond AS**
Hedberg M See **Bird CR**
Hedberg-Vikström BRK See **Leitz WK**
Hederström E See **Aurell Y**
Hederström E See **Hochbergs P**
Hederström E See **Lundstedt C**
Hederström E See **Lyttkens K**
Hederström E; Ahlgren M; Salminen H: computed tomography for localization of intra-abdominally dislocated intrauterine devices, Acta Radiol 1989; **30:** 531
Hederström E; Andrén-Sandberg Å; Forsberg L: gallstones in bili-digestive shunts diagnosed by ultrasound: an unusual cause of obstruction, Acta Radiol 1989; **30:** 549
Hederström E; Forsberg L: entrapped ovarian cyst: an unusual case of persistent abdominal pain, Acta Radiol 1990; **31:** 285
Hederström E; Forsberg L; Ivancev K; et al: ultrasonography and Doppler duplex compared with angiography in follow-up of mesocaval shunt patency, Acta Radiol 1990; **31:** 341
Hedges K See **Balaban RS**
Hedges LK See **Turner R**
Hedges LK: fuse for magnetic resonance imaging probes, Magn Res Med 1989; **9:** 278
Hedgpeth PL See **Thurmond AS**
Hedgpeth PL; Thurmond AS; Fry R; Schmidgall JR; Rosch J: radiographic fallopian tube recanalization: absorbed ovarian radiation dose, Radiology 1991; **180:** 121
Hedlund B See **Lundell M**
Hedlund GI See **Diaz MJ**
Hedlund GL See **Shiels WE II**
Hedlund GL; Bisset GS III: esophageal duplication cyst and aberrant right subclavian artery mimicking a symptomatic vascular ring, Pediatr Radiol 1989; **19:** 543
Hedlund GL; Bisset GS III; Bove KE: malignant neoplasms arising in cystic hamartomas of the lung in childhood, Radiology 1989; **173:** 77
Hedlund GL; Johnson JF; Strife JL: ileocolic intussusception: extensive reflux of air preceding pneumatic reduction, Radiology 1990; **174:** 187
Hedlund LJ See **Yedlicka JW Jr**
Hedlund LJ; Carlson JE; Urness M; Bildsoe MC; Yedlicka JW Jr; Castaneda-Zuniga WR; Amplatz K; Hunter DW: urokinase-mediated thrombolysis: a dose-response relationship in cats. work in progress, JVIR 1991; **2:** 349
Hedlund LW See **Malisch TW**
Hedlund LW See **Munechika H**
Hedlund LW See **Podolak MJ**
Hedlund PO; Esposti P; Falkmer U; et al: DNA as a prognostic marker in advanced high-grade prostatic cancer: a preliminary report, Acta Oncol 1991; **30:** 215
Hedtler W See **Marugg S**
Heelan RT See **Panicek DM**
Heelan RT See **Webb WR**
Heelan RT; Demas BE; Caravelli JF; Martini N; Bains MS; McCormack PM; Burt M; Panicek DM; Mitzner A: superior sulcus tumors: CT and MR imaging, Radiology 1989; **170:** 637
Heerklotz I See **Kachel R**
Hegarty TJ See **Thornton AF Jr**
Hegarty TJ; Thornton AF; Diaz RF; et al: intra-arterial bromodeoxyuridine radiosensitization of malignant gliomas, Int J Radiat Oncol Biol Phys 1990; **19:** 421
Hegedus C See **Gilks B**
Hegeman IM See **Woods SW**
Hegg C See **Coral A**
Heggie JCP: radiation absorbed dose calculations for samarium-153-EDTMP localized in bone, J Nucl Med 1991; **32:** 840
Hegstrand LR See **Partington CR**
Hei TK See **Hall EJ**
Heiberg E; Nalesnik WJ; Janney C: effects of varying potential and electrolytic dosage in direct current treatment of tumors, Acta Radiol 1991; **32:** 174
Heiden RA; Locko RC; Stent TR: hyperemic peripheral red marrow in a patient with sickle cell anemia demonstrated on Tc-99m labeled red blood cell venography, Clin Nucl Med 1991; **16:** 153
Heidorn DB See **Buchsbaum DJ**
Heier LA See **Destian S**
Heier LA; Bauer CJ; Schwartz L; et al: large Virchow-Robin spaces: MR-clinical correlation, AJNR 1989; **10:** 929
Heier LA; Zimmerman RD; Amster JL; et al: magnetic resonance imaging of arachnoid cysts, Clin Imag 1989; **13:** 281
Heier M See **Watne K**
Heifetz M See **Hadar H**
Heij HA; Taets van Amerongen AHM; Ekkelkamp S; et al: diagnosis and management of neonatal adrenal haemorrhage, Pediatr Radiol 1989; **19:** 391
Heiken JP See **Brown JJ**
Heiken JP See **Funk KC**
Heiken JP See **Horstman WG**
Heiken JP See **Liou JTS**
Heiken JP See **Mirowitz SA**
Heiken JP See **Schertz LD**
Heiken JP See **Tartar VM**
Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW: detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Radiology 1989; **171:** 47

Heilman CB; Kwan ES; Klucznik RP; et al: elimination of a cirsoid aneurysm of the scalp by direct percutaneous embolization with thrombogenic coils: case report, (ab), JVIR 1991; **2:** 287
Heilman RS: practice corner: beyond the boards, Radiographics 1990; **10:** 822
Heilman RS: practice corner: career choices in radiology, Radiographics 1991; **11:** 1139
Heilman RS: practice corner: DNR, but business as usual, Radiographics 1991; **11:** 324
Heilman RS: practice corner: doctors and AIDS: double standard and double jeopardy, Radiographics 1991; **11:** 382
Heilman RS: practice corner: getting involved, Radiographics 1990; **10:** 507
Heilman RS: practice corner: HCFA and the relative value scale wars, Radiographics 1991; **11:** 794
Heilman RS: practice corner: here today—where tomorrow?, Radiographics 1990; **10:** 1008
Heilman RS: practice corner: imaging self referral: Willie Sutton strikes again, Radiographics 1991; **11:** 22
Heilman RS: practice corner: meaningful tort reform? don't count on it, Radiographics 1991; **11:** 580
Heilman RS: practice corner: reach out and touch someone, Radiographics 1990; **10:** 216
Heilman RS: practice corner: what radiologists really do, Radiographics 1990; **10:** 13
Heilman RS: practice corner: "women's work" in radiology: an update, Radiographics 1990; **10:** 686
Heimans JJ See **Taphoorn MJB**
Heimburger DK See **Lawrence TS**
Heimburger DK See **Ten Haken RK**
Heimdal K See **Lien HH**
Heindel W See **Heiss W-D**
Heindel W See **Luyten PR**
Heineman FW See **Balaban RS**
Heineman FW; Eng J; Berkowitz BA; et al: NMR spectral analysis of kinetic data using natural lineshapes, Magn Res Med 1990; **13:** 490
Heinemann M; Laas J; Karck M; et al: thoracic aortic aneurysms after acute type A aortic dissection: necessity for follow-up, (ab), Radiology 1990; **177:** 893
Heiner JP See **De Smet AA**
Heinle A; Carrasquillo JA; Neumann RD: two unusual cases of metastatic osteosarcoma detected by Tc-99m MDP bone scintigraphy, Clin Nucl Med 1989; **14:** 889
Heinrich U See **Landwehr P**
Heinz ER See **Donnal JF**
Heinz ER See **Halperin EC**
Heinz ER See **Uglietta JP**
Heinz ER See **Wehn SM**
Heinz ER; Crain BJ; Radtke RA; et al: MR imaging in patients with temporal lobe seizures: correlation of results with pathologic findings, AJNR 1990; **11:** 827
Heinz ER; Crain BJ; Radtke RA; et al: MR imaging in patients with temporal lobe seizures: correlation of results with pathologic findings, AJR 1990; **155:** 581
Heinz ER; Yeates AE; Djang WT: significant extracranial carotid stenosis: detection on routine cerebral MR images, Radiology 1989; **170:** 843
Heironimus JD See **Dennison KG**
Heironimus JD See **Timmons JH**
Heironimus JD; Borchert RD; Weiland FL: value of urine creatinine analysis in the evaluation of Schilling tests, Clin Nucl Med 1990; **15:** 181
Heise U See **Knop J**
Heiserman J; Filly RA; Goldstein RB: effect of management errors on sonographic evaluation of ventriculomegaly, J Ultrasound Med 1991; **10:** 121
Heiss HW; Just H; Middleton D; et al: reocclusion prophylaxis with dipyridamole combined with acetylsalicylic acid following PTA, (ab), JVIR 1991; **2:** 289
Heiss W-D See **Luyten PR**
Heiss W-D See **Pietrzyk U**
Heiss W-D; Heindel W; Herholz K; et al: positron emission tomography of fluorine-18-deoxyglucose and image-guided phosphorus-31 magnetic resonance spectroscopy in brain tumors, J Nucl Med 1990; **31:** 302
Heitmiller RF See **Kronthal AJ**
Heitmiller RF; Mathisen DJ; Ferry JA; et al: mucoepidermoid lung tumors, (ab), Radiology 1989; **173:** 290
Heitzman ER See **Randall PA**
Heitzman ER See **Scalzetti EM**
Heitzman ER: Kerley Pergamon lecture: the diaphragm. radiologic correlations with anatomy and pathology, Clin Radiol 1990; **42:** 15
Heitzman ER: pulmonary neoplastic and lymphoproliferative disease in AIDS: a review, Radiology 1990; **177:** 347
Heitzman ER: radiological diagnosis of pneumonia in the adult: a commentary, Semin Roentgenol 1989; **24:** 212
Heitzman ER: Radiological Society of North America 76th scientific assembly and annual meeting McCormick Place, Chicago, Illinois, Radiology 1990; **176:** 572
Heitzman ER; Siegelman SS: note of thanks, Radiology 1990; **177:** 875
Hekali P See **Hovi I**
Hekali P See **Soiva M**
Hekali P; Kajander H; Pajari R; et al: diagnostic significance of angiographically observed visceral aneurysms with regard to polyarteritis nodosa, Acta Radiol 1991; **32:** 143
Hekali PE See **Lamminen AE**
Hekmatpanah J See **Levin DN**
Helardot P See **Adamsbaum C**
Helbert M See **McCarty M**
Held KD See **Epp ER**
Heldaas J See **Hol PK**
Heldaas J See **Skjennald A**
Heldin C-H See **Claesson-Welsh L**
Heldt GP See **Nielson DW**
Helenon O See **Hanna S**
Helenon O; Chanin DS; Laval-Jeantet M; Frija J: artifacts on lung CT scans: removal with Fourier filtration, Radiology 1989; **171:** 572
Helenon OR See **Cornud FE**
Helfand S See **Evans SM**
Hellbardt A; Mirimanoff R-O; Obradovic M; et al: risk of second cancer (SC) in patients treated for testicular seminoma, Int J Radiat Oncol Biol Phys 1990; **18:** 1327
Helle PA See **Smit WGJM**
Hellenbrand WE; Allen HD; Golinko RJ; et al: balloon angioplasty for aortic recoarctation: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Radiology 1990; **177:** 296
Heller JG See **Abdul-Karim FW**
Heller K See **Belfar H**
Heller RM See **Hernanz-Schulman M**
Heller RM See **James AE Jr**
Heller RM See **Kirchner SG**
Hellman C; Zafrir N; Shimoni A; et al: evaluation of ventricular function with first-pass iridium-191m radionuclide angiocardiography, J Nucl Med 1989; **30:** 450
Hellman RS See **Holman BL**
Hellman RS See **Palmer DW**
Hellman RS See **Tikofsky RS**
Hellman RS; Tikofsky RS: overview of the contribution of regional cerebral blood flow studies in cerebrovascular disease: is there a role for single photon emission computed tomography?, Semin Nucl Med 1990; **20:** 303
Hellman RS; Tikofsky RS; Collier BD; Hoffmann RG; Palmer DW; Glatt SL; Antuono PG; Isitman AT; Papke RA: Alzheimer disease: quantitative analysis of I-123–iodoamphetamine SPECT brain imaging, Radiology 1989; **172:** 183
Hellmann J See **Costello S**
Hellstern A; Leuschner M; Frenk H; et al: gall stone dissolution with methyl tert-butyl ether: how to avoid complications, (ab), Radiology 1991; **178:** 587
Hellström M See **Swärd L**
Hellström M; Jacobsson B; Mårild S; et al: voiding cystourethrography as a predictor of reflux nephropathy in children with urinary-tract infection, AJR 1989; **152:** 801
Hellström M; Jacobsson B; Swärd L; et al: radiologic abnormalities of the thoraco-lumbar spine in athletes, Acta Radiol 1990; **31:** 127
Hellström P See **Päivänsalo M**
Helmcke F See **Mehta RH**
Helmcke F; de Souza A; Nanda NC; et al: two-dimensional and color Doppler assessment of ventricular septal defect of congenital origin, (ab), Radiology 1990; **174:** 293
Helmer E See **Higashida RT**
Helmer E See **Popovich MJ**
Helmer M See **Gritzmann N**
Helmig F-J See **Schneider K**
Helmig O See **Nielsen FF**
Helmke K See **Winkler P**
Helmrich GA; Stallworth JR; Brown JJ: angiodysplasia: characterization, diagnosis, and advances in treatment, (ab), JVIR 1991; **2:** 418
Helms CA See **Djukic S**
Helms CA See **Holt RG**
Helms CA See **Kaplan PA**
Helms CA See **Munk PL**
Helms CA See **Onik G**
Helms CA See **Winter DDB**
Helms CA; Kaban LB; McNeill C; Dodson T: temporomandibular joint: morphology and signal intensity characteristics of the disk at MR imaging, Radiology 1989; **172:** 817
Helms CA; Kaplan P: diagnostic imaging of the temporomandibular joint: recommendations for use of the various techniques, AJR 1990; **154:** 319
Helms CA; Munk PL: pseudopermeative skeletal lesions, Br J Radiol 1990; **63:** 461
Helms CA; Munk PL; Witt WS; Davis GW; Morris J; Onik G: retrorenal colon: implications for percutaneous diskectomy, Radiology 1989; **171:** 864
Helms CA; Onik G; Davis GW: automated percutaneous lumbar discectomy, Skeletal Radiol 1989; **18:** 579
Helpern JA See **Branch CA**
Helpern JA; Kao W; Gross B; et al: interleaved ^{31}P NMR with transcutaneous nerve stimulation (TNS): a method of monitoring compliance-independent skeletal muscle metabolic response to exercise, Magn Res Med 1989; **10:** 50
Helseth A; Helseth E; Unsgaard G: primary meningeal melanoma, Acta Oncol 1989; **28:** 103
Helseth E See **Helseth A**
Helus F See **Strauss LG**
Helvie MA See **Adler DD**
Helvie MA See **Rebner M**
Helvie MA; Adler DD; Rebner M; Oberman HA: breast hamartomas: variable mammographic appearance, Radiology 1989; **170:** 417
Helvie MA; Baker DE; Adler DD; Andersson I; Naylor B; Buckwalter KA: radiographically guided fine-needle aspiration of nonpalpable breast lesions, Radiology 1990; **174:** 657
Helvie MA; Hessler C; Frank TS; Ikeda DM: atypical hyperplasia of the breast: mammographic appearance and histologic correlation, Radiology 1991; **179:** 759
Helvie MA; Pennes DR; Rebner M; Adler DD: mammographic follow-up of low-suspicion lesions: compliance rate and diagnostic yield, Radiology 1991; **178:** 155
Helvie MA; Rubin J: evaluation of traumatic groin arteriovenous fistulas with duplex Doppler sonography, J Ultrasound Med 1989; **8:** 21
Helvie MA; Silver TM: ovarian torsion: sonographic evaluation, JCU 1989; **17:** 327
Helweg-Larsen S See **Boesen J**
Hemann LS See **Hawes DR**
Hemingway A See **Kalofonos HP**
Hemingway AP See **Belli A-M**
Hemli JA See **Blazer S**
Hemmati M; Rosengarten J; Hier DB: MR imaging in pseudoxanthoma elasticum, AJNR 1989; **10:** S60
Hemmati M; Thomas C; Patel DV: symptomatic intraspinal ganglion cyst of the nerve root sheath, AJNR 1989; **10:** S100
Hemmilä I See **Paajanen H**
Hemmingsen L See **Skovgaard N**
Hemmingsen L See **Thomsen HS**
Hemmingsson A See **Ericsson A**
Hemmingsson A See **Lönnemark M**
Hemmingsson A See **Sperber GO**
Hemmingsson A; Carlsten J; Ericsson A; et al: MR-cholangiography with a double contrast technique, Acta Radiol 1989; **30:** 29
Hemmingsson AL See **Nyman RS**
Henault S See **FitzGerald TJ**
Hendaoui L; Siala M; Fourati A; et al: case report: hydatid cyst of the aorta, Clin Radiol 1991; **43:** 423
Hendee WR See **McGivney WT**
Hendee WR See **Ritenour ER**
Hendee WR: AAPM tutorial: personal and public perceptions of radiation risks, Radiographics 1991; **11:** 1109
Hendee WR: cross sectional medical imaging: a history, Radiographics 1989; **9:** 1155
Hendee WR: information overload and management in radiology, AJR 1991; **156:** 1283
Hendee WR: technology assessment: the contribution of professional organizations, AJR 1990; **154:** 647
Hendee WR: technology transfer and cost constraints in medicine, Invest Radiol 1990; **25:** 745
Hendee WR; Wells PNT: visual perception as an opportunity for radiologic research, Invest Radiol 1989; **24:** 575
Hendel RC; McSherry BA; Leppo JA: myocardial uptake of indium-111-labeled antimyosin in acute subendocardial infarction: clinical, histochemical, and autoradiographic correlation of myocardial necrosis, J Nucl Med 1990; **31:** 1851
Henderson AR See **Brunet WG**
Henderson DC See **Henderson RG**
Henderson DK; Fahey BJ; Willy M; et al: risk for occupational transmission of human immunodeficiency virus type 1 (HIV-1) associated with clinical exposures: a prospective evaluation, (ab), JVIR 1991; **2:** 423
Henderson DR See **Millward SF**
Henderson IC See **Rose MA**
Henderson JM See **Martin LG**
Henderson MJ; Manhire AR: case report: cholesterol embolization following angiography, Clin Radiol 1990; **42:** 281
Henderson MJ; Wastie ML; Bromige M; et al: technetium-99m bone scintigraphy and mandibular condylar hyperplasia, Clin Radiol 1990; **41:** 411

Henderson RD See **Zalev AH**
Henderson RG; Henderson DC; Reid IN; et al: case report: splenic-gonadal fusion—the ultrasound appearances, Clin Radiol 1991; **44:** 117
Henderson RW See **Watanabe AT**
Hendren WH See **Jaramillo D**
Hendrich K; Garwood M; Merkle H; et al: spectroscopic imaging using variable angle excitation from adiabatic plane-rotation pulses, Magn Res Med 1991; **19:** 496
Hendrick RE See **Fullerton GD**
Hendrick RE See **Geis JR**
Hendrick RE See **Haus AG**
Hendrick RE See **McLelland R**
Hendrick RE See **Thickman D**
Hendrick RE: standardization of image quality and radiation dose in mammography, Radiology 1990; **174:** 648
Hendricks PJ; Keefe B; Wechsler RJ: value of CT in rectal villous tumors, JCAT 1989; **13:** 269
Hendrickson FR See **Cohen L**
Hendrickson FR See **Saroja KR**
Hendrickx P; Döhring W: thymic atrophy and rebound enlargement following chemotherapy for testicular cancer, Acta Radiol 1989; **30:** 263
Hendrickx P; Rieder P; Prokop M; et al: intravenous DSA and dynamic computed tomography for postoperative follow-up of type A aortic dissections, Eur J Radiol 1989; **9:** 158
Hendrie HC; Farlow MR; Austrom MG; et al: foci of increased T2 signal intensity on brain MR scans of healthy elderly subjects, AJNR 1989; **10:** 703
Hendriks AV See **Feldberg MA**
Hendrikx AJM; de la Rosette JJMCH; van Helvoort-van Dommelen CAM; et al: histological analysis of ultrasonic images of the prostate: an accurate technique, Ultrasound Med Biol 1990; **16:** 667
Hendrikx AJM; Doesburg WH; Reintjes AGM; et al: determination of prostatic volume by ultrasonography. a useful procedure in patients with prostatism?, (ab), Radiology 1989; **173:** 588
Hendrikx AJM; Doesburg WH; Reintjes AGM; et al: effectiveness of ultrasound in the preoperative evaluation of patients with prostatism, (ab), Radiology 1989; **172:** 587
Hendrix LE See **Daniels DL**
Hendrix LE See **Erickson SJ**
Hendrix LE See **Mark LP**
Hendrix LE; Kneeland JB; Haughton VM; et al: MR imaging of optic nerve lesions: value of gadopentetate dimeglumine and fat-suppression technique, AJNR 1990; **11:** 749
Hendrix LE; Kneeland JB; Haughton VM; et al: MR imaging of optic nerve lesions: value of gadopentetate dimeglumine and fat-suppression technique, AJR 1990; **155:** 849
Hendrix RW; Rogers LF: diagnostic imaging of fracture complications, Radiol Clin North Am 1989; **27:** 1023
Hendrix RW; Rogers LF; Davis TM Jr: cortical bone metastases, Radiology 1991; **181:** 409
Hendry GMA See **Abernethy LJ**
Hendry GMA See **Hendry PJ**
Hendry GMA See **McAteer EJ**
Hendry GMA See **Smart LM**
Hendry GMA See **Wilkinson AG**
Hendry GMA; Edmunds AT; Marshall TG; et al: sling left pulmonary artery with congenital airway stenosis: non-invasive investigation and conservative management?, Br J Radiol 1991; **64:** 629
Hendry JH See **Ewen C**
Hendry JH See **Jen Y-M**
Hendry JH See **Wallace WHB**
Hendry JH; Thames HD: fractionation sensitivity and the oxygen effect, Br J Radiol 1990; **63:** 79
Hendry PJ; Hendry GMA: observations on the use of Doppler ultrasound in multicystic dysplastic kidney, Pediatr Radiol 1991; **21:** 203
Henes CG; Bergmann SR; Walsh MN; et al: assessment of myocardial oxidative metabolic reserve with positron emission tomography and carbon-11 acetate, J Nucl Med 1989; **30:** 1489
Henin D See **Martin N**
Henjum A See **Skjennald A**
Henkelman RM See **Chen JC**
Henkelman RM See **Constable RT**
Henkelman RM See **Hardy PA**
Henkelman RM See **McVeigh ER**
Henkelman RM See **Martin AJ**
Henkelman RM See **Santyr GE**
Henkelman RM: diffusion-weighted MR imaging: a useful adjunct to clinical diagnosis or a scientific curiosity?, AJR 1990; **155:** 1066
Henkelman RM: does IVIM measure classical perfusion?, Magn Res Med 1990; **16:** 470
Henkelman RM; Kucharczyk W; Bronskill MJ: making magnetic resonance images and beyond, J Canad Assoc Radiol 1990; **41:** 8
Henkelman RM; Watts JF; Kucharczyk W: high signal intensity in MR images of calcified brain tissue, Radiology 1991; **179:** 199
Henkelmann GC See **Starkschall G**
Henkes H See **Cordes M**
Henkes H See **Schörner W**
Henkes H; Hosten N; Cordes M; et al: increased rCBF in gray matter heterotopias detected by SPECT using ^{99m}Tc hexamethyl-propylenamine oxime, Neuroradiol 1991; **33:** 310
Henkin R See **Chouraqui P**
Henkin RE See **Wagner RH**
Henle KJ See **Monson TP**
Hennel F; Jasinski A; Tomanek B: double EPI sequence with 180° RF pulses, Magn Res Med 1990; **16:** 161
Henneman PL; Marcus CS; Inkelis SH; et al: evaluation of children with possible appendicitis using technetium 99m leukocyte scan, (ab), Radiology 1990; **177:** 600
Hennerici M See **Mull M**
Hennerici M See **Steinke W**
Hennessey JG; Fishman EK; Kuhlman JE; et al: computer-based learning in radiology: a hypermedia application in CT, AJR 1990; **155:** 1317
Hennessy OF See **Cooper MA**
Hennessy OF; Ptasznik R; Chou ST; et al: retroperitoneal xanthogranuloma: report of two cases with a review of the literature, Australas Radiol 1990; **34:** 347
Hennig J See **Ernst T**
Hennig J: generalized MR interferography, Magn Res Med 1990; **16:** 390
Henrich D See **Matthaei D**
Henrich MM; Vester E; von der Lohe E; et al: comparison of 2-^{18}F-2-deoxyglucose and 15-(ortho-^{123}I-phenyl)-pentadecanoic acid uptake in persisting defects on thallium-201 tomography in myocardial infarction, J Nucl Med 1991; **32:** 1353
Henriksen O See **Jensen KE**
Henriksen O See **Kjaer L**
Henriksen O; Larsson H; Jensen KM: in vivo ^{1}H spectroscopy of the human brain at 1.5 tesla: preliminary experience at a clinical installation, Acta Radiol 1990; **31:** 181
Henriksen O; Ståhlberg F; Thomsen C; et al: in vivo evaluation of femoral blood flow measured with magnetic resonance, Acta Radiol 1989; **30:** 153
Henriksen O; Wieslander S; Gjerris F; et al: in vivo ^{1}H-spectroscopy of human intracranial tumors at 1.5 tesla: preliminary experience at a clinical installation, Acta Radiol 1991; **32:** 95
Henriksson L; Sundin A; Smedby Ö; et al: assessment of congestive heart failure in chest radiographs: observer performance with two common film-screen systems, Acta Radiol 1990; **31:** 469
Henriksson R See **Erlanson M**
Henriksson R; Grankvist K: interactions between anticancer drugs and other clinically used pharmaceuticals: a review, Acta Oncol 1989; **28:** 451
Henriksson R; Holm S; Littbrand B: interactions between antibiotics and antineoplastic drugs on antibacterial activity in vitro, Acta Oncol 1990; **29:** 43
Henriquez I See **Calvo FA**
Henry CD See **Moreno AJ**
Henry DA; Corcoran HL; Lewis TD; Barnhart GR; Szentpetery S; Lower RR: orthotopic cardiac transplantation: evaluation with CT, Radiology 1989; **170:** 343
Henry DA; Jolles H; Berberich JJ; et al: post-cardiac surgery chest radiograph: a clinically integrated approach, J Thorac Imag 1989; **4-3:** 20
Henry WD See **Curry NS**
Henry-Amar M See **Cosset JM**
Henry-Amar M; Hayat M; Meerwaldt JH; et al: causes of death after therapy for early stage Hodgkin's disease entered on EORTC protocols, Int J Radiat Oncol Biol Phys 1990; **19:** 1155
Henschke C See **Deck MDF**
Henschke CI See **Davis SD**
Henschke CI See **Yankelevitz DF**
Henschke CI; Davis SD; Romano PM; et al: pathogenesis, radiologic evaluation, and therapy of pleural effusions, Radiol Clin North Am 1989; **27:** 1241
Henschke CI; Davis SD; Romano PM; et al: pleural effusions: pathogenesis, radiologic evaluation, and therapy, J Thorac Imag 1989; **4-1:** 49
Henschke CI; Saint-Louis LA; Balter S; et al: optimizing radiologic costs in the DRG environment, Invest Radiol 1990; **25:** 194
Henshaw DL See **Richardson RB**
Hensley KS See **Bramble JM**
Henson DE See **Carter CL**
Henson JHL See **Jeans WD**
Hentschel D See **Terrier F**
Henze A; Freise J; Magerstedt P; et al: radio-opaque liposomes for the improved visualization of focal liver disease by computerized tomography, Comput Med Imag Graph 1989; **13:** 455
Henze E See **Weller R**
Henze E; Roth J; Baehren W: renal angiolipomas combined with renal cystic disease in tuberous sclerosis, Eur J Radiol 1989; **9:** 125
Heran F See **Brugieres P**
Heran F; Defer G; Brugieres P; et al: cortical blindness during chemotherapy: clinical, CT, and MR correlations, JCAT 1990; **14:** 262
Herbe E See **Uhlenbrock D**
Herbert CM III See **Fleischer AC**
Herbert DE See **Littleton JT**
Herbert SH; Curran WJ Jr; Solin LJ; et al: decreasing gastrointestinal morbidity with the use of small bowel contrast during treatment planning for pelvic irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 835
Herbetko J; Batty V; Millar JGB: illustrative case: enough to raise one's blood pressure, Br J Radiol 1989; **62:** 1026
Herbetko J; Brunton FJ: enteroliths of small bowel diverticula, Clin Radiol 1991; **43:** 311
Herbetko J; Fache JS; Hoskins S; Hacking N; Dewbury KC: diagnostic fine-needle puncture of the gallbladder, Radiology 1991; **180:** 586
Herbetko J; Hyde I: urinary tract dilatation in constipated children, Br J Radiol 1990; **63:** 855
Herborn G See **Sandrock D**
Herbst M See **Seegenschmiedt MH**
Herbst M; Fröder M: digital tumor fluoroscopy (DTF)—a new direct imaging system in the therapy planning for brain tumors, Int J Radiat Oncol Biol Phys 1990; **18:** 221
Heresbach D See **Bretagne J-F**
Herfkens RJ See **Kuethe DO**
Herfkens RJ See **Maynor CH**
Herfkens RJ See **Modic MT**
Herfkens RJ See **Nokes SR**
Herfkens RJ See **Posteraro RH**
Herfkens RJ See **Youker JE**
Herholz K See **Heiss W-D**
Herholz K See **Luyten PR**
Herholz K See **Pietrzyk U**
Herholz K See **Wienhard K**
Hering ER; Sealy R; Korrubel JB; et al: iodine-125 applicator designed for irradiating blood vessels growing into the cornea of the eye, Br J Radiol 1989; **62:** 266
Herlinger H See **Levine MS**
Herlinger H See **Maglinte DDT**
Herlinger H See **Rubesin SE**
Herman GT See **Kohn MI**
Herman GT: tracking of boundaries in multidimensional medical images, Comput Med Imag Graph 1991; **15:** 257
Herman KJ See **James JM**
Herman KJ See **Rose MR**
Herman M See **Brezis M**
Herman MG See **Lam W-C**
Herman PG See **Khan A**
Herman PG See **Murata K**
Herman PG See **Noma S**
Herman PG; Khan A; Kallman CE; Rojas KA; Carmody DP; Bodenheimer MM: limited correlation of left ventricular end-diastolic pressure with radiographic assessment of pulmonary hemodynamics, Radiology 1990; **174:** 721
Herman S See **Chong BW**
Herman SJ See **Foo S-S**
Herman SJ See **Keshavjee SH**
Herman SJ See **Morrish WF**
Herman SJ See **Rappaport DC**
Herman SJ See **Spouge AR**
Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW: anterior mediastinal masses: utility of transthoracic needle biopsy, Radiology 1991; **180:** 167
Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group: single-lung transplantation: imaging features, Radiology 1989; **170:** 89
Herman SJ; Weisbrod GL: usefulness of the blood patch technique after transthoracic needle aspiration biopsy, Radiology 1990; **176:** 395
Herman SJ; Weisbrod GL; Weisbrod L; et al: chest radiographic findings after bilateral lung transplantation, AJR 1989; **153:** 1181
Herman T See **McAlister WH**
Herman TE; McAlister WH: epiglottic enlargement: two unusual causes, Pediatr Radiol 1991; **21:** 139
Herman TE; McAlister WH: inherited diseases of bone density in children, Radiol Clin North Am 1991; **29:** 149
Herman TE; McAlister WH: radiographic manifestations of congenital anomalies of the lower urinary tract, Radiol Clin North Am 1991; **29:** 365

Herman TE; McAlister WH; Rosenthal D; et al: case report 691, Skeletal Radiol 1991; **20:** 472
Herman TE; Siegel MJ: central dot sign on CT of liver cysts, JCAT 1990; **14:** 1019
Herman TE; Siegel MJ: cervical and basicranial diastematomyelia, AJR 1990; **154:** 806
Herman TE; Siegel MJ: CT of acute spleen torsion in children with wandering spleen, AJR 1991; **156:** 151
Herman TE; Siegel MJ: CT of the pancreas in children, AJR 1991; **157:** 375
Herman TE; Siegel MJ: polysplenia syndrome with congenital short pancreas, AJR 1991; **156:** 799
Herman TE; Siegel MJ: pyramidal hyperechogenicity in autosomal recessive polycystic kidney disease resembling medullary nephrocalcinosis, Pediatr Radiol 1991; **21:** 270
Herman TE; Siegel MJ; McAlister WH: cardiac tumor in Gorlin syndrome: nevoid basal cell carcinoma syndrome, Pediatr Radiol 1991; **21:** 234
Herman TE; Siegel MJ; McAlister WH: focal fibrocartilaginous dysplasia associated with tibia vara, Radiology 1990; **177:** 767
Herman TS See **Holden SA**
Herman TS See **Teicher BA**
Herman TS; Jochelson MS; Teicher BA; et al: phase I-II trial of cisplatin, hyperthermia and radiation in patients with locally advanced malignancies, Int J Radiat Oncol Biol Phys 1989; **17:** 1273
Herman TS; Teicher BA; Chan V; et al: effect of heat on the cytotoxicity and interaction with DNA of a series of platinum complexes, Int J Radiat Oncol Biol Phys 1989; **16:** 443
Herman TS; Teicher BA; Holden SA: trimodality therapy (drug/hyperthermia/radiation) with BCNU or mitomycin C, Int J Radiat Oncol Biol Phys 1990; **18:** 375
Hermann G See **Abdelwahab IF**
Hermann G See **Berson B**
Hermann G See **Mitty HA**
Hermann G See **Norton KI**
Hermann G; Abdelwahab IF; Berson BD; et al: case report 621, Skeletal Radiol 1990; **19:** 379
Hermann G; Abdelwahab IF; Klein MJ; et al: case report 603, Skeletal Radiol 1990; **19:** 367
Hermann G; Abdelwahab IF; Klein MJ; et al: case report 644, Skeletal Radiol 1990; **19:** 613
Hermann G; Keller RJ; Halton K; et al: nonpalpable ductal carcinoma in situ versus infiltrating carcinoma of the breast—can they be differentiated by mammography?, J Canad Assoc Radiol 1991; **42:** 219
Hermann G; Keller RJ; Schwartz IS; et al: nonpalpable breast masses: radiologic predictability of malignancy, J Canad Assoc Radiol 1990; **41:** 130
Hermann G; Wagner LD; Gendal ES; Ragland RL; Ulin RI: spinal cord compression in type I Gaucher disease, Radiology 1989; **170:** 147
Hermann G; Wagner LD; Klein MJ; et al: case report 541, Skeletal Radiol 1989; **18:** 241
Hermann GA See **Goin JE**
Hermans H See **van Krieken JHJM**
Hermans J See **Obermann WR**
Hermans J See **Vogel HJP**
Hermes RE See **Wong JW**
Hermreck AS See **Delcore R Jr**
Hernandez RJ See **Caron KH**
Hernandez RJ See **Gyves-Ray K**
Hernandez RJ See **Schlesinger AE**
Hernandez RJ See **Zerin JM**
Hernandez RJ; Headington JT; Kaufman RA; et al: case report 511, Skeletal Radiol 1989; **18:** 43
Hernandez RJ; Keim DR; Sullivan DB; et al: magnetic resonance imaging appearance of the muscles in childhood dermatomyositis, (ab), Radiology 1991; **180:** 296
Hernandez RJ; Rocchini AP; Bove EL; et al: MRI of surgically created pulmonary artery narrowing in the dog, Pediatr Radiol 1989; **20:** 52
Hernandez TJ See **Shawl FA**
Hernandez-Graulau JM See **Castaneda F**
Hernanz-Schulman M See **Ambrosino MM**
Hernanz-Schulman M See **Kirchner SG**
Hernanz-Schulman M See **Lubat E**
Hernanz-Schulman M See **Marks F**
Hernanz-Schulman M See **Tozzi R**
Hernanz-Schulman M: hyperechoic renal medullary pyramids in infants and children, Radiology 1991; **181:** 9
Hernanz-Schulman M: value of sonography in acute encephalomalacia, Radiology 1991; **180:** 880
Hernanz-Schulman M; Ambrosino MM; Genieser NB; et al: current evaluation of the patient with abnormal visceroatrial situs, AJR 1990; **154:** 797
Hernanz-Schulman M; Genieser NB; Ambrosino MM; et al: bilateral duplex ectopic ureters terminating in the seminal vesicles: sonographic and CT diagnosis, Urol Radiol 1989; **11:** 49
Hernanz-Schulman M; Genieser NB; Ambrosino MM: sonographic diagnosis of intramural duodenal hematoma, J Ultrasound Med 1989; **8:** 273
Hernanz-Schulman M; Stein SM; Neblett WW; Atkinson JB; Kirchner SG; Heller RM; Merrill WH; Fleischer AC: pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax, Radiology 1991; **180:** 817
Herning M See **Olsen TS**
Herning M See **Praestholm J**
Herold C See **Mostbeck GH**
Herold C See **Schurawitzki H**
Herold CJ See **Cova M**
Herold CJ See **Wolff KA**
Herold CJ; Brown RH; Mitzner W; Links JM; Hirshman CA; Zerhouni EA: assessment of pulmonary airway reactivity with high-resolution CT, Radiology 1991; **181:** 369
Herold CJ; Kramer J; Sertl K; Kalhs P; Mallek R; Imhof H; Tscholakoff D: invasive pulmonary aspergillosis: evaluation with MR imaging, Radiology 1989; **173:** 717
Herold CJ; Kuhlman JE; Zerhouni EA: pulmonary atelectasis: signal patterns with MR imaging, Radiology 1991; **178:** 715
Herold T See **Dewanjee MK**
Heron CW See **Husband JES**
Heron CW See **Williams MP**
Heron CW; Ponder BAJ; Hunter-Craig ID: case report: CT scanning as an adjunct to screening for medullary carcinoma of the thyroid, Clin Radiol 1990; **41:** 209
Heros DO See **Clayman DA**
Heros RC See **Ogilvy CS**
Heros RC: thrombosis for superior sagittal sinus thrombosis: commentary, JVIR 1991; **2:** 93
Herpst J See **Zinreich ES**
Herpst JM See **Vriesendorp HM**
Herr MD See **McInerney JJ**
Herrera J See **Martinez HR**
Herrera M See **Hunter DW**
Herrera MA See **Zagoria RJ**
Herrero P; Markham J; Bergmann SR: quantitation of myocardial blood flow with $H_2{}^{15}O$ and positron emission tomography: assessment and error analysis of a mathematical approach, JCAT 1989; **13:** 862
Herrin JT See **Blickman JG**
Herring FG See **Phillips PS**
Herring FG; Phillips PS; Pritchard H; et al: proton NMR of blood plasma and the test for cancer, Magn Res Med 1990; **16:** 35
Herrlin K; Ling LB; Pettersson H; et al: gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging, Acta Radiol 1990; **31:** 233
Herrlin K; Willén H; Rydholm A: deep-seated soft tissue leiomyomas: report of four patients, Skeletal Radiol 1990; **19:** 363
Herrmann T; Granjon D; Loboguerrero A; et al: Tc-99m HMPAO leukocyte uptake in articular gout, Clin Nucl Med 1991; **16:** 457
Herron KG See **Grant ME**
Herschkowitz S See **Sujov P**
Herschorn S See **Klotz LH**
Herschorn S See **Vieco PT**
Herschorn SD See **Fraser-Hill MA**
Herskovitz P See **Hadar H**
Herskowitz MM; Sclafani SJA: acute traumatic dissection of the common iliac arteries with spontaneous healing: case report, Cardiovasc Intervent Radiol 1990; **13:** 364
Hertz M See **Apter S**
Hertz M See **Ben-Ami T**
Hertz M See **Zissin R**
Hertz M; Rubinstein ZJ; Apter S: vesicoureteral reflux simulating renal function: CT appearance, Pediatr Radiol 1991; **21:** 106
Hertzanu Y; Bar-Ziv J: case report 606, Skeletal Radiol 1990; **19:** 225
Hertzanu Y; Bar-Ziv J; Freund U: computed tomography of unusual calcified pancreatic tumors, JCAT 1989; **13:** 75
Hertzanu Y; Berginer J; Berginer VM: computed tomography of tendinous xanthomata in cerebrotendinous xanthomatosis, Skeletal Radiol 1991; **20:** 99
Hertzanu Y; Hirsch M; Peiser J; et al: computed tomography of elephantiasis neuromatosa, JCAT 1989; **13:** 156
Hertzanu Y; Peiser J; Zirkin H: massive bleeding after fine needle aspiration of liver angiosarcoma, Gastrointest Radiol 1990; **15:** 43
Hertzberg BS See **Betz BW**
Hertzberg BS See **Carson SC**
Hertzberg BS See **Distell BM**
Hertzberg BS See **Genkins SM**
Hertzberg BS See **Karis JP**
Hertzberg BS See **Roubidoux MA**
Hertzberg BS See **Weber TM**
Hertzberg BS; Bowie JD: fetal gastrointestinal abnormalities, Radiol Clin North Am 1990; **28:** 101
Hertzberg BS; Bowie JD: ultrasound of the postpartum uterus: prediction of retained placental tissue, J Ultrasound Med 1991; **10:** 451
Hertzberg BS; Bowie JD; Carroll BS; Killam AP; Ruiz P: normal sonographic appearance of the fetal neck late in the first trimester: the pseudomembrane, Radiology 1989; **171:** 427
Hertzberg BS; Bowie JD; Weber TM; et al: sonography of the cervix during the third trimester pregnancy: value of the transperineal approach, AJR 1991; **157:** 73
Hertzberg BS; Burger PC; Bowie JD; et al: sonographic characteristics of small cerebral blood vessels: an in vivo and postmortem study, J Ultrasound Med 1990; **9:** 697
Hertzberg BS; Kay HH; Bowie JD: fetal choroid plexus lesions: relationship of antenatal sonographic appearance to clinical outcome, J Ultrasound Med 1989; **8:** 77
Hertzberg VS See **Gelfand MJ**
Hertzberg VS See **Maxon HR III**
Hertzer NR See **Kline RM Jr**
Hertzler G See **Bernardino M**
Hertzler GL See **Chezmar JL**
Héry M See **Courdi A**
Herzberg AJ See **Cohan RH**
Herzberg GZ See **Gearhart JP**
Herzenberg JE See **Blane CE**
Herzog H See **Kops ER**
Herzog H; Lamprecht A; Kühn A; et al: cortical activation in profoundly deaf patients during cochlear implant stimulation demonstrated by $H_2{}^{15}O$ PET, JCAT 1991; **15:** 369
Herzog S; Mafee M: synovial chondromatosis of the TMJ: MR and CT findings, AJNR 1990; **11:** 742
Hesla RB; Karlson LK; McCauley RGK: milk of calcium fluid collection in dermatomyositis: ultrasound findings, Pediatr Radiol 1990; **20:** 344
Hesp R See **Sambrook PN**
Hess CF See **Schmiedl U**
Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B: diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Radiology 1989; **171:** 349
Hess MJ See **Gould KL**
Hess S See **McEachron DL**
Hessel S See **Vorwerk D**
Hessel SJ See **Levy JM**
Hessel SJ; Levy JM; Dickey JE; Horsley WW; Cook GC: value of laser-assisted angioplasty in the community hospital: reply, Radiology 1989; **173:** 877
Hesselink JR See **Black ML**
Hesselink JR See **Chamberlain MC**
Hesselink JR See **Chrysikopoulos HS**
Hesselink JR See **Javrik JG**
Hesselink JR See **Riccio TJ**
Hesselink JR See **Schwaighofer BW**
Hesselink JR See **Segall HD**
Hesselink JR See **Spoto GP**
Hesselink JR See **Sze G**
Hesselink JR See **Tien RD**
Hesselink JR; Martin JF; Edelman RR: fast imaging, Neuroradiol 1990; **32:** 348
Hesser U See **Rudberg U**
Hessler C See **Helvie MA**
Hessler C See **Kazerooni E**
Hestrin LB See **Litvack F**
Hetherington HP See **Hubesch B**
Hetherington HP See **Pan JW**
Hetherington HP See **Weiner MW**
Hettiaratchi P See **Koch CJ**
Hetzel DJ; Stanhope CR; O'Neill BP; et al: gynecologic cancer in patients with subacute cerebellar degeneration predicted by anti-Purkinje cell antibodies and limited in metastatic volume, (ab), Radiology 1991; **180:** 589
Hetzel FW: biologic rationale for hyperthermia, Radiol Clin North Am 1989; **27:** 499
Hetzel FW; Avery K; Chopp M: hyperthermic "dose" dependent changes in intralesional pH, Int J Radiat Oncol Biol Phys 1989; **16:** 183
Hetzler D See **Fontanesi J**
Heuck AF See **Lehner KB**
Heuck AF See **Steiger P**
Heuck AF; Steiger P; Stoller DW; et al: quantification of knee joint fluid volume by MR imaging and CT using three-dimensional data processing, JCAT 1989; **13:** 287
Heveron ED See **Brogdon BG**
Hevrøy O See **Kløw N-E**
Hewitt B See **Michael R**
Hewitt KA See **Pate BD**
Hewson EG See **Chen YM**
Hewson EG See **Ott DJ**
Hewson EG; Dalton CB; Hackshaw BT; et al: prevalence of abnormal esophageal test results in patients with cardiovascular disease and unexplained chest pain, (ab), Radiology 1990; **177:** 290

Heydemann J See **Wilbur AC**
Heyder N See **Ell C**
Heyen F See **Lette J**
Heyer NJ See **Rosenstock L**
Heyerman HGM See **Tjon A Tham RTO**
Heyl PS See **Landy HJ**
Heyman S See **Dravid VS**
Heyman S See **Glass T**
Heyman S See **Kim CK**
Heyman S See **St. George JK**
Heyman S See **Wegener WA**
Heyman S: radionuclide salivagram for detecting the pulmonary aspiration of saliva in an infant, Pediatr Radiol 1989; **19:** 208
Heyman S; McCarthy KE: arteriovenous malformation of the small bowel demonstrated during the flow phase of a Meckel's scan, Clin Nucl Med 1990; **15:** 119
Heyman S; Respondek M: detection of pulmonary aspiration in children by radionuclide "salivagram", J Nucl Med 1989; **30:** 697
Heyman Z See **Shmulewitz A**
Heyman Z See **Zwas ST**
Heyner S See **Abraham V**
Heyns AdP See **Kotzé HF**
Heyns CF; van Gelderen WFC: three-dimensional imaging of the pelviocaliceal system by computerized tomographic reconstruction, (ab), Radiology 1991; **180:** 293
Heywang SH See **Fink U**
Heywang SH; Hilbertz T; Beck R; et al: Gd-DTPA enhanced MR imaging of the breast in patients with postoperative scarring and silicon implants, JCAT 1990; **14:** 348
Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W: MR imaging of the breast with Gd-DTPA: use and limitations, Radiology 1989; **171:** 95
Hiatt JR; Gomes AS; Machleder HI: massive splenomegaly: superior results with a combined endovascular and operative approach, (ab), JVIR 1991; **2:** 295
Hibri N See **Truwit CL**
Hicken P; Martin J; Hakanson S: computed tomography demonstration of subarachnoid–pleural fistula, J Canad Assoc Radiol 1990; **41:** 222
Hickey AE See **Litvack F**
Hickey DP See **Hardeman SW**
Hickey NM; Robertson JG; Coristine M: integrated radiologic information system: a radiology multimedia communication system, J Thorac Imag 1990; **5-1:** 77
Hickey SA See **Guy RL**
Hicklin OA See **Chung CJ**
Hickman M See **Burton EM**
Hicks IP; Barter SJ; Carr DH; et al: abnormal regional distribution of ventilation in middle-aged smokers: comparison of changes in $^{81}Kr^{m}$ ventilation scans and computed tomography of the lung, Clin Radiol 1990; **41:** 347
Hicks K; Ganti G; Mullani N; et al: automated quantitation of three-dimensional cardiac positron emission tomography for routine clinical use, J Nucl Med 1989; **30:** 1787
Hicks M; McGraw D; Rubin B; et al: canine model of paired graft thrombosis, Invest Radiol 1991; **26:** 254
Hicks ME See **Bower BL**
Hicks ME See **Lang EV**
Hicks ME See **Picus D**
Hicks ME See **Rollins ES**
Hicks ME See **Surratt RS**
Hicks ME; Middleton WD; Picus D; Darcy MD; Kleinhoffer MA: prevalence of local venous thrombosis after transfemoral placement of a bird's nest vena caval filter, JVIR 1990; **1:** 63
Hicks ME; Picus D; Darcy MD; Kleinhoffer MA: multilevel infusion catheter for use with thrombolytic agents, JVIR 1991; **2:** 73
Hicks ME; Surratt RS; Picus D; et al: fluoroscopically guided percutaneous gastrostomy and gastroenterostomy: analysis of 158 consecutive cases, AJR 1990; **154:** 725
Hicks R See **Schwaiger M**
Hicks RJ See **Kotzerke J**
Hicks RJ; Gross MD: identification of an infected seroma by triple-phase bone scintigraphy and instillation of Tc-99m sulfur colloid, Clin Nucl Med 1991; **16:** 268
Hicks RJ; Kalff V; Brazenor G; et al: radionuclide assessment of a system for slow intrathecal infusion of drugs, Clin Nucl Med 1989; **14:** 275
Hicks RJ; Wood B; Kalff V; et al: normalization of left ventricular ejection fraction following resection of pheochromocytoma in a patient with dilated cardiomyopathy, Clin Nucl Med 1991; **16:** 413
Hicks RJ; Young W; Shapiro B; et al: absent splenic uptake of indium-111-oxine-labeled autologous leukocytes in functional asplenia, J Nucl Med 1991; **32:** 524
Hickson ID See **Carmichael J**
Hickson ID See **Stratford IJ**
Hida K See **Nakada T**
Hidaka A See **Katsushima S**
Hidaka T See **Akiyama H**
Hidalgo EG See **Abad J**
Hiehle JF Jr; Levine MS: gastrointestinal toxicity of 5-FU and 5-FUDR: radiographic findings, J Canad Assoc Radiol 1991; **42:** 109
Hier DB See **Hemmati M**
Hier DB See **Patel DV**
Hieshima GB See **Barnwell SL**
Hieshima GB See **Halbach VV**
Hieshima GB See **Higashida RT**
Hietala S-O See **Billström A**
Hietala S-O See **Rasmuson T**
Hietala S-O See **Sunnegårdh O**
Hietala S-O; Segerstedt B; Wirell S; et al: effects of contrast media on renal graft function and survival after cerebral angiography of cadaveric donors, Acta Radiol 1989; **30:** 317
Higa T See **Nishizawa S**
Higaki J See **Okada A**
Higano C See **Russell KJ**
Higano S; Shishido F; Nagashima M; et al: PET evaluation of spinal cord tumor using ^{11}C-methionine, JCAT 1990; **14:** 297
Higashi S See **Matsuda H**
Higashi T; Shindo J; Everhart FR Jr; et al: technetium-99m pertechnetate and gallium-67 imaging in salivary gland disease, Clin Nucl Med 1989; **14:** 504
Higashi TS; Takizawa K; Suzuki S; et al: Müllerian duct cyst: ultrasonographic and computed tomographic spectrum, Urol Radiol 1990; **12:** 39
Higashida RT See **Barnwell SL**
Higashida RT See **Halbach VV**
Higashida RT See **Yang PJ**
Higashida RT; Halbach VV; Barnwell SL; et al: treatment of intracranial aneurysms with preservation of the parent vessel: results of percutaneous balloon embolization in 84 patients, (ab), JVIR 1991; **2:** 421
Higashida RT; Halbach VV; Barnwell SL; et al: treatment of intracranial aneurysms with preservation of the parent vessel: results of percutaneous balloon embolization in 84 patients, AJNR 1990; **11:** 633
Higashida RT; Halbach VV; Dormandy B; et al: new microballoon device for transluminal angioplasty of intracranial arterial vasospasm, AJNR 1990; **11:** 233
Higashida RT; Halbach VV; Dormandy B; Bell JD; Hieshima GB: endovascular treatment of intracranial aneurysms with a new silicone microballoon device: technical considerations and indications for therapy, Radiology 1990; **174:** 687
Higashida RT; Halbach VV; Dowd CF; Barnwell SL; Hieshima GB: intracranial aneurysms: interventional neurovascular treatment with detachable balloons—results in 215 cases, Radiology 1991; **178:** 663
Higashida RT; Halbach VV; Tsai FY; et al: interventional neurovascular treatment of traumatic carotid and vertebral artery lesions: results in 234 cases, AJR 1989; **153:** 577
Higashida RT; Helmer E; Halbach VV; et al: direct thrombolytic therapy for superior sagittal sinus thrombosis, AJNR 1989; **10:** S4
Higashihara H See **Okazaki M**
Higashihara T See **Akira M**
Higenbottam TW See **Millet B**
Higer HP See **Einig M**
Higer HP See **Just M**
Higer HP See **Pedrosa P**
Higer HP: femoral capital osteonecrosis, Radiology 1990; **174:** 282
Higgins CB See **Auffermann W**
Higgins CB See **Barakos JA**
Higgins CB See **Brown JJ**
Higgins CB See **Caputo GR**
Higgins CB See **Lynch DA**
Higgins CB See **Masui T**
Higgins CB See **Olofsson PA**
Higgins CB See **Saeed M**
Higgins CB See **Seelos KC**
Higgins CB See **Semelka RC**
Higgins CB See **White RD**
Higgins CB See **Youker JE**
Higgins CB: success of acute thrombolytic therapy in acute myocardial infarction: what does it demand from cardiac imaging in the 1990s?, Radiology 1989; **172:** 17
Higgins CB; Saeed M; Wendland MF: magnetic resonance contrast media for myocardial imaging, Invest Radiol 1990; **25:** S74
Higgins CB; Saeed M; Wendland M; et al: magnetic resonance spectroscopy of the heart: overview of studies in animals and man, Invest Radiol 1989; **24:** 962
Higgins PD See **Sibata CH**
Higgins RV See **van Nagell JR Jr**
Higgins WL: infiltrated retrocrural space following thoracic aorta trauma: CT evaluation, JCAT 1989; **13:** 949
Higginson LAJ See **Taylor RS**
Highman JH See **Dawood RM**
Higuchi N See **Ishibashi H**
Higuchi T See **Ebisu T**
Hihara T See **Araki T**
Hihara T; Araki T; Katou K; et al: cystic cavernous hemangioma of the liver, Gastrointest Radiol 1990; **15:** 112
Hijdra A See **Limburg M**
Hikita H See **Kawamura Y**
Hilal SK See **Oh CH**
Hilal SK See **Ra JB**
Hilaris B See **Peretz T**
Hilbert P See **Kurtz AB**
Hilbertz T See **Fink U**
Hilbertz T See **Heywang SH**
Hildebolt CF See **Burge HJ**
Hildebolt CF See **Mann FA**
Hildebolt CF See **Pilgram TK**
Hildebolt CF See **Vannier MW**
Hilditch T See **Fullarton GM**
Hiles PA See **Ramsdale ML**
Hilf R See **Ceckler TL**
Hilgenberg AD; Carey RW; Wilkins EW Jr; et al: preoperative chemotherapy, surgical resection, and selective postoperative therapy for squamous cell carcinoma of the esophagus, (ab), Radiology 1989; **170:** 286
Hilgers TW; Dvorak AD; Tamisiea DF; et al: sonographic definition of the empty follicle syndrome, J Ultrasound Med 1989; **8:** 411
Hill A See **Lupton BA**
Hill A See **McBride H**
Hill A See **Roland EH**
Hill BT; Price LA: role of adjuvant chemotherapy in the treatment of advanced head and neck cancer, Acta Oncol 1990; **29:** 695
Hill BT; Shellard SA; Hosking LK; et al: enhanced DNA repair and tolerance of DNA damage associated with resistance to *cis*-diammine-dichloroplatinum (II) after *in vitro* exposure of a human teratoma cell line to fractionated x-irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 75
Hill CK; Ten Haken RK; Awschalom M: lethal effects of FERMILAB fast neutrons vary with the depth of cells in a water phantom, Int J Radiat Oncol Biol Phys 1991; **20:** 1341
Hill CR: future for radiological science? British Institute of Radiology Presidential Address 1990, Br J Radiol 1991; **64:** 289
Hill CR: parameters recommended by organizations to characterize acoustic output of diagnostic equipment: overview, Ultrasound Med Biol 1989; **15:** S15
Hill EC See **Carrington BM**
Hill GA See **Fleischer AC**
Hill JA See **Feldman RL**
Hill JA; Miranda AA; Keim SG; et al: value of right-sided cardiac catheterization in patients undergoing left-aided cardiac catheterization for evaluation of coronary artery disease, (ab), Radiology 1990; **177:** 293
Hill JC See **Handler LC**
Hill JM See **Bizzi A**
Hill LC See **Barr LL**
Hill LM See **Belfar HL**
Hill LM; Guzick D; Fries J; et al: fetal loss rate after ultrasonically documented cardiac activity between 6 and 14 weeks, menstrual age, JCU 1991; **19:** 221
Hill LM; Kislak S; Belfar HL: sonographic diagnosis of urachal cysts in utero, JCU 1990; **18:** 434
Hill LM; Peterson C; Rivello D; et al: sonographic detection of the fetal pancreas, JCU 1989; **17:** 475
Hill LR See **Wong JYC**
Hill MC See **Huntington DK**
Hill MC See **Jacobs JM**
Hill RM See **Deter RL**
Hill RM See **Stefos T**
Hill RP See **Bristow RG**
Hill RP; Gulyas S; Whitmore GF: toxicity of RSU-1069 for KHT cells treated *in vivo* or *in vitro*: evidence for a diffusible toxic product, Int J Radiat Oncol Biol Phys 1989; **16:** 1111
Hill RP; Milas L: proportion of stem cells in murine tumors, Int J Radiat Oncol Biol Phys 1989; **16:** 513
Hill SC See **Huntington DK**
Hill SC; Hoeg JM; Avila NA: nephrocalcinosis in homozygous familial hypercholesterolemia: ultrasound and CT findings, JCAT 1991; **15:** 101
Hill SL; Berry RE: subclavian vein thrombosis: a continuing challenge, (ab), JVIR 1990; **1:** 137
Hill SL; Berry RE: subclavian vein thrombosis: a continuing challenge, (ab), Radiology 1991; **178:** 295
Hill T See **Edelman RR**
Hill TC See **Walovitch RC**
Hill WC See **Siffring PA**
Hillarp B See **Sundkvist G**

Hillarp B; Rosén I; Wickström O: videoradiography at submental electrical stimulation during apnea in obstructive sleep apnea syndrome: a case report, Acta Radiol 1991; **32:** 256
Hillel AD See **Ricciardelli E**
Hilleman DE See **Siffring PA**
Hillemeier AC See **Gyves-Ray K**
Hillen B See **Scholten FG**
Hillerdal G: rounded atelectasis: clinical experience with 74 patients, (ab), Radiology 1989; **173:** 592
Hilleren DJ; Andersson IT; Lindholm K; Linnell FS: invasive lobular carcinoma: mammographic findings in a 10-year experience, Radiology 1991; **178:** 149
Hillman BJ See **Fajardo LL**
Hillman BJ See **Ferrell WR**
Hillman BJ See **Osborn AG**
Hillman BJ See **Strautman PR**
Hillman BJ: imaging advances in the diagnosis of renovascular hypertension, AJR 1989; **153:** 5
Hillman BJ: imaging diagnosis of renovascular hypertension, Urol Radiol 1990; **12:** 130
Hillman BJ: selection and training of radiology researchers, Radiology 1990; **174:** 887
Hillman BJ: whose turf is imaging? independent practice, academics, and research, AJR 1991; **156:** 443
Hillman BJ; Fajardo LL; Witzke DB; et al: factors influencing radiologists to choose research careers, Invest Radiol 1989; **24:** 842
Hillman BJ; Fajardo LL; Witzke DB; et al: factors influencing the success of academic radiologists in publishing research, Invest Radiol 1989; **24:** 849
Hillman BJ; Fajardo LL; Witzke DB; Cardenas D; Irion M; Fulginiti JV: influences affecting radiologists' choices of academic or private practice careers, Radiology 1990; **174:** 561
Hillman BJ; Kahan JP; Neu CR; et al: clinical trials to evaluate cost-effectiveness, Invest Radiol 1989; **24:** 167
Hillman BJ; Witzke DB; Fajardo LL; et al: research and research training in academic radiology departments: a survey of department chairmen, Invest Radiol 1990; **25:** 587
Hillman GR; Kent TA; Kaye A; et al: measurement of brain compartment volumes in MR using voxel composition calculations, JCAT 1991; **15:** 640
Hilmann J See **Fritzsch T**
Hilpert P See **Kurtz AB**
Hilpert PL See **Goldberg BB**
Hilpert PL See **Mitchell DG**
Hilpert PL; Goldberg BB; Kurtz AB: pediatric case of the day, Radiographics 1990; **10:** 950
Hilpert PL; Kurtz AB: prenatal diagnosis of agenesis of the corpus callosum using endovaginal ultrasound, J Ultrasound Med 1990; **9:** 363
Hilpert PL; Kurtz AB: role of transvaginal ultrasound in the second and third trimesters, Semin US CT MR 1990; **11:** 59
Hilpert PL; Mattrey RF; Mitten RM; et al: IV injection of air-filled human albumin microspheres to enhance arterial Doppler signal: a preliminary study in rabbits, AJR 1989; **153:** 613
Hilsenrath PE; Smith WL; Berbaum KS; et al: analysis of the cost-effectiveness of PACS, AJR 1991; **156:** 177
Hilson A See **Stansby G**
Hilson AJW; Lewis CA: radionuclide studies in impotence, Semin Nucl Med 1991; **21:** 159
Hiltunen Y See **Eskelinen S**
Hiltz A; Iles SE: abnormal distribution of Tc-99m iminodiphosphonate due to iron dextran therapy, Clin Nucl Med 1990; **15:** 818
Hiltz A; Iles S: renal accumulation of technetium-99m sulfur colloid, Clin Nucl Med 1989; **14:** 118
Hilweg D See **Biggemann M**
Hilz M-J; Huk W; Druschky K-F; et al: fat deposition surrounding intracerebral hemorrhage in a patient suffering from Zieve-syndrome, Neuroradiol 1989; **31:** 102
Hilz MJ; Huk W; Schellmann B; et al: fatal complications after myelography with meglumine diatrizoate, Neuroradiol 1990; **32:** 70
Himal HS; Lindsay T: ascending cholangitis: surgery versus endoscopic or percutaneous drainage, (ab), JVIR 1991; **2:** 299
Himelman RB See **Kircher BJ**
Himmelstein SI See **Dunnick NR**
Hind RE See **Howard PW**
Hinder RA; Stein HJ; Bremner CG; et al: relationship of a satisfactory outcome to normalization of delayed gastric emptying after Nissen fundoplication, (ab), Radiology 1990; **175:** 587
Hindley AC See **Charig MJ**
Hindman BW; Kulik WJ; Lee G; et al: occult fractures of the carpals and metacarpals: demonstration by CT, AJR 1989; **153:** 529
Hindmarsh T See **Mosskin M**
Hine AL See **Hughes TH**
Hine AL See **Turnbull DH**
Hine AL; Wilson SR: ultrasonography of splenic variants, J Canad Assoc Radiol 1989; **40:** 25
Hines JJ See **Langmuir VK**
Hinke DH; Zandt-Stastny DA; Goodman LR; Quebbeman EJ; Krzywda EA; Andris DA: pinch-off syndrome: a complication of implantable subclavian venous access devices, Radiology 1990; **177:** 353
Hinks RS See **Katz BH**
Hinks RS See **Quencer RM**
Hinn G See **Müller HR**
Hino M See **Kudo M**
Hinohara T See **Quigley PJ**
Hinohara T See **Rowe MH**
Hinshaw DB Jr See **Coates TL**
Hinson JE See **King JN**
Hinson WH See **Elster AD**
Hinton AA See **Fleischer AC**
Hintz BL See **Ryoo MC**
Hirabuki N See **Hashimoto T**
Hirabuki N See **Miura T**
Hirabuki N; Mitomo M; Miura T; et al: external carotid artery embolization of dural arteriovenous malformations involving the cavernous sinus: outcome and role of venous thrombosis, Acta Radiol 1990; **31:** 197
Hirai S See **Shoji H**
Hirakata R; Hasuo K; Yasumori K; et al: arterioenteric fistulae: diagnosis and treatment by angiography, Clin Radiol 1991; **43:** 328
Hirama M See **Kondo M**
Hiramatsu K See **Hashimoto S**
Hiramatsu K; Utsumi S; Kyoi K; et al: intracerebral hemorrhage in carotid-cavernous fistula, Neuroradiol 1991; **33:** 67
Hirano M See **Kitagawa K**
Hirano M See **Sezai S**
Hirano S See **Kitagawa K**
Hirano T See **Isawa T**
Hirao K See **Mori H**
Hirao N See **Tsugaya M**
Hiraoka M See **Jo S**
Hiraoka M See **Nagata Y**
Hiraoka M See **Sasai K**
Hirasa M See **Kudo M**
Hirata K See **Ishikawa N**
Hirata T; Yamasaki K; Li Y-g; et al: demonstration of hepatic granuloma due to visceral larva migrans by ultrasonography, JCU 1990; **18:** 429
Hirataka K; Nakata H; Nakayama T; et al: primary malignant lymphoma of the rectum, Pediatr Radiol 1989; **19:** 474
Hirayama T See **Morita S**
Hirayama Y See **Ishii K**
Hird V See **Stewart JSW**
Hiris J See **Reuben DB**
Hirning T; Zuna I; Schlaps D; et al: quantification and classification of echographic findings in the thyroid gland by computerized B-mode texture analysis, Eur J Radiol 1989; **9:** 244
Hirn-Stadler B See **Marino C**
Hirn-Stadler B; Wbra F; Fowler JF; et al: response of the mouse mediastinum to single and fractionated x-rays, Br J Radiol 1991; **64:** 740
Hirohashi S See **Muramatsu Y**
Hirono N See **Abe K**
Hirono N; Kameyama M; Kobayashi Y; et al: MR demonstration of a unilateral olivary hypertrophy caused by pontine tegmental hematoma, Neuroradiol 1990; **32:** 340
Hirooka N; Ohno T; Misonoo M; et al: sono-enterocolonography by oral water administration, JCU 1989; **17:** 585
Hirose G See **Kataoka S**
Hirose H See **Inoue M**
Hirota K See **Imaeda T**
Hirota T See **Brandt D**
Hirsch BE See **Jungreis CA**
Hirsch BE See **Tabor EK**
Hirsch BE See **Weissman JL**
Hirsch FR; Matthews MJ; Aisner S; et al: histopathologic classification of small cell lung cancer: changing concepts and terminology, (ab), Radiology 1989; **171:** 291
Hirsch H; Fernandez-Ulloa M; Munda R; et al: diagnosis of segmental necrosis in a pancreas transplant by thallium-201 perfusion scintigraphy, J Nucl Med 1991; **32:** 1605
Hirsch HI See **Balseiro J**
Hirsch JD See **Mirowitz SA**
Hirsch J-F: epilepsy and brain tumours in children, J Neuroradiol 1989; **16:** 292
Hirsch JI See **Rehr RB**
Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III: effect of methylene blue on estrogen-receptor activity, Radiology 1989; **171:** 105
Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III: noninterference of isosulfan blue on estrogen-receptor activity, Radiology 1989; **171:** 109
Hirsch JI; Tatum JL; Fratkin MJ; et al: preparation and evaluation of a ^{99m}Tc-SnF_2 colloid kit for leukocyte labeling, J Nucl Med 1989; **30:** 1257
Hirsch LJ See **Alavi A**
Hirsch M See **Hertzanu Y**
Hirsch M See **Schoenfeld A**
Hirsch WL; Kemp SS; Martinez AJ; et al: anatomy of the brainstem: correlation of in vitro MR images with histologic sections, AJNR 1989; **10:** 923
Hirschfield LS See **Elkowitz SS**
Hirschman AD See **Li CC**
Hirschmann PN See **Millett DT**
Hirschorn KA See **Jack CR Jr**
Hirsh DK See **Silverstein AM**
Hirsh MP See **Kleinman PK**
Hirshberg A See **Thomson SR**
Hirshberg A; Schneiderman J; Garniek A; et al: errors and pitfalls in intraarterial thrombolytic therapy, (ab), Radiology 1990; **175:** 885
Hirshfeld JW Jr; Kussmaul WG; DiBattiste PM; et al: safety of cardiac angiography with conventional ionic contrast agents, (ab), JVIR 1991; **2:** 302
Hirshfeld JW Jr; Kussmaul WG; DiBattiste PM; et al: safety of cardiac angiography with conventional ionic contrast agents, (ab), Radiology 1991; **178:** 589
Hirshfeld JW Jr; Wieland J; Davis CA; et al: hemodynamic and electrocardiographic effects of ioversol during cardiac angiography: comparison with iopamidol and diatrizoate, Invest Radiol 1989; **24:** 138
Hirshman CA See **Herold CJ**
Hirsowitz GS See **Polak JF**
Hirst DG See **Wood PJ**
Hirst DG; Wood PJ: chlorophenoxy acetic acid derivatives as hemoglobin modifiers and tumor radiosensitizers, Int J Radiat Oncol Biol Phys 1989; **16:** 1183
Hirst VK See **Stone HB**
Hisamitsu S; Shibuya H; Hoshina M; et al: prognostic factors in head and neck non-Hodgkin's lymphoma with special reference to serum lactic dehydrogenase and serum copper, Acta Oncol 1990; **29:** 879
Hisano S See **Shijo H**
Hisatsune I See **Torii Y**
Hise JH See **Naul LG**
Hishikawa Y; Kurisu K; Taniguchi M; et al: radiotherapy for carcinoma of the esophagus in patients aged eighty or older, Int J Radiat Oncol Biol Phys 1991; **20:** 685
Hishikawa Y; Kurisu K; Taniguchi M; Kamikonya N; Miura T: small, superficial esophageal carcinoma treated with high-dose-rate intracavitary irradiation only, Radiology 1989; **172:** 267
Hitchon PW See **Wen B-C**
Hite S: radiology of bone diseases. 5th ed., Radiology 1991; **179:** 622
Hite SH: procedures in diagnostic radiology, Radiology 1990; **176:** 14
Hitge-Boetes C See **van Dijk R**
Hixson LJ; Sampliner RE; Chernin M; et al: limitations of combined flexible sigmoidoscopy and double contrast barium enema in patients with rectal bleeding, Eur J Radiol 1989; **9:** 254
Hiyama D See **Matsumoto JS**
Hiyama T See **Hasegawa Y**
Hjelm-Hansen M See **Johansen LV**
Hjortdal VE See **Hansen ES**
Hladik WB See **Burchiel SW**
Hlatky L; Ring CS; Sachs RK: comparison of ^{3}H-misonidazole binding between CHO and 9L cells using the sandwich system, Int J Radiat Oncol Biol Phys 1989; **16:** 943
Hlatky L; Ring CS; Sachs RK: ^{3}H-misonidazole labeling and viability of hypoxic cells in the sandwich system, an *in vitro* tumor analogue, Int J Radiat Oncol Biol Phys 1989; **16:** 143
Hlatky MA See **Quigley PJ**
Hnatow BJ See **Diaz MJ**
Hnatowich DJ: recent developments in the radiolabeling of antibodies with iodine, indium, and technetium, Semin Nucl Med 1990; **20:** 80
Ho BKT: automatic acquisition interfaces for computed radiography, CT, MR, US, and laser scanner, Comput Med Imag Graph 1991; **15:** 135
Ho BKT; Chao J; Zhu P; Huang HK: design and implementation of full-frame, bit-allocation image-compression hardware module: work in progress, Radiology 1991; **179:** 563
Ho BKT; Ratib O; Horii SC: PACS workstation design, Comput Med Imag Graph 1991; **15:** 147
Ho C See **Cervilla V**
Ho C See **Chandnani VP**
Ho C See **Mitchell MJ**
Ho CP See **Kjellin I**
Ho CP; Kim RW; Schaffler MB; Sartoris DJ: accuracy of dual-energy radiographic absorptiometry of the lumbar spine: cadaver study, Radiology 1990; **176:** 171

Ho CP; Sartoris DJ; Resnick D: conventional tomography in musculoskeletal trauma, Radiol Clin North Am 1989; **27:** 929
Ho C-S See **Halkier BK**
Ho C-S See **Lu DS**
Ho C-S See **Moote DJ**
Ho C-S See **Yeung EY**
Ho EKW See **Fang D**
Ho EKW See **Upadhyay SS**
Ho HW; Awwad EE; Martin DS; et al: olfactory neuroblastoma mimicking primary intracranial neoplasm, Comput Med Imag Graph 1991; **15:** 125
Ho JHC See **Lee AWM**
Ho JKS See **Sung RYT**
Ho J-T; Kruger RA: comparison of dual-energy and conventional chest radiography for nodule detection, Invest Radiol 1989; **24:** 861
Ho K-C See **Fletcher G**
Ho K-C See **Haughton VM**
Ho K-C See **Ho PSP**
Ho K-C See **Nguyen CM**
Ho K-C See **Sether LA**
Ho K-C See **Yu S**
Ho K-J See **Shin MS**
Ho LCY See **Ramsay SC**
Ho MS See **Wee A**
Ho NK See **Ang AT**
Ho PSP; Ho K-C; Yu S; et al: calcification of the nucleus pulposus with pathologic confirmation in a premature infant, AJNR 1989; **10:** 201
Ho PSP; Lee W-H; Chen C-Y; et al: primary malignant rhabdoid tumor of the brain: CT characteristics, JCAT 1990; **14:** 461
Ho PSP; Yu S; Czervionke LF; et al: MR appearance of gray and white matter at the cervicomedullary region, AJNR 1989; **10:** 1051
Ho S-Y See **Simon RH**
Ho VB; Kransdorf MJ; Jelinek JS; et al: dorsal defect of the patella: MR features, JCAT 1991; **15:** 474
Hoashi T See **Okazaki M**
Höbarth K See **Schurawitzki H**
Hobbins JC See **Copel JA**
Hobbs BB See **Coop FW**
Hobson RW II See **Anderson RJ**
Hobson RW II See **Neville RF**
Hochberg AM See **O'Malley M**
Hochberg FH See **Loeffler JS**
Hochberger J See **Ell C**
Hochbergs P; Forsberg L; Hederström E; et al: diagnosis and percutaneous treatment of pyogenic hepatic abscesses, (ab), JVIR 1991; **2:** 299
Hochbergs P; Forsberg L; Hederström E; et al: diagnosis and percutaneous treatment of pyogenic hepatic abscesses, Acta Radiol 1990; **31:** 351
Hochholzer L See **England DM**
Hochholzer L See **Koss MN**
Hochstrasser DF See **Roch C**
Hockley AD See **Chapman S**
Hodak JA See **Dean BL**
Hodapp N See **Müller-Gerbl M**
Hodapp N See **Reinbold W-D**
Hodes D See **Norton KI**
Hodes J See **Yakes WF**
Hodes JE See **Biondi A**
Hodes JE See **Gelbert F**
Hodes JE; Aymard A; Casasco A; et al: embolization of arteriovenous malformations of the temporal lobe via the anterior choroidal artery, AJNR 1991; **12:** 775
Hodge KK; McNeal JE; Stamey TA: ultrasound guided transrectal core biopsies of the palpably abnormal prostate, (ab), Radiology 1990; **174:** 900
Hodge KK; McNeal JE; Terris MK; et al: random systematic versus directed ultrasound guided transrectal core biopsies of the prostate, (ab), Radiology 1990; **174:** 900
Hodge WA; Carlson KL; Fijan RS; et al: contact pressures from an instrumented hip endoprosthesis, (ab), Radiology 1990; **175:** 592
Hodgkiss RJ; Stratford MRL; Watfa RR: effect of α-tocopherol and α-tocopheryl quinone on the radiosensitivity of thiol-depleted mammalian cells, Int J Radiat Oncol Biol Phys 1989; **16:** 1297
Hodgson GS See **Budd RS**
Hodgson KJ See **Londrey GL**
Hodgson SV See **Padley S**
Hodgson T; Fox S; Bayjoo P: case report: extra-hepatic biliary cystadenoma in association with adenomyomatosis of the gall-bladder, Clin Radiol 1991; **43:** 210
Hodler J See **Garcia A**
Hodler J See **Thurnher S**
Hodler J; Terrier B; von Schulthess GK; et al: MRI and sonography of the shoulder, Clin Radiol 1991; **43:** 323
Hodson DI See **Soubra M**
Hodson ME See **Santis G**
Hoe J: CT of nasopharyngeal carcinoma: significance of widening of the preoccipital soft tissue on axial scans, AJNR 1989; **10:** 839
Hoe JWM: computed tomography of nasopharyngeal carcinoma: a review of CT appearances in 56 patients, Eur J Radiol 1989; **9:** 83
Hoeckel M See **Kallinowski F**
Hoeffel JC See **Pernot C**
Hoeffel J-C See **Vieco PT**
Hoeffel JC; Galloy MA; Schmitt C; et al: neuroblastoma of the tail of the pancreas in childhood, Br J Radiol 1991; **64:** 167
Hoeffel JC; Lascombes P; Poncelet T; et al: biplane fracture of Tillaux, Eur J Radiol 1989; **9:** 250
Hoeffel JC; Marchal AL; Pierre E; et al: cystic lymphangioma of the pelvis in childhood, Br J Radiol 1990; **63:** 813
Hoefnagel CA See **Dewit L**
Hoefnagel CA See **Olmos RAV**
Hoefnagel CA See **Zanin DEA**
Hoefs J See **Levenson H**
Hoeg JM See **Hill SC**
Hoeks APG; Brands PJ; Smeets FAM; et al: assessment of the distensibility of superficial arteries, Ultrasound Med Biol 1990; **16:** 121
Hoekstra CJM See **Meerwaldt JH**
Hoekstra CJM; Levendag PC; van Putten WLJ: squamous cell carcinoma of the supraglottic larynx without clinically detectable lymph node metastases: problem of local relapse and influence of overall treatment time, Int J Radiat Oncol Biol Phys 1990; **18:** 13
Hoekstra HJ See **Hogeboom WR**
Hoel MJ See **Nelson RC**
Hoemke GF: breast disease for radiographers, Radiology 1989; **172:** 138
Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL: comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, JMRI 1991; **1:** 357
Hoener B-a; Tzika AA; Englestad BL; et al: hepatic transport of the magnetic resonance imaging contrast agent Fe(III)-*N*-(3-phenylglutaryl)desferrioxamine B, Magn Res Med 1991; **17:** 509
Hoenig E See **Schneider S**
Hoenig JF; Schoener WF: rare case of atlanto-axial fusion with dysplasia of odontoid peg in a cleft lip and palate patient, Eur J Radiol 1991; **12:** 132
Hoetzinger H: hysterosonography and hysterography in benign and malignant diseases of the uterus: a comparative in vitro study, J Ultrasound Med 1991; **10:** 259
Hofbeck M See **Deeg KH**
Hofer GA; Cohen AJ: CT signs of duodenal perforation secondary to blunt abdominal trauma, JCAT 1989; **13:** 430
Hofer HO See **Koch E**
Hofer P-Å See **Lindholm C**
Hoff B; Johnston G; Moorman R; et al: preparation of xenon-133 in a lipid emulsion for tissue perfusion studies, Invest Radiol 1990; **25:** 724
Hoff D See **Kozlowski K**
Hoffenberg E See **Morrison S**
Hoffer FA See **Fellows KE**
Hoffer FA See **Jaramillo D**
Hoffer FA See **Meyer JS**
Hoffer FA; Kozakewich H; Shamberger RC: percutaneous biopsy of thoracic lesions in children, Cardiovasc Intervent Radiol 1990; **13:** 32
Hoffer FA; Taylor GA; Spevak M; et al: metabolism of tumor regression from angiogenesis inhibition: ^{31}P magnetic resonance spectroscopy, Magn Res Med 1989; **11:** 202
Hoffer FA; Winters WD; Retik AB; et al: urinoma drainage for neonatal respiratory insufficiency, Pediatr Radiol 1990; **20:** 270
Hoffer PB See **Bekerman C**
Hoffer PB See **Chen CC**
Hoffer PB See **Zielinski JE**
Hoffer PB; Hoffer V: living with radiation: the risk, the promise, Radiology 1990; **174:** 382
Hoffer V See **Hoffer PB**
Hoffman CJ; Hales ED; Malachowski ME; et al: mesothelial cyst of the gallbladder, JCU 1989; **17:** 50
Hoffman CK; Goodman PC: pulmonary edema in cocaine smokers, Radiology 1989; **172:** 463
Hoffman D See **Carstensen EL**
Hoffman D See **Child SZ**
Hoffman DW; Venters RA; Shedd SF; et al: use of gel filtration in the preparation of biological fluids for magnetic resonance spectroscopy, Magn Res Med 1990; **13:** 507
Hoffman EJ See **Cherry SR**
Hoffman GS See **Travis WD**
Hoffman JC See **Ostrov SG**
Hoffman JC Jr See **Beckett WW Jr**
Hoffman JC Jr See **Castillo M**
Hoffman JC Jr See **Davis PC**
Hoffman JC Jr See **Hudgins PA**
Hoffman JC Jr See **Malko JA**
Hoffman JC Jr See **Tishler S**
Hoffman JM See **Coleman RE**
Hoffman NY See **Logan WW**
Hoffman RG See **Cox IH**
Hoffman WH See **El Gammal T**
Hoffmann E See **Becker GM**
Hoffmann G See **Wernecke K**
Hoffmann KR; Doi K; Chen S-H; et al: automated tracking and computer reproduction of vessels in DSA images, Invest Radiol 1990; **25:** 1069
Hoffmann KR; Doi K; Fencil LE: determination of instantaneous and average blood flow rates from digital angiograms of vessel phantoms using distance-density curves, Invest Radiol 1991; **26:** 207
Hoffmann RG See **Hellman RS**
Hoffman-Tretin JC See **Cho KC**
Hoffmeister JW; Rinehart GC; Vannier MW: three-dimensional surface reconstructions using a general purpose image processing system, Comput Med Imag Graph 1990; **14:** 35
Hofland I See **Begg AC**
Hofmann AF See **vanSonnenberg E**
Hofmann E See **Becker T**
Hofmann E See **Schuknecht B**
Hofmann K See **Tunggal B**
Hofmann KP See **Redmond HP**
Hofmann U See **Vogl TJ**
Hofmann-Preiss K See **Lang W**
Hoford J See **Dann R**
Hogeboom WR; Hoekstra HJ; Mooyaart EL; et al: role of magnetic resonance imaging and computed tomography in the treatment evaluation of retroperitoneal lymph-node metastases of non-seminomatous testicular tumors, Eur J Radiol 1991; **13:** 31
Høgevold HE; Høiseth A; Reikerås O: deep vein thrombosis after total hip replacement: a venographic study, (ab), JVIR 1991; **2:** 409
Høgevold HE; Høiseth A; Reikerås O: deep vein thrombosis after total hip replacement: a venographic study, Acta Radiol 1990; **31:** 571
Hogg JC: chronic interstitial lung disease of unknown cause: a new classification based on pathogenesis, AJR 1991; **156:** 225
Hogg JP See **Elksnis SM**
Hogge WA See **Thiagarajah S**
Höglund M See **Muren C**
Höglund M; Muren C; Schmidt D: Caroli's disease in two sisters: diagnosis by ultrasonography and computed tomography, Acta Radiol 1989; **30:** 459
Hogstrom KR See **Shiu AS**
Hogstrom KR; Boyer AL; Shiu AS; et al: design of metallic electron beam cones for an intraoperative therapy linear accelerator, Int J Radiat Oncol Biol Phys 1990; **18:** 1223
Hohenberg G See **Handl-Zeller L**
Hoikka V See **Santavirta S**
Hoile RD See **Geremia GK**
Høisaeter PÅ: alkaline phosphatase: a marker in prostatic cancer?, Acta Oncol 1991; **30:** 171
Høiseth A See **Høgevold HE**
Høiseth A See **Reikerås O**
Høiseth A; Alho A; Husby T; et al: are patients with fractures of the femoral neck more osteoporotic?, Eur J Radiol 1991; **13:** 2
Høiseth A; Alho A; Husby T: assessment of bone mineral content in the internal bone volume, Acta Radiol 1991; **32:** 69
Høiseth A; Alho A; Husby T: femoral cortical/cancellous bone related to age, Acta Radiol 1990; **31:** 626
Høiseth A; Hol PK; Bjørneboe G-EA; et al: axial and appendicular bone mineral content determined by computed tomography: relationship to age and body size in males, Acta Radiol 1990; **31:** 137
Høiseth A; Reikerås O; Fønstelien E: basic concepts of femoral neck anteversion: comparison of two definitions, Br J Radiol 1989; **62:** 114
Høiseth A; Reikerås O; Fønstelien E: evaluation of three methods for measurement of femoral neck anteversion: femoral neck anteversion, definition, measuring methods and errors, Acta Radiol 1989; **30:** 69
Hoit BD See **Chow LC**
Hol PK See **Høiseth A**
Hol PK; Heldaas J; Skjennald A: demonstration of pedal arterial arcades in occlusive arteriosclerotic disease: conventional and digital subtraction angiography compared, Acta Radiol 1989; **30:** 61
Holager T See **Jakobsen JÅ**
Holbert BL; Holbert JM; Libshitz HI: chest radiograph after resection of pulmonary nodules with a neodymium-YAG laser, J Thorac Imag 1989; **4-2:** 82
Holbert JM See **Holbert BL**
Holbert JM See **Komaki R**
Holburn GE See **Eisenberg AD**
Holburn GE See **Moore DE**
Holburn GE See **Powers TA**

Holcenberg JS See **Moulder JE**
Holcomb HH See **Meltzer CC**
Holden JE See **DeGrado TR**
Holden RW: plasminogen activators: pharmacology and therapy, Radiology 1990; **174:** 993
Holden RW: transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, JVIR 1991; **2:** 199
Holden RW; Brody WR; Franken EA Jr; et al: pathways to improved radiologic research: an NIH workshop, Invest Radiol 1991; **26:** 111
Holden SA See **Herman TS**
Holden SA See **Pfeffer MR**
Holden SA See **Teicher BA**
Holden SA; Teicher BA; Herman TS: effect of environmental conditions (pH, oxygenation, and temperature) on misonidazole cytotoxicity and radiosensitization *in vitro* and *in vivo* in FSAIIC fibrosarcoma, Int J Radiat Oncol Biol Phys 1991; **20:** 1031
Holder LE: clinical radionuclide bone imaging, Radiology 1990; **176:** 607
Holder LE; Schwarz C; Wernicke PG; Michael RH: radionuclide bone imaging in the early detection of fractures of the proximal femur (hip): multifactorial analysis, Radiology 1990; **174:** 509
Holen J; Nanna M; Lockhart J; et al: Doppler color flow in echocardiography: analytical and *in-vitro* investigations of the quantitative relationship between orifice flow and color jet dimensions, Ultrasound Med Biol 1990; **16:** 543
Holgate RC See **Brothers MF**
Holl J See **Sauerbruch T**
Holl SG See **Stoddart PGP**
Holladay AO See **Bogan ML**
Holland BR See **Schrader B**
Holland CK See **Apfel RE**
Holland DG; Quint LE: traumatic rupture of the diaphragm without visceral herniation: CT diagnosis, AJR 1991; **157:** 17
Holland IM See **Wilson FMA**
Holland JP See **Guy RL**
Holland KJ; O'Neill WW; Bates ER; et al: emergency percutaneous transluminal coronary angioplasty during acute myocardial infarction for patients more than 70 years of age, (ab), Radiology 1989; **173:** 587
Holland P: sclerosing encapsulating peritonitis in chronic ambulatory peritoneal dialysis, Clin Radiol 1990; **41:** 19
Holland P; Davies AM; Morris E; et al: real-time digital contrast enhancement and magnification in the assessment of acute elbow injuries, Br J Radiol 1991; **64:** 591
Holland P; Fitzpatrick JD: case report: magnetic resonance imaging of a right-sided cervical aortic arch with a congenital aneurysm, Clin Radiol 1991; **43:** 352
Holland R See **Tinnemans JGM**
Holland S See **Taylor KJW**
Holland SA; Hutton LC; McKenzie FN: radiologic findings in heart-lung transplantation: a preliminary experience, J Canad Assoc Radiol 1989; **40:** 94
Hollands MJ; Little JM: hepatic venous injury after blunt abdominal trauma, (ab), Radiology 1990; **176:** 294
Hollands-Thorn B See **Rinast E**
Hollenberg M See **Tubau JF**
Hollenberg NK See **Janicek MJ**
Hollerman JJ; Fackler ML; Coldwell DM; et al: gunshot wounds: 1. bullets, ballistics, and mechanisms of injury, AJR 1990; **155:** 685
Hollerman JJ; Fackler ML; Coldwell DM; et al: gunshot wounds: 2. radiology, AJR 1990; **155:** 691
Holley HC See **Mulligan SA**
Holley HC; Koslin DB; Berland LL; Stanley RJ: inhomogeneous enhancement of liver parenchyma secondary to passive congestion: contrast-enhanced CT, Radiology 1989; **170:** 795
Holliday R See **Reede DL**
Holliday RA See **Som PM**
Holliday RA: inflammatory diseases of the temporal bone: evaluation with CT and MR, Semin US CT MR 1989; **10:** 213
Holliday RA: non-nodal neck masses, (ab), Radiology 1991; **181:** 295
Holliday RA; Reede DL: MRI of mastoid and middle ear disease, Radiol Clin North Am 1989; **27:** 283
Hollingworth P See **Kabala JE**
Hollis HW See **Yakes WF**
Hollman AS; Adams FG: influence of the lordotic projection on the interpretation of the chest radiograph, Clin Radiol 1989; **40:** 360
Hollman AS; McMillan MA; Briggs JD; et al: ultrasound changes in sclerosing peritonitis following continuous ambulatory peritoneal dialysis, Clin Radiol 1991; **43:** 176
Holloway MA See **Jeans WD**
Holloway RH See **Dent J**
Holloway WR; Weinstein SH: percutaneous decompression: treatment for respiratory distress secondary to multicystic dysplastic kidney, (ab), Radiology 1991; **178:** 292
Holm HH See **Joyce F**
Holm HH See **Karstrup S**
Holm HH See **Nolsøe CP**
Holm HH: review article: interventional ultrasound, Br J Radiol 1991; **64:** 379
Holm HH; Myschetzky P; Nielsen L; et al: ultrasonic multipurpose/multiplane endoprobe, Acta Radiol 1990; **31:** 630
Holm J See **Jivegård L**
Holm J See **Skovgaard N**
Holm J: spontaneous percutaneous delivery of a renal stone: case report, Acta Radiol 1991; **32:** 254
Holm L-E See **Fürst CJ**
Holm L-E See **Hall P**
Holm L-E: cancer occurring after radiotherapy and chemotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1303
Holm S See **Henriksson R**
Holman BL See **Franceschi D**
Holman BL See **George AE**
Holman BL See **Johnson KA**
Holman BL See **Moriarty JA**
Holman BL See **Nagel JS**
Holman BL See **Piwnica-Worms D**
Holman BL See **Polak JF**
Holman BL See **Seltzer SE**
Holman BL See **Tumeh SS**
Holman BL: research that radiologists do: perspective based on a survey of the literature, Radiology 1990; **176:** 329
Holman BL; Carvalho PA; Mendelson J; et al: brain perfusion is abnormal in cocaine-dependent polydrug users: a study using technetium-99m-HMPAO and ASPECT, J Nucl Med 1991; **32:** 1206
Holman BL; Carvalho PA; Zimmerman RE; et al: brain perfusion SPECT using an annular single crystal camera: initial clinical experience, J Nucl Med 1990; **31:** 1456
Holman BL; Hellman RS; Goldsmith SJ; et al: biodistribution, dosimetry, and clinical evaluation of technetium-99m ethyl cysteinate dimer in normal subjects and in patients with chronic cerebral infarction, J Nucl Med 1989; **30:** 1018
Holman BL; Zimmerman RE; Johnson KA; et al: computer-assisted superimposition of magnetic resonance and high-resolution technetium-99m-HMPAO and thallium-201 SPECT images of the brain, J Nucl Med 1991; **32:** 1478
Holmberg E See **Ragnhult I**
Holmberg L: sector resection with and without radiotherapy in early breast cancer: presentation of two ongoing prospective multicenter studies in Sweden, Acta Oncol 1989; **28:** 927
Holmberg SB; Hafström L; Aronsson EF; et al: kinetics of radioiodinated monoclonal antibodies in the rat: influence of tumour growth and reticuloendothelial system host modulation, Acta Oncol 1989; **28:** 699
Holmer N-G See **Johansson T**
Holmer N-G See **Nilsson J**
Holmes DR See **Holt GW**
Holmes DR Jr See **Nishimura RA**
Holmes GKT; Prior P; Lane MR; et al: malignancy in coeliac disease: effect of a gluten free diet, (ab), Radiology 1989; **172:** 882
Holmes JW See **Varma DGK**
Holmes KT; Lean CL; Hunt NH; et al: development of the "activated" high resolution ^{1}H MR spectrum in murine T cells and B cells occurs in G_1 phase of the cell cycle, Magn Res Med 1990; **16:** 1
Holmes LB See **Benacerraf BR**
Holmes LB See **Cleveland RH**
Holmes RA See **Fuentes RT**
Holmes RA See **Gini A**
Holmes RA See **Singh A**
Holmes RA See **Sylvester J**
Holmes T; Mackie TR; Simpkin D; et al: unified approach to the optimization of brachytherapy and external beam dosimetry, Int J Radiat Oncol Biol Phys 1991; **20:** 859
Holmgren A See **Svane B**
Holmvang G See **Miller DD**
Holscher HC; Bloem JL; Nooy MA; et al: value of MR imaging in monitoring the effect of chemotherapy on bone sarcomas, AJR 1990; **154:** 763
Holshouser BA See **Coates TL**
Holsinger AE; Riederer SJ: importance of phase-encoding order in ultra-short TR snapshot MR imaging, Magn Res Med 1990; **16:** 481
Holsinger AE; Wright RC; Riederer SJ; et al: real-time interactive magnetic resonance imaging, Magn Res Med 1990; **14:** 547
Holsinger-Bampton AE See **Riederer SJ**
Holsinger-Bampton AE; Riederer SJ; Campeau NG; Ehman RL; Johnson CD: T1-weighted snapshot gradient-echo MR imaging of the abdomen, Radiology 1991; **181:** 25
Holstege FCP See **Verdaasdonk RM**
Holsti LR See **Niiranen A**
Holsti P See **Niiranen A**
Holt GW; Gersh BJ; Holmes DR; et al: results of percutaneous transluminal coronary angioplasty for angina pectoris early after acute myocardial infarction, (ab), Radiology 1989; **170:** 291
Holt GW; Sugrue DD; Bresnahan JF; et al: results of percutaneous transluminal coronary angioplasty for unstable angina pectoris in patients 70 years of age and older, (ab), Radiology 1989; **170:** 292
Holt JA; Artwohl JE; Mercer LJ; et al: biodistribution, with high uptake by the reproductive tract, of an intraperitoneally infused radiohalogenated steroidal estrogen-receptor ligand, Int J Radiat Oncol Biol Phys 1991; **20:** 567
Holt RG See **Munk PL**
Holt RG; Helms CA; Munk PL; Gillespy T III: hypertrophy of C-1 anterior arch: useful sign to distinguish os odontoideum from acute dens fracture, Radiology 1989; **173:** 207
Holt RG; Helms CA; Steinbach L; et al: magnetic resonance imaging of the shoulder: rationale and current applications, Skeletal Radiol 1990; **19:** 5
Holt SC See **Levi CS**
Holt WW; Wendland MF; Derugin N; et al: effect of repetitive brief episodes of cardiac ischemia on ^{31}P magnetic resonance spectroscopy in the cat, Magn Res Med 1990; **15:** 70
Holtås S See **Annertz M**
Holtås S See **Larsson E-M**
Holtås S See **Li MH**
Holtås S; Ståhlberg F; Nilsson H; et al: low flip angle gradient echo magnetic resonance imaging of the cervical spine at 0.3 tesla, Acta Radiol 1989; **30:** 343
Holtås S; Wallengren NO; Ericsson A; et al: signal alterations, artifacts and image distortion induced by a superparamagnetic contrast medium: a phantom study in a 0.3 tesla MR system, Acta Radiol 1990; **31:** 213
Holtås SL See **Maeder PP**
Holte H See **Abrahamsen AF**
Holte S See **Greitz T**
Holtz E See **Fahlvik AK**
Holtz E See **Gundersen HG**
Holtz E See **Sunnegårdh O**
Holtz E See **Wang S-c**
Holtz PM See **Hamper UM**
Holtz PM See **Sheth S**
Holub DA See **Cosman F**
Holub RV See **Herman SJ**
Holyoak WL See **Goldstein HA**
Holzer JF See **Bettmann MA**
Holzmueller P; Reckendorfer H; Burgmann H; et al: viability testing of transplantation donor liver by ^{1}H NMR relaxometry, Magn Res Med 1990; **16:** 173
Hom J See **Bonte FJ**
Hom M See **Das Narla L**
Homan RW See **Devous MD Sr**
Homann S See **Middleton K**
Homer MJ; Safaii H: circumscribed intraductal carcinoma of the breast, Radiology 1989; **171:** 877
Homer MJ; Safaii H: mixed form, diffusely scattered calcifications in breast cancer with apocrine features, Radiology 1991; **179:** 586
Homer MJ; Safaii H; Smith TJ; et al: relationship of mammographic microcalcification to histologic malignancy: radiologic-pathologic correlation, AJR 1989; **153:** 1187
Homer MJ; Schmidt-Ullrich R; Safaii H; Pile-Spellman ER; Marchant DJ; Smith TJ; Kelly K; Robert NJ: residual breast carcinoma after biopsy: role of mammography in evaluation, Radiology 1989; **170:** 75
Homer MJ; Smith TJ: asymmetric breast tissue, Radiology 1989; **173:** 577
Hommel DJ See **DeWeese TL**
Hommel M See **Durif F**
Hommeyer SH; Godwin JD; Takasugi JE: computed tomography of air-space disease, Radiol Clin North Am 1991; **29:** 1065
Homström T See **Ahovuo J**
Homsy YL See **Tannous WN**
Homsy YL; Mehta PH; Huot D; et al: intermittent hydronephrosis: a diagnostic challenge, (ab), Radiology 1989; **172:** 295
Homsy YL; Saad F; Laberge I; et al: transitional hydronephrosis of the newborn and infant, (ab), Radiology 1991; **178:** 591
Homyak M See **Bradley WG Jr**
Honan MB See **Bengtson JR**
Honda H See **Barloon TJ**
Honda H See **Berbaum KS**
Honda H See **Muranaka T**
Honda H; Barloon TJ; Franken EA Jr; et al: clinical and radiologic features of malignant neoplasms in organ transplant recipients: cyclosporine-treated vs untreated patients, AJR 1990; **154:** 271

Honda H; Franken EA Jr; Barloon TJ; et al: hepatic lymphoma in cyclosporine-treated transplant recipients: sonographic and CT findings, AJR 1989; **152:** 501
Honda H; Lu CH; Barloon TJ; et al: sigmoid colon fistula complicating ovarian cystadenocarcinoma: a rare finding, Gastrointest Radiol 1990; **15:** 78
Honda H; McGuire CW; Barloon TJ; et al: replacement lipomatosis of the kidney: CT features, JCAT 1990; **14:** 229
Honda H; Onitsuka H; Naitou S; et al: renal arteriovenous malformations: CT features, JCAT 1991; **15:** 261
Honda M See **Takahashi K**
Honda N; Machida K; Kamano T; et al: gallium scintigraphy in neoplastic angioendotheliosis of the lung, Clin Nucl Med 1991; **16:** 43
Honda N; Machida K; Mamiya T; et al: scintigraphic and CT findings of Tietze's syndrome: report of a case and review of the literature, Clin Nucl Med 1989; **14:** 606
Honda N; Machida K; Takishima T; et al: cinematic three-dimensional surface display of cardiac blood pool tomography, Clin Nucl Med 1991; **16:** 87
Hondema S See **Verheul HA**
Honess DJ; White RD; Nethersell ABW; et al: effects of the manipulation of oxyhemoglobin status by BW12C on tumor thermosensitivity and on blood flow in tumor and normal tissues in mice, Int J Radiat Oncol Biol Phys 1989; **16:** 1187
Honeyman JC See **Stewart BK**
Hong A See **Saunders MI**
Hong A; Rojas A; Dische S: normobaric oxygen as a sensitizer of hypoxic tumor cells, Int J Radiat Oncol Biol Phys 1989; **16:** 1097
Hong C-H See **Chen M-S**
Hong C-R See **Wu M-H**
Hong CY See **Yoo S-J**
Hong SS; Ford EH; Greenspan B: radiation toxicity of indium-111-2-mercaptopyridine-N-oxide on HeLa S-3 cells, Br J Radiol 1989; **62:** 468
Hong WK See **Licciardello JTW**
Hood PB: Lyme disease: clinical manifestations, diagnosis, and treatment, Radiology 1991; **181:** 414
Hood PB: overview of intimal hyperplasia, Radiology 1991; **180:** 378
Hoogenhout J See **Schwachöfer JHM**
Hoogenraad WJ See **Terhaard CHJ**
Hoogewoud HM See **Edelman RR**
Hoogewoud HM See **Mattle HP**
Hoogland HJ See **Thors F**
Hoogma RPLM See **van Gils APG**
Hoopes PJ See **Ryan TP**
Hoory S See **Freeman I**
Hootnick DR See **Levinsohn EM**
Hoover EL; Hsu H-K; Webb H; et al: surgical management of empyema thoracis in substance abuse patients: a 5-year experience, (ab), Radiology 1989; **172:** 291
Hopewell JW See **Baker MR**
Hopewell JW See **Morris GM**
Hopewell JW See **Reinhold HS**
Hopewell JW See **Rezvani M**
Hopewell JW See **Simmonds RH**
Hopewell JW See **van den Aardweg GJMJ**
Hopewell JW; Barnes DWH; Robbins MEC; et al: relative biological effectiveness of fractionated doses of fast neutrons (42 MeV_{d-Be}) for normal tissues in the pig. II. late effects on cutaneous and subcutaneous tissues, Br J Radiol 1990; **63:** 760
Hopkins A; Zylstra S; Hreshchyshyn MM; et al: normal and abnormal features of the lumbar spine observed in dual photon absorptiometry scans, Clin Nucl Med 1989; **14:** 410
Hopkins MP See **Schoeppel SL**
Hopkinson BR See **Earnshaw JJ**
Hopman J See **van Dam I**
Hopman JCW See **Mullaart RA**
Hopman WPM See **Masclee AAM**
Hoppe RT See **Pond GD**
Hoppe RT See **Russell KJ**
Hoppensteadt D See **Mamon JF**
Hopper KD See **Burke BJ**
Hopper KD See **Parker SH**
Hopper KD See **Rak KM**
Hopper KD See **Smith MB**
Hopper KD See **Yakes WF**
Hopper KD: atlas of duplex ultrasonography: essential images of the vascular system, Radiology 1989; **170:** 738
Hopper KD: atlas of human cross-sectional anatomy: with CT and MR images. 2nd ed, Radiology 1991; **178:** 382
Hopper KD: duplex sonography, Radiology 1989; **170:** 256
Hopper KD: fundamentals of neuropathology: morphologic basis of neurologic disorders. 2nd ed, Radiology 1990; **175:** 430
Hopper KD: imaging of the nervous system, Radiology 1991; **178:** 810
Hopper KD: is reform needed in the book review process?, Radiology 1989; **171:** 878
Hopper KD: magnetic resonance imaging in orthopaedics and rheumatology, Radiology 1990; **174:** 390
Hopper KD: magnetic resonance of myelin, myelination, and myelin disorders, Radiology 1990; **175:** 442
Hopper KD: MRI/CT and pathology in head and neck tumors: a correlative study, Radiology 1991; **181:** 454
Hopper KD: role of computed tomography in the evaluation of Caroli's disease, Clin Imag 1989; **13:** 68
Hopper KD: urologic imaging and interventional techniques, Radiology 1990; **174:** 1042
Hopper KD; Baird DE; Parker SH: method of euthanasia in animal study: reply, Radiology 1991; **179:** 288
Hopper KD; Baird DE; Reddy VV; Landis JR; Parker SH; Tyler HN Jr; Ownbey JL; McCauslin MA; Yakes WF; Sabatelli FW; Mott PL: efficacy of automated biopsy guns versus conventional biopsy needles in the pygmy pig, Radiology 1990; **176:** 671
Hopper KD; Chantelois AE: retrorenal spleen: implications for percutaneous left renal invasive procedures, Invest Radiol 1989; **24:** 592
Hopper KD; Diehl LF; Cole BA; et al: significance of necrotic mediastinal lymph nodes on CT in patients with newly diagnosed Hodgkin disease, AJR 1990; **155:** 267
Hopper KD; Haseman DB; Moser RP Jr; et al: case report 634, Skeletal Radiol 1990; **19:** 535
Hopper KD; Moser RP Jr; Haseman DB; Sweet DE; Madewell JE; Kransdorf MJ: osteosarcomatosis, Radiology 1990; **175:** 233
Hopper KD; Rosetti GF; Edmiston RB; Madewell JE; Beam LM; Landis JR; Miller KL; Ricci JA; McCauslin MA: diagnostic radiology peer review: a method inclusive of all interpreters of radiographic examinations regardless of specialty, Radiology 1991; **180:** 557
Hopper KD; Sherman JL; Boal DKB: abnormalities of the orbit and its contents in children: CT and MR imaging findings, AJR 1991; **156:** 1219
Hopper KD; Smith MB: magnetic resonance imaging. 2nd ed. vol 1, clinical principles, Radiology 1989; **173:** 322
Hopper KD; Tyler HN Jr: informed consent for intravascular administration of contrast material: how much is enough?, Radiology 1989; **171:** 509
Hopper KD; Wegert SJ; Hallgren SE: renal excretion of endoscopic retrograde cholangiopancreatography injected contrast: a common phenomenon, Invest Radiol 1989; **24:** 394
Hopper KD; Yakes WF: interventional radiology, Radiology 1989; **171:** 782
Hopper KD; Yakes WF: posterior intercostal approach for percutaneous renal procedures: risk of puncturing the lung, spleen, and liver as determined by CT, AJR 1990; **154:** 115
Hopson CN; Siverhus SW: ischemic necrosis of the femoral head: treatment by core decompression, (ab), Radiology 1989; **171:** 294
Hopsu EVM See **Kairemo KJA**
Hopwood LE See **Moulder JE**
Hopwood LE; Davies BM; Moulder JE: drug resistance following irradiation of RIF-1 tumors: influence of the interval between irradiation and drug treatment, Int J Radiat Oncol Biol Phys 1990; **19:** 643
Horak DA See **Pezner RD**
Horan JJ See **Chiou RK**
Horan JJ; Robertson CN; Choyke PL; et al: detection of renal carcinoma extension into the renal vein and inferior vena cava: a prospective comparison of venacavography and magnetic resonance imaging, (ab), Radiology 1990; **175:** 589
Horattas MC; Wright DJ; Fenton AH; et al: changing concepts of deep venous thrombosis of the upper extremity: report of a series and review of the literature, (ab), Radiology 1989; **171:** 293
Hørder M See **Nissen H**
Hordijk GJ See **Ravasz LA**
Horenstein J See **Brar HS**
Horev G See **Gomori JM**
Horev G See **Stein SM**
Horev G; Korenreich L; Ziv N; et al: enigma of stress fractures in the pediatric age: clarification or confusion through the new imaging modalities, Pediatr Radiol 1990; **20:** 469
Horgan JG; Rumack CM; Hay T; et al: absolute intracranial blood-flow velocities evaluated by duplex Doppler sonography in asymptomatic preterm and term neonates, AJR 1989; **152:** 1059
Hori H; Murayama C; Mori T; et al: KIH-802: 2-nitroimidazole-1-acetohydroxamate as a hypoxic cell radiosensitizer, Int J Radiat Oncol Biol Phys 1989; **16:** 1029
Hori S See **Hosoki T**
Hori S See **Inoue E**
Hori S See **Narumi Y**
Hori S; Inoue E; Narumi Y; Fujita M; Kadowaki K: hepatic arterial embolization in cases of extensive celiac arterial stenosis, Radiology 1991; **178:** 353
Hori S; Matsushita M; Narumi Y; et al: microcatheter with a ball tip for hepatic embolization and intra-arterial chemotherapy, Eur J Radiol 1989; **9:** 44
Hori S; Matsushita M; Narumi Y; Fujita M; Tomoda K: hepatic arterial catheterization with use of a supple catheter with a ball tip, Radiology 1989; **171:** 860
Hori T See **Anno Y**
Horiba M See **Kamiya H**
Horii S See **Marks F**
Horii S See **Rothstein SG**
Horii SC See **Ambrosino MM**
Horii SC See **Bosniak MA**
Horii SC See **Garra BS**
Horii SC See **Ho BKT**
Horii SC See **Smith SJ**
Horii SC See **West MS**
Horii SC See **Yee JM**
Horii SC See **Zeman RK**
Horii SC; Mun SK; Levine B; et al: PACS clinical experience at Georgetown University, Comput Med Imag Graph 1991; **15:** 183
Horikawa Y See **Ebisu T**
Horiot JC See **Roth SL**
Horiuchi J-I See **Hoshina M**
Horiuchi R; Uchida T; Kojima T; et al: inflammatory pseudotumor of the liver: clinicopathologic study and review of the literature, (ab), Radiology 1990; **176:** 882
Horman D See **Ewigman B**
Horn DL See **Cronan JJ**
Hornak JP; Smith AC; Szumowski J: spin–lattice relaxation time measurements using hybrid CSI—phantom study, Magn Res Med 1990; **13:** 398
Hornback NB See **Shen R-N**
Hornback NB: historical aspects of hyperthermia in cancer therapy, Radiol Clin North Am 1989; **27:** 481
Horne DW See **Chantelois AE**
Horne T; Glaser B; Krausz Y; et al: unusual causes of I-131 metaiodobenzylguanidine uptake in non-neural crest tissue, Clin Nucl Med 1991; **16:** 239
Horner K See **Walker A**
Horner K: central giant cell granuloma of the jaws: a clinico-radiological study, Clin Radiol 1989; **40:** 622
Horner NB; Pinto RS: fat-cap sign: an aid to MR evaluation of extradural spinal tumors, AJNR 1989; **10:** S93
Horner WR See **Federico JA**
Horning S See **Pond GD**
Hornof WJ See **Koblik PD**
Hornsby VPL See **Ward SC**
Hornsey S; Myers R; Jenkinson T: reduction of radiation damage to the spinal cord by post-irradiation administration of vasoactive drugs, Int J Radiat Oncol Biol Phys 1990; **18:** 1437
Hornung CA See **Hassapoyannes CA**
Horoszowski H See **Graif M**
Horowitz AL See **Phatak MG**
Horowitz AL; Kaplan RD; Grewe G; et al: ovoid lesion: a new MR observation in patients with multiple sclerosis, AJNR 1989; **10:** 303
Horowitz BL; Chari MV; James R; et al: MR of intracranial epidermoid tumors: correlation of in vivo imaging with in vitro ^{13}C spectroscopy, AJNR 1990; **11:** 299
Horowitz DR; Perusek MC; Nguyen VD: rare cause of laryngeal distress: chondrosarcoma of the larynx, Comput Med Imag Graph 1991; **15:** 67
Horowitz J; Kukora JS; Ritchie WP: all perforated ulcers are not alike, (ab), Radiology 1990; **174:** 289
Horowitz M See **Cunningham KM**
Horowitz M See **Kirshy DM**
Horowitz SW; Azar-Kia B; Fine M: postoperative cervical pseudomeningocele, AJNR 1990; **11:** 784
Horrigan TP; Snow NJ: thoracoplasty: current application to the infected pleural space, (ab), Radiology 1991; **181:** 291
Horrocks M See **Jeans WD**
Horrow MM See **Savit RM**
Horsburgh CR Jr; Selik RM: epidemiology of disseminated nontuberculous mycobacterial infection in the acquired immunodeficiency syndrome (AIDS), (ab), Radiology 1989; **172:** 888
Horsfield MA See **Williams SCR**
Horsley JS See **Parker GA**
Horsley JS III See **Hirsch JI**
Horsley WW See **Hessel SJ**
Horsley WW See **Levy JM**
Horsman MR; Hansen PV; Overgaard J: radiosensitization by nicotinamide in tumors and normal tissues: the importance of tissue oxygenation status, Int J Radiat Oncol Biol Phys 1989; **16:** 1273

Horsman MR; Winther J: vascular effects of photodynamic therapy in an intraocular retinoblastoma–like tumour, Acta Oncol 1989; **28:** 693
Horst HM See **Riveron FA**
Hörstermann D See **Gyngell ML**
Horstman WG; Darcy MD: intermittent hydronephrosis as a cause of a false-negative pressure-flow study, Cardiovasc Intervent Radiol 1991; **14:** 185
Horstman WG; McClennan BL; Heiken JP: comparison of computed tomography and conventional cystography for detection of traumatic bladder rupture, Urol Radiol 1991; **12:** 188
Horstman WG; Middleton WD: color Doppler US of the scrotum: authors' response, Radiographics 1991; **11:** 958
Horstman WG; Middleton WD; Melson GL: scrotal inflammatory disease: color Doppler US findings, Radiology 1991; **179:** 55
Horstman WG; Middleton WD; Melson GL; Siegel BA: color Doppler US of the scrotum, Radiographics 1991; **11:** 941
Horton ES Jr See **Sider L**
Horton J See **Kliauga P**
Horton JA See **Dawson RC III**
Horton JA See **Erba M**
Horton JA See **Hecht ST**
Horton JA See **Jungreis CA**
Horton JA See **Pistoia F**
Horton JA See **Schumacher M**
Horton JA See **Tarr RW**
Horton JA; Eelkema E; Albright AL: preoperative embolization of a hemangioblastoma, AJNR 1989; **10:** 203
Horton PW See **Ramsdale ML**
Horvath G See **Thorvinger B**
Horvath W See **Lammer J**
Horvath W; Oertl M; Haidinger D: percutaneous transluminal angioplasty of crural arteries, Radiology 1990; **177:** 565
Horwich A See **Brada M**
Horwich A See **Hamilton CR**
Horwich DN See **Tanna NK**
Horwitz AE See **Schuster V**
Horwitz T See **Friedman L**
Horwitz T See **Singer J**
Hoshi H See **Ohnishi T**
Hoshina M See **Hisamitsu S**
Hoshina M; Shibuya H; Horiuchi J-I; et al: discriminant analysis on the treatment results of interstitial radium tongue implants, Br J Radiol 1989; **62:** 59
Hoshino F See **Takahashi S**
Hosie CJ See **Smith DAS**
Hoskin PJ; Crow J; Ford HT: influence of extent and local management on the outcome of radiotherapy for brain metastases, Int J Radiat Oncol Biol Phys 1990; **19:** 111
Hosking LK See **Hill BT**
Hoskins IA See **Friedman DM**
Hoskins PR: investigation of simulated umbilical artery Doppler waveforms. II. a comparison of three Doppler waveform quality indices, Ultrasound Med Biol 1991; **17:** 23
Hoskins PR; Haddad NG; Johnstone FD; et al: choice of index for umbilical artery Doppler waveforms, Ultrasound Med Biol 1989; **15:** 107
Hoskins PR; Johnstone FD; Chambers SE; et al: heartrate variation of umbilical artery Doppler waveforms, Ultrasound Med Biol 1989; **15:** 101
Hoskins PR; Loupas T; McDicken WN: comparison of the Doppler spectra from human blood and artificial blood used in a flow phantom, Ultrasound Med Biol 1990; **16:** 141
Hoskins PR; Loupas T; McDicken WN: comparison of three different filters for speckle reduction of Doppler spectra, Ultrasound Med Biol 1990; **16:** 375
Hoskins PR; Loupas T; McDicken WN: investigation of simulated umbilical artery Doppler waveforms. I. the effect of three physical parameters on the maximum frequency envelope and on pulsatility index, Ultrasound Med Biol 1991; **17:** 7
Hoskins S See **Herbetko J**
Hoskinson JJ; Daniel GB; Patton CS: indium-111-chloride and three-phase bone scintigraphy: a comparison for imaging experimental osteomyelitis, J Nucl Med 1991; **32:** 67
Hosoki T; Arisawa J; Marukawa T; Tokunaga K; Kuroda C; Kozuka T; Nakano S: portal blood flow in congestive heart failure: pulsed duplex sonographic findings, Radiology 1990; **174:** 733
Hosoki T; Hashimoto T; Masuike M; Marukawa T; Tokunaga K; Kuroda C; Kozuka T: slippery coaxial catheter system, Radiology 1989; **171:** 858
Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T: hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Radiology 1989; **170:** 733
Hosoki T; Marukawa T; Hori S; et al: computed tomographic arteriography of the liver using balloon occlusion, Acta Radiol 1990; **31:** 167
Hosomi M; Oka T; Miyake O; et al: spontaneous rupture of pyelocaliceal diverticulum, Urol Radiol 1989; **11:** 136
Hossack J See **Phillips DJ**
Høst H See **Nissen-Meyer R**
Hosten N See **Henkes H**
Hosten N See **Schubeus P**
Hosten N; Sander B; Cordes M; Schubert CJ; Schörner W; Felix R: Graves ophthalmopathy: MR imaging of the orbits, Radiology 1989; **172:** 759
Hotson GC See **Roshkow JE**
Hotz M See **Müller S**
Hou P; Parker DL; Blatter DD; et al: hybrid MR angiography and Fourier velocity imaging using two echo 3D acquisition, Magn Res Med 1991; **19:** 203
Houang B; Grenier N; Gréselle JF; et al: osteoid osteoma of the cervical spine: misleading MR features about a case involving the uncinate process, Neuroradiol 1990; **31:** 549
Houck JR See **Stryker JA**
Houdek PV See **Schwade JG**
Houdek PV See **Serago CF**
Houdek PV; Schwade JG; Medina AJ; et al: MR technique for localization and verification procedures in episcleral brachytherapy, Int J Radiat Oncol Biol Phys 1989; **17:** 1111
Hough JP See **Coleman CC**
Houghton CR See **McKay MJ**
Houghton J See **Baum M**
Houkin K See **Nakada T**
Houkin K; Nakada T; Suzuki N; et al: cortical spectroscopy: localized spectroscopy of the cerebral cortex in rats, Magn Res Med 1989; **12:** 364
Houlder A See **Pettengell K**
Houle S See **Yip T-CK**
Houle S; Yip T-CK; Shepherd FA; Rotstein LE; Sniderman KW; Theis E; Cawthorn RH; Richmond-Cox K: hepatocellular carcinoma: pilot trial of treatment with Y-90 microspheres, Radiology 1989; **172:** 857
Hoult DI; Deslauriers R: elimination of signal strength dependency upon coil loading—an aid to metabolite quantitation when the sample volume changes, Magn Res Med 1990; **16:** 418
Hoult DI; Deslauriers R: high-sensitivity, high-B_1 homogeneity probe for quantitation of metabolites, Magn Res Med 1990; **16:** 411
Hounsell AR See **Walker A**
Hounsell AR; Wilkinson JM: tissue standard ratios for irregularly shaped radiotherapy fields, Br J Radiol 1990; **63:** 629
Hounsfield GL See **Firmin DN**
Hourihan MD See **Etherington RJ**
Hourihan MD See **Whyte AM**
Hourihan MD See **Winter RK**
Hourihane JB; Owens AP: pitfall in the diagnosis of lobar collapse, Clin Radiol 1989; **40:** 468
Houser OW See **Nixon JR**
Houser OW: E. Robert Heitzman, MD, President, Radiological Society of North America, 1990, Radiology 1989; **173:** 861
Houser OW: William W. Olmsted, MD, new editor, *RadioGraphics*, Radiology 1989; **172:** 875
Houser OW; Kricheff II: RSNA today video, Radiology 1989; **173:** 268
Housman JF; Chezmar JL; Nelson RC: magnetic resonance imaging in hemochromatosis: extrahepatic iron deposition, Gastrointest Radiol 1989; **14:** 59
Housman JF; Fajman WA: false positive V/Q imaging in pulmonary contusion, Clin Nucl Med 1989; **14:** 577
Housset M See **Baillet F**
Housset M; Baillet F; Delanian S; et al: split course interstitial brachytherapy with a source shift: the results of a new iridium implant technique versus single course implants for salvage irradiation of base of tongue cancers in 55 patients, Int J Radiat Oncol Biol Phys 1991; **20:** 965
Houston CS See **Silverthorn KG**
Houston JP; Sampson MA; Collins MC: ultrasound diagnosis of gallbladder perforation in a case of xanthogranulomatous cholecystitis, Br J Radiol 1989; **62:** 273
Houthoff HJ See **Tio TL**
Houtteville JP See **Sigal R**
Houzard C; Andre M; Guilhen S; et al: perfusion lung scan in patients operated for transposition of the great arteries, Clin Nucl Med 1989; **14:** 268
Hovda D See **Teresi LM**
Hove B; Andersen BB; Christiansen TM: intracranial oncotic aneurysms from choriocarcinoma: case report and review of the literature, Neuroradiol 1990; **32:** 526
Hove B; Gyldensted C: cervical analgesic facet joint arthrography, Neuroradiol 1990; **32:** 456
Hove B; Gyldensted C: spiculated vertebral metastases from prostatic carcinoma: report of first two cases, Neuroradiol 1990; **32:** 337
Höver K-H See **Engenhart R**
Hovi I; Hekali P; Korhola O; et al: detection of soft-tissue and skeletal infections with ultra low-field (0.02 T) MR imaging, Acta Radiol 1989; **30:** 495
Hovinga TKK; de Jong PE; Piers DA; et al: diagnostic use of angiotensin converting enzyme inhibitors in radioisotope evaluation of unilateral renal artery stenosis, J Nucl Med 1989; **30:** 605
Hovsepian DM; Amis ES Jr: penile prosthetic implants: a radiographic atlas, Radiographics 1989; **9:** 707
Hovsepian DM; Levy H; Amis ES Jr; et al: MR evaluation of renal space-occupying lesions: diagnostic criteria, Urol Radiol 1990; **12:** 74
Howard BA: interventional radiology in bones and joints, Radiology 1989; **172:** 960
Howard CA; Thal ER; Redman HC; et al: intra-arterial digital subtraction angiography in the evaluation of peripheral vascular trauma, (ab), Radiology 1990; **174:** 588
Howard GCW See **Dunlop PRC**
Howard GCW; Hargreave TB; McIntyre MA: case report: carcinoma in-situ of the testis diagnosed on semen cytology, Clin Radiol 1989; **40:** 323
Howard JD; Elster AD; May JS: temporal bone: three-dimensional CT. part I. normal anatomy, techniques, and limitations, Radiology 1990; **177:** 421
Howard JD; Elster AD; May JS: temporal bone: three-dimensional CT. part II. pathologic alterations, Radiology 1990; **177:** 427
Howard JL; Barron BJ; Smith GG: bone scintigraphy in the evaluation of extraskeletal injuries from child abuse, Radiographics 1990; **10:** 67
Howard JL; Moore WH; Dhekne RD: nail-patella syndrome: hereditary onchyo-osteodysplasia diagnosis by Tc-99m MDP bone scan, Clin Nucl Med 1990; **15:** 53
Howard JM See **Coombs RJ**
Howard JM See **Dobelbower RR Jr**
Howard PW; Stewart HD; Hind RE; et al: external fixation or plaster for severely displaced comminuted Colles' fractures?, (ab), Radiology 1989; **173:** 294
Howard RJ See **Greyson ND**
Howard RS II See **Woodring JH**
Howard TJ; Stabile BE; Zinner MJ; et al: anatomic distribution of pancreatic endocrine tumors, (ab), Radiology 1990; **177:** 290
Howards S See **Abbitt PL**
Howe RS; Isaacson KJ; Albert JL; et al: embryonic heart rate in human pregnancy, J Ultrasound Med 1991; **10:** 367
Howell EJ; de Lange EE; Frierson HF Jr: linitis plastica of the colon: computed tomography findings, Gastrointest Radiol 1990; **15:** 69
Howell SM See **Farley TE**
Howell SM; Berns GS; Farley TE: unimpinged and impinged anterior cruciate ligament grafts: MR signal intensity measurements, Radiology 1991; **179:** 639
Howells GA See **Villalba MR**
Howerton RM; Watkins M; Feldman L: late arterial hemorrhage secondary to a Greenfield filter requiring operative intervention, (ab), JVIR 1991; **2:** 414
Howes AE See **Coleman CN**
Howes AE See **Kramer RA**
Howes AE See **Schray MF**
Howie CR See **Anthony PP**
Howieson J See **Runge VM**
Howman-Giles R See **Uren RF**
Howseman A See **Ordidge RJ**
Howseman AM See **Stehling MK**
Hoyme HE; Jones KL; Dixon SD; et al: prenatal cocaine exposure and fetal vascular disruption, (ab), Radiology 1990; **177:** 599
Hoyt DB See **vanSonnenberg E**
Hoyt RF See **Dachman AH**
Hoyt TS See **Marshall JB**
Hozen H See **Moriwaka F**
Hrafnkelsson J; Tulinius H; Jonasson JG; et al: papillary thyroid carcinoma in Iceland: a study of the occurrence in families and the coexistence of other primary tumours, Acta Oncol 1989; **28:** 785
Hreshchyshyn MM See **Hopkins A**
Hricak H See **Arrivé L**
Hricak H See **Bryan RN**
Hricak H See **Carrington BM**
Hricak H See **Chang YCF**
Hricak H See **Chew WM**
Hricak H See **Demas BE**
Hricak H See **Ehman RL**
Hricak H See **Secaf E**
Hricak H See **Semelka RC**
Hricak H See **Shapeero LG**
Hricak H See **Stevens SK**

Hricak H See **Sugimura K**
Hricak H See **Tavares NJ**
Hricak H See **Thurnher S**
Hricak H See **Tzika AA**
Hricak H See **Vigneron DB**
Hricak H: phosphorus-31 MRS of the kidney, Invest Radiol 1989; **24:** 993
Hricak H; Chang YCF; Cann CE; Parer JT: cervical incompetence: preliminary evaluation with MR imaging, Radiology 1990; **174:** 821
Hricak H; Hamm B; Semelka RC; Cann CE; Nauert T; Secaf E; Stern JL; Wolf K-J: carcinoma of the uterus: use of gadopentetate dimeglumine in MR imaging, Radiology 1991; **181:** 95
Hricak H; Rubinstein LV; Gherman GM; Karstaedt N: MR imaging evaluation of endometrial carcinoma: results of an NCI cooperative study, Radiology 1991; **179:** 829
Hricak H; Secaf E; Buckley DW; Brown JJ; Tanagho EA; McAninch JW: female urethra: MR imaging, Radiology 1991; **178:** 527
Hrovat MI See **Moore GJ**
Hruban RH See **Kuhlman JE**
Hruban RH See **Ney DR**
Hruban RH See **Rabushka LS**
Hruban RH See **Ren H**
Hruban RH See **Urban BA**
Hruban RH; Ren H; Kuhlman JE; et al: inflation-fixed lungs: pathologic–radiologic (CT) correlation of lung transplantation, JCAT 1990; **14:** 329
Hruby W; Stackl W; Urban M; Armbruster C; Marberger M: percutaneous endoscopic cholecystolithotripsy: work in progress, Radiology 1989; **173:** 477
Hruby W; Urban M; Stackl W; Armbruster C; Marberger M: stonebearing gallbladders: CT anatomy as the key to safe percutaneous lithotripsy. work in progress, Radiology 1989; **173:** 385
Hsia J; Hamilton WP; Kleiman N; et al: comparison between heparin and low-dose aspirin as adjunctive therapy with tissue plasminogen activator for acute myocardial infarction, (ab), JVIR 1991; **2:** 294
Hsia YE See **Lamiell JM**
Hsieh F-J See **Chen H-Y**
Hsieh F-J; Chen H-F; Ko T-M; et al: antenatal diagnosis of vasa previa by color-flow mapping, J Ultrasound Med 1991; **10:** 397
Hsieh T-T; Lee J-D: sonographic findings in acute puerperal uterine inversion, JCU 1991; **19:** 306
Hsu H-K See **Hoover EL**
Hsu LCS See **Upadhyay SS**
Hu BS See **Wang SJ**
Hu BS See **Wright GA**
Hu J-q; Guan Y-h; Zhao L-z; et al: delayed radiation encephalopathy after radiotherapy for nasopharyngeal cancer: a CT study of 45 cases, JCAT 1991; **15:** 181
Hu L-X See **Zhang C-C**
Hu X See **Hunter DW**
Hu X See **Levin DN**
Hu Y-H See **Yan J-H**
Hu ZP; Pun T; Pellegrini C: expert system for guiding image segmentation, Comput Med Imag Graph 1990; **14:** 13
Huang CI See **Teng MMH**
Huang FY See **Shen EY**
Huang F-Y See **Tsai T-C**
Huang HK See **Aberle DR**
Huang HK See **Arenson RL**
Huang HK See **Chan KK**
Huang HK See **Hayrapetian A**
Huang HK See **Ho BKT**
Huang HK; Kangarloo H; Cho PS; et al: planning a totally digital radiology department, AJR 1990; **154:** 635
Huang HK; Lou SL; Cho PS; et al: radiologic image communication methods, AJR 1990; **155:** 183
Huang HKB See **McMillan JH**
Huang HKB See **Murphey MD**
Huang R-M; Naidich DP; Lubat E; et al: septic pulmonary emboli: CT-radiographic correlation, AJR 1989; **153:** 41
Huang S-C See **Choi Y**
Huang S-C See **Gambhir SS**
Huang S-J See **Chen J-J**
Huang S-R See **Lee F Jr**
Huang SR See **Lerner RM**
Huang SR See **Parker KJ**
Huang TE See **Smith AS**
Huang T-S See **Chieng P-U**
Huang Y See **Ebeling U**
Huang Y See **Steinmetz H**
Huang YP See **Ragland RL**
Huang Y-S; Lee S-D; Wu J-C; et al: utility of sonographic gallbladder wall patterns in differentiating malignant from cirrhotic ascites, JCU 1989; **17:** 187
Huang Z See **Guo J**
Hubbard AM; Egelhoff JC: MR imaging of large hypothalamic hamartomas in two infants, AJNR 1989; **10:** 1277
Hubbard AM; Egelhoff JC: posterior perineal hernia presenting in infancy as a gluteal mass, Pediatr Radiol 1989; **19:** 246
Hubbard CSF See **Huddart RA**
Hubbard LB: AAPM tutorial: mammography as a radiographic system, Radiographics 1990; **10:** 103
Hubbard S See **Kader KL**
Huber P See **Nüssel F**
Huber RM See **Mayr B**
Huber SJ; Chakeres DW; Paulson GW; et al: magnetic resonance imaging in Parkinson's disease, (ab), Radiology 1991; **178:** 899
Hubert C See **Buy J-N**
Hubesch B See **Boska MD**
Hubesch B See **Karczmar GS**
Hubesch B See **Twieg DB**
Hubesch B; Marinier DS; Hetherington HP; et al: clinical MRS studies of the brain, Invest Radiol 1989; **24:** 1039
Hubesch B; Sappey-Marinier D; Roth K; Meyerhoff DJ; Matson GB; Weiner MW: P-31 MR spectroscopy of normal human brain and brain tumors, Radiology 1990; **174:** 401
Hübsch P See **Trattnig S**
Hübsch PJS; Mostbeck G; Barton PP; et al: evaluation of arteriovenous fistulas and pseudoaneurysms in renal allografts following percutaneous needle biopsy: color-coded Doppler sonography versus duplex Doppler sonography, J Ultrasound Med 1990; **9:** 95
Hubscher S See **Cassar-Pullicino VN**
Hubschmann O See **Beute BJ**
Huckabee RE: meningeal mesenchymal chondrosarcoma of the spine: a case report, JMRI 1991; **1:** 93
Huckman MS See **Johnson CE**
Huckman MS: dose of one's own medicine, AJNR 1990; **11:** 231
Huckman MS: outpatient brachiocephalic angiography, Radiology 1989; **170:** 317
Huda W See **Sutherland JB**
Huda W; Bews JA; Saydak AP: radiation doses in extracorporeal shock wave lithotripsy, Br J Radiol 1989; **62:** 921
Huda W; Sandison GA; Lee TY: patient doses from computed tomography in Manitoba from 1977 to 1987, Br J Radiol 1989; **62:** 138
Huda W; Scrimger JW: irradiation of volunteers in nuclear medicine, J Nucl Med 1989; **30:** 260
Huda W; Sourkes AM; Bews JA; Kowaluk R: radiation doses due to breast imaging in Manitoba: 1978–1988, Radiology 1990; **177:** 813
Huddart R; Moore NR; Williams MV; et al: difficulties in the diagnosis of metastatic testicular teratoma, Br J Radiol 1990; **63:** 569
Huddart RA; Hubbard CSF; Dickinson RJ: biliary stenting for malignant jaundice: a district hospital experience, Clin Radiol 1991; **43:** 103
Hudgins P See **Chaloupka JC**
Hudgins PA See **Castillo M**
Hudgins PA See **Davis PC**
Hudgins PA See **Lewis CA**
Hudgins PA See **Silverstein MI**
Hudgins PA; Davis PC; Hoffman JC Jr: gadopentetate dimeglumine–enhanced MR imaging in children following surgery for brain tumor: spectrum of meningeal findings, AJNR 1991; **12:** 301
Hudgins PA; Davis PC; Hoffman JC Jr: gadopentetate dimeglumine-enhanced MR imaging in children following surgery for brain tumor: spectrum of meningeal findings, AJR 1991; **156:** 1237
Hudgins RJ; Edwards MSB; Goldstein R; et al: natural history of fetal ventriculomegaly, (ab), Radiology 1989; **172:** 587
Hudon G See **Lesperance J**
Hudson TM: MR imaging of periosteal and cortical changes of bone: invited commentary, Radiographics 1991; **11:** 624
Hueftle MG See **Ross JS**
Huenchullan AC; Coblentz CL: graft pseudoaneurysm simulating desmoid tumor recurrence, J Canad Assoc Radiol 1990; **41:** 219
Huesman RH See **Joliot M**
Huesman RH See **Valk PE**
Huff J See **Coldwell DM**
Hugander A See **Robins HI**
Hugh AE: personal view: counselling by radiologists, Clin Radiol 1990; **41:** 279
Hugh J See **Mandell GA**
Hughes A See **DeSombre ER**
Hughes AO See **Jeans WD**
Hughes CS See **Rockwell S**
Hughes D; Golding S: unusual appearances of an adrenal mass on computed tomography, Br J Radiol 1990; **63:** 137
Hughes JMB: radionuclides and the lung: past, present, and future, AJR 1990; **155:** 455
Hughes JS See **Kendall GM**
Hughes KS; Miller DL; Neuman R; et al: extrahepatic tumor deposits misdiagnosed as intrahepatic metastases, (ab), Radiology 1989; **171:** 291
Hughes LL; Rich TA; Delclos L; et al: radiotherapy for anal cancer: experience from 1979–1987, Int J Radiat Oncol Biol Phys 1989; **17:** 1153
Hughes M See **Nicholson DA**
Hughes MD See **Nyberg DA**
Hughes MD; Nyberg DA; Mack LA; Pretorius DH: fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Radiology 1989; **173:** 371
Hughes MP See **Nyberg DA**
Hughes P; Weinberger E; Shaw DWW: linear areas of echogenicity in the thalami and basal ganglia of neonates: an expanded association: work in progress, Radiology 1991; **179:** 103
Hughes PL See **Kenny JB**
Hughes PL See **Lewis-Jones HG**
Hughes PM See **Beswick JS**
Hughes PM; Bisset R: non-ionic contrast media: a comparison of iodine delivery rates during manual injection angiography, Br J Radiol 1991; **64:** 417
Hughes PM; Gupta SC; Thomas NB: case report: xanthogranulomatous pyelonephritis in childhood, Clin Radiol 1990; **41:** 360
Hughes RW See **Ward EM**
Hughes SH See **Markowitz DM**
Hughes SPF See **Wardlaw JM**
Hughes T: new positioning technique for barium enemas, Br J Radiol 1990; **63:** 723
Hughes TH; Hine AL: most advantageous timing of external ureteric compression during intravenous urography, Br J Radiol 1991; **64:** 314
Hugo FP See **Goldstein HA**
Hugol D See **Buy J-N**
Hugol D See **Ghossain MA**
Hugosson C; Harfi H: disseminated BCG-osteomyelitis in congenital immunodeficiency, Pediatr Radiol 1991; **21:** 384
Hugosson C; Jorulf H; Bakri Y: MRI in distal vaginal atresia, Pediatr Radiol 1991; **21:** 281
Hugosson CO; Riff EJ; Moore CCM; et al: lipoid pneumonia in infants: a radiological-pathological study, Pediatr Radiol 1991; **21:** 193
Huhmann W See **Schroeder J**
Huhta JC See **Sharif DS**
Huhta JC; Rotondo KM: fetal echocardiography, Semin Roentgenol 1991; **26:** 5
Hui A See **Oni OOA**
Hui P-W See **Wong S-N**
Huikuri HV See **Ikäheimo MJ**
Huisman MV; Büller HR; ten Cate JW; et al: unexpected prevalence of silent pulmonary embolism in patients with deep venous thrombosis, (ab), Radiology 1989; **173:** 591
Huizenga H See **van Battum LJ**
Huizenga H See **Visser AG**
Huizinga WKJ See **Thomson SR**
Huk W See **Hilz M-J**
Huk W See **Lang C**
Huk WJ See **Schuierer G**
Hulbert C See **Lewandowski ED**
Hulbert JC See **Castaneda F**
Hulbert JC; Hunter DW; Castaneda-Zuniga WR: classification of and techniques for the reconstitution of acquired strictures in the region of the ureteropelvic junction, (ab), Radiology 1989; **171:** 292
Hulbert WC See **Lerner RM**
Hulcelle PJ; Dooms GC; Mathurin P; et al: MRI assessment of unsuspected dural sinus thrombosis, Neuroradiol 1989; **31:** 217
Hulett RL; Bowerman RA; Marks T; et al: prenatal ultrasound detection of congenital gingival granular cell tumor, J Ultrasound Med 1991; **10:** 185
Hull MT See **Franzek DA**
Hull RD; Raskob GE; Coates G; et al: clinical validity of normal perfusion lung scan in patients with suspected pulmonary embolism, (ab), Radiology 1990; **176:** 294
Hüller R; Päffgen W; Glossner E; et al: PC-AT based video device for flow cytometrically triggered cell imaging in flow, Comput Med Imag Graph 1991; **15:** 85
Hulnick DH See **Balthazar EJ**
Hulnick DH See **Bosniak MA**
Hulnick DH See **Smith SJ**
Hülser DF See **Bräuner T**
Hulshof M; Vanuytsel L; Van den Bogaert W; et al: localization errors in mantle-field irradiation for Hodgkin's disease, Int J Radiat Oncol Biol Phys 1989; **17:** 679
Hulsmans FJH; Tio TL; Reeders JWAJ; Tytgat GNJ: transrectal US in the diagnosis of localized colitis cystica profunda, Radiology 1991; **181:** 201
Hultberg BM See **Madsen EL**
Hultborn R; Lundgren-Eriksson L; Ottosson-Lönn S; et al: chlorpromazine-induced hypothermia in tumour-bearing mice, acute cytotoxic drug lethality and long-term survival, Acta Oncol 1990; **29:** 941
Human DG See **Dowdle SC**

Humbert JR See **Numaguchi Y**
Humeniuk V See **Albertyn LE**
Humm JL; Bagshawe KD; Sharma SK; et al: tissue dose estimates following the selective uptake of ^{125}IUdR and other radiolabelled thymidine precursors in resistant tumours, Br J Radiol 1991; **64:** 45
Humm JL; Charlton DE: new calculational method to assess the therapeutic potential of Auger electron emission, Int J Radiat Oncol Biol Phys 1989; **17:** 351
Humm JL; Cobb LM: nonuniformity of tumor dose in radioimmunotherapy, J Nucl Med 1990; **31:** 75
Hummeli W See **Desai SP**
Humphrey LS See **Treiger BFG**
Humphrey VF See **Starritt HC**
Humphries LL See **Joyce JM**
Hung C-F See **Chen M-F**
Hung CF See **Cheng YF**
Hung G-L See **Stewart CA**
Hung G-L; Stewart CA; Yeo E; et al: incidental demonstration of cerebral infarction on bone scintigraphy in sickle cell disease, Clin Nucl Med 1990; **15:** 671
Hung W See **Sivit CJ**
Hungerford DS See **Cova M**
Hungerford DS See **Jacobs MA**
Hungerford JL See **Bomanji J**
Hunig R See **Landmann C**
Hunink MGM; de Slegte RGM; Gerritsen GJ; et al: CT and MR assessment of tumors of the nose and paranasal sinuses, the nasopharynx and the parapharyngeal space using ROC methodology, Neuroradiol 1990; **32:** 220
Hunsicker LG See **Yuh WTC**
Hunt KR See **Elam EA**
Hunt KR See **Hunter TB**
Hunt MA; Shank B; McCormick B; et al: use of lymphoscintigraphy in treatment planning of primary breast cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 597
Hunt NH See **Holmes KT**
Hunt SA See **Valantine HA**
Hunt SJ See **Johnson PC**
Hunt TM See **Perring S**
Hunter DW See **Bildsoe MC**
Hunter DW See **Castaneda F**
Hunter DW See **Cragg AH**
Hunter DW See **duCret RP**
Hunter DW See **Epstein DH**
Hunter DW See **Hedlund LJ**
Hunter DW See **Hulbert JC**
Hunter DW See **Leach KR**
Hunter DW See **Letourneau JG**
Hunter DW See **Murphy TP**
Hunter DW See **Ponomar E**
Hunter DW See **Repa I**
Hunter DW See **Smith TP**
Hunter DW See **Snider JF**
Hunter DW See **Tadavarthy AK**
Hunter DW See **Yedlicka JW Jr**
Hunter DW; Bildsoe MC; Amplatz K: aid for safer sclerotherapy of the internal spermatic vein, Radiology 1989; **173:** 282
Hunter DW; Castañeda F; Cragg AH; Darcy MD; Hu X; Longley DG; Martin LG; Matalon T; Steinberg F; Stillman A; Thorpe P; Vogelzang RL: cardiovascular/interventional radiology: RSNA '90 meeting notes, Radiology 1991; **178:** 918
Hunter DW; Cragg AH; Darcy MD; Ferris E; Thorpe P; Vogelzang RL; van Breda A; Herrera M; Castaneda F: cardiovascular/interventional radiology: RSNA '88 meeting notes, Radiology 1989; **170:** 910
Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F: cardiovascular/interventional radiology: RSNA '89 meeting notes, Radiology 1990; **174:** 907
Hunter JA See **DeLaria GA**
Hunter JC See **Parisi M**
Hunter JG See **Handy JE**
Hunter JG See **Miller FJ**
Hunter N See **Milas L**
Hunter RE See **Bierman SM**
Hunter TB See **Boren WL**
Hunter TB See **Elam EA**
Hunter TB See **Freundlich IM**
Hunter TB See **Jones KM**
Hunter TB; Fajardo LL; Hunt KR; et al: comprehensive breast cancer detection in an academic environment, Invest Radiol 1991; **26:** 598
Hunter TB; Fajardo LL; Jarvis JL; et al: altered gastric and duodenal motility in intestinal obstruction, Gastrointest Radiol 1990; **15:** 193
Hunter TB; McNeill KM: radiologist's workstation, Invest Radiol 1990; **25:** 282
Hunter-Craig ID See **Heron CW**
Huntington DK: CT and sonography of the acute abdomen, Radiology 1990; **175:** 454
Huntington DK: intraoperative ultrasonography in hepatobiliary and pancreatic surgery: a practical guide, Radiology 1990; **176:** 754
Huntington DK: ultrasound diagnosis of digestive diseases, 3rd ed, revised, Radiology 1991; **178:** 90
Huntington DK; Hill SC; Hill MC: sonographic manifestations of medical renal disease, Semin US CT MR 1991; **12:** 290
Huntington DK; Hill MC; Steinberg W: biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Radiology 1989; **172:** 47
Huntrakoon M See **Levine E**
Huot D See **Homsy YL**
Huot D; Ton-That QT; Le Bel L; et al: reverse discordant behavior and progressive filling of a cold nodule on Tc-99m pertechnetate thyroid imaging, Clin Nucl Med 1990; **15:** 5
Huovinen R See **Kellokumpu-Lehtinen P**
Hupke R See **Levy JM**
Huppert PE See **Duda SH**
Hurban RH See **Kuhlman JE**
Hurford WE; Crosby G; Strauss HW; et al: ventricular performance and glucose uptake in rats during chronic hypobaric hypoxia, J Nucl Med 1990; **31:** 1344
Hurlbut D; Myers ML; et al: pleuropulmonary morbidity: internal thoracic artery versus saphenous vein graft, (ab), Radiology 1991; **181:** 614
Hurlbut DJ See **Bach DB**
Hurme M; Alaranta H; Aalto T; et al: lumbar spinal canal size of sciatica patients, Acta Radiol 1989; **30:** 353
Hurme M; Katevuo K; Nykvist F; et al: CT five years after myelographic diagnosis of lumbar disk herniation, Acta Radiol 1991; **32:** 286
Hurson BJ See **Redmond OM**
Hurst B See **Varner MW**
Hurst B; Varner MW: nonimaging methods for assessment of fetal well-being, Semin US CT MR 1989; **10:** 396
Hurst GC See **Duerk JL**
Hurst GC See **Murphy WD**
Hurst GC See **Smith AS**
Hurst PE See **Anderson JEM**
Hurst RW See **Abbitt PL**
Hurst RW; Abbitt PL: fetal intracranial hemorrhage and periventricular leukomalacia: complications of twin-twin transfusion, AJNR 1989; **10:** S62
Hurst RW; Erickson S; Cail WS; et al: computed tomographic features of esthesioneuroblastoma, Neuroradiol 1989; **31:** 253
Hurst RW; Kerns SR; McIlhenny J; et al: neonatal dural venous sinus thrombosis associated with central venous catheterization: CT and MR studies, JCAT 1989; **13:** 504
Hurst RW; Williamson BRJ; McGregor R: technetium-99m uptake in neonatal breast, Clin Nucl Med 1989; **14:** 61
Hurvitz C See **Tanasescu DE**
Hurwitz A; Yagel S; Zion I; et al: management of persistent clear pelvic cysts diagnosed by ultrasonography, (ab), Radiology 1989; **171:** 882
Hurwitz GA See **Laurin NR**
Hurwitz GA; Mattar AG; Bhargava R; et al: renal uptake of Tl-201 in hypertensive patients undergoing myocardial perfusion imaging, Clin Nucl Med 1990; **15:** 88
Hurwitz J See **Messmer JM**
Hurwitz R; Lane SR; Bell RA; Brant-Zawadzki MN: acoustic analysis of gradient-coil noise in MR imaging, Radiology 1989; **173:** 545
Hurwitz RA; Siddiqui A; Caldwell RL; et al: assessment of ventricular function in infants and children: response to dobutamine infusion, Clin Nucl Med 1990; **15:** 556
Hurwitz RS See **Bartone FF**
Hurwitz SR; Nageotte MP: amniocentesis needle with improved sonographic visibility, Radiology 1989; **171:** 576
Husain M See **Benitez WI**
Husband J See **Mills P**
Husband JE See **Williams MP**
Husband JES; Olliff JFC; Williams MP; Heron CW; Cherryman GR: bladder cancer: staging with CT and MR imaging, Radiology 1989; **173:** 435
Husby T See **Høiseth A**
Husein AMA; Haq N: case report: cerebral arteritis with unusual distribution, Clin Radiol 1990; **41:** 353
Husein AMA; Kale VR: case report: tibia vara caused by focal fibrocartilaginous dysplasia, Clin Radiol 1989; **40:** 104
Hussain R See **Kimme-Smith C**
Hussain S; Dinshaw H: ultrasonography in amebic colitis, J Ultrasound Med 1990; **9:** 385
Hussey DH See **Dion MW**
Hussey DH See **Halpern J**
Hussey DH See **Ross CS**
Hussey DH See **Wen B-C**
Hussey JK See **Smith FW**
Hussman KL; Friedwald JP; Gollub MJ; et al: Caroli's disease associated with infantile polycystic kidney disease: prenatal sonographic appearance, J Ultrasound Med 1991; **10:** 235
Husson J-L See **Frocrain L**
Husson MA See **Agrons GA**
Husted JW See **Spies JB**
Huston J III; Muhm JR: solitary pulmonary nodules: evaluation with a CT reference phantom, Radiology 1989; **170:** 653
Huston J III; Rufenacht DA; Ehman RL; Wiebers DO: intracranial aneurysms and vascular malformations: comparison of time-of-flight and phase-contrast MR angiography, Radiology 1991; **181:** 721
Hustu HO See **Pao WJ**
Hutchins GD See **Junck L**
Hutchins GD See **Stewart RE**
Hutchins GD See **Wahl RL**
Hutchins GM See **Kuhlman JE**
Hutchins LG; Harnsberger HR; Hardin CW; et al: radiologic assessment of trigeminal neuropathy, AJNR 1989; **10:** 1031
Hutchins LG; Harnsberger HR; Hardin CW; et al: radiologic assessment of trigeminal neuropathy, AJR 1989; **153:** 1275
Hutchins LG; Harnsberger HR; Jacobs JM; Apfelbaum RI: trigeminal neuralgia (tic douloureux): MR imaging assessment, Radiology 1990; **175:** 837
Hutchins WW; Crues JV III; Miya P; et al: MR demonstration of pituitary hyperplasia and regression after therapy for hypothyroidism, AJNR 1990; **11:** 410
Hutchinson RJ See **Sisson JC**
Hutchison KJ See **Campbell JD**
Hutchison SJ See **Shah AM**
Hutson WR See **Datz FL**
Hutter RVP See **Beute BJ**
Hutto RL See **Dowling K**
Hutton CW See **Fry ME**
Hutton J See **Goddard MK**
Hutton LC See **Brunet WG**
Hutton LC See **Holland SA**
Huvos A See **Gould ES**
Huvos AG See **Brandwein MS**
Huysmans DA; Corstens FH; Kloppenborg PW: long-term follow-up in toxic solitary autonomous thyroid nodules treated with radioactive iodine, J Nucl Med 1991; **32:** 27
Hvid-Jacobsen K See **Thomsen HS**
Hvid-Jacobsen K; Thomsen HS; Nielsen SL: diuresis renography: a simultaneous comparison between ^{131}I-hippuran and ^{99m}Tc^{m}-MAG$_3$, Acta Radiol 1990; **31:** 83
Hvid-Jacobsen K; Thomsen HS; Nielsen SL; et al: scintigraphic demonstration of the thoracic duct following oral ingestion of ^{125}I-heptadecanoic acid, Gastrointest Radiol 1989; **14:** 212
Hwang CC See **Chu JCH**
Hwang CC See **Soffen EM**
Hwang D-R See **Shelton ME**
Hwang D-R; Eckelman WC; Mathias CJ; et al: positron-labeled angiotensin-converting enzyme (ACE) inhibitor: fluorine-18-fluorocaptopril. probing the ACE activity in vivo by positron emission tomography, J Nucl Med 1991; **32:** 1730
Hwang D-R; Lang L; Mathias CJ; et al: N-3-[^{18}F]fluoropropylputrescine as potential PET imaging agent for prostate and prostate derived tumors, J Nucl Med 1989; **30:** 1205
Hwang HY See **Kim SH**
Hwang MH; Piao ZE; Murdock DK; Messmore HL; Giardina JJ; Scanlon PJ: risk of thromboembolism during diagnostic and interventional cardiac procedures with nonionic contrast media, Radiology 1990; **174:** 453
Hwang SH See **Lee KS**
Hwang T-L See **Chen M-F**
Hwang W-S See **Guan S-I**
Hyams BB See **Shenouda NF**
Hyde I See **Herbetko J**
Hyde I See **Sheridan J**
Hyde I; English RE; Williams JD: changing pattern of chronic lung disease of prematurity, (ab), Radiology 1990; **175:** 591
Hyde JS See **Erickson SJ**
Hyde JS See **Grist TM**
Hyde JS See **Jesmanowicz A**
Hyde JS See **Kneeland JB**
Hyde JS See **Wong EC**
Hyde JS; Jesmanowicz A; Kneeland JB; Daniels DL; McGivney GP: facial surface coil for MR imaging, Radiology 1990; **174:** 276
Hyde JS; Rilling RJ; Jesmanowicz A; et al: piezoelectric-controlled tuning capacitor for surface coils, Magn Res Med 1989; **12:** 50
Hyder F See **Grad J**
Hye RJ See **Fellmeth BD**
Hyland R See **Gray R**
Hyland R See **Mirich DR**
Hylarides MD See **Wilbur DS**
Hyman A See **Seidenwurm D**
Hyman TJ; Kurland RJ; Levy GC; et al: characterization of normal brain tissue using seven calculated MRI parameters and a statistical analysis system, Magn Res Med 1989; **11:** 22

Hynes DM; Rowlands JA; Edmonds EW: clinical comparison of analog and digital 100 mm photofluorography, J Canad Assoc Radiol 1989; **40:** 262
Hynynen K See **Billard BE**
Hynynen K: effect of tissue perfusion on temperature elevation, Ultrasound Med Biol 1989; **15:** S41
Hynynen K: threshold for thermally significant cavitation in dog's thigh muscle *in vivo*, Ultrasound Med Biol 1991; **17:** 157
Hynynen K; Lulu BA: hyperthermia in cancer treatment, Invest Radiol 1990; **25:** 824
Hynynen KH See **Harari PM**
Hyre HM; Stelling CB: radiographic appearance of healed extremity fractures in children with spinal cord lesions, Skeletal Radiol 1989; **18:** 189
Hyrynkangas K See **Lähde S**
Hyslop WB See **Enochs WS**
Hyvärinen S See **Päivänsalo M**

I

Iaccarino V; Russo D; Niola R; et al: total or partial percutaneous renal ablation in the treatment of renovascular hypertension: radiological and clinical aspects, Br J Radiol 1989; **62:** 593
Iaccarino V; Sadile F; Vetrani A; et al: percutaneous intralesional brushing of cystic lesions of bone: a technical improvement of diagnostic cytology, Skeletal Radiol 1990; **19:** 187
Iacono OL See **Sciarrino E**
Iannone A See **Federico M**
Iannotti JP See **Zlatkin MB**
Iannotti JP; Zlatkin MB; Esterhai JL; et al: magnetic resonance imaging of the shoulder: sensitivity, specificity, and predictive value, (ab), Radiology 1991; **180:** 591
Iannuzzi C; Belghiti J; Erlinger S; et al: cholangitis associated with cholecystitis in patients with acquired immunodeficiency syndrome, (ab), JVIR 1991; **2:** 297
Ibarra B See **Romero FJ**
Iba-Zizen M-T See **Laissy J-P**
Ibis E See **Tali ET**
Ibuka K See **Nakano S**
Ibukuro K See **Furui S**
Ibukuro K See **Yoshimatsu S**
Ichihashi K; Yano S; Kobayashi S; et al: serial imaging of Menkes disease, Neuroradiol 1990; **32:** 56
Ichijo M See **Kobari M**
Ichikawa F See **Endo M**
Ichikawa T See **Takayasu K**
Ichise M See **Nagel JS**
Ichiya Y See **Kuwabara Y**
Ichiya Y See **Sasaki M**
Ichiya Y See **Tahara T**
Ichiya Y; Kuwabara Y; Otsuka M; et al: assessment of response to cancer therapy using fluorine-18-fluorodeoxyglucose and positron emission tomography, J Nucl Med 1991; **32:** 1655
Ida M See **Matsui O**
Ida M See **Miyamoto Y**
Ida M See **Toyoda K**
Iddenden D See **Thickman D**
Ide M: acoustic data of Japanese ultrasonic diagnostic equipment, Ultrasound Med Biol 1989; **15:** S49
Idir ABC See **Carlier R**
Ido K See **Hashimoto S**
Idoine J See **Brown EJ Jr**
Idvall I See **Borg Å**
Idy-Peretti I See **Bittoun J**
Iemoto Y; Ushigome S; Fukunaga M; et al: case report 679, Skeletal Radiol 1991; **20:** 379
Iemoto Y; Ushigome S; Ikegami M; et al: case report 648, Skeletal Radiol 1991; **20:** 59
Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB: iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Radiology 1989; **170:** 749
Ignotus PI; Sandrasagra FA; Adam EJ; et al: echo enhancement behind solid intra-hepatic metastases: a potential pitfall in diagnosis, Clin Radiol 1990; **42:** 340
Iguchi M See **Minami M**
Ihse I See **Lindström E**
Iida M See **Matsui T**
Iida M See **Matsumoto T**
Iida M See **Suekane H**
Iida M See **Tada S**
Iida Y See **Katsushima S**
Iida Y See **Tokuda Y**
Iinuma G See **Kanematsu M**
Iio M See **Furui S**
Iio M See **Minami M**
Iishi H See **Nakaizumi A**
Ikäheimo MJ; Huikuri HV; Airaksinen J; et al: pericardial effusion after cardiac surgery: incidence, relation to the type of surgery, antithrombotic therapy, and early coronary bypass graft patency, (ab), Radiology 1989; **171:** 590
Ikeda DM See **Adler DD**
Ikeda DM See **Helvie MA**
Ikeda DM See **Rebner M**
Ikeda DM See **Sickles EA**
Ikeda DM; Andersson I: ductal carcinoma in situ: atypical mammographic appearances, Radiology 1989; **172:** 661
Ikeda DM; Andersson I: ductal carcinoma in situ: atypical mammographic appearances: reply, Radiology 1990; **175:** 285
Ikeda DM; Caron KH; Faison JD: term infant with progressive tachypnea, Invest Radiol 1990; **25:** 79
Ikeda DM; Francis IR; Glazer GM; et al: detection of adrenal tumors and hyperplasia in patients with primary aldosteronism: comparison of scintigraphy, CT, and MR imaging, AJR 1989; **153:** 301
Ikeda H See **Takashima S**
Ikeda K See **Hachitanda Y**
Ikeda K See **Iwasaki Y**
Ikeda M See **Ishigaki T**
Ikeda M See **Kono M**
Ikeda M; Sakuma S; Maruyama K: RGSS-ID: an approach to new radiologic reporting system, Comput Med Imag Graph 1990; **14:** 395
Ikeda T See **Kuwano K**
Ikegami M See **Iemoto Y**
Ikehira H See **Ueshima Y**
Ikekubo K See **Kudo M**
Ikeuchi D See **Ohta H**
Ikeya S See **Takayasu K**
Ikezaki K; Fujii K; Kishikawa T: magnetic resonance imaging of an intraventricular craniopharyngioma, Neuroradiol 1990; **32:** 247
Ikezoe J See **Akira M**
Ikezoe J See **Isaza M**
Ikezoe J See **Murayama S**
Ikezoe J See **Takashima S**
Ikezoe J; Kadowaki K; Morimoto S; et al: mediastinal lymph node metastases from nonsmall cell bronchogenic carcinoma: reevaluation with CT, JCAT 1990; **14:** 340
Ikezoe J; Morimoti S; Arisawa J; et al: percutaneous biopsy of thoracic lesions: value of sonography for needle guidance, AJR 1990; **154:** 1181
Ikezoe J; Morimoto S; Takashima S; et al: acute radiation-induced pulmonary injury: computed tomography evaluation, Semin US CT MR 1990; **11:** 409
Ikezoe J; Murayama S; Godwin JD; Done SL; Verschakelen JA: bronchopulmonary sequestration: CT assessment, Radiology 1990; **176:** 375
Ikezoe J; Nakanishi K; Morimoto S; et al: sonographic staging of cancer of the mobile tongue, Acta Radiol 1991; **32:** 6
Ikezoe J; Sone S; Morimoto S; et al: computed tomography reveals atypical localization of benign mediastinal tumors, Acta Radiol 1989; **30:** 175
Iles RA See **Beech JS**
Iles S See **Hiltz A**
Iles S See **Woods ER**
Iles SE See **Campbell DR**
Iles SE See **Hiltz A**
Iles SE: extensive Paget's disease demonstrated on In-111 WBC scanning, Clin Nucl Med 1990; **15:** 652
Iliakis G; Kurtzman S: application of non-hypoxic cell sensitizers in radiobiology and radiotherapy: rationale and future prospects, Int J Radiat Oncol Biol Phys 1989; **16:** 1235
Iliakis G; Pantelias G; Okayasu R; et al: comparative studies on repair inhibition by AraA, AraC and aphidicolin of radiation induced DNA and chromosome damage in rodent cells: comparison with fixation of PLD, Int J Radiat Oncol Biol Phys 1989; **16:** 1261
Ilkhanipour ZS See **Harris KM**
Illescas FF See **Dunnick NR**
Illescas FF See **Fraser-Hill MA**
Illescas FF See **Reinhold C**
Illescas FF; Leclerc J; Rosenthall L; et al: interobserver variability in the interpretation of contrast venography, technetium-99m red blood cell venography and impedance plethysmography for deep vein thrombosis, J Canad Assoc Radiol 1990; **41:** 264
Illner W-D See **Berger H**
Ilowite JS See **Baskin MI**
Ilstrup DM See **Julsrud PR**
Im J-G See **Choi BI**
Im J-G See **Lee KS**
Im J-G See **Park JH**
Im J-G; Han MC; Yu EJ; Han JK; Park JM; Kim C-W; Seo JW; Yoon Y; Lee JD; Lee KS: lobar bronchioloalveolar carcinoma: "angiogram sign" on CT scans, Radiology 1990; **176:** 749
Im J-G; Kim JH; Han MC; et al: computed tomography of esophagomediastinal fistula in tuberculous mediastinal lymphadenitis, JCAT 1990; **14:** 89
Im J-G; Lee WJ; Han MC; et al: congenital bronchoesophageal fistula in the adult, Clin Radiol 1991; **43:** 380
Im J-G; Webb WR; Han MC; Park JH: apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Radiology 1991; **178:** 727
Im J-G; Webb WR; Rosen A; Gamsu G: costal pleura: appearances at high-resolution CT, Radiology 1989; **171:** 125
Im J-G; Yeon KM; Han MC; et al: leptospirosis of the lung: radiographic findings in 58 patients, AJR 1989; **152:** 955
Imada H See **Uchino A**
Imaeda T See **Kanematsu M**
Imaeda T; Inoue A; Doi H; et al: increased focal uptake of Tc-99m stannous phytate in an irregular fatty liver demonstrated by SPECT imaging, Clin Nucl Med 1990; **15:** 504
Imaeda T; Sone Y; Yamawaki Y; et al: liver hypertrophy and portal hypertension in association with tumor thrombus in the portal vein: CT findings, JCAT 1991; **15:** 542
Imaeda T; Yamawaki Y; Hirota K; et al: tumor thrombus in the branches of the distal portal vein: CT demonstration, JCAT 1989; **13:** 262
Imahori Y; Fujii R; Ueda S; et al: no-carrier-added carbon-11-labeled *sn*-1,2- and *sn*-1,3-diacylglycerols by [^{11}C]propyl ketene method, J Nucl Med 1991; **32:** 1622
Imai A See **Kawamura S**
Imai S; Kajihara Y; Komaki K; et al: paraganglioma of the duodenum: a case report with radiological findings and literature review, Br J Radiol 1990; **63:** 975
Imai S; Kajihara Y; Nishishita S; et al: effect of ethanol induced occlusion of the renal artery in rabbit kidney implanted with VX2 carcinoma, Acta Radiol 1989; **30:** 535
Imai Y See **Schnall MD**
Imai Y; Kressel HY; Saul SH; Chao PW; Schnall MD; Lenkinski RE; Listerud JM; Daly JM: colorectal tumors: an in vitro study of high-resolution MR imaging, Radiology 1990; **177:** 695
Imakita S See **Hayashida K**
Imakita S See **Kazui S**
Imakita S See **Yamada N**
Imakita S; Nishimura T; Yamada N; et al: cerebral vascular malformations: applications of magnetic resonance imaging to differential diagnosis, Neuroradiol 1989; **31:** 320
Imamura K See **Torii Y**
Imamura M See **Sakurada K**
Imanaka H See **Morimoto S**
Imanishi Y; Ehara N; Mori J; et al: measurement of thyroid iodine by CT, JCAT 1991; **15:** 287
Imazeki K See **Okada J**
Imhof H See **Herold CJ**
Imhof H See **Steiner E**
Imoto EM; Stein RM; Shellito JE; et al: central airway obstruction due to cytomegalovirus-induced necrotizing tracheitis in a patient with AIDS, (ab), Radiology 1991; **179:** 291
Impallomeni MG; Arnot RN; Alexander MSM; et al: incidence of pulmonary embolism in elderly patients newly admitted to an acute geriatric unit: a prospective study, Clin Nucl Med 1990; **15:** 84
Imura K See **Hasegawa T**
Imura T See **Masunaga S-i**
Inculet RI See **Gehman KE**
Indrani S; Raji V; Kalyani N; et al: sonographic diagnosis of blunt trauma causing delayed hemopericardium and cardiac tamponade, J Ultrasound Med 1991; **10:** 291
Indresano AT See **Lieberman JM**
Infante-Rivard C See **Picard D**
Ing JJ; Smith DC; Bull BS: differing mechanisms of clotting inhibition by ionic and nonionic contrast agents, Radiology 1989; **172:** 345
Ingels M See **Verboven M**
Ingersoll L; Woo SY; Donaldson S; et al: nasopharyngeal carcinoma in the young: a combined M. D. Anderson and Stanford experience, Int J Radiat Oncol Biol Phys 1990; **19:** 881
Inglis JA See **Law J**
Ingram C; Joseph AEA: stilette sign: the appearance of dilated bile ducts in the fatty liver, Clin Radiol 1989; **40:** 257
Ingram CE; Belli AM; Lewars MD; et al: normal lymph node size in the mediastinum: a retrospective study in two patient groups, Clin Radiol 1989; **40:** 35
Ingram J; Benjamin CS: case report of central nervous system lymphoma following immunosuppression, Australas Radiol 1989; **33:** 163
Ingram RR: shoulder in multiple epiphyseal dysplasia, (ab), Radiology 1991; **181:** 615

Ingram SS; Rosenman J; Heath R; et al: predictive value of progesterone receptor levels in endometrial cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 21
Ingrisch H See **Mayr B**
Ingvar C; Norrgren K; Strand S-E; et al: biokinetics of radiolabeled monoclonal antibodies in heterotransplanted nude rats: evaluation of corrected specific tissue uptake, J Nucl Med 1989; **30:** 1224
Ingvar C; Norrgren K; Strand S-E; et al: subcutaneous injection of monoclonal antibody 96.5: biokinetics in the nude rat heterotransplanted with malignant melanoma, Acta Oncol 1990; **29:** 1047
Ingvar C; Norrgren K; Strand S-E; et al: tumour uptake of monoclonal antibody after regional intraarterial injection: biokinetics in the nude rat heterotransplanted with malignant melanoma, Acta Oncol 1991; **30:** 65
Inkelis SH See **Henneman PL**
Inman BC See **Hall RC**
Inniger R See **Faubert C**
Innis RB; Al-Tikriti MS; Zoghbi SS; et al: SPECT imaging of the benzodiazepine receptor: feasibility of in vivo potency measurements from stepwise displacement curves, J Nucl Med 1991; **32:** 1754
Ino T; Nishimoto K; Akimoto K; et al: percutaneous transluminal coronary angioplasty for Kawasaki disease: a case report and literature review, (ab), JVIR 1991; **2:** 417
Ino T; Shimazaki S; Akimoto K; et al: coronary artery calcification in Kawasaki disease, Pediatr Radiol 1990; **20:** 520
Inoue A See **Imaeda T**
Inoue E See **Hori S**
Inoue E See **Narumi Y**
Inoue E; Hori S; Narumi Y; Fujita M; Kuriyama K; Kadota T; Kuroda C: portal-systemic encephalopathy: presence of basal ganglia lesions with high signal intensity on MR images, Radiology 1991; **179:** 551
Inoue H; Kobayashi H; Itoh Y; et al: treatment of liver metastases by arterial injection of adriamycin/mitomycin C lipiodol suspension, Acta Radiol 1989; **30:** 603
Inoue K See **Nagamachi S**
Inoue M; Shino K; Hirose H; et al: subluxation of the patella. computed tomography analysis of patellofemoral congruence, (ab), Radiology 1989; **171:** 590
Inoue S See **Tanaka K**
Inoue T See **Teshima T**
Inoue Y See **Furui S**
Inoue Y See **Nemoto Y**
Inoue Y See **Yoshimatsu S**
Inoue Y; Matsumura Y; Fukuda T; et al: MR imaging of Wallerian degeneration in the brainstem: temporal relationships, AJNR 1990; **11:** 897
Inoue Y; Nakamura H; Yamaguchi S; et al: benign non-parenchymal renal tumors: radiologic appearances, Clin Imag 1991; **15:** 113
Insana MF See **Garra BS**
Insana MF See **Smith SW**
Inscoe SW See **Alger JR**
Inscoe SW See **Choyke PL**
Inscore D See **De Smet AA**
Intenzo CM See **Kim SM**
Intenzo CM; Desai AG; Kim SS; et al: lymphedema of the lower extremities: evaluation by microcolloidal imaging, Clin Nucl Med 1989; **14:** 107
Intenzo CM; Desai AG; Park CH: resolution of metastatic calcification by bone imaging, Clin Nucl Med 1989; **14:** 62
Intenzo CM; Kim S; Millin J; et al: scintigraphic patterns of the reflex sympathetic dystrophy syndrome of the lower extremities, Clin Nucl Med 1990; **14:** 657
Intenzo CM; Park CH; Cohen SN: thyroid carcinoma presenting as an autonomous thyroid nodule, Clin Nucl Med 1990; **15:** 313
Intenzo CM; Park CH; Kim SM: rapid resolution of pulmonary embolism by tissue plasminogen activator, Clin Nucl Med 1989; **14:** 801
Intenzo CM; Wapner KL; Park CH; et al: evaluation of plantar fasciitis by three-phase bone scintigraphy, Clin Nucl Med 1991; **16:** 325
Inugami A See **Ogawa T**
Inugami A See **Tomura N**
Inui T See **Abe K**
Iosilevsky G See **Front D**
Iosilevsky G See **Groshar D**
Iosilevsky G; Israel O; Frenkel A; et al: practical SPECT technique for quantitation of drug delivery to human tumors and organ absorbed radiation dose, Semin Nucl Med 1989; **19:** 33
Iossa A See **Ciatto S**
Iparraguirre MC See **Casillas J**
Ipinyomi J; Watt I: case of the month: the misleading pre-operative chest radiograph, Br J Radiol 1989; **62:** 279
Irie G; Miyasaka K: clinical experience—16 months of HU-PACS, Comput Med Imag Graph 1991; **15:** 191
Irie T See **Furui S**
Irie T See **Makita K**
Irie T; Furui S; Yamauchi T; Makita K; Sawada S; Takenaka E: relocatable Gianturco expandable metallic stents, Radiology 1991; **178:** 575
Irie T; Takahashi M; Kaneko M: case report 546, Skeletal Radiol 1989; **18:** 310
Irion M See **Hillman BJ**
Irons JM See **Glynn TP Jr**
Irvine AT See **Flower MA**
Irvine EJ; O'Connor J; Frost RA; et al: prospective comparison of double contrast barium enema plus flexible sigmoidoscopy *v* colonoscopy in rectal bleeding: barium enema *v* colonoscopy in rectal bleeding, (ab), Radiology 1989; **171:** 881
Irving HC See **Ostlere SJ**
Irving HC See **Saifuddin A**
Irving HD; Burbridge BE: incompatibility of contrast agents with intravascular medications: work in progress, Radiology 1989; **173:** 91
Irving JD; Adam A; Dick R; Dondelinger RF; Lunderquist A; Roche A: Gianturco expandable metallic biliary stents: results of a European clinical trial, Radiology 1989; **172:** 321
Irwin CJR; Mantell BS: reversal of vocal cord palsy by tamoxifen, Clin Radiol 1989; **40:** 199
Irwin G See **Mandel PR**
Irwin GAL See **Schweitzer ME**
Irwin R See **Fink-Bennett D**
Irwin RS See **Bartter T**
Irwin RS See **Smyrnios NA**
Isaac CA See **Beach KW**
Isaacs D See **Spencer JA**
Isaacs H See **Senac MO Jr**
Isaacs H Jr See **Mahour GH**
Isaacs JH See **Posniak HV**
Isaacson KJ See **Howe RS**
Isaksson A See **Ivancev K**
Isawa T; Teshima T; Hirano T; et al: mucociliary clearance and transport in bronchiectasis: global and regional assessment, J Nucl Med 1990; **31:** 543
Isaza M; Ikezoe J; Morimoto S; et al: computed tomography and ultrasonography in parotid tumors, Acta Radiol 1989; **30:** 11
Isherwood I See **Hawnaur JM**
Ishibashi H See **Dohmen K**
Ishibashi H; Higuchi N; Shimamura R; et al: sonographic assessment and grading of spleen size, JCU 1991; **19:** 21
Ishibashi M See **Morita S**
Ishida H See **Tsurui N**
Ishida T See **Nakahashi H**
Ishida T See **Sugimura K**
Ishida T; Oka T; Nishino T; et al: inflammatory pseudotumor of the lung in adults: radiographic and clinicopathological analysis, (ab), Radiology 1990; **174:** 899
Ishida T; Yano T; Maeda K; et al: strategy for lymphadenectomy in lung cancer three centimeters or less in diameter, (ab), Radiology 1991; **181:** 292
Ishida Y See **Mori H**
Ishigaki T; Sakuma S; Ikeda M; Itoh Y; Suzuki M; Iwai S: clinical evaluation of irreversible image compression: analysis of chest imaging with computed radiography, Radiology 1990; **175:** 739
Ishii K See **Sato A**
Ishii K See **Sugita R**
Ishii K; Maeda K; Hashihira M; et al: MRI of mediastinal cavernous hemangioma, Pediatr Radiol 1990; **20:** 556
Ishii K; Matsuo S; Hirayama Y; et al: intrahepatic biliary cysts after hepatic portoenterostomy in four children with biliary atresia, Pediatr Radiol 1989; **19:** 471
Ishii K; Takahashi S; Matsumoto K; et al: middle ear cholesteatoma extending into the petrous apex: evaluation by CT and MR imaging, AJNR 1991; **12:** 719
Ishii R See **Watanabe A**
Ishii T; Ando K; Koike S: biological effectiveness of fast neutrons on a murine osteosarcoma, Int J Radiat Oncol Biol Phys 1989; **16:** 693
Ishii Y See **Araki T**
Ishii Y See **Sakuma H**
Ishikawa K See **Shoji H**
Ishikawa N See **Satoh M**
Ishikawa N; Nakagawa S; Hirata K; et al: long-term follow-up hepatitis using computed tomography, JCAT 1989; **13:** 645
Ishikawa T See **Brandt D**
Ishikawa T; Nakajima Y; Kaji T: role of CT in traumatic rupture of the thoracic aorta and its proximal branches, Semin Roentgenol 1989; **24:** 38
Ishikura R See **Kadota T**
Ishimitsu Y; Arai K; Taira RK; et al: radiological laser film scanner sampling artifact, Comput Med Imag Graph 1990; **14:** 25
Ishimoto J See **Tamai H**
Ishimura J; Fukuchi M: bone SPECT and three-dimensional surface display with Tc-99m MDP in ameloblastoma, Clin Nucl Med 1990; **15:** 844
Ishimura J; Fukuchi M: clinical application of three-dimensional surface display in brain imaging with Tc-99m HMPAO, Clin Nucl Med 1991; **16:** 343
Ishimura J; Fukuchi M: marked uptake of Ga-67 citrate in a giant leiomyoma uteri, Clin Nucl Med 1991; **16:** 129
Ishimura J; Fukuchi M: rapid detection of a giant aneurysm of rignt sinus of Valsalva by radioisotopic angiography, Clin Nucl Med 1990; **15:** 732
Ishimura J; Fukuchi M: scintigraphic evaluation of secondary myelofibrosis associated with prostatic cancer before and after hormone therapy, Clin Nucl Med 1990; **15:** 330
Ishimura J; Kawanaka M; Fukuchi M: clinical application of SPECT in adrenal imaging with iodine-131 6*β*-iodomethyl-19-norcholesterol, Clin Nucl Med 1989; **14:** 278
Ishiwata K See **Hatano K**
Ishiwata K See **Hatazawa J**
Ishiwata K; Kubota K; Kubota R; et al: selective 2-[^{18}F]fluorodopa uptake for melanogenesis in murine metastatic melanomas, J Nucl Med 1991; **32:** 95
Ishizaka H See **Sato N**
Isikan E See **Sener RN**
Isikan UE See **Sener RN**
Isitman AT See **Hellman RS**
Isitman AT See **Kir KM**
Isitman AT See **Krasnow AZ**
Isitman AT See **Pochis WT**
Iskander MF; Tumeh AM; Furse CM: evaluation and optimization of the electromagnetic performance of interstitial antennas for hyperthermia, Int J Radiat Oncol Biol Phys 1990; **18:** 895
Isla A See **González-Ruiz CA**
Islak C See **Picard L**
Isler R See **Whitten C**
Ismael AH See **Ramani SK**
Isner JM: acute catastrophic complications of balloon aortic valvuloplasty, (ab), JVIR 1991; **2:** 413
Isner JM; Rosenfield K; Losordo DW; Kelly S; Palefski P; Langevin RE; Razvi S; Pastore JO; Kosowsky BD: percutaneous intravascular US as adjunct to catheter-based interventions: preliminary experience in patients with peripheral vascular disease, Radiology 1990; **175:** 61
Isobe H; Fukai T; Iwamoto H; et al: liver abscess complicating intratumoral ethanol injection therapy for HCC, (ab), JVIR 1991; **2:** 297
Isobe JH See **Allen B**
Isoda H See **Takehara Y**
Isomoto I See **Mori H**
Isono K See **Tohnosu N**
Isono M; Murata K; Ohta F; et al: high resolution computed tomography of auditory ossicles, Acta Radiol 1990; **31:** 27
Isorna S See **Castaneda F**
Israel O See **Front D**
Israel O See **Iosilevsky G**
Israel O; Front D; Epelbaum R; et al: residual mass and negative gallium scintigraphy in treated lymphoma, J Nucl Med 1990; **31:** 365
Israel O; Front D; Hardoff R; et al: in vivo SPECT quantitation of bone metabolism in hyperparathyroidism and thyrotoxicosis, J Nucl Med 1991; **32:** 1157
Israel O; Jerushalmi J; Ben-Haim S; et al: normal and abnormal Ga-67 SPECT anatomy in patients with lymphoma, Clin Nucl Med 1990; **15:** 334
Issa MM; Cox JL; Jeffrey RB; et al: diffuse infiltrating renal metastases presenting as pyonephrosis, JCAT 1991; **15:** 175
Issachar D See **Weininger J**
Issachar D; Abrashkin S; Weininger J; et al: osmium-191/iridium-191m generator based on silica gel impregnated with tridodecylmethylammonium chloride, J Nucl Med 1989; **30:** 538
Issakainen J See **Boesch C**
Itabashi K See **Ohgi K**
Itabashi M See **Brandt D**
Itagaki A; Uchida M; Ueki K; et al: double targets sign in ultrasonic diagnosis of intussuscepted Meckel diverticulum, Pediatr Radiol 1991; **21:** 148
Itai Y See **Furui S**
Itai Y See **Minami M**
Itai Y See **Ohtomo K**
Itai Y See **Yoshida H**
Itai Y; Teraoka T: angiosarcoma of the liver mimicking cavernous hemangioma on dynamic CT, JCAT 1989; **13:** 910
Itami J; Arimizu N; Miyoshi T; et al: radiation therapy in Kimura's disease, Acta Oncol 1989; **28:** 511

Itami J; Itami M; Mikata A; et al: non-Hodgkin's lymphoma *confined* to the nasal cavity: its relationship to the polymorphic reticulosis and results of radiation therapy, Int J Radiat Oncol Biol Phys 1991; **20:** 797
Itami M See **Itami J**
Itho K See **Kubo K**
Ito H; Kumagaya H; Shigematsu N; et al: high dose rate intracavitary brachytherapy for recurrent cervical cancer of the vaginal stump following hysterectomy, Int J Radiat Oncol Biol Phys 1991; **20:** 927
Ito K See **Tajima H**
Ito M See **Ito M**
Ito M; Hayashi K; Ito M: vertebral density distribution pattern: CT classification of patients undergoing maintenance hemodialysis, Radiology 1991; **180:** 253
Ito M; Hayashi K; Uetani M; et al: skeletal abnormalities in a case of congenital erythropoietic porphyria, Br J Radiol 1990; **63:** 891
Ito S See **Makrigiorgos GM**
Ito S: radiologic reporting system for computer-aided diagnosis with associated database: Hokkaido University Diagnostic Information Processing System—HDIPS, Acta Radiol 1991; **32:** 329
Ito S; Yamada Y; Tuboi S; et al: specific pattern of ruptured annulus fibrosus in lumbar degenerative spondylolisthesis, Neuroradiol 1990; **32:** 460
Ito T See **Asari S**
Ito Y; Kojiro M; Nakashima T; et al: pathomorphologic characteristics of 102 cases of Thorotrast-related hepatocellular carcinoma, cholangiocarcinoma, and hepatic angiosarcoma, (ab), Radiology 1989; **171:** 290
Itoh A See **Nishimura T**
Itoh H See **Itoh T**
Itoh H See **Murata K**
Itoh H See **Togashi K**
Itoh H; Kanamori M; Takahashi N: dissociation between In-111 chloride and Tc-99m colloid bone marrow scintigraphy in refractory anemia with excess blasts, Clin Nucl Med 1990; **15:** 124
Itoh H; Murase K; Hamamoto K: reflux sign in cholescintigraphy after administration of a gallbladder contracting agent, J Nucl Med 1989; **30:** 1192
Itoh K See **Kawamura H**
Itoh K See **Sagoh T**
Itoh K; Minami A; Sakuma T; et al: use of three-phase bone imaging in vascularized fibular and iliac bone grafts, Clin Nucl Med 1989; **14:** 494
Itoh K; Saini S; Hahn PF; et al: differentiation between small hepatic hemangiomas and metastases on MR images: importance of size-specific quantitative criteria, AJR 1990; **155:** 61
Itoh K; Shinohara M; Togashi M; et al: Captopril renal scintigraphy in a patient with bilateral renal artery stenosis, J Nucl Med 1989; **30:** 2042
Itoh M See **Hatazawa J**
Itoh M See **Niizawa M**
Itoh S See **Ueda D**
Itoh T See **Kobayashi H**
Itoh T See **Ohteki H**
Itoh T; Itoh H; Konishi J: lymphangitic liver metastasis: radiologic-pathologic correlations, JCAT 1991; **15:** 401
Itoh Y See **Inoue H**
Itoh Y See **Ishigaki T**
Itskovitz J; Boldes R; Levron J; et al: transvaginal ultrasonography in the diagnosis and treatment of infertility, JCU 1990; **18:** 248
Itskovitz J; Boldes R; Thaler I; et al: first trimester selective reduction in multiple pregnancy guided by transvaginal sonography, JCU 1990; **18:** 323
Itzchak Y See **Graif M**
Ivancev K See **Cwikiel W**
Ivancev K See **Hederström E**
Ivancev K See **Kan Z**
Ivancev K See **Lindberg C-G**
Ivancev K; Lunderquist A; Isaksson A; et al: clinical trials with a new iodinated lipid emulsion for computed tomography of the liver, Acta Radiol 1989; **30:** 449
Ivancev K; Lunderquist A; McCuskey P; et al: effect of intravenously injected iodinated lipid emulsions on the liver: an experimental study correlating computed tomography findings with in vivo microscopy and electron microscopy findings, Acta Radiol 1989; **30:** 291
Ivancev K; Lunderquist A; McCuskey R; et al: experimental investigation of a new iodinated lipid emulsion for computed tomography of the liver, Acta Radiol 1989; **30:** 407
Ivanov Z See **Baldas J**
Ivarsson SA; Ericsson U-B; Fredriksson B; et al: ultrasonic imaging in the differential diagnosis of diffuse thyroid disorders in children, (ab), Radiology 1990; **175:** 888
Iversen E See **Nielsen VAH**
Iversen HK See **Nielsen TH**
Iversen P; Bak M; Juul N; et al: ultrasonically guided ^{125}iodine seed implantation with external radiation in management of localized prostatic carcinoma, (ab), Radiology 1990; **175:** 589
Iversen P; Torp-Pedersen ST: screening for prostatic cancer: investigational models, Acta Oncol 1991; **30:** 281
Ivery G See **Nowakowski VA**
Ives NK See **Moorcraft J**
Ivory CM; Dubbins PA; Wells IP; et al: ultrasound assessment of local complications of percutaneous renal stone removal, JCU 1989; **17:** 345
Iwai A See **Ozono S**
Iwai S See **Ishigaki T**
Iwama T; Andoh T; Sakai N; et al: dissecting and fusiform aneurysms of vertebro-basilar systems: MR imaging, Neuroradiol 1990; **32:** 272
Iwama T; Kuroda T; Sugimoto S; et al: MRI demonstration of uncal herniation caused by arachnoid cyst in the Sylvian fissure, Neuroradiol 1991; **33:** 346
Iwami O; Kawamura J; Hashimoto S; et al: cerebral air embolism, AJNR 1990; **11:** 1166
Iwamori S See **Akiyama H**
Iwamoto H See **Isobe H**
Iwamoto T See **Lucas BC**
Iwanaga S See **Miyake H**
Iwanami S See **Sakurai K**
Iwanik DO See **Phatak MG**
Iwasaki H See **Kuribayashi S**
Iwasaki N See **Hamano K**
Iwasaki S See **Kichikawa K**
Iwasaki S See **Nakagawa H**
Iwasaki S See **Otsuji H**
Iwasaki S; Nakagawa H; Fukusumi A; Kichikawa K; Kitamura K; Otsuji H; Uchida H; Ohishi H; Yaguchi K; Sumie H; Kuru Y: identification of pre- and postcentral gyri on CT and MR images on the basis of the medullary pattern of cerebral white matter, Radiology 1991; **179:** 207
Iwasaki S; Nakagawa H; Kichikawa K; et al: MR and CT of tuberous sclerosis: linear abnormalities in the cerebral white matter, AJNR 1990; **11:** 1029
Iwasaki Y; Kinoshita M: subcortical lobar hematomas: clinico-computed tomographic correlations, Comput Med Imag Graph 1989; **13:** 195
Iwasaki Y; Kinoshita M; Ikeda K; et al: central nervous system magnetic resonance imaging findings in neuro-Behçet syndrome, Comput Med Imag Graph 1990; **14:** 85
Iwase T See **Sezai S**
Iwata H See **Taki W**
Iwata K See **Nakata K**
Iyer S See **Dorros G**
Iyer SB See **Fu KK**
Iyer SB; Goldberg HI; Benz CC: magnetic resonance imaging of implanted melanomas before and after chemotherapy: relation to ^{31}P magnetic resonance spectroscopy and tumor histology, Invest Radiol 1990; **25:** 1076
Izard ME See **Boniface GR**
Izquierdo LA See **Kushnir O**
Izumi R See **Matsui O**
Izuno I See **Kiyono K**
Izuno I See **Sone S**
Izuno I; Sone S; Oguchi M; et al: treatment of early vocal cord carcinoma with ^{60}Co gamma rays, 8/10 MV x-rays, or 4 MV x-rays—are the results different?, Acta Oncol 1990; **29:** 637

J

Jääskeläinen J See **Pelkonen P**
Jääskeläinen J See **Servo A**
Jääskeläinen J See **Takala JK**
Jabamoni R See **Posniak HV**
Jabola BR See **Ryoo MC**
Jabour BA See **Dresel SHJ**
Jabour BA See **Han MH**
Jabour BA; Dion JE; Lufkin R; et al: neurovascular lesions and endovascular therapy: the role of MR, Neuroradiol 1989; **31:** 341
Jabra AA; Fishman EK; Taylor GA: Crohn disease in the pediatric patient: CT evaluation, Radiology 1991; **179:** 495
Jack CR See **Brown DG**
Jack CR Jr: brain and cerebrospinal fluid volume: measurement with MR imaging, Radiology 1991; **178:** 22
Jack CR Jr; Bentley MD; Twomey CK; Zinsmeister AR: MR imaging-based volume measurements of the hippocampal formation and anterior temporal lobe: validation studies, Radiology 1990; **176:** 205
Jack CR Jr; Berquist TH; Miller GM; et al: field strength in neuro-MR imaging: a comparison of 0.5 T and 1.5 T, JCAT 1990; **14:** 505
Jack CR Jr; Kelly PJ: stereotactic third ventriculostomy: assessment of patency with MR imaging, AJNR 1989; **10:** 515
Jack CR Jr; Marsh WR; Hirschorn KA; Sharbrough FW; Cascino GD; Karwoski RA; Robb RA: EEG scalp electrode projection onto three-dimensional surface rendered images of the brain, Radiology 1990; **176:** 413
Jack CR Jr; Sharbrough FW; Twomey CK; Cascino GD; Hirschorn KA; Marsh WR; Zinsmeister AR; Scheithauer B: temporal lobe seizures: lateralization with MR volume measurements of the hippocampal formation, Radiology 1990; **175:** 423
Jack CR Jr; Twomey CK; Zinsmeister AR; Sharbrough FW; Petersen RC; Cascino GD: anterior temporal lobes and hippocampal formations: normative volumetric measurements from MR images in young adults, Radiology 1989; **172:** 549
Jackels SC See **Elster AD**
Jackler RK See **Chu FWK**
Jackler RK See **Tien RD**
Jackson A See **Gibbon WW**
Jackson A; Bisset R; Dickson AP: case report: malrotation and midgut volvulus presenting as malabsorption, Clin Radiol 1989; **40:** 536
Jackson A; Burton IE: retroperitoneal mass and spinal cord compression due to extramedullary haemopoieses in polycythaemia rubra vera, Br J Radiol 1989; **62:** 944
Jackson A; Fields JM; Wong-You-Chong JJ: costal hook: an indicator of occult flail segment in chest trauma, Eur J Radiol 1991; **13:** 69
Jackson A; Hardcastle MP; Shaw A; et al: reduction of ocular lens dosage in dacrocystography, Clin Radiol 1989; **40:** 615
Jackson A; Scarffe JH: upper humeral cortical thickness as an indicator of osteopenia: diagnostic significance in solitary myeloma of bone, Skeletal Radiol 1991; **20:** 363
Jackson CB See **Bailey DL**
Jackson DE See **Tien RD**
Jackson DE Jr See **Barkovich AJ**
Jackson DE Jr See **Gaensler EHL**
Jackson DE Jr; Atlas SW; Mani JR; Norman D: intraspinal synovial cysts: MR imaging, Radiology 1989; **170:** 527
Jackson DW See **Berger PE**
Jackson EF See **Narayana PA**
Jackson FI See **Cross P**
Jackson FI See **McEwan AJB**
Jackson FI See **Morrish DW**
Jackson FI See **Pohar SS**
Jackson FI: acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Radiology 1989; **173:** 580
Jackson FI: danger or opportunity ahead?, Radiology 1989; **171:** 581
Jackson FI: further simulator of a breast mass on a mammogram, Radiology 1989; **173:** 284
Jackson FI: Hippocrates has the last word, Radiology 1989; **171:** 878
Jackson FI: perceptions and obsolescence, Radiology 1991; **178:** 488
Jackson FI: whither radiology? whither radiology?, Radiology 1990; **174:** 894
Jackson FI; Lalani ZH: breast lymphoma: radiologic imaging and clinical appearances, J Canad Assoc Radiol 1991; **42:** 48
Jackson FI; Lalani ZH: ultrasound in the diagnosis of lymphoma: a review, JCU 1989; **17:** 145
Jackson FI; Terry TJ: percutaneous US needle localization of occult breast lesions, Radiology 1989; **171:** 286
Jackson FI; Woods JA: simulators of a breast mass on a mammogram, Radiology 1989; **171:** 877
Jackson G; Champness P; Sacharias N: cerebral venous malformations, Australas Radiol 1989; **33:** 132
Jackson GE; Wynchank S; Woudenberg M: gadolinium(III) complex equilibria: the implications for Gd(III) MRI contrast agents, Magn Res Med 1990; **16:** 57
Jackson GM See **Cohen AW**
Jackson GM; Forouzan I; Cohen AW: fetal well-being: nonimaging assessment and the biophysical profile, Semin Roentgenol 1991; **26:** 21
Jackson J See **McCarthy P**
Jackson J See **Yeung E**
Jackson J; Macovski A; Nishimura D: low-frequency restoration, Magn Res Med 1989; **11:** 248
Jackson JE See **Chilvers ER**
Jackson JE See **Hartnell GG**
Jackson JE; Allison DJ: case of the month: haemoptysis in a laundry worker, Br J Radiol 1989; **62:** 379
Jackson JE; O'Donnell CJ: case of the month: a real headache!, Br J Radiol 1989; **62:** 867
Jackson JE; Roddie ME; Chetty N; et al: management of occluded metallic self-expandable biliary endoprostheses, AJR 1991; **157:** 291

Jackson JE; Roddie ME; Yeung EYC; et al: biliary endoprosthesis dysfunction in patients with malignant hilar tumors: successful treatment by percutaneous replacement of the stent, AJR 1990; **155:** 391
Jackson JE; Yeung EYC; McCarthy P; et al: case report: lipiodol retention at the site of liver biopsy; a false positive result in the investigation of hepatocellular carcinoma, Clin Radiol 1989; **40:** 538
Jackson JG See **Mead GO**
Jackson M See **Truwit CL**
Jackson PC See **Halliwell M**
Jackson PR See **Carragher AM**
Jackson S See **Epstein JB**
Jackson S See **Woods ER**
Jackson SM; Fairey RN; Kornelsen RO; et al: clinical results in carcinoma of the cervix: radium compared to caesium using remote afterloading, Clin Radiol 1989; **40:** 302
Jackson VP See **Harris VJ**
Jackson VP See **Reynolds HE**
Jackson VP: breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, Radiology 1989; **170:** 578
Jackson VP: fibrocystic "disease": reply, Radiology 1989; **171:** 583
Jackson VP: role of US in breast imaging, Radiology 1990; **177:** 305
Jackson VP: sonography of malignant breast disease, Semin US CT MR 1989; **10:** 119
Jackson VP; Bassett LW: stereotactic fine-needle aspiration biopsy for nonpalpable breast lesions, AJR 1990; **154:** 1196
Jackson VP; Dines KA; Bassett LW; et al: diagnostic importance of the radiographic density of noncalcified breast masses: analysis of 91 lesions, AJR 1991; **157:** 25
Jackson VP; Harrill CD; White SJ; et al: evaluation of a dual-screen, dual-emulsion mammography system, AJR 1989; **152:** 483
Jackson VP; Reynolds HE: stereotaxic needle-core biopsy and fine-needle aspiration cytologic evaluation of nonpalpable breast lesions, Radiology 1991; **181:** 633
Jacky J; White CP: testing a 3-D radiation therapy planning program, Int J Radiat Oncol Biol Phys 1990; **18:** 253
Jacky JP; Kalet IJ: how to draw irregular radiation beams in 3-D treatment plans, Comput Med Imag Graph 1990; **14:** 97
Jacobi JD See **Wolpe FM**
Jacobs A; Delree M; Desprechins B; et al: consolidating the role of ^{131}I-MIBG-scintigraphy in childhood neuroblastoma: five years of clinical experience, Pediatr Radiol 1990; **20:** 157
Jacobs A; Lenoir P; Delree M; et al: unusual Tc-99m MDP and I-123 MIBG images in focal pyelonephritis, Clin Nucl Med 1990; **15:** 821
Jacobs C See **Deray G**
Jacobs HC See **Gladstone IM**
Jacobs IG See **Bis KG**
Jacobs IG See **Klein MA**
Jacobs IG; Roszler MH; Kelly JK; Klein MA; Kling GA: cocaine abuse: neurovascular complications, Radiology 1989; **170:** 223
Jacobs JE See **Sussman SK**
Jacobs JE; Sussman SK; Glickstein MF: renal lymphangiomyoma—a rare cause of a multiloculated renal mass, AJR 1989; **152:** 307
Jacobs JM See **Hutchins LG**
Jacobs JM See **Parker GD**
Jacobs JM See **Remley KB**
Jacobs JM: breast imaging, Radiology 1990; **176:** 316
Jacobs JM; Hill MC; Steinberg WM: peptic ulcer disease: CT evaluation, Radiology 1991; **178:** 745
Jacobs M See **Levenson MJ**
Jacobs MA; Hungerford DS; Krockow KA: intertrochanteric osteotomy for avascular necrosis of the femoral head, (ab), Radiology 1989; **173:** 590
Jacobs MA; Loeb PE; Hungerford DS: core decompression of the distal femur for avascular necrosis of the knee, (ab), Radiology 1990; **174:** 589
Jacobs MC; Eisenberger M; Oh MC; et al: carboplatin (CBDCA) and radiotherapy for stage IV carcinoma of the head and neck: a phase I-II study, Int J Radiat Oncol Biol Phys 1989; **17:** 361
Jacobs MP See **Ohashi K**
Jacobs T See **Segall GM**
Jacobsen A-B; Lunde S; Ous S; et al: T2/T3 bladder carcinomas treated with definitive radiotherapy with emphasis on flow cytometric DNA ploidy values, Int J Radiat Oncol Biol Phys 1989; **17:** 923
Jacobsen JP See **Nissen H**
Jacobsen M See **Aspestrand F**
Jacobsen MB See **Hanssen LE**
Jacobson AF See **Cerqueira MD**
Jacobson AF See **Madanay LD**
Jacobson AF: delayed positive gastrointestinal bleeding studies with technetium-99m-red blood cells: utility of a second injection, J Nucl Med 1991; **32:** 330
Jacobson AF: gallium-67 imaging in retroperitoneal fibrosis: significance of a negative result, J Nucl Med 1991; **32:** 521
Jacobson AF; Cerqueira MD; Breitz HB; et al: pleuroperitoneal communication associated with malignant ascites: a potential cause for new pleural effusion suggestive of pulmonary embolism, Clin Nucl Med 1990; **15:** 317
Jacobson AF; Cronin EB; Stomper PC; Kaplan WD: bone scans with one or two new abnormalities in cancer patients with no known metastases: frequency and serial scintigraphic behavior of benign and malignant lesions, Radiology 1990; **175:** 229
Jacobson AF; Marks MA; Kaplan WD: increased lung uptake on technetium-99m-sulfur colloid liver-spleen scans in patients with hepatic venoocclusive disease following bone marrow transplantation, J Nucl Med 1990; **31:** 372
Jacobson AF; Matsuoka DT; Ferency GF; et al: comparison of scintigraphic renal differentials using radiolabeled orthoiodohippurate and glucoheptonate, Clin Nucl Med 1991; **16:** 389
Jacobson AF; Stomper PC; Cronin EB; Kaplan WD: bone scans with one or two new abnormalities in cancer patients with no known metastases: reliability of interpretation of initial correlative radiographs, Radiology 1990; **174:** 503
Jacobson AF; Stomper PC; Jochelson MS; et al: association between number and sites of new bone scan abnormalities and presence of skeletal metastases in patients with breast cancer, J Nucl Med 1990; **31:** 387
Jacobson DR See **Foley WD**
Jacobson DR See **Wilson CR**
Jacobson FL See **Oldham SAA**
Jacobson HG See **Edeiken-Monroe B**
Jacobson HG See **Schultz E**
Jacobson KE See **Norwood LA**
Jacobsson B See **Brismar J**
Jacobsson B See **Hellström M**
Jacobsson B See **Narasimham DL**
Jacobsson B See **Swärd L**
Jacobsson B; Carlstrom A; Collins VP; et al: transthyretin in endocrine pancreatic tumors, (ab), Radiology 1989; **173:** 289
Jacobsson BF See **Brismar J**
Jacobsson H; Bergstedt HF: bone imaging of hyoid bone metastasis, Clin Nucl Med 1989; **14:** 136
Jacobsson H; Näslund I: reduced incidence of bone metastases in irradiated areas after external radiation therapy of prostatic carcinoma, Int J Radiat Oncol Biol Phys 1991; **20:** 1297
Jacobsson L See **Aronsson EF**
Jacoby RK See **Fry ME**
Jacoby WT; Cohan RH; Baker ME: ovarian vein thrombosis in oncology patients: CT detection and clinical significance, AJR 1990; **155:** 291
Jacomb-Hood J; Moseley IF: orbital fibrous histiocytoma: computed tomography in 10 cases and a review of radiological findings, Clin Radiol 1991; **43:** 117
Jacquemier J See **Kurtz JM**
Jacquenod P See **Chagnon S**
Jacquiaud C See **Deray G**
Jacubaschke U See **Creutzfeldt W**
Jadeja N See **Rosenfeld DL**
Jaeger HJ; Kruegener GH; MacFie J; Glaves I: stereotactic breast biopsy with a biopsy gun, Radiology 1991; **179:** 586
Jaeger P See **Ginalski JM**
Jaén J; Santos JA; Carrión JR; et al: severe small bowel radiation enteritis, Acta Oncol 1989; **28:** 717
Jaffe CC: hypermedia techniques for diagnostic imaging instruction: reply, Radiology 1989; **173:** 878
Jaffe CC; Lynch PJ; Smeulders AWM: hypermedia techniques for diagnostic imaging instruction: videodisk echocardiography encyclopedia, Radiology 1989; **171:** 475
Jaffe JW; Mesgarzadeh M; Bonakdarpour A; et al: case report 519, Skeletal Radiol 1989; **18:** 50
Jaffe N See **Eftekhari F**
Jaffe N See **Lockhart SK**
Jaffe N See **Pan G**
Jaffe RB See **Paulson EK**
Jaffe RB: introduction: sedation and imaging protocol, Semin US CT MR 1990; **11:** 181
Jaffe RB: magnetic resonance imaging of vascular rings, Semin US CT MR 1990; **11:** 206
Jaffe RB: radiographic manifestations of congenital anomalies of the aortic arch, Radiol Clin North Am 1991; **29:** 319
Jaffe RB; Arata JA Jr; Matlak ME: percutaneous drainage of traumatic pancreatic pseudocysts in children, AJR 1989; **152:** 591
Jaffe V; Sandin B; Wilkins RA: radiological definition of a new model of portal diversion in the rat, Br J Radiol 1990; **63:** 615
Jafri SZH See **Keeney G**
Jafri SZH See **St. Ville EW**
Jafri SZH; Bree RL; Madrazo BL; et al: sonography of large scrotal infections, JCU 1991; **19:** 413
Jafri SZH; Ellwood RA; Amendola MA; et al: therapeutic angioinfarction of renal carcinoma: CT follow-up, JCAT 1989; **13:** 443
Jafri SZH; Freeman JL; Rosenberg BF; et al: clinical and imaging features of rhabdoid tumor of the kidney, Urol Radiol 1991; **13:** 94
Jafri SZH; Roberts JL; Bree RL; Tabor HD: computed tomography of chest wall masses, Radiographics 1989; **9:** 51
Jagannath A See **Brill PW**
Jager GJ; Rijssen HV; Lamers JJH: subcutaneous emphysema of the lower extremity of abdominal origin, Gastrointest Radiol 1990; **15:** 253
Jäger HR See **Machan L**
Jäger HR; O'Donnell C; Sinha J: case of the month: digging for a diagnosis, Br J Radiol 1990; **63:** 143
Jäger R See **Adam A**
Jagjivan B; Nakielny RA: case report: salmonella aortitis and aneurysm formation: the role of CT in management, Clin Radiol 1990; **42:** 55
Jagust WJ See **Valk PE**
Jagust WJ; Reed BR; Seab JP; et al: Alzheimer's disease: age at onset and single-photon emission computed tomographic patterns of regional cerebral blood flow, (ab), Radiology 1991; **178:** 900
Jahan S See **Elgazzar AH**
Jahnke RW See **Segall HD**
Jahnke RW; Hart BL: cervical stenosis, spondylosis, and herniated disc disease, Radiol Clin North Am 1991; **29:** 777
Jahns MS See **Wright KC**
Jahoda MGJ See **Cohen-Overbeek TE**
Jaikishen P; Bateman JL; Shreeve WW: orbital pseudotumor imaged with Ga-67 citrate, Clin Nucl Med 1989; **14:** 838
Jaikishen P; Oster ZH; Atkins HL: scintigraphic pattern of renal angiomyolipoma, Clin Nucl Med 1990; **15:** 183
Jain AK See **Jena A**
Jain AK See **Kapoor R**
Jain AK See **Shiv VK**
Jain D; Crawley JC; Lahiri A; et al: indium-111-antimyosin images compared with triphenyl tetrazolium chloride staining in a patient six days after myocardial infarction, J Nucl Med 1990; **31:** 231
Jain KA; Jeffrey RB Jr: gonadal vein thrombosis in patients with acute gastrointestinal inflammation: diagnosis with CT, Radiology 1991; **180:** 111
Jain KA; Jeffrey RB Jr; Sommer FG: gynecologic vascular abnormalities: diagnosis with Doppler US, Radiology 1991; **178:** 549
Jain R See **Sawhney S**
Jain S See **Mohapatro AK**
Jain SK See **Rao VRK**
Jain SP; Fan PH; Philpot EF; et al: influence of various instrument settings on the flow information derived from the power mode, Ultrasound Med Biol 1991; **17:** 49
Jain VK See **Dwarkanath BS**
Jajodia P See **Narayan P**
Jakab P See **Mulkern RV**
Jakab PD See **Feinberg DA**
Jakobiec FA: granulocytic sarcoma, AJNR 1991; **12:** 263
Jakobsen A See **Bastholt L**
Jakobsen A See **Mogensen O**
Jakobsen JA; Berg KJ; Waaler A; et al: renal effects of the non-ionic contrast medium iopentol after intravenous injection in healthy volunteers, Acta Radiol 1990; **31:** 87
Jakobsen JA; Hagve TA; Holager T; et al: safety and toleration of the non-ionic contrast medium iopentol: an intravenous phase I trial, Eur J Radiol 1989; **9:** 203
Jakobsen JA; Kolbenstvedt AN; Berg KJ: renal effects of iopentol and iohexol after intravenous injection, (ab), Acta Radiol 1991; **32:** 320
Jakobsen JA; Kolbenstvedt AN; Levorstad K; et al: renal effects of nonionic contrast media after intravenous, cardiac, and lumbar aortic injections, Invest Radiol 1990; **25:** S135
Jakobsen KP See **Skovgaard N**
Jakobsson M See **Gröhn P**
Jakubowski A See **Ballon D**
Jakubowski AT See **Litvack F**
Jalowiec DA See **Feldman RL**
James AE Jr See **Park JH**
James AE Jr; Curran WJ; Pendergrass HP; et al: academic radiology, turf conflict and antitrust laws, Invest Radiol 1990; **25:** 200
James AE Jr; Mazer M; Linton O; et al: some legal considerations regarding issues of turf, Comput Med Imag Graph 1989; **13:** 429

James AE Jr; Partain CL; Heller RM; et al: can we administrate academics? preserving the biomedical research enterprise in medical imaging, Invest Radiol 1989; **24:** 815
James CM See **Jarvis L**
James EM See **Lewis BD**
James EM See **Quam JP**
James JM; Herman KJ; Lloyd JJ; et al: evaluation of $^{99}Tc^{m}$ Technegas ventilation scintigraphy in the diagnosis of pulmonary embolism, Br J Radiol 1991; **64:** 711
James ND; Apperley JF; Kam KC; et al: total lymphoid irradiation preceding bone marrow transplantation for chronic myeloid leukaemia, Clin Radiol 1989; **40:** 195
James P; Buirski G: M.R. imaging of the knee: a prospective trial using a low field strength magnet, Australas Radiol 1990; **34:** 59
James PNE; Chalmers AG; Fowler RC: case report: ultrasound demonstration of gas in hepatic veins, Clin Radiol 1989; **40:** 429
James R See **Horowitz BL**
James RH See **Stuckey JG**
James SL See **Davies RP**
James TL See **Tzika AA**
James TL See **Vigneron DB**
Jameson M See **Becker CD**
Jamieson DG; Greenberg JH: positron emission tomography of the brain, Comput Med Imag Graph 1989; **13:** 61
Jamieson R See **Palser R**
Jamieson SW See **Bonser RS**
Jamil Z See **Neville RF**
Jan GM See **Zargar SA**
Janeczek J See **Mustafa AA**
Janes NJ See **Wunderlich CC**
Jangland L; Axelsson B: niobium filters for dose reduction in pediatric radiology, Acta Radiol 1990; **31:** 540
Janicek M; Grassi CJ; Meyerovitz M; et al: atherosclerosis, peripheral arterial disease and the vascular response to ketanserin, Invest Radiol 1990; **25:** 495
Janicek MJ; Van den Abbeele AD; Hollenberg NK; et al: platelet activation and aggregation after endothelial injury: assessment with indium-111-labeled platelets and angiography, Invest Radiol 1990; **25:** 988
Janick PA See **Yousem DM**
Janigan DT See **Cooper M**
Jannetta PJ See **Pollack IF**
Janney C See **Heiberg E**
Jannoun L; Bloom HJG: long-term psychological effects in children treated for intracranial tumors, Int J Radiat Oncol Biol Phys 1990; **18:** 747
Janower ML: reactions to contrast materials during gastrointestinal studies, Radiology 1990; **177:** 287
Janowitz P See **Swobodnik W**
Janowitz P; Zöller A; Swobodnik W; et al: computed tomography evaluation of radiolucent gallstones in vivo, Gastrointest Radiol 1990; **15:** 58
Janowitz W See **Andreotti RF**
Jans AWH; Grunewald R-W; Kinne RKH: pathways for the synthesis of sorbitol from ^{13}C-labeled hexoses, pentose, and glycerol in renal papillary tissue, Magn Res Med 1989; **9:** 419
Jans AWH; Willem R: ^{13}C NMR study of the application of [U-^{13}C] succinate for metabolic investigations in rabbit renal proximal convoluted tubular cells, Magn Res Med 1990; **14:** 148
Jansen ED See **Verdaasdonk RM**
Jansen JBMJ See **Masclee AAM**
Jansen JBMJ See **Tjon A Tham RTO**
Janson H See **Malmström H**
Janson JA; Jones SN; Cotton PB: case report: 'anoddia', Clin Radiol 1991; **43:** 137
Janssen AGM; van Weeren FH; de Goeij JJM; et al: evaluation method for krypton-81m reservoir administration systems, J Nucl Med 1989; **30:** 650
Janssens AR See **Shaw PC**
Janssens J See **Urbain JLC**
Janssens W See **Goes E**
Jansson P See **Sorbe B**
Jansson S; Tisell L-E; Fjälling M; et al: early diagnosis of and surgical strategy for adrenal medullary diseae in MEN II gene carriers, (ab), Radiology 1989; **170:** 295
Jantarasami T; Larew M; Kao SCS; et al: ultrasound demonstration of nephrocalcinosis in William's syndrome, JCU 1989; **17:** 533
Jantsch H See **Lechner GL**
Jantsch H; Barton P; Függer R; et al: sonographic demonstration of septicaemia with gas-forming organisms after liver transplantation, Clin Radiol 1991; **43:** 397
Jantsch H; Lechner G; Wittich GR; Wunderlich M; Karnel F; Niederle B: dislocated Atkinson tubes: removal and repositioning with a balloon catheter, Radiology 1989; **170:** 885
Janunger KG See **Rutegård JN**
Janus C: gynecologic magnetic resonance imaging, Urol Radiol 1991; **13:** 29
Janus C; Wagner L: nabothian cysts stimulating an adnexal mass, Clin Imag 1989; **13:** 157
Janus CL See **Gendal ES**
Janus CL; Mendelson DS; Moore S; et al: staging of cervical carcinoma: accuracy of magnetic resonance imaging and computed tomography, Clin Imag 1989; **13:** 114
Janzen DL: residents' corner: answer to case of the month #5, J Canad Assoc Radiol 1991; **42:** 64
Jaques PF See **Dick L**
Jaques PF See **Robards JB**
Jaques PF See **Robertson LJ**
Jaquiss RDB See **Wheeler AP**
Jaramillo D See **Senéterre E**
Jaramillo D See **Umlas S-L**
Jaramillo D; Hoffer FA; Shapiro F; et al: MR imaging of fractures of the growth plate, AJR 1990; **155:** 1261
Jaramillo D; Laor T; Hoffer FA; Zaleske DJ; Cleveland RH; Buchbinder BR; Egglin TK: epiphyseal marrow in infancy: MR imaging, Radiology 1991; **180:** 809
Jaramillo D; Lebowitz RL; Hendren WH: cloacal malformation: radiologic findings and imaging recommendations, Radiology 1990; **177:** 441
Jaramillo D; Perez-Atayde A; Griscom NT: apparent association between thymic cysts and prior thoracotomy, Radiology 1989; **172:** 207
Jaramillo D; Perez-Atayde A; Teele RL: sonography of testicular microlithiasis, Urol Radiol 1989; **11:** 55
Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A: posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Radiology 1990; **175:** 767
Jardin M See **Vaksmann G**
Jarjour NN See **Mehta MP**
Jarlman O; Samuelsson L; Braw M: digital luminescence mammography: early clinical experience, Acta Radiol 1991; **32:** 110
Jarmolowski CR See **Wholey MH**
Jaroma H See **Farin PU**
Jarow JP See **Lopez JA**
Jarrett PJ See **Malko JA**
Jarvis JL See **Hunter TB**
Jarvis L; Cook PG; James CM; et al: duplex sonography in splenomegaly, Br J Radiol 1991; **64:** 485
Jarvis LJ; Dubbins PA: changes in the epididymis after vasectomy: sonographic findings, AJR 1989; **152:** 531
Jasani MK See **Cole PR**
Jaschke W; Sievers RS; Lipton MJ; et al: cine-computed tomographic assessment of regional renal blood flow, Acta Radiol 1990; **31:** 77
Jasinski A See **Hennel F**
Jaspan T See **Kerslake RW**
Jaspan T See **Rothwell CI**
Jaspan T See **Wilson FMA**
Jaspers R See **Kuijpers D**
Jasty M See **Maloney WJ**
Jaszczak RJ See **Gilland DR**
Jatlow AD See **Alavi A**
Jauch M See **Vogl G**
Jaudon M-C See **Deray G**
Jaulerry C See **Brunin F**
Jauniaux E; Avni FE; Donner C; et al: ultrasonographic diagnosis and morphological study of placenta circumvallate, JCU 1989; **17:** 126
Jauniaux E; Campbell S: antenatal diagnosis of placental infarcts by ultrasonography, JCU 1991; **19:** 58
Jauniaux E; Campbell S: fetal growth retardation with abnormal blood flows and placental sonographic lesions, JCU 1990; **18:** 210
Jauniaux E; Moscoso G; Chitty L; et al: angiomyxoma involving the whole length of the umbilical cord: prenatal diagnosis by ultrasonography, J Ultrasound Med 1990; **9:** 419
Javors BR See **Gould ES**
Javors BR; Gould ES: double anal canal: complication of rectal fecalith, Radiology 1991; **179:** 687
Javrik JG; Hesselink JR; Kennedy C; et al: acquired immunodeficiency syndrome: magnetic resonance patterns of brain involvement with pathologic correlation, (ab), Radiology 1989; **171:** 294
Jaward MA See **Millward SF**
Jayagopal S; Cohen HL; Bhagat J; et al: hyperechoic renal cortical masses: an unusual sonographic presentation of acute lymphoblastic leukemia in a child, JCU 1991; **19:** 425
Jayagopal S; Cohen HL; Brill PW; et al: calcified neonatal renal vein thrombosis demonstration by CT and US, Pediatr Radiol 1990; **20:** 160
Jayakrishnan A See **Rao VRK**
Jayaram G See **Prakash R**
Jayasundar R; Norwood TJ; Hall LD; et al: spectral editing techniques for ^{31}P NMR spectroscopy of blood, Magn Res Med 1989; **10:** 89
Jayson HT See **Athey PA**
Jayson HT See **Erdman WA**
Jayson HT See **Fleckenstein JL**
Jeandot R See **Brendel AJ**
Jeanmart L See **Peetrons P**
Jeans WD See **Morse MH**
Jeans WD See **Smithson PH**
Jeans WD: development and use of digital subtraction angiography, Br J Radiol 1990; **63:** 161
Jeans WD: technical success, clinical success, and patency in laser angioplasty, Radiology 1989; **173:** 572
Jeans WD; Armstrong S; Cole SEA; Horrocks M; Baird RN: fate of patients undergoing transluminal angioplasty for lower-limb ischemia, Radiology 1990; **177:** 559
Jeans WD; Blakeborough A; Loose HWC: fracturing and stretching of angioplasty balloon catheters under bending with tension, Br J Radiol 1991; **64:** 228
Jeans WD; Henson JHL; Holloway MA; et al: assessment of angioplasty balloon catheters: further studies, Br J Radiol 1989; **62:** 121
Jeans WD; Murphy P; Hughes AO; et al: randomized trial of laser-assisted passage through occluded femoro-popliteal arteries, Br J Radiol 1990; **63:** 19
Jeantils V See **Brauner M**
Jeanty P See **Romero R**
Jeanty P See **Thomas JG**
Jeanty P: atlas of color Doppler echocardiography, Radiology 1990; **175:** 86
Jeanty P: échographie abdominale (abdominal sonography). 3rd ed, Radiology 1990; **176:** 102
Jeanty P: endosonography, Radiology 1991; **178:** 386
Jeanty P: fetal and funicular vascular anomalies: identification with prenatal US, Radiology 1989; **173:** 367
Jeanty P: persistent right umbilical vein: an ominous prenatal finding?, Radiology 1990; **177:** 735
Jeanty P: practical echocardiography and Doppler, Radiology 1991; **178:** 192
Jeanty P: prenatal detection of simian crease, J Ultrasound Med 1990; **9:** 131
Jeanty P: textbook of color Doppler echocardiography, Radiology 1990; **175:** 638
Jeanty P; Johns R; Boehm F: uterine ring and fetal demise, J Ultrasound Med 1989; **8:** 635
Jeanty P; Kleinman G: proximal femoral focal deficiency, J Ultrasound Med 1989; **8:** 639
Jeanty P; Laucirica R; Luna SK: extra-amniotic pregnancy: a trip to the extraembryonic coelom, J Ultrasound Med 1990; **9:** 733
Jeanty P; Romero R; Kepple D; et al: prenatal diagnoses in unilateral empty renal fossa, J Ultrasound Med 1990; **9:** 651
Jeanty P; Shah D; Roussis P: single-needle insertion in twin amniocentesis, J Ultrasound Med 1990; **9:** 511
Jebson PJ See **Fleege MA**
Jederlinic PJ See **Smyrnios NA**
Jedrzejczak T; Ericson K; Bergstrand G; et al: blood as tracer for CSF circulation after subarachnoidal hemorrhage, Acta Radiol 1990; **31:** 545
Jeffery PJ; Monsein LH; Szabo Z; Hart J; Fisher RS; Lesser RP; Debrun GM; Gordon B; Wagner HN Jr; Camargo EE: mapping the distribution of amobarbital sodium in the intracarotid Wada test by use of Tc-99m HMPAO with SPECT, Radiology 1991; **178:** 847
Jeffrey RB See **Harwood-Nash DC**
Jeffrey RB See **Issa MM**
Jeffrey RB Jr See **Blankenberg F**
Jeffrey RB Jr See **Borushok KF**
Jeffrey RB Jr See **Gaensler EHL**
Jeffrey RB Jr See **Jain KA**
Jeffrey RB Jr See **Jordan J**
Jeffrey RB Jr See **Lim GM**
Jeffrey RB Jr See **Low RN**
Jeffrey RB Jr See **Rubin GD**
Jeffrey RB Jr See **Townsend RR**
Jeffrey RB Jr: bacterial renal infection: role of CT, Radiology 1989; **173:** 574
Jeffrey RB Jr: CT diagnosis of blunt hepatic and splenic injuries: a look to the future, Radiology 1989; **171:** 17
Jeffrey RB Jr: management of the periappendiceal inflammatory mass, Semin US CT MR 1989; **10:** 341
Jeffrey RB Jr: sonography in acute pancreatitis, Radiol Clin North Am 1989; **27:** 5
Jeffrey RB Jr; Cardoza JD; Olcott EW: detection of active intraabdominal arterial hemorrhage: value of dynamic contrast-enhanced CT, AJR 1991; **156:** 725

Jeffrey RB Jr; Megibow AJ: evaluation of right lower quadrant pain: ultrasound and CT, (ab), Radiology 1991; **180:** 883
Jeffries DO See Adler DD
Jeffries DO; Adler DD: mammographic detection of breast cancer in women under the age of 35, Invest Radiol 1990; **25:** 67
Jeffs RD See Gearhart JP
Jehenson P See de Kerviler E
Jehenson P See Morvan D
Jehenson P; Syrota A: correction of distortions due to the pulsed magnetic field gradient-induced shift in B_0 field by postprocessing, Magn Res Med 1989; **12:** 253
Jehenson PM: reducing doses of glucagon used in radiologic examinations, Radiology 1991; **179:** 286
Jelinek J See Ward FT
Jelinek J; Smirniotopoulos JG; Parisi JE; et al: lateral ventricular neoplasms of the brain: differential diagnosis based on clinical, CT, and MR findings, AJNR 1990; **11:** 567
Jelinek J; Smirniotopoulos JG; Parisi JE; et al: lateral ventricular neoplasms of the brain: differential diagnosis based on clinical, CT, and MR findings, AJR 1990; **155:** 365
Jelinek JS See Benedikt RA
Jelinek JS See Ho VB
Jelinek JS See Kransdorf MJ
Jelinek JS See Meglin AJ
Jelinek JS See Meyer CA
Jelinek JS See Utz JA
Jelinek JS See Whitaker MD
Jelinek JS; Kransdorf MJ; Moser RP; et al: MR imaging findings in patients with bone-chip allografts, AJR 1990; **155:** 1257
Jelinek JS; Kransdorf MJ; Utz JA; et al: imaging of pigmented villonodular synovitis with emphasis on MR imaging, AJR 1989; **152:** 337
Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN: small cell lung cancer: staging with MR imaging, Radiology 1990; **177:** 837
Jen Y-M; Hendry JH: acute response of mouse kidney clonogens to fractionated irradiation *in situ* and then assayed in primary culture, Br J Radiol 1991; **64:** 142
Jen Y-M; West CML; Hendry JH: lower radiosensitivity of mouse kidney cells irradiated *in vivo* than *in vitro*: a cell contact effect phenomenon, Int J Radiat Oncol Biol Phys 1991; **20:** 1243
Jena A See Gupta RK
Jena A; Banerji AK; Tripathi RP; et al: demonstration of intramedullary tuberculomas by magnetic resonance imaging: a report of two cases, Br J Radiol 1991; **64:** 555
Jena A; Tripathi RP; Jain AK: primary spinal echinococcosis causing paraplegia: case report with MR and pathologic correlation, AJNR 1991; **12:** 560
Jeneson JAL; Taylor JS; Vigneron DB; et al: ^{1}H MR imaging of anatomical compartments within the finger flexor muscles of the human forearm, Magn Res Med 1990; **15:** 491
Jeng LL See Kankam MK
Jenkin D; Berry M; Chan H; et al: pineal region germinomas in childhood treatment considerations, Int J Radiat Oncol Biol Phys 1990; **18:** 541
Jenkin D; Goddard K; Armstrong D; et al: posterior fossa medulloblastoma in childhood: treatment results and a proposal for a new staging system, Int J Radiat Oncol Biol Phys 1990; **19:** 265
Jenkins AD See Barr JD
Jenkins BG; Armstrong E; Lauffer RB: site-specific water proton relaxation enhancement of iron(III) chelates noncovalently bound to human serum albumin, Magn Res Med 1991; **17:** 164
Jenkins D See Halliwell M
Jenkins JJ III See Magill HL
Jenkins JPR See Hawnaur JM
Jenkins JPR See Johnson RJ
Jenkins JPR See Mitchell L
Jenkins M See Bhalla M
Jenkins PF See Udwadia ZF
Jenkins RL See Finn JP
Jenkins RL See Stone MD
Jenkinson T See Hornsey S
Jennerholm S; Backman U; Bohman S-O; et al: magnetic resonance imaging of the transplanted kidney: correlation to function and histopathology, Acta Radiol 1990; **31:** 499
Jennett B See MacPherson BCM
Jennett B See MacPherson P
Jennett B; MacPherson P: implications of scanning recently head injured patients in general hospitals, Clin Radiol 1990; **42:** 88
Jennette JC See Cuttino JT Jr
Jennings CM See Belli AM
Jennis R See Rafal RB
Jenny HB See von Schulthess GK
Jensen C See Geijer M
Jensen DA See Smith DC
Jensen DB; Johansen TP; Bjerg-Nielsen A; et al: magnetic resonance imaging in the evaluation of sequelae after tibial plateau fractures, Skeletal Radiol 1990; **19:** 127
Jensen ER See Skovgaard N
Jensen JL See McDonald RJ
Jensen KE; Nielsen H; Thomsen C; et al: in vivo measurements of the T1 relaxation processes in the bone marrow in patients with myelodysplastic syndrome: a magnetic resonance imaging study, Acta Radiol 1989; **30:** 365
Jensen KE; Sørensen PG; Thomsen C; et al: magnetic resonance imaging of the bone marrow in patients with acute leukemia during and after chemotherapy: changes in T1 relaxation, Acta Radiol 1990; **31:** 361
Jensen KE; Sørensen PG; Thomsen C; et al: prolonged T1 relaxation of the hemopoietic bone marrow in patients with chronic leukemia, Acta Radiol 1990; **31:** 445
Jensen KE; Thomsen C; Henriksen O; et al: changes in T_1 relaxation processes in the bone marrow following treatment in children with acute lymphoblastic leukemia: a magnetic resonance imaging study, Pediatr Radiol 1990; **20:** 464
Jensen KM See Henriksen O
Jensen M See Madsen JL
Jensen MC See Ralls PW
Jensen MC; Lee KP; Halls JM; et al: color Doppler sonography in testicular torsion, JCU 1990; **18:** 446
Jensen ME See Hayes CW
Jensen ME See Laine FJ
Jensen ME; Hayes CW; DeBlois GG; et al: hemispherical spondyloscleriosis: MR appearance, JCAT 1989; **13:** 540
Jensen ME; Sawyer RW; Braun IF; Rizzo WB: MR imaging appearance of childhood adrenoleukodystrophy with auditory, visual, and motor pathway involvement, Radiographics 1990; **10:** 53
Jensen PR; Øwre A; Ahlgren P: reaction to contrast media in contrast-enhanced CT of the brain: a comparative investigation of non-ionic Ultravist and ionic Urografin-meglumin, Eur J Radiol 1989; **9:** 144
Jensen RA; Page DL; DuPont WD; et al: invasive breast cancer risk in women with sclerosing adenosis, (ab), Radiology 1990; **175:** 290
Jensen RT See Doppman JL
Jensen RT See Frucht H
Jensen RT See London JF
Jensen SP; Richardson ML; Conrad EU; et al: case report 608, Skeletal Radiol 1990; **19:** 233
Jensik SC See Matalon TAS
Jenyo MS; Nzeh DA: familial subluxation of the metacarpophalangeal and proximal interphalangeal joints of the little finger in two consecutive siblings: the "serpentine little finger", Pediatr Radiol 1990; **20:** 610
Jeong HJ See Choe KO
Jeppsson B See Persson BG
Jepsen SB See Nielsen PH
Jepsen SJ See Miller A
Jepsen SJ See Pomposelli FB Jr
Jequier J-C See Jequier S
Jéquier S See Burns PN
Jequier S See Cote G
Jequier S See Sanders LD
Jequier S; Jequier J-C: reliability of voiding cystourethrography to detect reflux, AJR 1989; **153:** 807
Jequier S; Kaplan BS: echogenic renal pyramids in children, JCU 1991; **19:** 85
Jequier S; Paltiel H; Lafortune M: ureterovesical jets in infants and children: duplex and color Doppler US studies, Radiology 1990; **175:** 349
Jequier S; Rousseau O: sonographic detection of fluid in the cul-de-sac in children—a normal finding?, J Canad Assoc Radiol 1989; **40:** 266
Jeremy RW See Links JM
Jerjian KA See Thickman D
Jerome H See Berthezene Y
Jerosch-Herold M See Wedeen VJ
Jerushalmi J See Front D
Jerushalmi J See Israel O
Jerushalmi J See Sujov P
Jesmanowicz A See Erickson SJ
Jesmanowicz A See Grist TM
Jesmanowicz A See Hyde JS
Jesmanowicz A See Wong EC
Jesmanowicz A; Hyde JS; Froncisz W; et al: noise correlation, Magn Res Med 1991; **20:** 36
Jewell ER See Straton CS
Jewell WR See Krishnan L
Jewett MAS See Gray RR
Jhingran SG See Hayman LA
Ji H See Yang XM
Jiang G-L See Schultheiss TE
Jiang J See Li C
Jiang SZ See Roszinski S
Jiang T; Merickel MB: identification and boundary extraction of blobs in complex imagery, Comput Med Imag Graph 1989; **13:** 369
Jiang Y; Wang Y; Zhao J; et al: bone remodeling in hypervitaminosis D3: radiologic–microangiographic–pathologic correlations, Invest Radiol 1991; **26:** 213
Jiang Y; Wang Y; Zhao J; et al: metastatic calcification within bone: the main course of osteosclerosis in hypervitaminosis D3: radiologic-pathologic correlation, Invest Radiol 1990; **25:** 1188
Jimenez J See Pulpeiro JR
Jimenez JA See Salvador R
Jiménez P See Torres A
Jimenez-Heffernan A; Pineda-Albornoz A; Maranon-Lopez J; et al: mediastinal uptake of Tc-99m pertechnetate in a thymona, Clin Nucl Med 1989; **14:** 375
Jimeno J See Calero F
Jin YT See Liu BL
Jing B-S See Van Tassel P
Jing B-S: diagnostic imaging of abdominal and pelvic lymph nodes in lymphoma, Radiol Clin North Am 1990; **28:** 801
Jinkins JR See Ahmadi H
Jinkins JR See Dadsetan MR
Jinkins JR See Desai SP
Jinkins JR See Sener RN
Jinkins JR See Whittemore AR
Jinkins JR: bilateral aberrant jugular bulbs, Neuroradiol 1990; **32:** 344
Jinkins JR: clinical manifestations of hydrocephalus caused by impingement of the corpus callosum on the falx: an MR study in 40 patients, AJNR 1991; **12:** 331
Jinkins JR: computed tomography of intracranial tuberculosis, Neuroradiol 1991; **33:** 126
Jinkins JR; Whittemore AR; Bradley WG: anatomic basis of vertebrogenic pain and the autonomic syndrome associated with lumbar disk extrusion, AJNR 1989; **10:** 219
Jinkins JR; Whittemore AR; Bradley WG: MR imaging of callosal and corticocallosal dysgenesis, AJNR 1989; **10:** 339
Jinnah RH See Clarke HJ
Jinnouchi S See Nagamachi S
Jinnouchi S See Nakano S
Jinnouchi S See Ohnishi T
Ji-Rong S; Yu S; Shen-Ru L; et al: establishment, characteristics, and utilization of a new *in vivo-in vitro* system, Int J Radiat Oncol Biol Phys 1989; **16:** 353
Jivegård L; Holm J; Bergqvist D; et al: acute lower-limb ischemia: failure of anticoagulant treatment to improve 1-month results of arterial thromboembolectomy. a prospective randomized multicenter study, (ab), JVIR 1991; **2:** 413
Jo S; Hiraoka M; Akuta K; et al: histopathological changes of human tumors following thermoradiotherapy, Int J Radiat Oncol Biol Phys 1989; **17:** 1265
Joanes F See Millward S
Job-Deslandre C See Goupille P
Jobe WE See Parker SH
Jobling T See Moskovic E
Jochelson MS See Herman TS
Jochelson MS See Jacobson AF
Jochelson MS: treated thorax, Radiol Clin North Am 1990; **28:** 763
Jodaitis A See Bauduin E
Jodal U See Hanson S
Joehl RJ See Werbel GB
Joel DD See Schlessel JS
Joensuu H See Nordman E
Joensuu H: DNA flow cytometry in the prediction of survival and response to radiotherapy in head and neck cancer: a review, Acta Oncol 1990; **29:** 513
Joersbo M; Brunstedt J: protein synthesis stimulated in sonicated sugar beet cells and protoplasts, Ultrasound Med Biol 1990; **16:** 719
Joffe SN; Tajiri H; Oguro Y; et al: laserthermia: new method of interstitial local hyperthermia using the contact Nd:YAG laser, Radiol Clin North Am 1989; **27:** 611
Joffre F See Raillat C
Joffre FG See Rousseau HP
Johannik K See Demaerel P
Johannik K See Van Hecke P
Johansen H See Groth S
Johansen H See Overgaard M
Johansen H; Kaae S; Schiødt T: simple mastectomy with postoperative irradiation versus extended radical mastectomy in breast cancer: a twenty-five-year follow-up of a randomized trial, Acta Oncol 1990; **29:** 709
Johansen J; Christensen P-H; Jørgensen K; et al: epidermoid carcinoma of the pharnyx: therapeutic results in a series of 221 patients, Acta Oncol 1991; **30:** 33

Johansen K; Woodhouse NJY; Odugbesan O: comparison of 1073 MBq and 3700 MBq iodine-131 in postoperative ablation of residual thyroid tissue in patients with differentiated thyroid cancer, J Nucl Med 1991; **32:** 252
Johansen KH See **Coldwell DM**
Johansen LV See **Bentzen SM**
Johansen LV; Overgaard J; Hjelm-Hansen M; et al: primary radiotherapy of T1 squamous cell carcinoma of the larynx: analysis of 478 patients treated from 1963 to 1985, Int J Radiat Oncol Biol Phys 1990; **18:** 1307
Johansen TP See **Jensen DB**
Johanson JF; Sonnenberg A: efficient management of diarrhea in the acquired immunodeficiency syndrome (AIDS): a medical decision analysis, (ab), Radiology 1990; **177:** 889
Johanson KJ See **Ludwików G**
Johanson KJ See **Sundell-Bergman S**
Johansson B See **Zackrisson B**
Johansson H See **Åkerström G**
Johansson H See **Lindh J**
Johansson J-E See **Odelberg-Johnson O**
Johansson JE; Adami H-O; Andersson SO; et al: natural history of localised prostatic cancer: a population-based study in 223 untreated patients, (ab), Radiology 1989; **173:** 884
Johansson J-E; Andersson S-O: deferred treatment in localized prostatic cancer, Acta Oncol 1991; **30:** 221
Johansson K-E See **Fransson S-G**
Johansson R See **Kellokumpu-Lehtinen P**
Johansson SL See **Trabucco AF**
Johansson T See **Nilsson J**
Johansson T; Nilsson J; Holmer N-G; et al: ink jet printing of digital radiographs, Acta Radiol 1990; **31:** 108
Johansson U See **Fernö M**
Joharjy IA See **El-Desouki M**
Joharjy IA; Mustafa MA; Zaidi AJ: fluid-aided sonography of the stomach and duodenum in the diagnosis of peptic ulcer disease in adult patients, J Ultrasound Med 1990; **9:** 77
Johlin FC; Loening SA; Maher JW; et al: electrohydraulic shock wave lithotripsy (ESWL) fragmentation of retained common duct stones, (ab), Radiology 1989; **171:** 585
John MJ See **Pilepich MV**
John PR; Beasley SW; Mayne V: pulmonary sequestration and related congenital disorders: a clinico-radiological review of 41 cases, Pediatr Radiol 1989; **20:** 4
John PR; Boldt D: bilateral congenital lacrimal sac mucoceles with nasal extension, Pediatr Radiol 1990; **20:** 285
Johnke RM; Loven DP; Abernathy RS; et al: marrow antioxidant enzyme activity in tumor-bearing and non-tumor-bearing mice following vincristine treatment, Int J Radiat Oncol Biol Phys 1991; **20:** 369
Johns CM; Sumkin JH: US-guided venipuncture for venography in the edematous leg, Radiology 1991; **180:** 573
Johns JC Jr See **Yakes WF**
Johns ME See **Epstein BE**
Johns R See **Jeanty P**
Johns WD; Garnick MB; Kaplan WD: leuprolide therapy for prostate cancer: an association with scintigraphic "flare" on bone scan, Clin Nucl Med 1990; **15:** 485
Johnsen A See **Boesen J**
Johnsen AH See **Dalmark M**
Johnsen DE; Coleman LL; Poe L: MR of progressive neurodegenerative change in treated Menkes' kinky hair disease, Neuroradiol 1991; **33:** 181
Johnsen DE; Woodruff WW; Allen IS; Cera PJ; Funkhouser GR; Coleman LL: MR imaging of the sellar and juxtasellar regions, Radiographics 1991; **11:** 727
Johnsen SD See **Williams KD**
Johnson A See **Jaramillo D**
Johnson AC Jr See **Maglinte DDT**
Johnson AE See **Cheung CWD**
Johnson AJ See **Staewen RS**
Johnson BD See **Smith WL**
Johnson C See **Sze G**
Johnson CD See **Binkovitz LA**
Johnson CD See **Dudiak KM**
Johnson CD See **Holsinger-Bampton AE**
Johnson CD See **Smerud MJ**
Johnson CD See **Welch TJ**
Johnson CD: CT evaluation of wall thickening in the alimentary tract: invited commentary, Radiographics 1991; **11:** 784
Johnson CD; Ehman RL; Rakela J; et al: MR angiography in portal hypertension: detection of varices and imaging techniques, JCAT 1991; **15:** 578
Johnson CD; Stephens DH; Sarr MG: CT of acute pancreatitis: correlation between lack of contrast enhancement and pancreatic necrosis, AJR 1991; **156:** 93
Johnson CE See **Sze G**
Johnson CE; Russell EJ; Huckman MS: resolution of spinal epidural vascular pseudotumor following balloon occlusion of a postoperative vertebral arteriovenous fistula, Neuroradiol 1990; **31:** 529
Johnson CE; Sze G: benign lumbar arachnoiditis: MR imaging with gadopentetate dimeglumine, AJNR 1990; **11:** 763
Johnson CE; Sze G: benign lumbar arachnoiditis: MR imaging with gadopentetate dimeglumine, AJR 1990; **155:** 873
Johnson CM See **Welch TJ**
Johnson CR See **Schmidt-Ullrich RK**
Johnson D See **Adzamli IK**
Johnson DA See **Drane WE**
Johnson DE: directional peripheral atherectomy: histopathologic aspects of a new interventional technique, JVIR 1990; **1:** 29
Johnson DK See **Carney PL**
Johnson DW See **Eelkema E**
Johnson DW See **Pistoia F**
Johnson DW See **Tarr RW**
Johnson DW; Stringer WA; Marks MP; et al: stable xenon CT cerebral blood flow imaging: rationale for and role in clinical decision making, AJNR 1991; **12:** 201
Johnson FG See **Traughber PD**
Johnson G See **Miller DH**
Johnson GA See **Chotas HG**
Johnson GA See **Dockery SE**
Johnson GA See **Farmer THR**
Johnson GA See **MacFall JR**
Johnson GA See **Maki JH**
Johnson GA See **Malisch TW**
Johnson GA See **Stern RL**
Johnson GA See **Suddarth SA**
Johnson GA; Maki JH: in vivo measurement of proton diffusion in the presence of coherent motion, Invest Radiol 1991; **26:** 540
Johnson GW See **Shattuck DP**
Johnson I See **Lam A**
Johnson JC; Coleman LL: magnetic resonance imaging of a lingual thyroid gland, Pediatr Radiol 1989; **19:** 461
Johnson JC; Deeb ZL: coaxial needle technique for lumbar puncture in the morbidly obese patient, Radiology 1991; **179:** 874
Johnson JE See **Anders GT**
Johnson JE See **Carmody RF**
Johnson JE See **Erickson SJ**
Johnson JF See **Hedlund GL**
Johnson JF See **Maves CK**
Johnson JF See **Renner WR**
Johnson JF See **Shiels WE II**
Johnson JF; Coughlin WF: plain film diagnosis of appendiceal perforation in children, Semin US CT MR 1989; **10:** 306
Johnson JF; Woisard KK: ileocolic intussusception: new sign on the supine cross-table lateral radiograph, Radiology 1989; **170:** 483
Johnson JO; Mattrey RF; Phillipson J: differentiation of seminomatous from nonseminomatous testicular tumors with MR imaging, AJR 1990; **154:** 539
Johnson JR See **Kerr TM**
Johnson JT: surgeon looks at cervical lymph nodes, Radiology 1990; **175:** 607
Johnson KA See **Holman BL**
Johnson KA; Holman BL; Rosen TJ; et al: iofetamine I 123 single photon emission computed tomography is accurate in the diagnosis of Alzheimer's disease, (ab), Radiology 1990; **177:** 295
Johnson KK; Russ PD; Bair JH; et al: diagnosis of synthetic vascular graft infection: comparison of CT and gallium scans, AJR 1990; **154:** 405
Johnson LL See **Seldin DW**
Johnson LL: clinical experience with technetium 99m teboroxime, Semin Nucl Med 1991; **21:** 182
Johnson LL; Seldin DW: role of antimyosin antibodies in acute myocardial infarction, Semin Nucl Med 1989; **19:** 238
Johnson M; Selinsky B; Davis M; et al: in vitro NMR evaluation of human thyroid lesions, Invest Radiol 1989; **24:** 666
Johnson MB See **Radin DR**
Johnson MB See **Ralls PW**
Johnson MB See **Rice S**
Johnson MB See **Sie A**
Johnson MB See **Sullivan RR**
Johnson MB See **Suminski N**
Johnson MD See **Vincent GM**
Johnson MS See **Cooper RA**
Johnson ND See **Marshall JL**
Johnson ND; Wood BP; Noh KS; et al: MR imaging anatomy of the infant hip, AJR 1989; **153:** 127
Johnson P See **Repa I**
Johnson PC; Hunt SJ; Drayer BP: human cerebral gliomas: correlation of postmortem MR imaging and neuropathologic findings, Radiology 1989; **170:** 211
Johnson PJ See **Woodring JH**
Johnson R See **Day DL**
Johnson RA See **Rijke AM**
Johnson RG Jr See **Blum H**
Johnson RJ See **Carrington BM**
Johnson RJ See **Russell SA**
Johnson RJ See **Taylor PM**
Johnson RJ See **Zammit-Maempel I**
Johnson RJ; Carrington BM; Jenkins JPR; et al: accuracy in staging carcinoma of the bladder by magnetic resonance imaging, Clin Radiol 1990; **41:** 258
Johnson RL See **Finberg HJ**
Johnson RL See **Handy JE**
Johnson RR See **Keats TE**
Johnson RT See **Day DL**
Johnson TK See **Kuni CC**
Johnson TK See **Lear JL**
Johnson TK See **Sirr SA**
Johnson TR See **Hoener B-a**
Johnson W See **Ophir J**
Johnson WC See **Samaraweera RN**
Johnsrude I See **Hunter DW**
Johnsrude IS See **Gaylord GM**
Johnston CC Jr See **Melton LJ III**
Johnston DL; Mulvagh SL; Cashion RW; et al: nuclear magnetic resonance imaging of acute myocardial infarction within 24 hours of chest pain onset, (ab), Radiology 1990; **174:** 901
Johnston G See **Hoff B**
Johnston GH See **Friedman L**
Johnston GS See **Albin RJ**
Johnston JA; Clee CZ: analysis of 308 localisation breast biopsies in a New Zealand hospital, Australas Radiol 1991; **35:** 148
Johnston JM; Carrasco CH; Richli WR; Marsh LM: open-floored concave compensating filter for angiography, Radiology 1991; **178:** 578
Johnston KW See **Law YF**
Johnston MR: selection and surgical treatment options in carcinoma of the lung, Semin Roentgenol 1990; **25:** 112
Johnston WW See **Perlmutt LM**
Johnstone D See **Checkley D**
Johnstone FD See **Hoskins PR**
Johs S See **Klein S**
Joiner B See **Stevens GN**
Joiner MC See **Stevens GN**
Jojas KA See **Khan A**
Jokich PM See **Dowlatshahi K**
Jokisaari J See **Eskelinen S**
Jokl P See **Dillon EH**
Jokl P See **Kornick J**
Jolesz F See **Schick RM**
Jolesz FA See **Adzamli IK**
Jolesz FA See **Melki PS**
Jolesz FA See **Zamaroczy D**
Jolesz FA; Moore GJ; Mulkern RV; et al: response to and control of destructive energy by magnetic resonance, Invest Radiol 1989; **24:** 1024
Jolie E See **Casselman JW**
Joliot M; Mazoyer BM; Huesman RH: *in vivo* NMR spectral parameter estimation: a comparison between time and frequency domain methods, Magn Res Med 1991; **18:** 358
Jolivet O See **Bittoun J**
Jolles H See **Fulcher AS**
Jolles H See **Henry DA**
Jolles H See **Nugent KM**
Jolles H; Mosley PL; Peterson MW: nodular pulmonary opacities in patients with rheumatoid arthritis: a diagnostic dilemma, (ab), Radiology 1990; **175:** 588
Jolles PR See **Tanna NK**
Jolles PR; Chapman PR; Alavi A: PET, CT, and MRI in the evaluation of neuropsychiatric disorders: current applications, J Nucl Med 1989; **30:** 1589
Jonas AM See **Friedman PJ**
Jonasson JG See **Hrafnkelsson J**
Jones A See **Blethyn J**
Jones A See **Cobby M**
Jones B See **Fishman EK**
Jones B See **Merine DS**
Jones B See **Suleiman OH**
Jones B See **Trerotola SO**
Jones B See **Trinh TD**
Jones B See **Urban BA**
Jones B; Fishman EK: CT of the gut in the immunocompromised host, Radiol Clin North Am 1989; **27:** 763
Jones BE See **Gaston BM**
Jones BT See **Fink JA**
Jones C See **Maginot TJ**
Jones CH: source localizing technique for the microSelectron-HDR afterloading system, Br J Radiol 1989; **62:** 69
Jones D; Andre P; Washington JT; et al: method for the assessment of the output of irregularly shaped electron fields, Br J Radiol 1990; **63:** 59
Jones D; Armstrong J; Hafermann MD: port film marker, Int J Radiat Oncol Biol Phys 1989; **17:** 225
Jones D; Taylor E; Travaglini J; et al: non-contacting intraoperative electron cone apparatus, Int J Radiat Oncol Biol Phys 1989; **16:** 1643
Jones DB See **Poster RB**
Jones DH See **Ashby MA**
Jones DJ; Wickham JEA; Kellett MJ: percutaneous nephrolithotomy for calculi in horseshoe kidneys, (ab), JVIR 1991; **2:** 421
Jones DK See **Toye R**
Jones DL See **Teitelbaum GP**
Jones DN; Knox AM; Sage MR: traumatic avulsion fracture of the occipital condyles and clivus with associated unilateral atlantooccipital distraction, AJNR 1990; **11:** 1181

Jones DN; Marion M: polyostotic fibrous dysplasia as a mimic of bony metastatic disease, Clin Nucl Med 1991; **16:** 55
Jones DR; Griffiths GJ; Parkinson MC; et al: correlation of histopathological, microradiographic and ultrasonographic features in disease of the prostate gland, Br J Radiol 1989; **62:** 1059
Jones EC See Ajzen SA
Jones EC See Nelson RC
Jones FA; Wiedemann HP; O'Donovan PB; et al: computerized tomographic densitometry of the solitary pulmonary nodule using a nodule phantom, (ab), Radiology 1990; **175:** 588
Jones HH: from the watching of shadows: the origins of radiological tomography, Radiology 1991; **180:** 706
Jones HH: radiologist's first reader, Radiology 1989; **171:** 318
Jones HH: second computer revolution: visualization, Radiology 1990; **176:** 388
Jones HL See Slabbert JP
Jones HM See Lutz JD
Jones HW III See Fleischer AC
Jones JA See Don S
Jones JD See Bakris GL
Jones JG; Habermann ET; Dorfman HD: case report 553, Skeletal Radiol 1989; **18:** 537
Jones JM; Ribeiro GG: mortality patterns over 34 years of breast cancer patients in a clinical trial of post-operative radiotherapy, Clin Radiol 1989; **40:** 204
Jones JP See Fraser RG
Jones JP See Kimme-Smith C
Jones JS See Martin B
Jones KG See Pilepich MV
Jones KL See Hoyme HE
Jones KM; Hunter TB; Boren WL: computer use and education in radiology residency programs, Invest Radiol 1990; **25:** 596
Jones LC See Cova M
Jones M See Abrahams TG
Jones MD See Mowji PJ
Jones ME See DePuey EG
Jones MK See Thurmond AS
Jones MT See Torres WE
Jones NR See Parker GD
Jones R: case report: loosening of total knee prosthesis demonstrated by digital subtraction arthrography, Australas Radiol 1990; **34:** 271
Jones RA See Metcalfe MJ
Jones RA; Metcalfe MJ; Redpath TW; et al: low-field cine magnetic resonance imaging, Br J Radiol 1990; **63:** 65
Jones RA; Southon TE: magnetization transfer preparation scheme for snapshot FLASH imaging, Magn Res Med 1991; **19:** 483
Jones RD; Clarkson DG; Symonds RP; et al: iridium-192 applicator for the treatment of stomal recurrence following tracheostomy for subglottic carcinoma, Br J Radiol 1991; **64:** 270
Jones RH See Borges-Neto S
Jones RJ See Fishman EK
Jones SA; Giddens DP: simulation of transit time effects in Doppler ultrasound signals, Ultrasound Med Biol 1990; **16:** 607
Jones SM See Teicher BA
Jones SN See Chisholm RA
Jones SN See Janson JA
Jones SN See Rickards D
Jones SN; Lees WR; Garber S; et al: non-operative management of gallstones—a preliminary review, Clin Radiol 1989; **40:** 591
Jones SN; Lees WR; Russell RCG: preoperative ultrasound assessment of choledochal cysts: report of three cases, Acta Radiol 1989; **30:** 35
Jones SN; McNeil NI; Lees WR: interpretation of retrograde pancreatography in the elderly, Clin Radiol 1989; **40:** 393
Jones TJ See Singer KP
Jones WG See Carey BM
Jonson R; Börjesson J; Mattsson S; et al: uptake and retention of platinum in patients undergoing cisplatin therapy, Acta Oncol 1991; **30:** 315
Jönsson C See Svahn-Tapper G
Jonsson H See Lindholm C
Jonsson K See Pennes DR
Jonsson K; Niklasson J; Josefsson PO: avulsion of the cervical spinal ring apophyses: acute and chronic appearance, Skeletal Radiol 1991; **20:** 207
Jönsson L See Samuelsson L
Jonsson PV; McNamee M; Campion EW: 'do not resuscitate' order: a profile of its changing use, (ab), Radiology 1989; **172:** 296
Joplin GF See MacSweeney JE
Joplin GF See O'Donnell CJ
Jorch G See Pfannschmidt J
Jordan C See Englund JA
Jordan J; Low R; Jeffrey RB Jr: CT findings in acute renal cortical necrosis, JCAT 1990; **14:** 155
Jordan L See Maglinte DDT
Jordan LN See Mantravadi RVP
Jordan M See Delius M
Jordan SC See Cobby MJD
Jordan SW; Brayer JM; Bartels PH; et al: quantitative morphology of late renal radiation injury, Int J Radiat Oncol Biol Phys 1989; **16:** 101
Jordan TJ See Shirato H
Jorens PG See Dierckx R
Jorge CS See Köhler R
Jörgensen C See Andolf E
Jörgensen C See Crang-Svalenius E
Jørgensen J See Lund E
Jørgensen K See Johansen J
Jortner R See Nili M
Jorulf H See Brismar J
Jorulf H See Hugosson C
Jose CC See Varghese CV
Josefsson PO See Jonsson K
Joseph AE See Benya EC
Joseph AE See Gore RM
Joseph AE; Donaldson JS; Reynolds M: neck and thorax venous aneurysm: association with cystic hygroma, Radiology 1989; **170:** 109
Joseph AEA See Davies RJ
Joseph AEA See Ingram C
Joseph AEA See Khaw KT
Joseph AEA See Mills P
Joseph AEA; Saverymuttu SH; Al-Sam S; et al: comparison of liver histology with ultrasonography in assessing diffuse parenchymal liver disease, Clin Radiol 1991; **43:** 26
Joseph DB See Taylor RS
Joseph DJ See Hamilton CS
Joseph GJ See Davis PC
Joseph GJ See Glass-Royal M
Joseph GJ See Teitelbaum GP
Joseph PM See De Roos A
Joseph PM See Fishman JE
Joseph PM See Lu D
Joseph PM See Summers RM
Joseph RC See Casillas J
Joseph S See Rao VRK
Josephs SH See Sivit CJ
Josephson L See Weissleder R
Joshi JG See Chen JC
Joshi K See Sethi T
Joshi M See Goins WA
Joshi RK See Sharif HS
Joshi VV; Beckwith JB: multilocular cyst of the kidney (cystic nephroma) and cystic, partially differentiated nephroblastoma: terminology and criteria for diagnosis, (ab), Radiology 1990; **174:** 899
Joske D See Taylor DB
Joslin CAF See Khoury GG
Joslyn JN See Aisner SC
Joslyn JN See Mirvis SE
Jost RG See Miller TR
Jost RG See Sagel SS
Jost RG See Solomon SL
Joullie M See Boisserie-Lacroix M
Jouret A See Haot J
Joy AM; Goodgame DML; Stratford IJ: high efficiency of ferricenium salts as radiosensitizers of V79 cells *in* vitro and the KHT tumor *in vivo*, Int J Radiat Oncol Biol Phys 1989; **16:** 1053
Joy SE See Runge VM
Joy SE See Simon JH
Joyce F; Burcharth F; Holm HH; et al: ultrasonically guided percutaneous implantation of iodine-125 seeds in pancreatic carcinoma, Int J Radiat Oncol Biol Phys 1990; **19:** 1049
Joyce JM See Kacki MH
Joyce JM; Aubrey DL; MacDonald JS; et al: lung uptake of technetium-99m HDP in giant-cell tumor metastases, Clin Nucl Med 1989; **14:** 767
Joyce JM; Conrad G; Shih W-J; et al: arterial thrombosis and insufficiency causing diffusely decreased uptake by skeleton of a limb, Semin Nucl Med 1991; **21:** 165
Joyce JM; Malluche HH; Coon JS; et al: bone densitometry of osteopetrosis in an adolescent girl, Clin Nucl Med 1990; **15:** 48
Joyce JM; Warren DL; Humphries LL; et al: osteoporosis in women with eating disorders: comparison of physical parameters, exercise, and menstrual status with SPA and DPA evaluation, J Nucl Med 1990; **31:** 325
Joyce MRL See Gedroyc WMW
Joyce P See Singer J
Joyce PF See Bunchman TE
Joyce PF; O'Neill M; Kweka E; et al: comparison of Hexabrix 320 and Hexabrix 250 in aortoperipheral arteriography: towards cheaper low osmolar contrast media?, Cardiovasc Intervent Radiol 1989; **12:** 161
Jozsef G See Astrahan MA
Judd J; Awwad EE; Smith KR Jr: MR and CT evaluation of intraspinal chondrosarcoma, Comput Med Imag Graph 1990; **14:** 213
Judge N See Al-Malt A
Judmaier G See Kathrein H
Jue T; Anderson S: ^{1}H NMR observation of tissue myoglobin: an indicator of cellular oxygenation *in vivo*, Magn Res Med 1990; **13:** 524
Juettner FM; Arian-Schad K; Porsch G; et al: intraoperative radiation therapy combined with external irradiation in nonresectable non-small-cell lung cancer: preliminary report, Int J Radiat Oncol Biol Phys 1990; **18:** 1143
Juilliere Y See Strauss BH
Juillière Y; Danchin N; Grentzinger A; et al: role of previous angina pectoris and collateral flow to preserve left ventricular function in the presence or absence of myocardial infarction in isolated total occlusion of the left anterior descending coronary artery, (ab), Radiology 1990; **177:** 293
Jules-Elysee KM; Stover DE; Zaman MB; et al: aerosolized pentamidine: effect on diagnosis and presentation of *Pneumocystis carinii* pneumonia, (ab), Radiology 1990; **177:** 596
Julia AM; Bachaud J-M; Canal P; et al: radiosensitivity of jejunal mucosa after whole abdomen irradiation and CDDP pretreatment, Int J Radiat Oncol Biol Phys 1991; **20:** 343
Julia AM; Canal P; Berg D; et al: concomitant evaluation of efficiency, acute and delayed toxicities of combined treatment of radiation and CDDP on an *in vivo* model, Int J Radiat Oncol Biol Phys 1991; **20:** 347
Juliá CL See Baró PR
Julian M See Rousseau HP
Juliani G: radiological diagnosis of thymoma in myasthenia gravis (MG): review of a series of 523 surgically controlled patients, Clin Imag 1990; **14:** 48
Julien N See Martin N
Julien WH: aids to radiological differential diagnosis. 2nd ed, Radiology 1991; **181:** 548
Julien WH: review of radiology: by the faculty of Duke University Medical Center, Department of Radiology, Radiology 1991; **181:** 548
Juliusson G; Abrahamsen AF; Cavallin-Ståhl E; et al: management of non-Hodgkin lymphoma in adults in Scandinavia, United Kingdom, and the Netherlands: report from the European School of Oncology Intercity Meeting at Huddinge Hospital, 3rd June, 1988, Acta Oncol 1989; **28:** 135
Julsrud PR See Kriegshauser JS
Julsrud PR See Lund JT
Julsrud PR: magnetic resonance imaging of the pulmonary arteries and veins, Semin US CT MR 1990; **11:** 184
Julsrud PR; Ehman RL; Hagler DJ; Ilstrup DM: extracardiac vasculature in candidates for Fontan surgery: MR imaging, Radiology 1989; **173:** 503
Junck L See Silbergleit R
Junck L; Moen JG; Hutchins GD; et al: correlation methods for the centering, rotation, and alignment of functional brain images, J Nucl Med 1990; **31:** 1220
Jung GM See Malissard L
Jung KJ See Cho ZH
Jung KJ; Cho ZH: reduction of flow artifacts in NMR diffusion imaging using view-angle tilted line-integral projection reconstruction, Magn Res Med 1991; **19:** 349
Jung M See Minar E
Jung M; Kletter K; Dudczak R; Koppensteiner R; Minar E; Kahls P; Stümpflen A; Pokieser P; Ehringer H: deep vein thrombosis: scintigraphic diagnosis with In-111-labeled monoclonal antifibrin antibodies, Radiology 1989; **173:** 469
Jung W-I; Grodd W; Lutz O; et al: localized ^{1}H *in vivo* NMR spectroscopy of small-volume elements in human brain at 1.5 T, Magn Res Med 1990; **15:** 320
Jungquist G; Arborelius M Jr; Lindell S-E: features of carotid artery flow velocity in healthy subjects and consequences for evaluating stenosis in the internal carotid artery, Ultrasound Med Biol 1989; **15:** 305
Jungreis CA See Erba M
Jungreis CA See Sadler LR
Jungreis CA See Tabatabai A
Jungreis CA: skull-base tumors: ethanol embolization of the cavernous carotid artery, Radiology 1991; **181:** 741
Jungreis CA; Horton JA: pressure changes in the arterial feeder to a cerebral AVM as a guide to monitoring therapeutic embolization, AJNR 1989; **10:** 1057
Jungreis CA; Horton JA; Hecht ST: blood pressure changes in feeders to cerebral arteriovenous malformations during therapeutic embolization, AJNR 1989; **10:** 575
Jungreis CA; Kerber CW: solution that simulates whole blood in a model of the cerebral circulation, AJNR 1991; **12:** 329
Jungreis CA; Sekhar LN; Martinez AJ; Hirsch BE: cardiac myxoma metastatic to the temporal bone, Radiology 1989; **170:** 244
Juni JE See Andrews JC
Juni JE: NucNet: a single-vendor clinical picture archiving and communication system—description and reflections, Semin Nucl Med 1990; **20:** 193

Juni JE; Reichle R: measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Radiology 1990; **177:** 171
Juravsky M; Powe JE; Driedger AA: unusual cause of 'obstructed' appearance on diuretic Tc-99m DTPA renal scan, Clin Nucl Med 1990; **15:** 41
Jurcak-Zaleski S; Comstock CH; Kirk JS: eventration of the diaphragm: prenatal diagnosis, J Ultrasound Med 1990; **9:** 351
Jurik AG: anterior chest wall involvement in patients with pustulosis palmoplantaris, Skeletal Radiol 1990; **19:** 271
Jurkovic D See Kurjak A
Just H See Heiss HW
Just M; Goebel HH; Bohl J; et al: magnetic resonance imaging in primary cerebral neuroblastoma, Neuroradiol 1989; **31:** 108
Just M; Kahaly G; Higer HP; Rösler HP; Kutzner J; Beyer J; Thelen M: Graves ophthalmopathy: role of MR imaging in radiation therapy, Radiology 1991; **179:** 187
Just M; Schwarz M; Ludwig B; et al: cerebral and spinal MR-findings in patients with postrepair myelomeningocele, Pediatr Radiol 1990; **20:** 262
Just SL See Brems-Dalgaard E
Just SL See Sloth C
Just SL; Sloth C; Amundsen P-O: diagnosis of fracture of the carpal scaphoid with 4 oblique projections, Eur J Radiol 1989; **9:** 152
Justesen P See Lindequist S
Justesen P See Rasmussen F
Justich E See Ebner F
Justin EP See Seabold JE
Justin EP; Seabold JE; Robinson RA; et al: insular carcinoma: a distinct thyroid carcinoma with associated iodine-131 localization, J Nucl Med 1991; **32:** 1358
Justin J See Kurohiji T
Juul N See Iversen P
Juul N; Sztuk FJS; Torp-Pedersen S; et al: ultrasonically guided percutaneous treatment of liver abscesses, Acta Radiol 1990; **31:** 275

K

Kaack MB See Roberts JA
Kaae S See Johansen H
Kaalhus O See Fossä SD
Kaalhus O See Sager EM
Kaard HP; Khangure MS; Waring P: extraaxial parasellar cavernous hemangioma, AJNR 1990; **11:** 1259
Kabala JE; Gillatt DA; Persad RA; et al: magnetic resonance imaging in the staging of renal cell carcinoma, Br J Radiol 1991; **64:** 683
Kabala JE; Watkinson AF: technical report: the use of the reformed sidewinder loop in the dilated ureter, Clin Radiol 1991; **43:** 409
Kabala JE; Watt I; Hollingworth P; et al: case report: trismus and multifocal soft tissue ossification. a presentation of fibrodysplasia ossificans progressiva?, Clin Radiol 1989; **40:** 523
Kabalka GW; Davis MA; Buonocore E; et al: Gd-labeled liposomes containing amphipathic agents for magnetic resonance imaging, Invest Radiol 1990; **25:** S63
Kabalka GW; Davis MA; Moss TH; et al: gadolinium-labeled liposomes containing various amphiphilic Gd-DTPA derivatives: targeted MRI contrast enhancement agents for the liver, Magn Res Med 1991; **19:** 406
Kaban LB See Helms CA
Kabler C See Pantoja E
Kachalia P; Bowie JD; Adams DB; et al: in utero sonographic appearance of the atrial septum primum and septum secundum, J Ultrasound Med 1991; **10:** 423
Kachel R; Basche S; Heerklotz I; et al: percutaneous transluminal angioplasty (PTA) of supra-aortic arteries especially the internal carotid artery, Neuroradiol 1991; **33:** 191
Kachi K See Araki T
Kacinski BM; Chambers SK; Stanley ER; et al: cytokine CSF-1 (M-CSF) expressed by endometrial carcinomas *in vivo* and *in vitro*, may also be a circulating tumor marker of neoplastic disease activity in endometrial carcinoma patients, Int J Radiat Oncol Biol Phys 1990; **19:** 619
Kacinski BM; Stanley ER; Carter D; et al: circulating levels of CSF-1 (M-CSF) a lymphohematopoietic cytokine may be a useful marker of disease status in patients with malignant ovarian neoplasms, Int J Radiat Oncol Biol Phys 1989; **17:** 159
Kacki MH; Joyce JM; Coupal JJ; et al: lung uptake on Tc-99m albumin colloid liver spleen scan and on Ga-67 scan in angiotropic lymphoma, Clin Nucl Med 1990; **15:** 187
Kaczmarski R See Page AC
Kaczynski J; Wallerstedt S: registration of liver cancer data—a study on the reliability of the Swedish Cancer Registry, Acta Oncol 1989; **28:** 716
Kader KL See Butler SP
Kader KL; Hubbard S; Carroll BA: hepatic ultrasonic tissue characterization of video image data, Invest Radiol 1990; **25:** 1091
Kadir S See Encarnacion CE
Kadir S See Fereshetian A
Kadir S See Kaufman SL
Kadir S See Ku A
Kadir S See Roubidoux MA
Kadir S See Uglietta JP
Kadota T See Inoue E
Kadota T; Ishikura R; Tabuchi Y; et al: MR imaging of chronic cerebral paragonimiasis, AJNR 1989; **10:** S21
Kadowaki K See Hori S
Kadowaki K See Ikezoe J
Kadowaki K See Narumi Y
Kadoya M See Arai K
Kadoya M See Demachi H
Kadoya M See Gabata T
Kadoya M See Kitagawa K
Kadoya M See Matsui O
Kadoya M See Suzuki M
Kadoya M See Terada T
Kadoya M; Matsui O; Nakanuma Y; Yoshikawa J; Arai K; Takashima T; Amano M; Kimura M: ciliated hepatic foregut cyst: radiologic features, Radiology 1990; **175:** 475
Kadziolka R See Kälebo P
Kaern J; Tropé C; Abeler V; et al: phase II study of 5-fluorouracil/cisplatinum in recurrent cervical cancer, Acta Oncol 1990; **29:** 25
Kaffenberger DA See Morse SS
Kaftori JK See Pery M
Kagan AR See Rao A
Kagan AR See Ryoo MC
Kagan AR: risks from radium and Thoratrast. BIR (British Institute of Radiology) report 21, Radiology 1991; **179:** 424
Kagan RA See Steckel RJ
Kagan-Hallet KS See Bazan C III
Kagawa K See Kawamura Y
Kagetsu NJ See Choi IS
Kagetsu NJ; Litt AW: important considerations in measurement of attractive force on metallic implants in MR imagers, Radiology 1991; **179:** 505
Kageyama GH See Di Rocco RJ
Kageyama T; Doke Y; Takahashi M; et al: computed tomography of myelolipoma in the accessory adrenal gland, Urol Radiol 1989; **11:** 153
Kagiya T; Nishimoto S-I; Shibamoto Y; et al: importance of tumor affinity of nitroazoles in hypoxic radiosensitization, Int J Radiat Oncol Biol Phys 1989; **16:** 1033
Kahaly G See Just M
Kahan JP See Hillman BJ
Kahls P See Jung M
Kahlscheuer B See Ringelstein EB
Kahn CE Jr: computer-aided management of residents' on-call and vacation schedules, AJR 1990; **154:** 641
Kahn CE Jr; Kovatsis PG; Messersmith RN; et al: automated entry of radiology requisition information with artificial-intelligence techniques, AJR 1989; **153:** 1085
Kahn CE Jr; Messersmith RN; Samuels BL: technical note: brachial plexopathy as a complication of intraarterial cisplatin chemotherapy, Cardiovasc Intervent Radiol 1989; **12:** 47
Kahn D; Argenyi EA; Berbaum K; et al: incidence of serious hemodynamic changes in physically-limited patients following oral dipyridamole challenge before thallium-201 scintigraphy, Clin Nucl Med 1990; **15:** 678
Kahn J See Urano M
Kahn JK; Carry MM; McGhie I; et al: quantitation of postexercise lung thallium-201 uptake during single photon emission computed tomography, J Nucl Med 1989; **30:** 288
Kahn MJ See Malet PF
Kahn ML See Kastan DJ
Kahn T; Bürrig K; Schmitz-Dräger B; Fürst G; Mödder U: prostatic carcinoma and benign prostatic hyperplasia: MR imaging with histopathologic correlation, Radiology 1989; **173:** 847
Kahr G See Rabitsch H
Kahrilas PJ See Logemann JA
Kahrilas PJ See Sloan S
Kaii O See Kobayashi H
Kain R See Mostbeck GH
Kainberger F See Schwaighofer BW
Kainberger FM; Engel A; Barton P; et al: injury of the Achilles tendon: diagnosis with sonography, AJR 1990; **155:** 1031
Kainberger FM; Vergesslich KA; Eilenberger M; et al: color-coded Doppler evaluation of cholecystic varices in portal hypertension, Pediatr Radiol 1990; **21:** 71
Kairaluoma MI; Leinonen A; Ståhlberg M; et al: percutaneous aspiration and alcohol sclerotherapy for symptomatic hepatic cysts: an alternative to surgical intervention, (ab), Radiology 1990; **174:** 898
Kairemo KJA; Hopsu EVM: diagnosis of tumors of the parotid gland with anti-CEA immunoscintigraphy, AJR 1990; **154:** 1259
Kairemo KJA; Hopsu EVM: imaging of tumours in the parotid region with indium-111 labelled monoclonal antibody reacting with carcinoembryonic antigen, Acta Oncol 1990; **29:** 539
Kairemo KJA; Hopsu EVM: immunoscintigraphy in laryngeal and pharyngeal carcinomas using indium-111 labelled monoclonal antibody, Acta Oncol 1990; **29:** 533
Kairemo KJA; Hopsu EVM: radioimmunodetection of chemodectoma by In-111 labeled anti-CEA antibody: case report and review of the literature, Clin Nucl Med 1990; **15:** 900
Kairemo KJA; Wiklund TA; Liewendahl K; et al: imaging of soft-tissue sarcomas with indium-111-labeled monoclonal antimyosin Fab fragments, J Nucl Med 1990; **31:** 23
Kaiser AM See Peters AM
Kaiser KP; Geuting B; Grossman K; et al: tracer kinetics of 15-(ortho-$^{123/131}$I-phenyl)-pentadecanoic acid (oPPA) and 15-(para-$^{123/131}$I-phenyl)-pentadecanoic acid (pPPA) in animals and man, J Nucl Med 1990; **31:** 1608
Kaiser LR See Glazer HS
Kaiser MC See van Heuzen EP
Kaiser MCRLE See Taphoorn MJB
Kaiser S See Kimme-Smith C
Kaiser WA; Zeitler E: MR imaging of the breast: fast imaging sequences with and without Gd-DTPA. preliminary observations, Radiology 1989; **170:** 681
Kaissar G; Kim JH; Bravo S; Sze G: histologic basis for increased extraocular muscle enhancement in gadolinium-enhanced MR imaging, Radiology 1991; **179:** 541
Kaizer H See Patzik SB
Kajander H See Hekali P
Kajanti M; Mäntylä M: carcinoma of the hypopharynx: a retrospective analysis of the treatment results over a 25-year period, Acta Oncol 1990; **29:** 903
Kajanti MJ; Mäntyl MJ: carcinoma of the nasopharynx: a retrospective analysis of treatment results in 125 patients, Acta Oncol 1990; **29:** 611
Kaji T See Ishikawa T
Kajihara Y See Imai S
Kajimura K See Tamada T
Kajitani A See Sugimura K
Kajiwara H See Hashimoto M
Kak VK; Gupta RK; Sharma BS; et al: craniospinal enterogenous cyst: MR findings, JCAT 1990; **14:** 470
Kakitsubata S See Kakitsubata Y
Kakitsubata Y; Kakitsubata S; Asada K; et al: anomalous right lobe of the liver: CT appearance, Gastrointest Radiol 1991; **16:** 326
Kakitsubata Y; Nakamura R; Mitsuo H; et al: absence of the left lobe of the liver: US and CT appearance, Gastrointest Radiol 1991; **16:** 323
Kalasinski LA See Cohen MD
Kaldor J: second cancer following chemotherapy and radiotherapy: an epidemiological perspective, Acta Oncol 1990; **29:** 647
Kale VR See Husein AMA
Kälebo P; Anthmyr B-A; Eriksson BI; et al: phlebographic findings in venous thrombosis following total hip replacement, Acta Radiol 1990; **31:** 259
Kälebo P; Goksör L-Å; Swärd L; et al: soft-tissue radiography, computed tomography, and ultrasonography of partial Achilles tendon ruptures, Acta Radiol 1990; **31:** 565
Kälebo P; Kadziolka R; Swärd L; et al: stress views in the comparative assessment of spondylolytic spondylolisthesis, Skeletal Radiol 1989; **17:** 570
Kälebo P; Strid K-G: radiographic videodensitometry for quantitative monitoring of experimental bone healing, Br J Radiol 1989; **62:** 883
Kälebo P; Swärd L; Karlsson J; et al: ultrasonography in the detection of partial patellar ligament ruptures (jumper's knee), Skeletal Radiol 1991; **20:** 285
Kälebo P; Wallin J: computed tomography in massive pulmonary embolism, Acta Radiol 1989; **30:** 105
Kalef-Ezra JA See Karantanas AH
Kalend A See Flickinger JC
Kalend AM; Park TL; Wu A; et al: clinical use of a wing field with transmission block for the treatment of the pelvis including the inguinal node, Int J Radiat Oncol Biol Phys 1990; **19:** 153

Kalender WA See **Reinbold W-D**
Kalender WA See **Vock P**
Kalender WA; Felsenberg D; Louis O; et al: reference values for trabecular and cortical vertebral bone density in single and dual-energy quantitative computed tomography, Eur J Radiol 1989; **9:** 75
Kalender WA; Fichte H; Bautz W; et al: semiautomatic evaluation procedures for quantitative CT of the lung, JCAT 1991; **15:** 248
Kalender WA; Rienmüller R; Seissler W; Behr J; Welke M; Fichte H: measurement of pulmonary parenchymal attenuation: use of spirometric gating with quantitative CT, Radiology 1990; **175:** 265
Kalender WA; Seissler W; Klotz E; Vock P: spiral volumetric CT with single-breath-hold technique, continuous transport, and continuous scanner rotation, Radiology 1990; **176:** 181
Kalet IJ See **Jacky JP**
Kalff V See **Hicks RJ**
Kalhs P See **Herold CJ**
Kalifa G See **Adamsbaum C**
Kalifa G See **Demange P**
Kalifa G See **Pasco A**
Kalifa G; Barbet JP; Labbe F; et al: value of systematic post mortem radiographic examinations of fetuses—400 cases, Pediatr Radiol 1989; **19:** 111
Kalin B See **Axelsson B**
Kalish LA See **Stomper PC**
Kalisher L See **Beute BJ**
Kalisher L See **Chinn K**
Kalisher L; Dembner A: mammographic features of hidradenitis suppurativa axillaris, J Canad Assoc Radiol 1990; **41:** 160
Kállay Z See **Trnovec T**
Kallinowski F See **Okunieff P**
Kallinowski F; Brownell A-L; Vaupel P; et al: combined tissue oxygen tension measurement and positron emission tomography studies on glucose utilization in oncogene-transformed cell line tumour xenografts in nude mice, Br J Radiol 1991; **64:** 350
Kallinowski F; Zander R; Hoeckel M; et al: tumor tissue oxygenation as evaluated by computerized-pO_2-histography, Int J Radiat Oncol Biol Phys 1990; **19:** 953
Kallio T; Alanen A; Kormano M: A-mode ultrasonic detection of slow flow velocities in vitro, Acta Radiol 1989; **30:** 103
Kallio T; Alanen A; Kormano M: effect of radiographic contrast media on ultrasonically detectable red blood cell aggregation in vitro, Invest Radiol 1989; **24:** 789
Kallio T; Alanen A; Kormano M: *in vitro* echogenicity of flowing blood in patients with vascular disease and the effect of naftidrofuryl, Ultrasound Med Biol 1989; **15:** 555
Kallio T; Alanen A; Kormano M: red blood cell aggregability and contrast media: recent results of quantitative dynamic ultrasonic analysis, Invest Radiol 1990; **25:** S121
Kallioinen MJ See **Päivänsalo MJ**
Kallioniemi O-P See **Ojala A**
Kallman CE See **Herman PG**
Kallman CE; Gosink BB; Gardner DJ: carotid duplex sonography: bisferious pulse contour in patients with aortic valvular disease, AJR 1991; **157:** 403
Kallman DA See **Legan JM**
Kallman DA; Wigley FM; Scott WW Jr; et al: new radiographic grading scales for osteoarthritis of the hand: reliability for determining prevalence and progression, (ab), Radiology 1990; **176:** 591
Kallman RF See **Dorie MJ**
Kallman RF; Rapacchietta D; Zaghloul MS: schedule-dependent therapeutic gain from the combination of fractionated irradiation plus c-DDP and 5-FU or plus c-DDP and cyclophosphamide in C3H/Km mouse model systems, Int J Radiat Oncol Biol Phys 1991; **20:** 227
Kalman PG See **Sniderman KW**
Kalmar JA See **Kogutt MS**
Kalofonos HP; Pawlikowska TR; Hemingway A; et al: antibody guided diagnosis and therapy of brain gliomas using radiolabeled monoclonal antibodies against epidermal growth factor receptor and placental alkaline phosphatase, J Nucl Med 1989; **30:** 1636
Kalofonos HP; Rusckowski M; Siebecker DA; et al: imaging of tumor in patients with indium-111-labeled biotin and streptavidin-conjugated antibodies: preliminary communication, J Nucl Med 1990; **31:** 1791
Kalokhe UP See **Muller-Runkel R**
Kaltenbach M See **Vallbracht C**
Kaltenborn WT See **Knudson RJ**
Kalugdan RG; Satoh S; Koyanagi T; et al: antenatal diagnosis of pulmonary arteriovenous fistula using real-time ultrasound and color Doppler flow imaging, JCU 1989; **17:** 607
Kalus ME Jr See **Stewart RE**
Kalyani N See **Indrani S**
Kalyoncu F See **Erzen C**
Kam KC See **James ND**
Kam LW See **Levine MS**
Kamada T See **Tsujii H**
Kamaki M See **Shintani S**
Kamalakar T See **Sharma S**
Kamalsky JM See **Schaefer CM**
Kamano T See **Honda N**
Kamata S See **Hasegawa T**
Kambhu SA See **Phillips ME**
Kamby C; Andersen J; Ejlertsen B; et al: pattern of spread and progression in relation to the characteristics of the primary tumour in human breast cancer, Acta Oncol 1991; **30:** 301
Kamby C; Ejlertsen B; Andersen J; et al: body size and menopausal status in relation to the pattern of spread in recurrent breast cancer, Acta Oncol 1989; **28:** 795
Kameda H See **Akimura T**
Kameda T See **Tokumaru A**
Kamegawa T See **Yoshida Y**
Kamei T See **Elwany S**
Kamerer DB See **Rubin J**
Kameyama M See **Hirono N**
Kameyama T See **Matsui O**
Kamholtz RG; Cronan JJ; Dorfman GS: obstruction and the minimally dilated renal collecting system: US evaluation, Radiology 1989; **170:** 51
Kamikonya N See **Hishikawa Y**
Kamikura I See **Chida K**
Kaminer EM See **Birnbaum BA**
Kamino K See **Nakao N**
Kaminski MS See **Wahl RL**
Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R: gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Radiology 1991; **178:** 503
Kamiya H; Ohsugi S; Ohno M; Horiba M; Hayashi H: coronary angiography by means of the percutaneous transbrachial approach, Radiology 1991; **179:** 863
Kamm MA; Lennard-Jones JE; Thompson DG; et al: dynamic scanning defines a colonic defect in severe idiopathic constipation, (ab), Radiology 1989; **171:** 290
Kamm MA; McLean A; Farthing MJG; et al: ultrasonography shows no abnormality of pelvic structures in women with severe idiopathic constipation, (ab), Radiology 1990; **175:** 289
Kamman RL; Stomp GP; Berendsen HJC: unified multiple-feature color display for MR images, Magn Res Med 1989; **9:** 240
Kammer B See **Mueller PR**
Kammer B; Saini S; Brink JA; Knoefel WT; Ferrucci JT; Simeone JF; Mueller PR: optimal technique for detection of gallstones at injection cholecystography: in vitro analysis, Radiology 1991; **180:** 43
Kämpfe M See **Fritzsch T**
Kan A See **Kozlowski K**
Kan JS; Marvin WJ; Bass JL; et al: balloon angioplasty–branch pulmonary artery stenosis: results from the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Radiology 1990; **177:** 893
Kan M-N See **Chen Y-T**
Kan Z See **Lindberg C-G**
Kan Z; Ivancev K; Hägerstrand I; et al: in vivo microscopy of the liver after injection of Lipiodol into the hepatic artery and portal vein in the rat, Acta Radiol 1989; **30:** 419
Kanal E See **Runge VM**
Kanal E See **Shellock FG**
Kanal E; Shellock FG: burns associated with clinical MR examinations, Radiology 1990; **175:** 585
Kanal E; Shellock FG; Talagala L: safety considerations in MR imaging, Radiology 1990; **176:** 593
Kanamori M See **Itoh H**
Kanamuller H See **Birnbaum BA**
Kanarek DJ See **Choi NC**
Kanberoglu K See **Alparslan L**
Kandarpa K See **Aruny JE**
Kandarpa K See **Meyerovitz MF**
Kandazari S See **Sinha PP**
Kandiah R See **Rathakrishnan V**
Kane NM; Cronan JJ; Dorfman GS; et al: pediatric abdominal trauma: evaluation by computed tomography, (ab), Radiology 1989; **170:** 591
Kane NM; Francis IR; Burney RE; et al: traumatic pneumoperitoneum: implications of computed tomography diagnosis, Invest Radiol 1991; **26:** 574
Kane NM; Francis IR; Ellis JH: value of CT in the detection of bladder and posterior urethral injuries, AJR 1989; **153:** 1243
Kane RA See **Clarke MP**
Kane RA See **Finn JP**
Kane RA See **Littrup PJ**
Kane RA; Falchuk KR; Uchman S; et al: regenerating liver macronodule causing biliary obstruction, JCU 1989; **17:** 434
Kaneko K; Kudo S; Tashiro M; et al: case report: computed tomography findings in Williams-Campbell syndrome, J Thorac Imag 1991; **6-2:** 11
Kaneko M See **Irie T**
Kaneko T See **Toyohara T**
Kanel GC See **Radin DR**
Kanel KT; Kroboth FJ; Schwentker FN; et al: intravenous pyelogram in acute pyelonephritis, (ab), Radiology 1989; **171:** 588
Kanematsu M; Imaeda T; Iinuma G; et al: leimyosarcoma of the duodenum, Gastrointest Radiol 1991; **16:** 109
Kanematsu M; Imaeda T; Yamawaki Y; et al: agenesis of the right lobe of the liver: case report, Gastrointest Radiol 1991; **16:** 320
Kaneoke Y; Furuse M; Yoshida K; et al: transfer index of MR relaxation enhancer: a quantitative evaluation of MR contrast enhancement, AJNR 1989; **10:** 329
Kang EH; Middleton WD; Balfe DM; Soper NJ: laparoscopic cholecystectomy: evaluation with sonography, Radiology 1991; **181:** 439
Kang HS See **Chen C**
Kang HS See **Haller J**
Kang HS See **Kindynis P**
Kang HS; Kindynis P; Brahme SK; Resnick D; Haghighi P; Haller J; Sartoris DJ: triangular fibrocartilage and intercarpal ligaments of the wrist: MR imaging. cadaveric study with gross pathologic and histologic correlation, Radiology 1991; **181:** 401
Kang HS; Lee Y; Park JH; et al: microcholangiography: normal microbiliary system and its alteration after extrahepatic bile duct obstruction, Invest Radiol 1989; **24:** 451
Kang JY See **Wee A**
Kang SB See **Kim SH**
Kang W-M; Lee CH; Chon Y-H; et al: clinical evaluation of ultrasonography in the diagnosis of acute appendicitis, (ab), Radiology 1989; **172:** 882
Kang YS See **Cova M**
Kang YS See **Kronthal AJ**
Kang YS See **Ricci C**
Kang YS; Fishman EK; Kuhlman JE; et al: seminal vesicle abscesses: spectrum of computed tomographic findings, Urol Radiol 1989; **11:** 182
Kangarloo H See **Boechat MI**
Kangarloo H See **Huang HK**
Kangarloo H: PACS—clinical experience at UCLA, Comput Med Imag Graph 1991; **15:** 201
Kang-Da L; Zhao-You T; Yan-Ming B; et al: radioimmunotherapy for hepatocellular carcinoma (HCC) using ^{131}I-anti HCC isoferritin IgG: preliminary results of experimental and clinical studies, Int J Radiat Oncol Biol Phys 1989; **16:** 319
Kania U See **Kreft B**
Kankaanpää U See **Santavirta S**
Kankam MK; Jeng LL; Moore RM Jr: in utero exposure to diagnostic US, Radiology 1989; **170:** 572
Kanke M; Matsueda GR; Strauss HW; et al: localization and visualization of pulmonary emboli with radiolabeled fibrin-specific monoclonal antibody, J Nucl Med 1991; **32:** 1254
Kankkunen JP See **Yang XM**
Kannel WB See **Witteman JCM**
Kanno I See **Ogawa T**
Kanno I See **Tomura N**
Kano M See **Brownell A-L**
Kanoh T See **Ohta H**
Kanta J See **Konrádová V**
Kanter SL See **Maupin WB**
Kantoff PW See **Stomper PC**
Kantor HL See **Belliveau JW**
Kantor HL See **Rozenman Y**
Kantorowitz DA; Miller GJ; Ferrara JA; et al: preoperative versus postoperative irradiation in the prophylaxis of heterotopic bone formation in rats, Int J Radiat Oncol Biol Phys 1990; **19:** 1431
Kantrowitz AB See **Tuchman RF**
Kanzaki T See **Chiba Y**
Kao CH; Han NT; Liao SQ; et al: infantile spasm induced by hemispheric pachygria ultrasound, MRI and Tc-99m HMPAO SPECT, Pediatr Radiol 1991; **21:** 373
Kao SCS See **Franken EA Jr**
Kao SCS See **Jantarasami T**
Kao SCS See **Nelson DR**
Kao SCS See **Sato Y**
Kao SCS See **Seabold JE**
Kao SCS; Brown BP; Goedken J: sonography of intracranial air in a newborn with meningomyelocele, Pediatr Radiol 1991; **21:** 375
Kao SCS; Smith WL; Abu-Yousef MM; et al: acute appendicitis in children: sonographic findings, AJR 1989; **153:** 375
Kao SCS; Smith WL; Sato Y; et al: ultrafast CT of laryngeal and tracheobronchial obstruction in symptomatic postoperative infants with esophageal atresia and tracheoesophageal fistula, AJR 1990; **154:** 345

Kao SCS; Waziri MH; Smith WL; et al: MR imaging of the craniovertebral junction, cranium, and brain in children with achondroplasia, AJR 1989; **153:** 565
Kao W See **Helpern JA**
Kapelle JW See **Raymakers JA**
Kapicioğlu T See **Urgancioğlu I**
Kapitan KS See **Fedullo PF**
Kaplan BJ See **Kent TA**
Kaplan BS See **Burk CD**
Kaplan BS See **Jequier S**
Kaplan FS See **Wehrli FW**
Kaplan GD; Aisen AM; Aravapalli SR: preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, JMRI 1991; **1:** 57
Kaplan I; Kapp DS; Bagshaw MA: secondary external-beam radiotherapy and hyperthermia for local recurrence after 125-iodine implantation in adenocarcinoma of the prostate, Int J Radiat Oncol Biol Phys 1991; **20:** 551
Kaplan ID See **Stevens SK**
Kaplan ID; Valdagni R; Cox RS; et al: reduction of spinal metastases after preemptive irradiation in prostatic cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 1019
Kaplan IL See **Swayne LC**
Kaplan IL; Swayne LC: composite SPECT-CT images: technique and potential applications in chest and abdominal imaging, AJR 1989; **152:** 865
Kaplan IL; Swayne LC; Baydin JA: uptake of Ga-67 citrate in a benign neurofibroma, Clin Nucl Med 1989; **14:** 224
Kaplan J See **Becker GJ**
Kaplan JO See **Dolmatch BL**
Kaplan JO See **Katz BH**
Kaplan JO See **Katzen BT**
Kaplan KL See **Grabowski EF**
Kaplan KR See **Siegelman ES**
Kaplan KR; Rifkin MD: MR diagnosis of lipomatous infiltration of the interatrial septum, AJR 1989; **153:** 495
Kaplan MJ See **Gooding GAW**
Kaplan MM See **Outwater E**
Kaplan O See **Kushnir T**
Kaplan P See **Cote G**
Kaplan P See **Helms CA**
Kaplan PA See **Murphy WA Jr**
Kaplan PA See **Norris MA**
Kaplan PA See **Walker CW**
Kaplan PA; Anderson JC; Norris MA; et al: ultrasonography of post-traumatic soft-tissue lesions, Radiol Clin North Am 1989; **27:** 973
Kaplan PA; Helms CA: current status of temporomandibular joint imaging for the diagnosis of internal derangements, AJR 1989; **152:** 697
Kaplan PA; Lieberman RP; Chu W-K: comparison of Omnipaque with Hypaque in temporomandibular arthrography, AJR 1989; **153:** 1225
Kaplan PA; Matamoros A Jr; Anderson JC: sonography of the musculoskeletal system, AJR 1990; **155:** 237
Kaplan PA; Nelson NL; Garvin KL; et al: MR of the knee: the significance of high signal in the meniscus that does not clearly extend to the surface, AJR 1991; **156:** 333
Kaplan RD See **Horowitz AL**
Kaplan SA; Sawczuk IS; O'Toole K; et al: contemporary cystectomy versus preoperative radiation plus cystectomy for bladder cancer, (ab), Radiology 1989; **172:** 586
Kaplan SB; Kemp SS; Oh KS: radiographic manifestations of congenital anomalies of the skull, Radiol Clin North Am 1991; **29:** 195
Kaplan SB; Sumkin JH; Campbell WL; et al: periportal low-attenuation areas on CT: value as evidence of liver transplant rejection, AJR 1989; **152:** 285
Kaplan SB; Zajko AB; Koneru B: hepatic bilomas due to hepatic artery thrombosis in liver transplant recipients: percutaneous drainage and clinical outcome, Radiology 1990; **174:** 1031
Kaplan WD See **Jacobson AF**
Kaplan WD See **Johns WD**
Kaplan WD See **Macklis RM**
Kaplan WE See **Kirsch MD**
Kapoor R See **Clifton AG**
Kapoor R See **Khastigir T**
Kapoor R See **Kulpati DDS**
Kapoor R See **Saha MM**
Kapoor R See **Sharma BK**
Kapoor R; Jain AK; Chaturvedi U; et al: case report: ultrasound detection of tuberculomas of the spleen, Clin Radiol 1991; **43:** 128
Kapoor R; Saha MM; Mandal AK: antenatal sonographic detection of Wolffian duct cyst, JCU 1989; **17:** 515
Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW: registration of three-dimensional MR and PET images of the human brain without markers, Radiology 1991; **181:** 731
Kapp B See **Feyerabend T**
Kapp DS See **Goffinet DR**
Kapp DS See **Kaplan I**
Kapp DS See **Petersen IA**
Kapp DS See **Sapozink MD**
Kapp DS See **Woo SY**
Kapp DS; Barnett TA; Cox RS; et al: hyperthermia and radiation therapy of local-regional recurrent breast cancer: prognostic factors for response and local control of diffuse or nodular tumors, Int J Radiat Oncol Biol Phys 1991; **20:** 1147
Kapp DS; Petersen IA; Cox RS; et al: two or six hyperthermia treatments as an adjunct to radiation therapy yield similar tumor responses: results of a randomized trial, Int J Radiat Oncol Biol Phys 1990; **19:** 1481
Kappelle LJ; Ramos LMP; van Gijn J: role of computed tomography in patients with lacunar stroke in the carotid territory, Neuroradiol 1989; **31:** 316
Kapur BML See **Thomas S**
Kapur MM See **Sarda AK**
Kapur S See **Taylor GA**
Karacagil S; Almgren B; Bowald S; et al: angiographic criteria for prediction of early graft failure of secondary infrainguinal bypass surgery, (ab), JVIR 1991; **2:** 289
Karak PK See **Tandon N**
Karalis DG; Chandrasekaran K; Victor MF; et al: recognition and embolic potential of intraaortic atherosclerotic debris, (ab), JVIR 1991; **2:** 409
Karalis IM See **Majors AW**
Karamalegos AZ; Diokno AC; Moylan DF: formation of perinephric abscess following extracorporeal shock-wave lithotripsy, (ab), Radiology 1990; **175:** 884
Karanauskas S; Starshak RJ; Sty JR: heterotopic Tc-99m MDP uptake secondary to phlebitis, Clin Nucl Med 1991; **16:** 329
Karanauskas S; Wells RG; Sty JR: extraosseus uptake with bone scintigraphy: renal mesenchymal chondrosarcoma with metastasis, Clin Nucl Med 1991; **16:** 375
Karanes C See **Negendank WG**
Karani J See **Olliff S**
Karani J See **Raby N**
Karani JB See **Nunnerley HB**
Karantanas AH; Kalef-Ezra JA; Glaros DC: limitations of quantitative CT in corticosteroid induced osteopenia, Acta Radiol 1991; **32:** 339
Karantanas AH; Kalef-Ezra JA; Glaros DC: quantitative computed tomography for bone mineral measurement: technical aspects, dosimetry, normal data and clinical applications, Br J Radiol 1991; **64:** 298
Karasick D See **Burk DL Jr**
Karasick D See **Miller CL**
Karasick D See **Rao VM**
Karasick D; Wapner KL: hallux valgus deformity: preoperative radiologic assessment, AJR 1990; **155:** 119
Karasick S: hysterosalpingography, Urol Radiol 1991; **13:** 67
Karasick S; Ehrlich S: value of hysterosalpingography before reversal of sterilization procedures involving the fallopian tubes, AJR 1989; **153:** 1247
Karasick S; Goldfarb AF: peritubal adhesions in infertile women: diagnosis with hysterosalpingography, AJR 1989; **152:** 777
Kärcher KH See **Hammer J**
Karck M See **Heinemann M**
Karczmar GS See **Lawry TJ**
Karczmar GS See **Meyerhoff DJ**
Karczmar GS; Meyerhoff DJ; Boska MD; Hubesch B; Poole J; Matson GB; Valone F; Weiner MW: P-31 spectroscopy study of response of superficial human tumors to therapy, Radiology 1991; **179:** 149
Karczmar GS; Meyerhoff DJ; Speder A; et al: response of tumors to therapy studied by ^{31}P magnetic resonance spectroscopy, Invest Radiol 1989; **24:** 1020
Karczmar GS; Tavares NJ; Moseley ME: use of radio-frequency field gradients to image blood flow and perfusion in vivo, Radiology 1989; **172:** 363
Karczmar GS; Tavares NJ; Weiner MW: ^{31}P NMR study of the GI tract: effect of fructose loading and measurement of transverse relaxation times, Magn Res Med 1989; **9:** 8
Kardaun JWPF; Schipper J; Braakman R: CT, myelography, and phlebography in the detection of lumbar disk herniation: an analysis of the literature, AJNR 1989; **10:** 1111
Kardos TF See **Wakely PE Jr**
Karel M See **Sośnierz A**
Karellas A See **Kleinman PK**
Karim ABMF See **Terhaard CHJ**
Karimeddini MK; Klein BE: hollow right hepatic lobe: embolized hemangioma, Clin Nucl Med 1991; **16:** 521
Karis JP; Hertzberg BS; Bowie JD: sonographic diagnosis of premature cervical dilatation: potential pitfall due to lower uterine segment contractions, J Ultrasound Med 1991; **10:** 83
Karis JP; Ravin CE: counterclockwise exit of cardiac pacemaker leads: sign of pulse-generator flip, Radiology 1990; **174:** 711
Kärjä J See **Usenius T**
Karlan MS See **Stein MA**
Karlik S See **Grant CWM**
Karlik S; Florio E; Grant CWM: comparative evaluation of two membrane-based liposomal MRI contrast agents, Magn Res Med 1991; **19:** 56
Karlik SJ See **Lee DH**
Karlik SJ; Gilbert JJ; Wong C; et al: NMR studies in experimental allergic encephalomyelitis: factors which contribute to T1 and T2 values, Magn Res Med 1990; **14:** 1
Karlins NL See **Marmolya G**
Karlins NL; Marmolya G; Miron S: unusual liver variant mimicking a retroperitoneal mass: CT scan appearance and diagnosis by SPECT imaging, Clin Nucl Med 1990; **15:** 560
Karlson LK See **Hesla RB**
Karlsson G See **Ekiöf O**
Karlsson J See **Kälebo P**
Karlsson LG See **Sorbe B**
Karlsson UL See **Seegenschmiedt MH**
Karmel B See **Guzman ER**
Karmel MI See **Polak JF**
Karnel F See **Jantsch H**
Karnel F See **Lammer J**
Karnel F See **vanSonnenberg E**
Karolis C; Frost RB; Billson FA: thin I-125 seed eye plaque to treat intraocular tumors using an acrylic insert to precisely position the sources, Int J Radiat Oncol Biol Phys 1990; **18:** 1209
Karp J See **Ford CC**
Karp J See **Laraque D**
Karp JS; Muehllehner G; Mankoff DA; et al: continuous-slice PENN-PET: a positron tomograph with volume imaging capability, J Nucl Med 1990; **31:** 617
Karp SJ See **Lawton PA**
Karpinski E See **Campbell JD**
Karr B See **Tornyos K**
Karr SB; Schwab FJ; Druy EM: pulmonary air embolism: case report, Cardiovasc Intervent Radiol 1991; **14:** 250
Karrer K; Shields TW; Denck H; et al: importance of surgical and multimodality treatment for small cell bronchial carcinoma, (ab), Radiology 1989; **173:** 290
Kärrholm J See **Ragnarsson JI**
Kars Z See **Altinörs N**
Karsch KR See **Duda SH**
Karsch KR; Haase KK; Voelker W; et al: percutaneous coronary excimer laser angioplasty in patients with stable and unstable angina pectoris: acute results and incidence of restenosis during six-month follow-up, (ab), JVIR 1990; **1:** 137
Karsh S; Mahboubi S: tracheomegaly in children, Clin Imag 1989; **13:** 77
Karsli AF See **Demir K**
Karstaedt N See **Bechtold RE**
Karstaedt N See **Hricak H**
Karstaedt N See **Moeser PM**
Karstaedt N See **Zagoria RJ**
Karstoft J; Ekberg O; Rubesin SE: topographic representation of the pharyngoesophageal segment during swallowing, Invest Radiol 1990; **25:** 184
Karstrup S See **Nolsøe CP**
Karstrup S; Glenthøj A; Hainau B; et al: ultrasound-guided, histological, fine-needle biopsy from suspect parathyroid tumours: success-rate and reliability of histological diagnosis, Br J Radiol 1989; **62:** 981
Karstrup S; Holm HH; Glenthøj A; et al: nonsurgical treatment of primary hyperparathyroidism with sonographically guided percutaneous injection of ethanol: results in a selected series of patients, AJR 1990; **154:** 1087
Karstrup S; Nolsøe C; Brabrand K; et al: ultrasonically guided percutaneous drainage of breast abscesses, Acta Radiol 1990; **31:** 157
Karstrup S; Transbøl I; Holm HH; et al: ultrasound-guided chemical parathyroidectomy in patients with primary hyperparathyroidism: a prospective study, Br J Radiol 1989; **62:** 1037
Kartus PL See **DeVivo MJ**
Karvelis K See **Goyer P**
Karwa G See **Katlowitz NM**
Karwoski RA See **Jack CR Jr**
Karwoski RA See **Robb RA**
Kasabali B; Woodard ML; Bekerman C; et al: enhanced sensitivity and specificity of thallium-201 imaging for the detection of regional ischemic coronary disease by combining SPECT with "bull's eye" analysis, Clin Nucl Med 1989; **14:** 484
Kasagi K See **Hatabu H**
Kasagi K See **Tokuda Y**
Kasagi K; Hatabu H; Tokuda Y; et al: lymphoproliferative disorders of the thyroid gland: radiological appearances, Br J Radiol 1991; **64:** 569

Kasales CJ See **Sueoka BL**
Kasdon D See **Wu A**
Kase E See **Michalski JM**
Kase KR See **Das IJ**
Kashanian FK See **Goldstein HA**
Kashanian FK; Goldstein HA; Blumetti RF; et al: rapid bolus injection of gadopentetate dimeglumine: absence of side effects in normal volunteers, AJNR 1990; **11:** 853
Kashdan BJ; Sullivan KL; Lackman RD; Shapiro MJ; Bonn J; Weiss AJ; Gardiner GA Jr: extremity osteosarcomas: intraarterial chemotherapy and limb-sparing resection with 2-year follow-up, Radiology 1990; **177:** 95
Kashfian P See **Cochran ST**
Kashida H See **Kudo M**
Kashima H See **Epstein BE**
Kashimura M See **Sakamoto C**
Kashiwagi S See **Yamashita T**
Kashiwagi T; Kimura K; Kozuka T; et al: portosystemic collaterals in portal hypertension: visualization by using blood-pool SPECT imaging, AJR 1989; **153:** 281
Kashyap V; Das DK; Luthra UK: microphotometric DNA analysis in moderate dysplasia of the uterine cervix: correlation to the progression and regression of the lesion, Acta Oncol 1990; **29:** 755
Kasi LP See **Wright KC**
Kasina S; Rao TN; Srinivasan A; et al: development and biologic evaluation of a kit for preformed chelate technetium-99m radiolabeling of an antibody Fab fragment using a diamide dimercaptide chelating agent, J Nucl Med 1991; **32:** 1445
Kasliwal RK See **Lear JL**
Kass EJ See **Cacciarelli AA**
Kassab EA See **Carvlin MJ**
Kassamali H See **Antar MA**
Kassamali H See **Slavin JD Jr**
Kassel E See **Som PM**
Kassel EE; Keller MA; Kucharczyk W: MRI of the floor of the mouth, tongue and orohypopharynx, Radiol Clin North Am 1989; **27:** 331
Kasser JR See **Yu L**
Kassis AI See **Makrigiorgos GM**
Kastan DJ See **Cascade PN**
Kastan DJ; Forcier NJ; Kahn ML: Simon nitinol vena cava filter: preliminary observations and suggested procedural modifications, JVIR 1991; **2:** 123
Kastenberg WE See **Champlin RE**
Kastler B See **Dietemann JL**
Kastler B; Germain P; Dietemann JL; et al: spin echo MRI in the evaluation of pericardial disease, Comput Med Imag Graph 1990; **14:** 241
Kastler B; Germain P; Roul G; et al: detection and quantification of recent myocardial infarction: diagnostic value of multiecho multislice spin echo imaging, Comput Med Imag Graph 1991; **15:** 101
Kastler B; Livolsi A; Germain P; et al: magnetic resonance imaging in congenital heart disease of newborns: preliminary results in 23 patients, Eur J Radiol 1990; **10:** 109
Kastler B; Livolsi A; Zhu H; et al: potential role of MR imaging in the diagnostic management of Ebstein anomaly in a newborn, JCAT 1990; **14:** 825
Kasuga T See **Sone S**
Kaszar-Seibert DJ; Korn WT; Bindman DJ; et al: treatment of acute esophageal food impaction with a combination of glucagon, effervescent agent, and water, AJR 1990; **154:** 533
Katada K: MR imaging of brain surface structures: surface anatomy scanning (SAS), Neuroradiol 1990; **32:** 439
Katagiri M; Harada T; Fukunaga M; et al: new perspectives for diagnosis of nodular goiter by technetium-thallium subtraction scanning, Clin Nucl Med 1989; **14:** 897
Kataoka M; Kawamura M; Ueda N; et al: diffuse gallium-67 uptake in radiation pneumonitis, Clin Nucl Med 1990; **15:** 707
Kataoka S; Hirose G; Tsukada K: brain stem type neuro-Behçet's syndrome: correlation of enhanced CT scans and MRI during the acute and chronic stage of the illness, Neuroradiol 1989; **31:** 258
Katayama H See **Pieri P**
Katayama H See **Yamaguchi K**
Katayama H: adverse reactions to contrast media: what are the risk factors?, Invest Radiol 1990; **25:** S16
Katayama H: survey of safety of clinical contrast media, Invest Radiol 1990; **25:** S7
Katayama H; Yamaguchi K; Kozuka T; Takashima T; Seez P; Matsuura K: adverse reactions to ionic and nonionic contrast media: a report from the Japanese Committee on the Safety of Contrast Media, Radiology 1990; **175:** 621
Katayama Y; Tsubokawa T; Miyazaki S; et al: growth of totally thromboseд giant aneurysm within the posterior cranial fossa: diagnostic and therapeutic considerations, Neuroradiol 1991; **33:** 168
Katayama Y; Tsubokawa T; Miyazaki S; et al: magnetic resonance imaging of cavernous sinus cavernous hemangiomas, Neuroradiol 1991; **33:** 118
Katevuo K See **Hurme M**
Katevuo K See **Niemi P**
Kathol MH See **Moore TE**
Kathol MH: radiology of the foot and ankle, Radiology 1989; **173:** 170
Kathol MH; El-Khoury GY; Moore TE; Marsh JL: calcaneal insufficiency avulsion fractures in patients with diabetes mellitus, Radiology 1991; **180:** 725
Kathrein H; Judmaier G; Vogel W: lymphadenopathy in primary biliary cirrhosis: CT observations, Radiology 1990; **175:** 285
Kathren RL See **Brodsky A**
Katkov H See **Repa I**
Katlowitz NM; Karwa G; Lautin E: stress incontinence secondary to a vesicourethral fistula: case report, Urol Radiol 1990; **12:** 37
Kato K; Antoku S; Sawada S; et al: organ doses received by atomic bomb survivors during radiological examinations at the Radiation Effects Research Foundation, Br J Radiol 1991; **64:** 720
Kato K; Antoku S; Sawada S; et al: organ doses to atomic bomb survivors during photofluorography, fluoroscopy and computed tomography, Br J Radiol 1991; **64:** 728
Kato N See **Takeda K**
Kato T See **Ogawa T**
Kato T; Tokumaru A; O'uchi T; Mikami I; Umeda M; Nose K; Eguchi T; Hasegawa M; Okuyama K: assessment of brain death in children by means of P-31 MR spectroscopy: preliminary note: work in progress, Radiology 1991; **179:** 95
Katoh Y; Nakata K; Kohno K; et al: immunoscintigraphy of human tumors transplanted in nude mice with radiolabeled anti-ras p21 monoclonal antibodies, J Nucl Med 1990; **31:** 1520
Katon RM See **Binmoeller KF**
Katou K See **Hihara T**
Katsumata Y See **Maehara T**
Katsumata Y; Maehara T; Noda M; et al: neurinoma of the oculomotor nerve: CT and MR features, JCAT 1990; **14:** 658
Katsuragawa S; Doi K; MacMahon H; Nakamori N; Sasaki Y; Fennessy JJ: quantitative computer-aided analysis of lung texture in chest radiographs, Radiographics 1990; **10:** 257
Katsushima S; Oi H; Nakagawa K; Iida Y; Hidaka A; Hatabu H; Kusui T; Konishi J: hepatic neoplasms: effects of transcatheter arterial embolization on coagulation and fibrinolysis, Radiology 1990; **174:** 747
Kattapuram SV See **Ehara S**
Kattapuram SV See **Khurana JS**
Kattapuram SV See **Mayo-Smith W**
Kattapuram SV; Khurana JS; Scott JA; et al: negative scintigraphy with positive magnetic resonance imaging in bone metastases, Skeletal Radiol 1990; **19:** 113
Kattapuram SV; Lodwick GS; Chandler H; Khurana JS; Ehara S; Rosenthal DI: porous-coated anatomic total hip prostheses: radiographic analysis and clinical correlation, Radiology 1990; **174:** 861
Kattapuram SV; Phillips WC; Mankin HJ: intercalary bone allografts: radiographic evaluation, Radiology 1989; **170:** 137
Katz BH See **Benshoff ER**
Katz BH; Quencer RM: hamartomatous spinal cord lesion in neurofibromatosis, AJNR 1989; **10:** S101
Katz BH; Quencer RM; Hinks RS: comparison of gradient-recalled-echo and T2-weighted spin-echo pulse sequences in intramedullary spinal lesions, AJNR 1989; **10:** 815
Katz BH; Quencer RM; Kaplan JO; et al: MR imaging of intracranial carotid occlusion, AJNR 1989; **10:** 345
Katz BP See **Cohen MD**
Katz DS; Smith TH: Wolf syndrome, Pediatr Radiol 1991; **21:** 369
Katz J See **Boxt LM**
Katz JA; Wagner ML; Gresik MV; et al: typhlitis: an 18-year experience and postmortem review, (ab), Radiology 1990; **176:** 592
Katz K; Mechlis-Frish S; Cohen IJ; et al: bone scans in the diagnosis of bone crisis in patients who have Gaucher disease, (ab), Radiology 1991; **181:** 614
Katz LD; Lawson JP: case report 571, Skeletal Radiol 1990; **19:** 50
Katz M See **Meizner I**
Katz MD; Teitelbaum GP: angiodysplasia associated with Meckel's diverticulum: case report, Cardiovasc Intervent Radiol 1991; **14:** 188
Katz ME See **DiSantis DJ**
Katz ME; Shier CK; Ellis BI; et al: unified approach to symptomatic juxtasternal arthritis and enthesitis, AJR 1989; **153:** 327
Katz ML; Comerota AJ: diagnosis of a popliteal venous aneurysm by venous duplex imaging, J Ultrasound Med 1991; **10:** 171
Katz PG See **Haden HT**
Katz R See **Bar-Ziv J**
Katz R See **Glashow JL**
Katz RD See **Gold RH**
Katz SG See **Berman HL**
Katz VL; Callanan NP; Kirkman HN: difficulties in the prenatal diagnosis of myotubular myopathy by ultrasonography, JCU 1989; **17:** 685
Katzberg RW See **Hansson L-G**
Katzberg RW See **Hayakawa K**
Katzberg RW: temporomandibular joint imaging, Radiology 1989; **170:** 297
Katzberg RW; Donahue LA; Morris TW; et al: ioxilan, a third generation low osmolality nonionic contrast medium: systemic and renal hemodynamic effects, Invest Radiol 1990; **25:** 46
Katzberg RW; Morris TW; Burgener FA; et al: renal renin and hemodynamic responses to selective renal artery catheterization and angiography, Invest Radiol 1990; **25:** 453
Katzberg RW; Sahler LG; Duda SW; et al: renal handling and physiologic effects of the paramagnetic contrast medium Gd-DOTA, Invest Radiol 1990; **25:** 714
Katzen B See **Strandness DE Jr**
Katzen BT See **Becker GJ**
Katzen BT See **Dake MD**
Katzen BT See **Dolmatch BL**
Katzen BT See **Levin DC**
Katzen BT See **Palmaz JC**
Katzen BT See **Rees CR**
Katzen BT See **van Breda A**
Katzen BT See **Wexler L**
Katzen BT See **Zemel G**
Katzen BT: from the president, Radiology 1989; **170:** 950
Katzen BT; Kaplan JO; Dake MD: developing an interventional radiology practice in a community hospital: the interventional radiologist as an equal partner in patient care, Radiology 1989; **170:** 955
Katzenellenbogen JA See **Liu A**
Katzenstein A-LA See **Scalzetti EM**
Katzenstein PL; Malemud CJ; Pathria MN; et al: early-onset primary osteoarthritis and mild chondrodysplasia: radiographic and pathologic studies with an analysis of cartilage proteoglycans, (ab), Radiology 1990; **177:** 894
Katzka DA See **Levine MS**
Kauczor H-U; Layer G; Schad LR; et al: clinical applications of MR angiography in intrathoracic masses, JCAT 1991; **15:** 409
Kaude JV See **Cazenave CR**
Kauffmann GW; Richter GM; Rohrbach R; et al: prolonged survival following palliative renal tumor embolization by capillary occlusion, Cardiovasc Intervent Radiol 1989; **12:** 22
Kaufman AJ See **Erb RE**
Kaufman AJ; Concepcion R; Kirchner FK Jr; et al: ioversol for intravenous urography: a comparison study, Urol Radiol 1990; **12:** 56
Kaufman B; Tomsak RL; Kaufman BA; et al: herniation of the suprasellar visual system and third ventricle into empty sellae: morphologic and clinical considerations, AJNR 1989; **10:** 65
Kaufman BA See **Kaufman B**
Kaufman JA; Greenfield AJ; Fitzpatrick GF: transhepatic cannulation of the inferior vena cava, JVIR 1991; **2:** 331
Kaufman L See **Kramer DM**
Kaufman L See **Rothschild PA**
Kaufman L See **Sheldon PE**
Kaufman L See **Winkler ML**
Kaufman L; Kramer DM; Crooks LE; Ortendahl DA: measuring signal-to-noise ratios in MR imaging, Radiology 1989; **173:** 265
Kaufman N; Nori D; Shank B; et al: remote afterloading intraluminal brachytherapy in the treatment of rectal, rectosigmoid, and anal cancer: a feasibility study, Int J Radiat Oncol Biol Phys 1989; **17:** 663
Kaufman RA See **Abramson SJ**
Kaufman RA See **Burton EM**
Kaufman RA See **Hernandez RJ**
Kaufman RA See **Kirks DR**
Kaufman RA See **Stalker HP**
Kaufman RA: technical aspects of abdominal CT in infants and children, AJR 1989; **153:** 549
Kaufman SL See **Fereshetian A**
Kaufman SL See **Pitt HA**
Kaufman SL See **Redd DCB**
Kaufman SL See **Tyrrel RT**
Kaufman SL: angioplasty from the contralateral approach: use of a guiding catheter and coaxial angioplasty balloons, Radiology 1990; **177:** 577
Kaufman SL; Kadir S; Mitchell SE; Kinnison ML; Chang R: left lobe of the liver: percutaneous biliary drainage, Radiology 1989; **170:** 191

Kaufman Z See **Garstin WIH**

Kaufman Z; Garstin WIH; Hayes R; et al: mammographic parenchymal patterns of nulliparous women and women with a family history of breast cancer, Clin Radiol 1991; **43:** 385

Kaufman Z; Garstin WIH; Hayes R; et al: mammographic parenchymal patterns of women on hormonal replacement therapy, Clin Radiol 1991; **43:** 389

Kaufmann GA; Sundaram M; McDonald DJ: magnetic resonance imaging in symptomatic Paget's disease, Skeletal Radiol 1991; **20:** 413

Kaufmann HJ See **Sommer B**

Kaufmann HJ See **Volle E**

Kaufmann JCE See **Brothers MF**

Kaufmann JCE See **Lee DH**

Kaul U See **Sharma S**

Kauppila A See **Sipilä P**

Kauppila A: oestrogen and progestin receptors as prognostic indicators in endometrial cancer: a review of the literature, Acta Oncol 1989; **28:** 561

Kaur U See **Dilawari JB**

Kavanagh GJ; Kavanagh JT; Kavanagh PBK; et al: automated volume determination of the liver and spleen from Tc-99m colloid SPECT imaging: quantification of the liver functional and nonfunctional tissue in disease, Clin Nucl Med 1990; **15:** 495

Kavanagh JT See **Kavanagh GJ**

Kavanagh KT; Magill HL: Michel dysplasia: common cavity inner ear deformity, Pediatr Radiol 1989; **19:** 343

Kavanagh PBK See **Kavanagh GJ**

Kavanau KS See **Afzal SMJ**

Kavanaugh KM; Aisen AM; Fechner KP; et al: regional metabolism during coronary occlusion, reperfusion and reocclusion using phosphorus^{31} nuclear magnetic resonance spectroscopy in the intact rabbit, (ab), Radiology 1989; **173:** 586

Kaveggia L; Afshani E; Gole D; et al: case report 581, Skeletal Radiol 1989; **18:** 610

Kaveggia LP; Perrella RR; Grant EG; et al: duplex Doppler sonography in renal allografts: the significance of reversed flow in diastole, AJR 1990; **155:** 295

Kaveh Z See **Ben-Uri R**

Kavoussi LR; Yuan J; Andriole GL: urethral fistula and history of bladder neoplasms, Urol Radiol 1989; **11:** 194

Kavuru M See **Fishman EK**

Kavuru M See **Kuhlman JE**

Kawaguchi K; Koike M; Tsuruta K; et al: lymphoplasmacytic sclerosing pancreatitis with cholangitis: a variant of primary sclerosing cholangitis extensively involving pancreas, (ab), Radiology 1991; **181:** 291

Kawahara S See **Kosuda S**

Kawai H See **Hashimoto T**

Kawai K; Fujibayashi Y; Saji H; et al: strategy for the study of cerebral amino acid transport using iodine-123-labeled amino acid radiopharmaceutical: 3-iodo-alpha-methyl-L-tyrosine, J Nucl Med 1991; **32:** 819

Kawai R See **Hashimoto T**

Kawakami S See **Tsuda Y**

Kawakami S; Sagoh T; Kumada H; et al: intravenous leiomyomatosis of uterus: MR appearance, JCAT 1991; **15:** 686

Kawamori Y See **Kitagawa K**

Kawamoto S See **Tokumaru A**

Kawamoto T See **Takahashi K**

Kawamura H; Taniguchi N; Itoh K; et al: salivary gland echography in patients with Sjögren's syndrome, (ab), Radiology 1990; **177:** 295

Kawamura J See **Iwami O**

Kawamura J See **Miki Y**

Kawamura M See **Kataoka M**

Kawamura M See **Kawamura S**

Kawamura S; Imai A; Kawamura M; et al: radiology of secondary amyloidosis of the stomach in a patient with rheumatoid arthritis, Br J Radiol 1991; **64:** 626

Kawamura S; Imai A; Kawamura M; et al: ultrasonic appearance of secondary amyloidosis involving the stomach in rheumatoid arthritis, JCU 1991; **19:** 421

Kawamura Y; Endo K; Koizumi M; et al: gadolinium-phthalein complexone as a contrast agent for hepatobiliary MR imaging, JCAT 1989; **13:** 67

Kawamura Y; Endo K; Watanabe Y; Saga T; Nakai T; Hikita H; Kagawa K; Konishi J: use of magnetite particles as a contrast agent for MR imaging of the liver, Radiology 1990; **174:** 357

Kawanaka M See **Ishimura J**

Kawanami T See **Nagasaki A**

Kawano Y; Ochi M; Hayashi K; et al: magnetic resonance imaging of cerebral fat embolism, Neuroradiol 1991; **33:** 72

Kawasaki T See **Tamada T**

Kawasaki T; Moriyasu F; Kimura T; Someda H; Fukuda Y; Ozawa K: changes in portal blood flow consequent to partial hepatectomy: Doppler estimation, Radiology 1991; **180:** 373

Kawashima A; Fishman EK; Kuhlman JE; et al: CT of malignant melanoma: patterns of small bowel and mesenteric involvement, JCAT 1991; **15:** 570

Kawashima A; Fishman EK; Kuhlman JE; Nixon MS: CT of posterior mediastinal masses, Radiographics 1991; **11:** 1045

Kawashima A; Libshitz HI: malignant pleural mesothelioma: CT manifestations in 50 cases, AJR 1990; **155:** 965

Kawashima A; Libshitz HI; Lukeman JM: radiation-induced malignant pleural mesothelioma, J Canad Assoc Radiol 1990; **41:** 384

Kawashima K See **Hamano K**

Kawashima K See **Hatano K**

Kawashima Y See **Takahashi K**

Kawata M See **Fujisawa I**

Kawata Y See **Takahashi S**

Kawauchi N See **Minami M**

Kay HH See **Hertzberg BS**

Kay HH; Carroll BA; Bowie JD; et al: nonuniformity of fetal umbilical systolic/diastolic ratios as determined with duplex Doppler sonography, J Ultrasound Med 1989; **8:** 417

Kay I See **Constable RT**

Kay RH See **Pucillo AL**

Kaya T See **Demir K**

Kaye A See **Hillman GR**

Kaye AD See **Soble MG**

Kaye BR: rheumatologic manifestations of infection with human immunodeficiency virus (HIV), (ab), Radiology 1990; **174:** 592

Kaye JJ See **Gruden JF**

Kaye JJ: arthritis: roles of radiography and other imaging techniques in evaluation, Radiology 1990; **177:** 601

Kaye JJ; Fuchs HA; Moseley JW; et al: problems with the Steinbrocker staging system for radiographic assessment of the rheumatoid hand and wrist, Invest Radiol 1990; **25:** 536

Kaye JJ; Nance EP Jr: thoracic and lumbar spine trauma, Radiol Clin North Am 1990; **28:** 361

Kayes KJ See **Vahey TN**

Kazam E See **Berkmen YM**

Kazan B: new electronic displays and their possibilities for radiology, Invest Radiol 1989; **24:** 817

Kazerooni E; Hessler C: CT appearance of angiosarcoma associated with chronic lymphedema, AJR 1991; **156:** 543

Kazerooni EA; Sisson JC; Shapiro B; et al: diagnostic accuracy and pitfalls of [iodine-131]6-beta-iodomethyl-19-norcholesterol (NP-59) imaging, J Nucl Med 1990; **31:** 526

Kazui S; Kuriyama Y; Naritomi H; et al: estimation of vertebral arterial asymmetry by computed tomography, Neuroradiol 1989; **31:** 237

Kazui S; Naritomi H; Imakita S; et al: sequential gadolinium-DTPA enhanced MRI studies in neuro-Behçet's disease, Neuroradiol 1991; **33:** 136

Kazzi NJ; Brans YW; Poland RL: dexamethasone effects on the hospital course of infants with bronchopulmonary dysplasia who are dependent on artificial ventilation, (ab), Radiology 1991; **179:** 592

Keana JFW See **Bennett HF**

Keane PF See **De Kaski MC**

Kear D See **Gifford D**

Kearfott KJ: long-term performance of a multiplanar positron emission tomograph, J Nucl Med 1989; **30:** 1378

Kearfott KJ; Rucker RH: median polish for quality assurance of a PET scanner, JCAT 1989; **13:** 932

Kearney D; Donlon JB; Mendelson RM: case of fibrolamellar hepatocellular carcinoma, Australas Radiol 1991; **35:** 88

Kearney PA; Vahey T; Burney RE; et al: computed tomography and diagnostic peritoneal lavage in blunt abdominal trauma: their combined role, (ab), Radiology 1989; **173:** 289

Kearsley JH: therapeutic decision-making in clinical oncology: a matter of perspective, Australas Radiol 1989; **33:** 4

Keating MA See **Eberenz W**

Keats TE See **Pope TL Jr**

Keats TE: some normal variants that may be mistaken for disease, Clin Imag 1991; **15:** 1

Keats TE; Johnson RR; Fechner RE: idiopathic punctate necrosis of the phalanges of the feet, Skeletal Radiol 1989; **18:** 25

Keck GM See **Kelsey CA**

Keck GM See **King JN**

Kedar RP; Wagle AS; Merchant SA: sonographic diagnosis of a splenic artery pseudoaneurysm incorporated within an infected pancreatic pseudocyst, Australas Radiol 1991; **35:** 92

Keefe B See **Clark RL**

Keefe B See **Fleischer AC**

Keefe B See **Hendricks PJ**

Keefe B See **Schiebler ML**

Keefe B See **Warshauer DM**

Keefe B; Warshauer DM; Tucker MS; et al: diverticula of the female urethra: diagnosis by endovaginal and transperineal sonography, AJR 1991; **156:** 1195

Keeffe EB See **Rodman CA**

Keeffe EB See **Salam M**

Keeling C See **Goris ML**

Keeling CA See **Petersen M**

Keenan AM See **Read EJ**

Keenan AM: immunolymphoscintigraphy, Semin Nucl Med 1989; **19:** 322

Keenan AM; Palevsky HI; Steinberg ME; et al: evaluation of preoperative and postoperative ventilation and perfusion lung scintigraphy in the screening for pulmonary embolism after elective orthopedic surgery, Clin Nucl Med 1991; **16:** 13

Keenan AM; Tindel NL; Alavi A: diagnosis of pedal osteomyelitis in diabetic patients using current scintigraphic techniques, (ab), Radiology 1990; **175:** 888

Keenan RJ; List A; Kengsakul C: low dose intravenous urography: results and technique modifications, Australas Radiol 1990; **34:** 137

Keeney G; Jafri SZH; Mezwa DG: computed tomographic evaluation and staging of cecal carcinoma, Gastrointest Radiol 1989; **14:** 65

Keeney SE; Adcock EW; McArdle CB: prospective observations of 100 high-risk neonates by high-field (1.5 Tesla) magnetic resonance imaging of the center nervous system. I. intraventricular and extracerebral lesions. II. lesions associated with hypoxic-ischemic encephalopathy, (ab), Radiology 1991; **181:** 615

Keeter S; Benator RM; Weinberg SM; Hartenberg MA: sedation in pediatric CT: national survey of current practice, Radiology 1990; **175:** 745

Keh RA See **Nguyen VD**

Kehler M; Albrechtsson U; Andersson B; et al: assessment of digital chest radiography using stimulable phosphor, Acta Radiol 1989; **30:** 581

Kehler M; Albrechtsson U; Andrésdóttir A; et al: accuracy of digital radiography using stimulable phosphor for diagnosis of pneumothorax, Acta Radiol 1990; **31:** 47

Kehler M; Albrechtsson U; Andrésdóttir A; et al: digital luminescence radiography in interstitial lung disease: a receiver operating characteristics (ROC) analysis, Acta Radiol 1991; **32:** 18

Keightley AM See **Withers CE**

Keigley BA; Haggar AM; Gaba A; Ellis BI; Froelich JW; Wu KK: primary tumors of the foot: MR imaging, Radiology 1989; **171:** 755

Keim DR See **Hernandez RJ**

Keim M See **Treuner J**

Keim SG See **Brateman L**

Keim SG See **Hill JA**

Keintz MK See **Rimer BK**

Keisch ME; Perez CA; Grigsby PW; et al: preliminary report on 10 patients treated with radiotherapy after radical prostatectomy for isolated elevation of serum PSA levels, Int J Radiat Oncol Biol Phys 1990; **19:** 1503

Keith JW See **Burton EM**

Keith LL See **Chezmar JL**

Kelbaek H See **Gjørup T**

Kelcz F See **Ergun DL**

Kelcz F See **Pozniak MA**

Kelcz F; Peppler WW; Mistretta CA; et al: K-edge digital subtraction arthrography of the painful hip prosthesis: a feasibility study, AJR 1990; **155:** 1053

Kelcz F; Pozniak MA; Pirsch JD; et al: pyramidal appearance and resistive index: insensitive and nonspecific sonographic indicators of renal transplant rejection, AJR 1990; **155:** 531

Keldsen N; Dalmark M: cisplatin and tegafur in recurrent head and neck cancer: a phase II study, Acta Oncol 1990; **29:** 589

Keldsen N; Mortensen BT; Hansen HS: haematological effects from radioiodine treatment of thyroid carcinoma, Acta Oncol 1990; **29:** 1035

Kelleher D See **Gray BN**

Kelleher DK See **Burton MA**

Keller A See **Chen J**

Keller BB See **Dalecki D**

Keller FS See **Berland LL**

Keller FS See **Lanzer P**

Keller FS See **Lawdahl RB**

Keller FS See **McPherson S**

Keller FS See **Mulligan SA**

Keller FS See **Routh WD**

Keller FS See **Yarborough MA**

Keller FS; Barton RE; Routh WD; Gross GM: gross hematuria in two patients with ureteral-ileal conduits and double-J stents, JVIR 1990; **1:** 69

Keller JJL See **Chybowski FM**
Keller MA See **Kassel EE**
Keller MS See **Barton JW III**
Keller MS See **Bates SM**
Keller MS See **Garcia CJ**
Keller MS: renal Doppler sonography in infants and children, Radiology 1989; **172:** 603
Keller MS; Taylor KJW; Riely CA: pseudoportal Doppler signal in the partially obstructed inferior vena cava, Radiology 1989; **170:** 475
Keller NA See **Negendank WG**
Keller PJ; Drayer BP; Fram EK; Williams KD; Dumoulin CL; Souza SP: MR angiography with two-dimensional acquisition and three-dimensional display: work in progress, Radiology 1989; **173:** 527
Keller RJ See **Hermann G**
Keller RJ; Sicular A: jejunal interposition, Gastrointest Radiol 1989; **14:** 9
Kellerhouse LE See **Marcus DS**
Kellett MJ See **Glover JR**
Kellett MJ See **Jones DJ**
Kellett MJ See **Lees WR**
Kelley DAC See **Vigneron DB**
Kelley MA See **Alavi A**
Kelley MA; Carson JL; Palevsky HI; et al: diagnosing pulmonary embolism: new facts and strategies, (ab), Radiology 1991; **180:** 887
Kelley TF See **Chen MYM**
Kelley TF See **Ott DJ**
Kellman GM See **Middleton WD**
Kellman GM See **Nghiem HT**
Kellman RM See **Levy RA**
Kellogg SJ See **Chenoweth CK**
Kellokumpu-Lehtinen P See **Halme A**
Kellokumpu-Lehtinen P See **Nordman E**
Kellokumpu-Lehtinen P; Huovinen R; Johansson R: significance of laboratory values in detection and follow-up of metastatic breast cancer, Acta Oncol 1990; **29:** 313
Kellokumpu-Lehtinen P; Huovinen R; Nikkanen V: survival and esophageal passage after radiotherapy of inoperable esophageal carcinoma: a retrospective study of 106 cases, Acta Oncol 1990; **29:** 175
Kellokumpu-Lehtinen P; Huovinen R; Tuominen J: pancreatic cancer: evaluation of prognostic factors and treatment results, Acta Oncol 1989; **28:** 481
Kellokumpu-Lehtinen P; Söderström K-O; Kortekangas A; et al: radiation-induced morphological changes and radiocurability in squamous cell carcinoma of the head and neck region: a preliminary report, Acta Oncol 1990; **29:** 517
Kelly AB See **Bass A**
Kelly AB See **Krupski WC**
Kelly BJ See **O'Connor MK**
Kelly EW See **Massagli TL**
Kelly IMG; Dick R: technical report: interventional sialography: Dormia basket removal of Wharton's duct calculus, Clin Radiol 1991; **43:** 205
Kelly J; Raptopoulos V; Davidoff A; et al: value of non–contrast-enhanced CT in blunt abdominal trauma, AJR 1989; **152:** 41
Kelly JJ; Reuter KL; Waite RJ: vascular injury complicating lumbar diskectomy: CT diagnosis, AJR 1989; **153:** 1233
Kelly JK See **Jacobs IG**
Kelly JK See **Klein MA**
Kelly JK; Denier JE; Wilner HI; et al: MR imaging of lytic changes in Paget disease of the calvarium, JCAT 1989; **13:** 27
Kelly K See **Homer MJ**
Kelly PJ See **Jack CR Jr**
Kelly RB; Nyberg DA; Mack LA; et al: sonography of placental abnormalities and oligohydramnios in women with elevated alpha-fetoprotein levels: comparison with control subjects, AJR 1989; **153:** 815
Kelly RE Jr See **Foglia RP**
Kelly S See **Isner JM**
Kelly SA; MacLeod PM; Ash DV: use of simultaneous radiotherapy and 5-fluorouracil in patients with inoperable squamous cell lung cancer, Clin Radiol 1989; **40:** 311
Kelly TC See **Worrell JA**
Kelly TR; Wagner DS: gallstone pancreatitis: a prospective randomized trial of the timing of surgery, (ab), Radiology 1989; **171:** 585
Kelly WM See **Chappell PM**
Kelly WM See **Larson TC III**
Kelman SE See **Chirico PA**
Kelsey C See **Davis M**
Kelsey CA; King JN; Keck GM; Chiu MT; Wolfe DM; Orrison WW: ocular hazard of metallic fragments during MR imaging at 0.06 T, Radiology 1991; **180:** 282
Kelsey CA; Mettler FA Jr: flexible protective gloves: the emperor's new clothes?, Radiology 1990; **174:** 275
Kelsey CA; Mettler FA Jr: use of flexible protective gloves, Radiology 1990; **176:** 287
Kelsey CA; Mettler FA Jr: use of flexible protective gloves: another viewpoint: reply, Radiology 1990; **176:** 288
Kelsey P See **Low V**
Keltner JR; Roos MS; Brakeman PR; et al: magnetohydrodynamics of blood flow, Magn Res Med 1990; **16:** 139
Kelton JR See **Wright SM**
Kelvin FM See **Bessette JR**
Kemeny MM See **Wagman LD**
Kemerink G See **Goei R**
Kemp SS See **Applegate LJ**
Kemp SS See **Hecht ST**
Kemp SS See **Hirsch WL**
Kemp SS See **Kaplan SB**
Kempczinski RF See **Martin KD**
Kemper CA; Lombard CM; Deresinski SC; et al: visceral bacillary epithelioid angiomatosis: possible manifestations of disseminated cat scratch disease in the immunocompromised host: a report of two cases, (ab), Radiology 1991; **178:** 900
Kemperdick H See **Raupp P**
Kempson RL See **Resendes M**
Ken JG; vanSonnenberg E; Casola G; Christensen R; Polansky AM: perforated amebic liver abscesses: successful percutaneous treatment, Radiology 1989; **170:** 195
Kenan S See **Abdelwahab IF**
Kenan S; Lewis MM; Abdelwahab IF; et al: case report 652, Skeletal Radiol 1991; **20:** 73
Kenda R; Kenig T; Šilc M; et al: renal ultrasound and excretory urography in infants and young children with urinary tract infection, Pediatr Radiol 1989; **19:** 299
Kendall B See **Kennedy C**
Kendall B See **Wylie EJ**
Kendall B; Kingsley D; Lambert SR; et al: Joubert syndrome: a clinico-radiological study, Neuroradiol 1990; **31:** 502
Kendall BE See **Byrne JV**
Kendall BE See **Clifton AG**
Kendall BE See **Dervin J**
Kendall BE See **Scatliff JH**
Kendall GM; Hughes JS: occupational exposure and the Central Index of Dose Information, Br J Radiol 1990; **63:** 963
Kendig JW; Notter RH; Cox C; et al: comparison of surfactant as immediate prophylaxis and as rescue therapy in newborns of less than 30 weeks' gestation, (ab), Radiology 1991; **181:** 615
Kendrick RR See **Zech ER**
Kenemans P See **Massuger LFAG**
Keng P See **Constine LS**
Keng PC See **Chapuis J-C**
Keng PC; Allalunis-Turner J; Siemann DW: evaluation of cell subpopulations isolated from human tumor xenografts by centrifugal elutriation, Int J Radiat Oncol Biol Phys 1990; **18:** 1061
Kengen RA; Meijer S; Beekhuis H; et al: technetium-99m-MAG_3 clearance as a parameter of effective renal plasma flow in patients with proteinuria and lowered serum albumin levels, J Nucl Med 1991; **32:** 1709
Kengen RAM; De Groot EH; Zijlstra JG; et al: bilateral renal vein thrombosis: the changing pattern of renography, Clin Nucl Med 1990; **15:** 437
Kengen RAM; vd Linde M; Sprenger HG; et al: scintigraphic evaluation of Lyme disease: gallium-67 imaging of Lyme myositis, Clin Nucl Med 1990; **14:** 728
Kengsakul C See **Keenan RJ**
Kenig T See **Kenda R**
Kennamer DL See **Menache L**
Kennan NM; Evans C: case report: hepatic and splenic calcification due to amyloid, Clin Radiol 1991; **44:** 60
Kennard W See **AbuRahma AF**
Kennedy A See **McCarthy P**
Kennedy C See **Glover JR**
Kennedy C See **Javrik JG**
Kennedy C; Phillips R; Kendall B: epidural gas: an unusual complication of metastatic oesophageal carcinoma, Neuroradiol 1990; **32:** 67
Kennedy C; Stoker DJ: case report: malignant fibrous histiocytoma complicating chronic osteomyelitis, Clin Radiol 1990; **41:** 435
Kennedy CD; Habibi P; Matthew DJ; Gordon I: lobar emphysema: long-term imaging follow-up, Radiology 1991; **180:** 189
Kennedy D See **Alpert NM**
Kennedy DN See **Gerard EL**
Kennedy KA See **Rockwell S**
Kennedy RH; Thompson MH: are duodenal diverticula associated with choledocholithiasis?, (ab), Radiology 1989; **171:** 290
Kennedy SJ See **Torres GM**
Kennedy TL See **Giddings NA**
Kennedy WL; Boles M; Lepkowski H; et al: three-dimensional compensating filters using magnetic resonance images, Int J Radiat Oncol Biol Phys 1990; **19:** 1525
Kennergren C See **Larsson S**
Kenney IJ: renal sonography in long standing Lesch–Nyhan syndrome, Clin Radiol 1991; **43:** 39
Kenney IJ: ultrasound in intussusception: a false cystic lead point, Pediatr Radiol 1990; **20:** 348
Kenney PJ: imaging of chronic renal infections, AJR 1990; **155:** 485
Kenney PJ; Hamrick KM; Samuels LJ; Han SY; Bueschen AJ: radiologic evaluation of continent urinary reservoirs, Radiographics 1990; **10:** 455
Kenney RM See **Matsubara O**
Kenny JB; Hughes PL; Whitehouse GH: discovertebral destruction in ankylosing spondylitis: the role of computed tomography and magnetic resonance imaging, Br J Radiol 1990; **63:** 448
Kenny MB; Millar RM: calibration of radiotherapy beams using a PC-based dosimetry recording system, Br J Radiol 1990; **63:** 883
Kenrick AJ See **O'Malley M**
Kensey KR See **Miller FJ**
Kensey KR; Michels M; Abrahams C; et al: percutaneous gallstone lithotripsy: results in acute and chronic swine models, Invest Radiol 1991; **26:** 454
Kent C See **Edelman RR**
Kent KC See **Kim D**
Kent KC; Donaldson MC; Attinger CE; et al: femoropopliteal reconstruction for claudication: the risk to life and limb, (ab), Radiology 1989; **171:** 885
Kent KC; Edelman RR; Kim D; et al: magnetic resonance imaging: a reliable test for the evaluation of proximal atherosclerotic renal arterial stenosis, (ab), Radiology 1991; **181:** 293
Kent KM; Cleman MW; Cowley MJ; et al: reduction of myocardial ischemia during percutaneous transluminal coronary angioplasty with oxygenated fluosol, (ab), Radiology 1991; **178:** 590
Kent TA See **Hillman GR**
Kent TA; Quast MJ; Kaplan BJ; et al: assessment of a superparamagnetic iron oxide (AMI-25) as a brain contrast agent, Magn Res Med 1990; **13:** 434
Kent TA; Quast MJ; Kaplan BJ; et al: cerebral blood volume in a rat model of ischemia by MR imaging at 4.7 T, AJNR 1989; **10:** 335
Kenton LA See **Urano M**
Keogh AM; Eberl S; Yeates MG; et al: reproducibility of radionuclide left ventricular ejection fraction in patients awaiting cardiac transplantation. Clin Nucl Med 1990; **15:** 25
Kepes JJ; Chen WY-K; Connors MH; et al: "chordoid" meningeal tumors in young individuals with peritumoral lymphoplasmacellular infiltrates causing systemic manifestations of the Castleman syndrome: a report of seven cases, (ab), Radiology 1989; **170:** 591
Kepple D See **Jeanty P**
Kepple DM See **Fleischer AC**
Ker M: issues in the use of kappa, Invest Radiol 1991; **26:** 78
Ker M; Seeley GW; Patton D: evaluation of a new method for verifying truth of diagnosis in clinical research, Invest Radiol 1990; **25:** 568
Kerber CW See **Hecht ST**
Kerber CW See **Jungreis CA**
Kerber CW See **Osborn RE**
Kerby IJ See **Adams M**
Kereiakes JG See **Graham LS**
Kerenyi N See **Samuels TH**
Kerlan R See **Rapp JH**
Kermode A See **Winer JB**
Kermode AG See **Tofts PS**
Kern F See **Merz E**
Kern J See **Mainwaring R**
Kern MJ; Serota H; Callicoat P; et al: use of coronary arteriography in the preoperative management of patients undergoing urgent repair of the thoracic aorta, (ab), Radiology 1990; **176:** 883
Kern SE See **Urban BA**
Kerns SR See **Hurst RW**
Kerns SR; Gay SB: CT of blunt chest trauma, AJR 1990; **154:** 55
Kero P See **Svedström EJ**
Kerr CL; Gregory DW; Chan KK; et al: ultrasound-induced damage of veins in pig ears, as revealed by scanning electron microscopy, Ultrasound Med Biol 1989; **15:** 45
Kerr E See **Borders J**
Kerr GR See **Kunkler IH**
Kerr HH See **Banerian KG**
Kerr I See **Carvalho P**
Kerr IH See **Gray HH**
Kerr R See **Cervilla V**
Kerr R See **Forrester DM**
Kerr R See **Haller J**
Kerr R See **Kjellin I**
Kerr R: diagnostic imaging of upper extremity trauma, Radiol Clin North Am 1989; **27:** 891
Kerr R; Frey C: MR imaging in tarsal tunnel syndrome, JCAT 1991; **15:** 280

Kerr RM See **Mayekawa DS**

Kerr TM; Cranley JJ; Johnson JR; et al: analysis of 1,084 consecutive lower extremities involved with acute venous thrombosis diagnosed by duplex scanning, (ab), JVIR 1991; **2:** 288

Kerrigan D See **Stringer DA**

Kersh CR See **Talton BM**

Kerslake R See **Stevens JM**

Kerslake RW; Jaspan T; Worthington BS: magnetic resonance imaging of spinal trauma, Br J Radiol 1991; **64:** 386

Kerslake RW; Rowe D; Worthington BS: CT and MR imaging of CNS lymphomatoid granulomatosis, Neuroradiol 1991; **33:** 269

Kersschot E See **Wilms G**

Kersting-Sommerhoff BA See **Masui T**

Kersting-Sommerhoff BA; Seelos KC; Hardy C; et al: evaluation of surgical procedures for cyanotic congenital heart disease by using MR imaging, AJR 1990; **155:** 259

Kertesz AE See **Adams PC**

Kerut T See **Gross GW**

Kerzel W See **Ell C**

Kesek P See **Ekberg O**

Keshavarzian A See **Posniak HV**

Keshavjee SH; Herman SJ; Yamazaki F; et al: radiologic correlation with early physiologic function of the transplanted canine lung, Invest Radiol 1990; **25:** 511

Ke-Shen L See **Wen-Zhan C**

Keslar P; Newman B; Oh KS: radiographic manifestations of anomalies of the lung, Radiol Clin North Am 1991; **29:** 255

Keslar PJ See **Bowen A**

Kessel IL See **Derman DP**

Kessinger A See **Lund GB**

Kessler C; Maravic Cv; Maravic Mv; et al: colour Doppler flow imaging of the carotid arteries, Neuroradiol 1991; **33:** 114

Kessler HB See **Gatenby RA**

Kessler HB See **Rimer BK**

Kessler HB See **Ross GJ**

Kessler HB See **Vigneron DB**

Kessler HB; Rimer BK; Devine PJ; Gatenby RA; Engstrom PF: corporate-sponsored breast cancer screening at the work site: results of a statewide program, Radiology 1991; **179:** 107

Kessler M See **Phillips MH**

Kessler R; Fraisse P; Krause D; et al: magnetic resonance imaging in the diagnosis of pulmonary infarction, (ab), Radiology 1991; **180:** 588

Kessler RM See **Conturo TE**

Kessler RM See **Creasy JL**

Kessler RM; Ansari MS; de Paulis T; et al: high affinity dopamine D2 receptor radioligands. 1. regional rat brain distribution of iodinated benzamides, J Nucl Med 1991; **32:** 1593

Kester NL: synovial sarcoma in the neck of an eleven month old girl, Pediatr Radiol 1990; **20:** 487

Kester RC See **Gehani AA**

Kesterson L See **Benzel EC**

Keto P See **Soiva M**

Ketonen L See **Kieburtz KD**

Ketonen L See **Pacini R**

Ketonen L See **Simon JH**

Ketonen L; Totterman S; Simon JH; et al: comparison of default and reduced bandwidth MR imaging of the spine at 1.5 T, AJNR 1990; **11:** 9

Kette F See **Maffessanti M**

Ketting BW See **González DG**

Kettle AG See **Mountford PJ**

Keulers P See **Vorwerk D**

Kewitz G See **Boesch C**

Key LL See **Elster AD**

Keyaki A See **Miki Y**

Keyhani-Rofagha S See **de los Santos ET**

Keys R; Grigsby PW: gapping fields on sloping surfaces, Int J Radiat Oncol Biol Phys 1990; **18:** 1183

Keyser CK See **Bower BL**

Keyserlingk J See **Cooke J**

Khabiri H See **Beltran J**

Khafagi FA See **Campbell CM**

Khafagi FA; Shapiro B; Fig LM; et al: labetalol reduces iodine-131 MIBG uptake by pheochromocytoma and normal tissues, J Nucl Med 1989; **30:** 481

Khalife J See **Dartevelle PG**

Khalil A See **Gray JR**

Khalil SN See **Chandnani VP**

Khammash NF See **Halkar RK**

Khammash NF; Halkar RK: failure of exogenous TSH to stimulate suppressed tissue in a case of toxic adenoma, Clin Nucl Med 1989; **14:** 846

Khan A See **Furie DM**

Khan A See **Herman PG**

Khan A See **Murata K**

Khan A See **Noma S**

Khan A; Herman PG; Jojas KA; et al: comparison of CT and chest radiographs in the evaluation of post-therapy lymphoma patients, Eur J Radiol 1989; **9:** 96

Khan A; Herman PG; Vorwerk P; Stevens P; Rojas KA; Graver M: solitary pulmonary nodules: comparison of classification with standard, thin-section, and reference phantom CT, Radiology 1991; **179:** 477

Khan AN See **Carrington BM**

Khan AN See **Le Cheong L**

Khan AN; Boggis CM; Ashleigh RJ: ultrasonography of calculi in ureteroceles, JCU 1989; **17:** 439

Khan FM See **Gerbi BJ**

Khan S; Raby N; Michell M: case report: non-Hodgkin's lymphoma confined to the adrenal glands presenting with Addison's disease, Clin Radiol 1990; **42:** 63

Khan TA See **Hans B**

Khan Z; Mieza M; Bhola A: relative usefulness of physical examination, urodynamics, and roentgenography in the diagnosis of urinary stress incontinence, (ab), Radiology 1989; **170:** 585

Khandelwal N See **Malik N**

Khangure MS See **Battino RA**

Khangure MS See **Breidahl WH**

Khangure MS See **Hankey GJ**

Khangure MS See **Kaard HP**

Khangure MS See **Low V**

Khangure MS See **Morgan PW**

Khanna S See **Davidson NGP**

Khansur T See **Graham BL**

Khastigir T; Kapoor R; Kulpati DDS; et al: Ewing's tumour of rib presenting as chest mass, Australas Radiol 1989; **33:** 116

Khater AER See **Battenfeld R**

Khaw BA See **Fischman AJ**

Khaw BA; Gansow O; Brechbiel MW; et al: use of isothiocyanatobenzyl-DTPA derivatized monoclonal antimyosin Fab for enhanced in vivo target localization, J Nucl Med 1990; **31:** 211

Khaw B-A; Klibanov A; O'Donnell SM; et al: gamma imaging with negatively charge-modified monoclonal antibody: modification with synthetic polymers, J Nucl Med 1991; **32:** 1742

Khaw KT See **Ng YY**

Khaw KT; Saverymuttu SH; Joseph AEA: correlation of ^{111}Indium WBC scintigraphy with ultrasound in the detection and assessment of inflammatory bowel disease, Clin Radiol 1990; **42:** 410

Khaw KT; Walker WJ: ultrasound guided fine needle aspiration of ovarian cysts: diagnosis and treatment in pregnant and non-pregnant women, Clin Radiol 1990; **41:** 105

Khaw KT; Yeoman LJ; Saverymuttu SH; et al: ultrasonic patterns in inflammatory bowel disease, Clin Radiol 1991; **43:** 171

Kheddache S See **Månsson L-G**

Kheddache S; Tylén U; Schlossman D: radiographic reporting directly from the TV monitor of a digital chest radiography system, Eur J Radiol 1991; **13:** 72

Khedekar S See **Cholankeril JV**

Khenia S See **Young IR**

Khim A; Harris RD; Raffel J: anterior urethral valve presenting in an adult male, Urol Radiol 1991; **12:** 196

Khimji T See **Savolaine ER**

Khoshbin S See **Lacomis D**

Khosla A See **Sharma S**

Khouri MR; Goldszmidt JB; Laufer I; Arger P; Marcus A; Wisniewski F; Okberg O; Malet PF: intact stones or fragments? potential pitfalls in the imaging of patients after biliary extracorporeal shock wave lithotripsy, Radiology 1990; **177:** 147

Khouri N See **Sirinelli D**

Khoury A See **Fakhry J**

Khoury A See **Kotval PS**

Khoury D See **Dennison KG**

Khoury GG See **Robinson ACR**

Khoury GG; Bulman AS; Joslin CAF; et al: concomitant pelvic irradiation, 5-fluorouracil and mitomycin C in the treatment of advanced cervical carcinoma, Br J Radiol 1991; **64:** 252

Khoury MB See **Strickland SK**

Khoury MD See **Kresowik TF**

Khurana A See **Sood GK**

Khurana JS See **Ehara S**

Khurana JS See **Kattapuram SV**

Khurana JS; Kattapuram SV; Ehara S; et al: case report 577, Skeletal Radiol 1989; **18:** 565

Khurana R See **Anand R**

Khuroo MS See **Zargar SA**

Khuroo MS; Zargar SA; Mahajan R: *Echinococcus granulosus* cysts in the liver: management with percutaneous drainage, Radiology 1991; **180:** 141

Ki C-W See **Choi BI**

Kiat H See **Berman DS**

Kichikawa K See **Iwasaki S**

Kichikawa K See **Nakagawa H**

Kichikawa K; Uchida H; Yoshioka T; Maeda M; Nishimine K; Kubota Y; Sakaguchi S; Ohishi H; Iwasaki S: iliac artery stenosis and occlusion: preliminary results of treatment Gianturco with expandable metallic stents, Radiology 1990; **177:** 799

Kidani H See **Kitagawa K**

Kidney MR See **Zwirewich CV**

Kido DK See **Giang DW**

Kido DK See **Simon JH**

Kido DK; Barsotti JB; Rice LZ; et al: evaluation of the carotid artery bifurcation: comparison of magnetic resonance angiography and digital subtraction arch aortography, Neuroradiol 1991; **33:** 48

Kido DK; Caine ED; LeMay M; et al: temporal lobe atrophy in patients with Alzheimer disease: a CT study, AJNR 1989; **10:** 551

Kidooka M; Okada T; Takayama S; et al: primary leiomyosarcoma of the spinal dura mater, Neuroradiol 1991; **33:** 173

Kieburtz KD; Ketonen L; Zettelmaier AE; et al: magnetic resonance imaging findings in HIV cognitive impairment, (ab), Radiology 1991; **178:** 900

Kieffer SA See **Segall HD**

Kieffer SA: gadopentetate dimeglumine: observations on the clinical research process, Radiology 1990; **174:** 7

Kieffer SA: gadopentetate dimeglumine: reassessment of the clinical research process, AJNR 1990; **11:** 1168

Kieffer SA; Latchaw RE; Leeds NE; Modic MT; Naidich TP; Pressman BD; Segall HD; Smoker WRK; Tenner M; Williams AL; Zimmerman RD: neuroradiology: RSNA '88 meeting notes, Radiology 1989; **170:** 906

Kiel KD See **Hartsell WF**

Kiely MJ See **Ward EM**

Kien P See **Grenier N**

Kienzle GD; Breger RK; Chun RWM; et al: Sydenham chorea: MR manifestations in two cases, AJNR 1991; **12:** 73

Kier AB See **Denman DL**

Kier EL See **Mayer PL**

Kier R See **Aronson D**

Kier R See **Berkowitz JF**

Kier R See **Chambers SK**

Kier R; Chambers SK: surgical transposition of the ovaries: imaging findings in 14 patients, AJR 1989; **153:** 1003

Kier R; Dietz MJ; McCarthy SM; et al: MR imaging of the normal ligaments and tendons of the ankle, JCAT 1991; **15:** 477

Kier R; McCarthy KM: lipohemarthrosis of the knee: MR imaging, JCAT 1990; **14:** 395

Kier R; McCarthy SM: MR characterization of adrenal masses: field strength and pulse sequence considerations, Radiology 1989; **171:** 671

Kier R; McCarthy SM; Dietz MJ; Rudicel S: MR appearance of painful conditions of the ankle, Radiographics 1991; **11:** 401

Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE: pelvic masses in pregnancy: MR imaging, Radiology 1990; **176:** 709

Kier R; Taylor KJW; Feyock AL; Ramos IM: renal masses: characterization with Doppler US, Radiology 1990; **176:** 703

Kies MS See **Mittal BB**

Kieu K See **Levine MS**

Kiffer JD; Sandeman TF: primary malignant mediastinal germ cell tumors: a study of eleven cases and a review of the literature, Int J Radiat Oncol Biol Phys 1989; **17:** 835

Kigure T See **Harada T**

Kihlén B; Cederlund T; Lagergren C; et al: improved portal film image quality in radiation therapy with high energy photons, Acta Oncol 1991; **30:** 369

Kihlén B; Rudén B-I: reproducibility of field alignment in radiation therapy: a large-scale clinical experience, Acta Oncol 1989; **28:** 689

Kiilholma P See **Varpula M**

Kijewski MF See **Müller SP**

Kikinis R See **Cline HE**

Kikinis R; Wolfensberger M; Boesch C; Martin E: larynx: MR imaging at 2.35 T, Radiology 1989; **171:** 165

Kikuchi Y See **Sato A**

Kikuchi Y See **Strother CM**

Kikuchi Y See **Wada M**

Kikuchi Y; Graves VB; Strother CM; et al: new guidewire with kink-resistant core and low-friction coating, Cardiovasc Intervent Radiol 1989; **12:** 107

Kilcoyne RF See **Lancaster JL**

Kilcoyne RF; Shuman WP; Matsen FA III; et al: Neer classification of displaced proximal humeral fractures: spectrum of findings on plain radiographs and CT scans, AJR 1990; **154:** 1029

Kiley R See **Tozzi R**

Kilgore TL Jr See **O'Mara CS**

Kilgus DJ; Namba RS; Gorek JE; et al: total hip replacement for patients who have ankylosing spondylitis, (ab), Radiology 1991; **178:** 591

Kilkenny TE; Strauss EB; Rhodes C: spinal compression fractures demonstrated on renal scan, Clin Nucl Med 1990; **15:** 205

Killackey MA See **Bashist B**
Killam AP See **Hertzberg BS**
Killam DA See **Braun MA**
Killam H See **D'Cruz IA**
Killander D See **Ewers S-B**
Kilner PJ See **Firmin DN**
Kilner PJ See **Mohiaddin RH**
Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB: valve and great vessel stenosis: assessment with MR jet velocity mapping, Radiology 1991; **178:** 229
Kim BH See **Choi BI**
Kim BS See **Kim KT**
Kim BS See **Lee SH**
Kim CJ; Pak K; Tomoyoshi T; et al: giant stone in the Müllerian duct cyst, Urol Radiol 1989; **11:** 172
Kim CK See **Fineman DS**
Kim CK See **Palestro CJ**
Kim CK See **Solomon RW**
Kim CK See **Swyer AJ**
Kim CK; Heyman S: ventilation/perfusion mismatch caused by positive pressure ventilatory support, J Nucl Med 1989; **30:** 1268
Kim CK; Palestro CJ; Goldsmith SJ: SPECT imaging in the diagnosis of Budd-Chiari syndrome, J Nucl Med 1990; **31:** 109
Kim CK; Palestro CJ; Solomon RW; et al: serial dacryoscintigraphy before and after treatment with pseudoephedrine, Clin Nucl Med 1990; **14:** 734
Kim CK; Palestro CJ; Solomon RW; Molinari DS; Lee SO; Goldsmith SJ: delayed biliary-to-bowel transit in chilescintigraphy after cholecystokinin treatment, Radiology 1990; **176:** 553
Kim C-W See **Choi BI**
Kim C-W See **Im J-G**
Kim C-W See **Kim SH**
Kim C-W See **Park JH**
Kim D See **Edelman RR**
Kim D See **Kent KC**
Kim D See **Porter DH**
Kim D See **Siegel JB**
Kim D See **Simon M**
Kim D; Edelman RR; Kent KC; Porter DH; Skillman JJ: abdominal aorta and renal artery stenosis: evaluation with MR angiography, Radiology 1990; **174:** 727
Kim D; Greenleaf JF; Sehgal CM: ultrasonic imaging of the nonlinear parameter *B/A*: simulation studies to evaluate phase and frequency modulation methods, Ultrasound Med Biol 1990; **16:** 175
Kim D; Leeming BWA: computerized on-line reporting of coronary angiograms with the CLIP system, AJR 1990; **154:** 1307
Kim D; Orron DE; Skillman JJ: surgical significance of popliteal arterial variants: a unified angiographic classification, (ab), Radiology 1990; **175:** 884
Kim D; Porter DH; Siegel JB; et al: common bile duct biopsy with the Simpson atherectomy catheter, AJR 1990; **154:** 1213
Kim D; Porter DH; Siegel JB; et al: use of a reperfusion catheter after angioplasty dissection for salvage of ischemic renal allograft: case report, Cardiovasc Intervent Radiol 1991; **14:** 179
Kim D; Porter DH; Siegel JB; Simon M: perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Radiology 1989; **172:** 721
Kim D; Porter DH; Siegel JB; Simon M: perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter: reply, Radiology 1990; **175:** 287
Kim D; Schlam BW; Porter DH; et al: insertion of the Simon nitinol caval filter: value of the antecubital vein approach, AJR 1991; **157:** 521
Kim DJ See **Kim WS**
Kim DJ; Cho ZH: analysis of the higher-order echoes in SSFP, Magn Res Med 1991; **19:** 20
Kim DY See **Kim SE**
Kim EE See **Abello R**
Kim EE See **Cho J-S**
Kim EE See **Edeiken-Monroe B**
Kim EE See **Hall JT**
Kim EE See **Lamki LM**
Kim EE See **London J**
Kim EE See **O'Keeffe FN**
Kim EE See **Pan G**
Kim EE See **Podoloff DA**
Kim EE See **Yamashita Y**
Kim EE; Wallace S; Abello R; et al: malignant cardiac fibrous histiocytomas and angiosarcomas: MR features, JCAT 1989; **13:** 627
Kim GE; Lyons JC; Song CW: effects of amiloride on intracellular pH and thermosensitivity, Int J Radiat Oncol Biol Phys 1991; **20:** 541
Kim H See **Modlin IM**
Kim H; Park C; Lee YB; et al: case report 643, Skeletal Radiol 1990; **19:** 609
Kim HC; Alavi A; Russell MO; et al: differentiation of bone and bone marrow infarcts from osteomyelitis in sickel cell disorders, Clin Nucl Med 1989; **14:** 249
Kim HJ See **Choi BI**
Kim H-J; Zeeberg BR; Loew MH; et al: three-dimensional simulations of multidetector point-focusing SPECT imaging, J Nucl Med 1991; **32:** 333
Kim HS See **Marshall MW**
Kim HS See **Teitelbaum GP**
Kim IY See **Kim PN II**
Kim IY See **Lee KS**
Kim JH See **Im J-G**
Kim JH See **Kaissar G**
Kim JH See **Kim SH**
Kim JH; Alfieri AA; Kim SH; et al: radiosensitization of two murine fibrosarcomas with 6-thioguanine, Int J Radiat Oncol Biol Phys 1990; **18:** 583
Kim JH; Cho ZH: 3-D MR angiography with scanning 2-D images—simultaneous data acquisition of arteries and veins (SAAV), Magn Res Med 1990; **14:** 554
Kim JH; Kim SH; He SQ; et al: potentiation of radiation effects on multicellular tumor spheroids (MTS) of HeLa cells on lonidamine, Int J Radiat Oncol Biol Phys 1989; **16:** 1277
Kim KB See **Kim SC**
Kim KS See **Kimura F**
Kim K-S See **Song H-Y**
Kim KS See **West MS**
Kim KT; Black KL; Marciano D; et al: thallium-201 SPECT imaging of brain tumors: methods and results, J Nucl Med 1990; **31:** 965
Kim KT; Kim BS; Park YH; et al: embolic control of lumbar artery hemorrhage complicating percutaneous renal biopsy with a 3-F coaxial catheter system: case report, Cardiovasc Intervent Radiol 1991; **14:** 175
Kim MH See **DiSantis DJ**
Kim MJ See **Lee JT**
Kim PK; Spriggs DW; Rutecki GW; et al: transluminal angioplasty in patients with bilateral renal artery stenosis or renal artery stenosis in a solitary functioning kidney, AJR 1989; **153:** 1305
Kim PN See **Whang SH**
Kim PN II; Kim IY; Bae WK; et al: computed tomographic findings of ruptured hepatic malignancy, Gastrointest Radiol 1991; **16:** 334
Kim RW See **Ho CP**
Kim RY See **Spencer SA**
Kim RY; Spencer SA; Meredith RF; Weppelmann B; Lee JY; Smith JW; Salter MM: extradural spinal cord compression: analysis of factors determining functional prognosis—prospective study, Radiology 1990; **176:** 279
Kim RY; Trotti A; Wu C-J; et al: radiation alone in the treatment of cancer of the uterine cervix: analysis of pelvic failure and dose response relationship, Int J Radiat Oncol Biol Phys 1989; **17:** 973
Kim S See **Intenzo CM**
Kim S; Choi C; Groskin SA: esophageal intramural pseudodiverticulitis, Radiology 1989; **173:** 418
Kim SC; Kim KB; Oh CH: diagnostic value of the radioisotope erection penogram for vasculogenic impotence, (ab), Radiology 1991; **180:** 294
Kim SE; Kim DY; Lee DS; et al: absent or faint renal uptake on bone scan: etiology and significance in metastatic bone disease, Clin Nucl Med 1991; **16:** 545
Kim S-G; Ackerman JJH: quantification of regional blood flow by monitoring of exogenous tracer via nuclear magnetic resonance spectroscopy, Magn Res Med 1990; **14:** 266
Kim SH See **Choi BI**
Kim SH See **Kim JH**
Kim SH See **Park JH**
Kim SH See **Yoo S-J**
Kim SH; Choi BI; Lee HP; Kang SB; Choi YM; Han MC; Kim C-W: uterine cervical carcinoma: comparison of CT and MR findings, Radiology 1990; **175:** 45
Kim SH; Han MC; Lee JS; et al: paroxysmal nocturnal hemoglobinuria: case report of MR imaging and CT findings, Acta Radiol 1991; **32:** 315
Kim SH; Hwang HY; Choi BI: case report: uterine metastasis from stomach cancer: radiological findings, Clin Radiol 1990; **42:** 285
Kim SH; Lee SE; Han MC: penile hemangioma: US and MR imaging demonstration, Urol Radiol 1991; **13:** 126
Kim SH; Park JH; Kim YI; et al: experimental tissue damage after subcutaneous injection of water soluble contrast media, Invest Radiol 1990; **25:** 678
Kim SH; Sim S; Lee JS; Choi BI; Kim YG; Han JS; Park JH; Han MC; Kim C-W: hemorrhagic fever with renal syndrome: MR imaging of the kidney, Radiology 1990; **175:** 823
Kim SH; Song IS; Kim JH; et al: retrieval of a guidewire introducer by catheter-capture from the proximal inferior vena cava: technical note, Cardiovasc Intervent Radiol 1991; **14:** 252
Kim SJ See **Lee JD**
Kim SM See **Intenzo CM**
Kim SM; Desai AG; Krakovitz M; et al: scintigraphic evaluation of regional migratory osteoporosis, Clin Nucl Med 1989; **14:** 36
Kim SM; Park CH; Intenzo CM; et al: gallium uptake in trypiophan-related pulmonary disease, J Nucl Med 1991; **32:** 328
Kim SM; Park CH; Intenzo CM; et al: redistribution of crossed cerebellar diaschisis, Clin Nucl Med 1989; **14:** 290
Kim SM; Park CH; Intenzo CM: scintigraphic diagnosis of right ventricular ischemia, Clin Nucl Med 1991; **16:** 407
Kim SM; Park CH; Intenzo CM; et al: thallium-201 imaging in anomalous left coronary artery originating from pulmonary trunk, Clin Nucl Med 1989; **14:** 492
Kim SS See **Intenzo CM**
Kim ST See **Choi BI**
Kim SY See **Raju TNK**
Kim T; Foust RJ; Mojtahedi S: MR imaging of asymptomatic brainstem and spinal cord lesions in sisters with neurofibromatosis, AJNR 1989; **10:** 571
Kim TH See **Pence DM**
Kim TH; McGlave PB; Ramsay N; et al: comparison of two total body irradiation regimens in allogeneic bone marrow transplantation for acute non-lymphoblastic leukemia in first remission, Int J Radiat Oncol Biol Phys 1990; **19:** 889
Kim WS See **Lee KS**
Kim WS; Mun CW; Kim DJ; et al: extraction of cardiac and respiratory motion cycles by use of projection data and its applications to NMR imaging, Magn Res Med 1990; **13:** 25
Kim YC See **Griscom NT**
Kim YG See **Kim SH**
Kim YH See **Ahmad K**
Kim YH See **Lee KS**
Kim Y-H: incidence of deep vein thrombosis after cementless and cemented knee replacement, (ab), Radiology 1991; **178:** 899
Kim YI See **Choi BI**
Kim YI See **Kim SH**
Kim YT See **Ward WF**
Kimball BP; Bui S; Dafopoulos N: changes in diameter of coronary narrowings and translesional hemodynamics after intracoronary nitroglycerin, (ab), Radiology 1991; **179:** 294
Kimball TR See **Cyran SE**
Kimizu K See **Tonami H**
Kimler BF See **Evans RG**
Kimler BF See **Norton S**
Kimler BF See **Smalley SR**
Kimler BF; Martin DF; Evans RG; et al: combination of radiation therapy and intracranial bleomycin in the 9L rat brain tumor model, Int J Radiat Oncol Biol Phys 1990; **18:** 1115
Kimmel M See **Lieberman PH**
Kimme-Smith C See **Bassett LW**
Kimme-Smith C See **Ragavendra N**
Kimme-Smith C See **Sickles EA**
Kimme-Smith C See **Tessler FN**
Kimme-Smith C; Bassett LW; Gold RH; et al: digital mammography: a comparison of two digitization methods, Invest Radiol 1989; **24:** 869
Kimme-Smith C; Bassett LW; Gold RH; et al: new mammography screen/film combinations: imaging characteristics and radiation dose, AJR 1990; **154:** 713
Kimme-Smith C; Bassett LW; Gold RH; Chow S: increased radiation dose at mammography due to prolonged exposure, delayed processing, and increased film darkening, Radiology 1991; **178:** 387
Kimme-Smith C; Duerinckx AJ; Kaiser S; Jones JP; Tessler FN; Bassett LW: frequency measurements in real-time US equipment: variations from expected values, Radiology 1989; **172:** 449
Kimme-Smith C; Gold RH; Bassett LW; et al: diagnosis of breast calcifications: comparison of contact, magnified, and television-enhanced images, AJR 1989; **153:** 963
Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E: assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Radiology 1990; **177:** 265
Kimme-Smith C; Rothschild PA; Bassett LW; et al: mammographic film-processor temperature, development time, and chemistry: effect on dose, contrast, and noise, AJR 1989; **152:** 35
Kimmey M See **Shaw DWW**
Kimmey MB See **Martin RW**
Kimmey MB; Wang KY; Haggitt RC; et al: diagnosis of inflammatory bowel disease with ultrasound: an in vitro study, Invest Radiol 1990; **25:** 1085

Kimmich R See **Knüttel A**
Kimmich R See **Rommel E**
Kimmich R See **Schnur G**
Kimmig B See **Strauss LG**
Kimmig BN See **Engenhart R**
Kimura A; Makuuchi M; Takayasu K; et al: ciliated hepatic foregut cyst with solid tumor appearance on CT, JCAT 1990; **14:** 1016
Kimura F; Kim KS; Friedman H; et al: MR imaging of the normal and abnormal clivus, AJNR 1990; **11:** 1015
Kimura F; Kim KS; Friedman H; et al: MR imaging of the normal and abnormal clivus, AJR 1990; **155:** 1285
Kimura I See **Okajima K**
Kimura I See **Togashi K**
Kimura I; Togashi K; Tsutsui K; et al: MR imaging of gynecologic lymphoma, JCAT 1991; **15:** 500
Kimura K See **Kashiwagi T**
Kimura K; Hashikawa K; Etani H; et al: new apparatus for brain imaging: four-head rotating gamma camera single-photon emission computed tomograph, J Nucl Med 1990; **31:** 603
Kimura M See **Kadoya M**
Kimura M See **Yokoyama K**
Kimura S See **Sukigara M**
Kimura T See **Kawasaki T**
Kimura T See **Tamada T**
Kinare AS; Ambardekar ST; Pande SA: sonographic diagnosis of splenic torsion in a spleen situated in the left uper quadrant, JCU 1990; **18:** 586
Kinasewitz GT See **Owens MW**
Kindlund A See **Ponomar E**
Kindwall EP See **Fueredi GA**
Kindynis P See **Goto M**
Kindynis P See **Haller J**
Kindynis P See **Kang HS**
Kindynis P; Haller J; Kang HS; Resnick D; Sartoris DJ; Trudell D; Tyson R: osteophytosis of the knee: anatomic, radiologic, and pathologic investigation, Radiology 1990; **174:** 841
Kindynis P; Resnick D; Kang HS; Haller J; Sartoris DJ: demonstration of the scapholunate space with radiography, Radiology 1990; **175:** 278
King AR See **Moore TE**
King B See **Cotes JE**
King BF See **Bell DG**
King BF See **Berquist TH**
King BF See **Binkovitz LA**
King BF See **Kriegshauser JS**
King BF See **Quam JP**
King BF; Hattery RR: ultrasound case of the day, Radiographics 1990; **10:** 1101
King BF; Hattery RR; Lieber MM; Berquist TH; Williamson B Jr; Hartman GW: congenital cystic disease of the seminal vesicle, Radiology 1991; **178:** 207
King BF; Hattery RR; Lieber MM; Williamson B Jr; Hartman GW; Berquist TH: seminal vesicle imaging, Radiographics 1989; **9:** 653
King BF Jr See **Hattery RR**
King DH See **deSouza NM**
King DL; King DL Jr; Shao MY-C: evaluation of in vitro measurement accuracy of a three-dimensional ultrasound scanner, J Ultrasound Med 1991; **10:** 77
King DL; King DL Jr; Shao MY-C: three-dimensional spatial registration and interactive display of position and orientation of real-time ultrasound images, J Ultrasound Med 1990; **9:** 525
King DL Jr See **King DL**
King DM See **Moody AR**
King DM See **Page JE**
King DW See **Brooks BS**
King FA See **Goodman P**
King GA See **Sagerman RH**
King JB See **Davies SG**
King JB; Perry DJ; Kumar SJ: lesions of the patellar ligament, (ab), Radiology 1990; **177:** 294
King JG See **Stigers KB**
King JL See **Gur D**
King JN See **Kelsey CA**
King JN; Orrison WW; Davis M; et al: percutaneous choledochoscopic choledocholithotomy in Caroli's disease, Gastrointest Radiol 1990; **15:** 137
King JN; Orrison WW; Keck GM; Demarest GB; Hinson JE; Sell JJ: arteriography with portable DSA equipment, Radiology 1989; **172:** 1023
King K See **Doyle T**
King MA See **Knesaurek K**
King MD; van Bruggen N; Ahier RG; et al: diffusion-weighted imaging of kainic acid lesions in the rat brain, Magn Res Med 1991; **20:** 158
King PS See **Clark RA**
King PS See **Suslavich FJ**
King S See **Manson D**
King SB III See **Wexler L**
King SJ; Haigh SF: technical report: digital subtraction dacryocystography, Clin Radiol 1990; **42:** 351
King T See **Davis SD**
King WA See **Roper SN**
Kingma LM See **Bleichrodt RP**
Kingsley D See **Kendall B**
Kingsley DPE See **Byrne JV**
Kingsley DPE See **Scatliff JH**
Kingsley DPE; Butler P; Rowe GM; et al: digital subtraction angiography (DSA): work load and financial implications for a neuroradiology department, Neuroradiol 1989; **31:** 240
Kingsley DPE; Dale G; Wallis A: simple technique for head repositioning in CT scanning, Neuroradiol 1991; **33:** 243
Kingston GW See **Hassell PR**
Kingston HM; Freeman JS; Hall CM: new lethal sclerosing bone dysplasia, Skeletal Radiol 1991; **20:** 117
Kinn A-C See **Nordenström BEW**
Kinn RM; Breisblatt WM: cortical blindness after coronary angiography: a rare but reversible complication, (ab), JVIR 1991; **2:** 416
Kinne D See **McCormick B**
Kinne DW See **Dershaw DD**
Kinne RKH See **Jans AWH**
Kinnison ML See **Kaufman SL**
Kinnison ML See **Powe NR**
Kinnison ML; Powe NR; Steinberg EP: results of randomized controlled trials of low- versus high-osmolality contrast media, Radiology 1989; **170:** 381
Kinnunen J See **Pietilä JA**
Kinnunen J; Laasonen EM: posttraumatic lumbar intraspinal extradural-intradural ossification, Neuroradiol 1990; **32:** 160
Kinnunen J; Pietilä J; Ahovuo J; et al: double contrast barium meal and acetylcysteine, Eur J Radiol 1989; **9:** 258
Kinoshita K See **Nakano S**
Kinoshita K See **Shimauchi M**
Kinoshita M See **Iwasaki Y**
Kinsella D See **Goddard P**
Kinsella D; Hamilton A; Goddard P; et al: role of magnetic resonance imaging in cystic fibrosis, Clin Radiol 1991; **44:** 23
Kinsella M; Müller NL; Abboud RT; et al: quantitation of emphysema by computed tomography using a "density mask" program and correlation with pulmonary function tests, (ab), Radiology 1990; **176:** 887
Kinsella M; Müller NL; Vedal S; et al: emphysema in silicosis: a comparison of smokers with nonsmokers using pulmonary function testing and computed tomography, (ab), Radiology 1991; **178:** 291
Kinsella SH See **DeMaio SJ Jr**
Kinsella TJ See **Fornace AJ Jr**
Kinsella TJ See **Mehta MP**
Kinsella TJ See **Speth PA**
Kinsella TJ See **Young MM**
Kinsella TJ; DeLuca AM; Barnes M; et al: threshold dose for peripheral neuropathy following intraoperative radiotherapy (IORT) in a large animal model, Int J Radiat Oncol Biol Phys 1991; **20:** 697
Kinsella TJ; Gould MN; Mulcahy RT; et al: keynote address: integration of cytostatic agents and radiation therapy: a different approach to "proliferating" human tumors, Int J Radiat Oncol Biol Phys 1991; **20:** 295
Kinsella TJ; Miser JS; Waller B; et al: long-term follow-up of Ewing's sarcoma of bone treated with combined modality therapy, Int J Radiat Oncol Biol Phys 1991; **20:** 389
Kinser JA; Roesler H; Furrer T; et al: nonimmunogenic hyperthyroidism: cumulative hypothyroidism incidence after radioiodine and surgical treatment, J Nucl Med 1989; **30:** 1960
Kinuya K See **Matsuda H**
Kinuya S See **Aburano T**
Kioumehr F; Cochran ST; Layfield L; et al: Wilms tumor (nephroblastoma) in the adult patient: clinical and radiologic manifestations, AJR 1989; **152:** 299
Kioumehr F; Rooholamini SA; Yaghmai I; et al: giant-cell tumor of the sphenoid bone: case report and review of the literature, J Canad Assoc Radiol 1990; **41:** 155
Kioumehr F; Yaghmai I; Bakody P: delayed common femoral artery stenosis due to blunt trauma, J Canad Assoc Radiol 1989; **40:** 324
Kiproff PM See **Strickland SK**
Kiproff PM; Deeb ZL; Contractor FM; et al: magnetic resonance characteristics of the LGM vena cava filter: technical note, Cardiovasc Intervent Radiol 1991; **14:** 254
Kir KAA See **Rostand SG**
Kir KM See **Collier BD**
Kir KM; Krasnow AZ; Isitman AT; et al: false-negative radionuclide cisternography in massive communicating hydrocephalus: value of the vertex view and CT correlation, Clin Nucl Med 1989; **14:** 819
Kir M See **Aktolun C**
Kircher BJ; Himelman RB; Schiller NB: noninvasive estimation of right atrial pressure from the inspiratory collapse of the inferior vena cava, (ab), Radiology 1991; **178:** 898
Kircher K: on *opera magna* and the value of a classical education, Radiology 1989; **173:** 879
Kirchgessner H See **Matzku S**
Kirchner FK Jr See **Kaufman AJ**
Kirchner PT See **Seabold JE**
Kirchner SG See **Hernanz-Schulman M**
Kirchner SG See **Stein SM**
Kirchner SG; Hernanz-Schulman M; Stein SM; Wright PF; Heller RM: imaging of pediatric mediastinal histoplasmosis, Radiographics 1991; **11:** 365
Kirk JME; Dicks-Mireaux C: difficulties in diagnosis of congenital H-type tracheo-oesophageal fistulae, Clin Radiol 1989; **40:** 150
Kirk JS See **Comstock CH**
Kirk JS See **Jurcak-Zaleski S**
Kirk JS; Comstock CH: antenatal sonographic appearance of spondyloepiphyseal dysplasia congenita, J Ultrasound Med 1990; **9:** 173
Kirk LM See **Mootz AR**
Kirkbride P; Plowman PN: platinum chemotherapy, radiotherapy and the inner ear: implications for "standard" radiation portals, Br J Radiol 1989; **62:** 457
Kirkegaard J See **Lindelöv B**
Kirkham TH See **Abdollah A**
Kirkman HN See **Katz VL**
Kirkpatrick AE See **Dent DM**
Kirkpatrick AE See **Law J**
Kirkpatrick AE See **Stevenson AJM**
Kirkpatrick DV See **Murayama S**
Kirkpatrick JB See **Hayman LA**
Kirks DR See **Forman HP**
Kirks DR See **Patterson RJ**
Kirks DR See **Renner WR**
Kirks DR See **Shiels WE II**
Kirks DR See **Strife JL**
Kirks DR; Ball WS Jr; Bisset GS III; McAlister WH; Miller JH; Slovis TL; Wood BP: pediatric radiology. RSNA '89 meeting notes, Radiology 1990; **174:** 600
Kirks DR; Ball WS Jr; Bisset GS III; Miller JH; Slovis TL: pediatric radiology. RSNA '88 meeting notes, Radiology 1989; **170:** 600
Kirks DR; Kaufman RA: function within mesoblastic nephroma: imaging—pathologic correlation, Pediatr Radiol 1989; **19:** 136
Kirks DR; Ringertz H: "International Pediatric Radiology '91", Radiology 1990; **176:** 878
Kirkwood R See **Zu'bi SM**
Kirpekar M See **Abiri MM**
Kirpekar M; Augenstein H; Abiri M: sequential development of multiple aortic aneurysms in a neonate post umbilical arterial catheter insertion, Pediatr Radiol 1989; **19:** 452
Kirsch CFE See **Gean-Marton AD**
Kirsch C-M See **Seiderer M**
Kirsch C-M See **Tatsch K**
Kirsch JD; Escarous A: CT diagnosis of traumatic pericardium rupture, JCAT 1989; **13:** 523
Kirsch JE See **Runge VM**
Kirsch MD; Donaldson JS; Kaplan WE: MR appearance of subureteric injection of Teflon to correct vesicoureteral reflux, JCAT 1990; **14:** 673
Kirschenbaum ER See **Zuckier LS**
Kirschner PA See **Mendelson DS**
Kirsh MM See **Williams DM**
Kirshenbaum KJ See **Madayag MA**
Kirshenbaum KJ; Nadimpalli SR; Friedman M; et al: benign lymphoepithelial parotid tumors in AIDS patients: CT and MR findings in nine cases, AJNR 1991; **12:** 271
Kirshenbaum KJ; Nadimpalli SR; Friedman M; et al: benign lymphoepithelial parotid tumors in AIDS patients: CT and MR findings in nine cases, AJR 1991; **156:** 1253
Kirshenbaum KJ; Warner JJ; Nadimpalli SR; et al: endometriosis of the right fallopian tube mimicking appendicitis on sonography, J Ultrasound Med 1990; **9:** 57
Kirshy DM; Pollack AH; Becker JA; Horowitz M: autourethrography, Radiology 1991; **180:** 443
Kishi K See **Yamada R**
Kishikawa T See **Ikezaki K**
Kishore S; Feingold E: designing a flexible user interface for both users and programmers, Comput Med Imag Graph 1989; **13:** 105
Kisiel B See **Millward SF**
Kislak S See **Hill LM**
Kissane JM See **McAlister WH**
Kissling GE See **Miller JM Jr**
Kisslo KB See **Sheikh KH**
Kisslo KB See **Skelton TN**
Kister SJ See **Komaki R**
Kistler AM See **Willigress ER**
Kistler AM; Ziessman HA; Gooch D; et al: morphine-augmented cholescintigraphy in acute cholecystitis: a satisfactory alternative to delayed imaging, Clin Nucl Med 1991; **16:** 404

Kistler D See **Günther RW**
Kita K See **Ebara M**
Kita M See **Okawa T**
Kita N See **Akira M**
Kitagawa K See **Matsui O**
Kitagawa K; Matsui O; Kadoya M; Takashima T; Kawamori Y; Yamahana T; Kidani H; Hirano M; Masuda S; Nakanuma Y; Haratake J: hepatocellular carcinomas with excessive copper accumulation: CT and MR findings, Radiology 1991; **180:** 623
Kitagawa K; Yamahana T; Hirano S; et al: MR imaging of neurilemoma arising from the renal hilus, JCAT 1990; **14:** 830
Kitagawa S See **Fukuya T**
Kitakabu Y; Shibamoto Y; Sasai K; et al: variations of the hypoxic fraction in the SCC VII tumors after single dose and during fractionated radiation therapy: assessment without anesthesia or physical restraint of mice, Int J Radiat Oncol Biol Phys 1991; **20:** 709
Kitamura I See **Otsuji H**
Kitamura K See **Iwasaki S**
Kitamura K; Nibu K; Asai M; et al: chondromyxoid fibroma of the mastoid invading the occipital bone, (ab), Radiology 1989; **173:** 887
Kitamura S See **Otsuji H**
Kitamura T See **Tanaka S**
Kitanaka C; Shitara N; Nakagomi T; et al: postradiation astrocytoma: report of two cases, (ab), Radiology 1989; **173:** 590
Kitani H; Kosaka T; Fujihara T; et al: "recall effect" in radiotherapy: is subeffective, reparable damage involved?, Int J Radiat Oncol Biol Phys 1990; **18:** 689
Kitaoka H; Yumoto T: three-dimensional CT of the bronchial tree: a trial using an inflated fixed lung specimen, Invest Radiol 1990; **25:** 813
Kitchener MI; Chapman IM: subacute thyroiditis: a review of 105 cases, Clin Nucl Med 1989; **14:** 439
Kitchens HH See **Lee SH**
Kitsuki H See **Okazaki M**
Kittelson JM See **Shimm DS**
Kittle CF See **Faber LP**
Kiuru A See **Svedström EJ**
Kiuru A; Svedström E; Kuuluvainen I: dynamic imaging of pulmonary ventilation: description of a novel digital fluoroscopic system, Acta Radiol 1991; **32:** 114
Kivisaari L See **Brander A**
Kiyono K; Sone S; Izuno I; et al: size of normal hilar lymph nodes measured in autopsy specimens, Acta Radiol 1989; **30:** 471
Kjaer L; Thomsen C; Henriksen O: evaluation of biexponential relaxation behaviour in the human brain by magnetic resonance imaging, Acta Radiol 1989; **30:** 433
Kjaer M: misteltoe (iscador) therapy in stage IV renal adenocarcinoma: a phase II study in patients with measurable lung metastases, Acta Oncol 1989; **28:** 489
Kjaer SK; Knudsen JB; Sørensen BL; et al: Copenhagen case-control study of bladder cancer. V. review of the role of urinary-tract infection, Acta Oncol 1989; **28:** 631
Kjaersgaard-Andersen P See **Schmidt SA**
Kjellberg RN See **Edelman RR**
Kjellén E See **Lybak S**
Kjellgren K See **Nissen-Meyer R**
Kjellgren K; Nissen-Meyer R; Norin T: perioperative adjuvant chemotherapy in breast cancer: the Scandinavian Adjuvant Chemotherapy Study 1, Acta Oncol 1989; **28:** 899
Kjellgren O See **Bäckström T**
Kjellgren O See **Sorbe B**
Kjellin I; Ho CP; Cervilla V; Haghighi P; Kerr R; Vangness CT; Friedman RJ; Trudell D; Resnick D: alterations in the supraspinatus tendon at MR imaging: correlation with histopathologic findings in cadavers, Radiology 1991; **181:** 837
Kjerulff KH; Salloway JC; Counte MA: impact of computer systems in a medical environment, Comput Med Imag Graph 1989; **13:** 137
Kjøller E; Pedersen F; Svendsen TL; et al: microvascular right-to-left pulmonary shunt demonstrated by a radionuclide method, J Nucl Med 1991; **32:** 139
Kjølseth D See **Hansen ES**
Kjørstad K See **Lien HH**
Kjos BO See **Aoki S**
Kjos BO See **Barkovich AJ**
Kjos BO See **Okada Y**
Kjos BO; Umansky R; Barkovich AJ: brain MR imaging in children with developmental retardation of unknown cause: results in 76 cases, AJNR 1990; **11:** 1035
Klajman S See **Wein BB**
Klapper PE See **Cleator GM**
Klatt EC See **Radin DR**
Klatte EC See **Don S**
Klatte EC See **Kopecky KK**
Klaus E See **Duvoisin B**
Klauss V See **Mudra H**
Klaveness J See **Leander P**
Klaveness J See **Wang S-c**
Klawans HK: chorea: whither comest it?, AJNR 1991; **12:** 77
Klech H See **Köhn H**
Klee GG See **Ahlquist DA**
Kleefield J See **Edelman RR**
Kleefield J See **Mattle HP**
Klefström P; Nuortio L: levamisole in the treatment of advanced breast cancer: a ten-year follow-up of a randomized study, Acta Oncol 1991; **30:** 347
Kleiman M See **Cohen MD**
Kleiman N See **Hsia J**
Klein A; Carson GC; Novelline RA; et al: current status of faculty staffing and resident training in emergency radiology: results of a survey, Invest Radiol 1991; **26:** 86
Klein BE See **Karimeddini MK**
Klein E See **Kuske RR**
Klein GE See **Lammer J**
Klein HA See **Abdel-Nabi HH**
Klein HA See **Greenler DP**
Klein HA: effect of projection in esophageal transit scintigraphy, Clin Nucl Med 1990; **15:** 157
Klein J; Gamsu G: high resolution computed tomography of diffuse lung disease, Invest Radiol 1989; **24:** 805
Klein JD See **Baker ND**
Klein JL; Garcia EV; DePuey EG; et al: reversibility bull's-eye: a new polar bull's-eye map to quantify reversibility of stress-induced SPECT thallium-201 myocardial perfusion defects, J Nucl Med 1990; **31:** 1240
Klein J-P See **Bleichrodt RP**
Klein JS See **Chaffey MH**
Klein JS See **Gamsu G**
Klein JS See **Park C-K**
Klein JS See **Saxon RR**
Klein JS; Warnock M; Webb WR; et al: cavitating and noncavitating granuloma in AIDS patients with *Pneumocystis* pneumonitis, AJR 1989; **152:** 753
Klein LA; Lemming B: balloon dilatation for prostatic obstruction: long-term follow-up, (ab), Radiology 1989; **173:** 291
Klein LW See **Gomberg J**
Klein LW See **Noveck HD**
Klein M See **Palestro CJ**
Klein MA See **Jacobs IG**
Klein MA; Kelly JK; Jacobs IG: diffuse pneumocephalus from *Clostridium perfringens* meningitis: CT findings, AJNR 1989; **10:** 447
Klein MA; Slovis TL; Chang C-H; et al: sonographic and Doppler features of infantile hepatic hemangiomas with pathologic correlation, J Ultrasound Med 1990; **9:** 619
Klein MA; Winalski CS; Wax MR; et al: MR imaging of septic sacroiliitis, JCAT 1991; **15:** 126
Klein MH; Desai P: case report 637, Skeletal Radiol 1990; **19:** 545
Klein MJ See **Abdelwahab IF**
Klein MJ See **Hermann G**
Klein MJ See **Norton KI**
Klein MV See **Schwaighofer BW**
Klein MV; Schwaighofer BW; Sobel DF; et al: heterotopic brain in the middle ear: CT findings, JCAT 1989; **13:** 1058
Klein MV; Schwaighofer BW; Sobel DF; et al: primary myxoma of the posterior fossa, Neuroradiol 1990; **32:** 250
Klein RM See **Mehall CJ**
Klein RM See **Miller PR**
Klein RM: chest radiology: plain film patterns and differential diagnoses. 2d ed, Radiology 1989; **171:** 400
Klein RM: computed tomography of the chest: a teaching file, Radiology 1989; **171:** 390
Klein RM: cross-sectional analysis of the chest and abdominal wall, Radiology 1990; **175:** 22
Klein S; Johs S; Fujitani R; et al: hematuria following blunt abdominal trauma: the utility of intravenous pyelography, (ab), Radiology 1989; **171:** 588
Klein S; Mayer L; Present DH; et al: extraintestinal manifestations in patients with diverticulitis, (ab), Radiology 1989; **170:** 286
Kleinau H See **Rotte KH**
Kleineberg B; Becker H; Gaab MR: neurovascular compression and essential hypertension: an angiographic study, Neuroradiol 1991; **33:** 2
Kleinert R See **Lammer J**
Kleinhoffer MA See **Bower BL**
Kleinhoffer MA See **Hicks ME**
Kleinhoffer MA See **Picus D**
Kleinman CS See **Copel JA**
Kleinman G See **Jeanty P**
Kleinman PK: diagnostic imaging in infant abuse, AJR 1990; **155:** 703
Kleinman PK: differentiation of child abuse and osteogenesis imperfecta: medical and legal implications, AJR 1990; **154:** 1047
Kleinman PK: Schmid-like metaphyseal chondrodysplasia simulating child abuse, AJR 1991; **156:** 576
Kleinman PK; Belanger PL; Karellas A; et al: normal metaphyseal radiologic variants not to be confused with findings of infant abuse, AJR 1991; **156:** 781
Kleinman PK; Genieser N: battered child, (ab), Radiology 1991; **178:** 591
Kleinman PK; Marks SC Jr; Spevak MR; et al: extension of growth-plate cartilage into the metaphysis: a sign of healing fracture in abused infants, AJR 1991; **156:** 775
Kleinman PK; Spevak MR: advanced pediatric joint imaging, Radiol Clin North Am 1990; **28:** 1073
Kleinman PK; Spevak MR: variations in acromial ossification simulating infant abuse in victims of sudden infant death syndrome, Radiology 1991; **180:** 185
Kleinman PK; Waite RJ; Cohen IT; Hirsh MP; Belanger PL: atretic esophagus: transgastric balloon-assisted hydrostatic dilation, Radiology 1989; **171:** 831
Klemp PF See **Burton MA**
Klemp PFB See **Fox RA**
Klepetko W See **Müller C**
Klepetko W See **Schurawitzki H**
Klepp O See **Gundersen S**
Klepp O See **Rinck PA**
Klepp R; Lønning PE; Kvinnsland S: plasma estrone and estrone sulphate in breast cancer patients treated with the aromatase inhibitor CGS 16949A, Acta Oncol 1990; **29:** 469
Kleshinski S See **Simon M**
Kletter K See **Jung M**
Kletzel M See **Stephenson CA**
Kliauga P; Horton J; Stafford P: microdosimetry of a 42 MeV therapy neutron beam, Int J Radiat Oncol Biol Phys 1989; **16:** 845
Klibanov A See **Khaw B-A**
Klibanov AL See **Danilov SM**
Klibanski A See **Mayo-Smith W**
Kliewer MA See **Warren LP Jr**
Kliewer MA; Carroll BA: ultrasound case of the day, Radiographics 1991; **11:** 159
Kliewer MA; Carroll BA: ultrasound case of the day, Radiographics 1991; **11:** 336
Kliewer MA; Carroll BA: ultrasound case of the day, Radiographics 1991; **11:** 504
Kliewer MA; Woodruff WW III; Bowie JD: mucinous cystadenoma simulating renal transplant lymphocele, JCU 1989; **17:** 119
Klimek E; Fournier D; Montanera W; et al: selective transfemoral cerebral angiography of the rabbit: technique and applications, J Neuroradiol 1990; **17:** 20
Klin B See **Verstandig AG**
Kline ME; Patel BU; Agosti SJ: noninfiltrating angiolipoma of the mediastinum, Radiology 1990; **175:** 737
Kline RA; Negendank WG; McCoy LE; et al: MRI quantitation of edema in focal cerebral ischemia in cats: correlation with cytochrome aa_3 oxidation state, Magn Res Med 1990; **13:** 319
Kline RM Jr; Hertzer NR; Beven EG; et al: surgical treatment of brachial artery injuries after cardiac catheterizatio, (ab), JVIR 1990; **1:** 135
Kling GA See **Endress C**
Kling GA See **Jacobs IG**
Kling GA See **Roszler MH**
Kling P See **Coenen HH**
Klinge J; Mali WPTM; Puijlaert CBAJ; Geyskes GG; Becking WB; Feldberg MAM: percutaneous transluminal renal angioplasty: initial and long-term results, Radiology 1989; **171:** 501
Klingensmith WC III; Turner WM: cholescintigraphy for acute cholecystitis: false positive results caused by chronic cholecystitis, Gastrointest Radiol 1990; **15:** 129
Klingler JW; Begeman MS; Fraker TD Jr; et al: automatic detection of inter-frame motion in echocardiographic images, Ultrasound Med Biol 1989; **15:** 683
Kling-Petersen T See **Åhlund L**
Klink JF See **Conces DJ Jr**
Klinken L See **Pedersen H**
Klipstein RH See **Firmin DN**
Klivényi G See **Schuhmacher J**
Kloetzsch C See **Steinke W**
Kloiber R See **Blair K**
Klominek J See **Svensson C**
Klonecke AS See **Terris MK**
Klonecke AS; Licho R; McDougall IR: technique for intraoperative bone scintigraphy: a report of 17 cases, Clin Nucl Med 1991; **16:** 482
Klonecke AS; Petersen MM; McDougall IR: thyrotoxicosis with low thyroidal uptake of radioiodine, Semin Nucl Med 1990; **20:** 364
Klooswijk AIJ See **van Overhagen H**
Klöppel G; Maillet B: classification and staging of pancreatic nonendocrine tumors, Radiol Clin North Am 1989; **27:** 105

Kloppenborg PW See **Huysmans DA**
Klos DS See **Fox SA**
Klose KC See **Gehl H-B**
Klose KC See **Günther RW**
Klose KC See **Vorwerk D**
Klose K-C; Mertens R; Alzen G; et al: CT-guided percutaneous large-bore biopsies in benign and malignant pediatric lesions, Cardiovasc Intervent Radiol 1991; **14:** 78
Klose U See **Grodd W**
Klose U See **König H**
Klose U See **Sieverding L**
Klose U: *in vivo* proton spectroscopy in presence of eddy currents, Magn Res Med 1990; **14:** 26
Klose U; Grodd W; Kölbel G: selective chemical imaging with a three-dimensional gradient echo sequence, JCAT 1989; **13:** 724
Klose U; Nägele T; Grodd W; Petersen D: variation of contrast between different brain tissues with an MR snapshot technique, Radiology 1990; **176:** 578
Klosok J See **Stuttle AWJ**
Klotman PE See **Dunnick NR**
Klotman PE See **Roubidoux MA**
Klotz E See **Kalender WA**
Klotz LH; Egerdie RB; Herschorn S: migrating suture masquerading as a renal pelvic carcinoma: an unusual complication of the Kock pouch, Urol Radiol 1989; **11:** 100
Klotz PG See **Buckspan MB**
Kløw N-E; Hevrøy O; Dale K; et al: effects of contrast media on myocardial function during acute left ventricular failure in the dog, Invest Radiol 1990; **25:** 41
Kløw N-E; Hevrøy O; Mortensen E; et al: low osmolality contrast media and metabolic changes in the myocardium during free and reduced coronary flow in the dog, Invest Radiol 1990; **25:** 127
Kløw NE; Mortensen E; Refsum H: left ventricular systolic and diastolic function during coronary arteriography before and after acute left ventricular failure in dogs: a comparison between iodixanol, iohexol and ioxaglate, Acta Radiol 1991; **32:** 124
Klucznik RP See **Heilman CB**
Klühs L See **Rotte KH**
Kluskens LF See **Dowlatshahi K**
Knapp HR See **Braden GA**
Knapp JF See **Dolan MA**
Knapp K See **González del Pino J**
Knapp PH See **Yankelevitz DF**
Knapp RC See **Einhorn N**
Knapp RH See **Pilgram TK**
Knapp RH See **Vannier MW**
Knecht LB See **McEachron DL**
Knecht R See **Hess CF**
Knechtges TE See **Fueredi GA**
Knechtle SM; Davidoff AM; Rice RP: pneumatosis intestinalis: surgical management and clinical outcome, (ab), Radiology 1991; **178:** 586
Kneeland JB See **Chan TW**
Kneeland JB See **Erickson SJ**
Kneeland JB See **Grist TM**
Kneeland JB See **Hendrix LE**
Kneeland JB See **Hyde JS**
Kneeland JB See **Modl JM**
Kneeland JB See **Murphy WA Jr**
Kneeland JB; Hyde JS: high-resolution MR imaging with local coils, Radiology 1989; **171:** 1
Knegt PPM See **Levendag PC**
Kneller RW See **Blot WJ**
Knelson M See **Goldberg REA**
Knepper L; Biller J; Adams HP Jr; et al: MR imaging of basilar artery occlusion, JCAT 1990; **14:** 32
Knepper LE See **Barloon TJ**
Knesaurek K; King MA; Glick SJ; et al: investigation of causes of geometric distortion in 180° and 360° angular sampling in SPECT, J Nucl Med 1989; **30:** 1666
Knickerbocker WJ See **Flak B**
Knierim DS See **Coates TL**
Knight CJ See **Rousseau HP**
Knight CT See **Beltran J**
Knight GF: magnetic resonance imaging: basic principles. 2d ed, Radiology 1989; **172:** 486
Knight GF: quality assurance and image artifacts in magnetic resonance imaging, Radiology 1989; **172:** 340
Knight LC See **Maurer AH**
Knight LC: radiopharmaceuticals for thrombus detection, Semin Nucl Med 1990; **20:** 52
Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ: Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Radiology 1989; **173:** 163
Knight MR See **Hauser RA**
Knight N: seventy-five years of the RSNA, approaching a century of radiology: museum and information resources, Radiographics 1989; **9:** 1101
Knight RSG See **Smith DF**
Knighton DR; Fiegel VD: regulation of cutaneous wound healing by growth factors and the microenvironment, Invest Radiol 1991; **26:** 604
Knighton R See **Zwiebel WJ**
Knighton RA See **Rose SC**
Knighton RA; Priest DL; Zwiebel WJ; Lawrence PF; Miller FJ; Rose SC: techniques for color flow sonography of the lower extremity, Radiographics 1990; **10:** 775
Knipe KL See **Giddings NA**
Knippel E See **Rychly J**
Knobel B See **Chamovitz DL**
Knodel A See **Kollef MH**
Knoefel WT See **Kammer B**
Knol JA See **Andrews JC**
Knop J; Delling G; Heise U; et al: scintigraphic evaluation of tumor regression during preoperative chemotherapy of osteosarcoma: correlation of ^{99m}Tc-methylene diphosphonate parametric imaging with surgical histopathology, Skeletal Radiol 1990; **19:** 165
Knopp EA; Chynn KY: spontaneous expulsive choroidal hemorrhage: CT findings, AJNR 1990; **11:** 1208
Knosp E See **Steiner E**
Knowles DM; Chamulak GA; Subar M; et al: lymphoid neoplasia associated with the acquired immunodeficiency syndrome (AIDS): the New York University Medical Center experience with 105 patients (1981-1986), (ab), Radiology 1989; **170:** 295
Knowles JF; Nimmon CC: functional changes in the irradiated rat ureter: assessment by transit-time renography, Br J Radiol 1989; **62:** 87
Knowles MC See **Kuhlman JE**
Knowles MC; Fishman EK; Kuhlman JE; Bayless TM: transient intussusception in Crohn disease: CT evaluation, Radiology 1989; **170:** 814
Knowles MC; Magid D; Fishman EK; et al: case report 612, Skeletal Radiol 1990; **19:** 299
Knowles S See **Lawton PA**
Knox AM See **Belli A-M**
Knox AM See **Jones DN**
Knox AM; Brophy BP; Sage MR: case report: cerebral venous thrombosis in association with hormonal supplement therapy, Clin Radiol 1990; **41:** 355
Knox AM; Donovan DA; Wilkinson MR: CT appearances of jejunojejunal intussusception, Australas Radiol 1990; **34:** 264
Knox AM; Fon GT; Orell S: fine needle aspiration in the chest under CT control, Australas Radiol 1991; **35:** 152
Knox SJ See **Corn BW**
Knubovets TL; Revazov AV; Sibeldina LA; et al: ^{23}Na NMR measurement of the maximal rate of active sodium efflux from human red blood cells, Magn Res Med 1989; **9:** 261
Knudsen JB See **Kjaer SK**
Knudson GJ; Wiedmeyer DA; Erickson SJ; et al: color Doppler sonographic imaging in the assessment of upper-extremity deep venous thrombosis, AJR 1990; **154:** 399
Knudson RJ; Standen JR; Kaltenborn WT; et al: expiratory computed tomography for assessment of suspected pulmonary emphysema, (ab), Radiology 1991; **181:** 909
Knuechel R See **Adam G**
Knüttel A; Kimmich R: double-quantum filtered volume-selective NMR spectroscopy, Magn Res Med 1989; **10:** 404
Knüttel A; Kimmich R: single-scan volume-selective editing of NMR spectra with the aid of a split-pathway technique for homonuclear applications, Magn Res Med 1989; **10:** 411
Knüttel A; Kimmich R: single-scan volume-selective spectral editing by homonuclear polarization transfer, Magn Res Med 1989; **9:** 254
Knüttel A; Kimmich R; Spohn K-H: motion-insensitive volume-selective pulse sequences for direct and proton-detected ^{13}C spectroscopy: detection of glycogen in the human liver *in vivo*, Magn Res Med 1991; **17:** 470
Knutzon R See **Greenspan A**
Knutzon RK; McGahan JP; Salamat MS; Brant WE: fetal cisterna magna septa: a normal anatomic finding, Radiology 1991; **180:** 799
Ko GN; Wilcox BJ; Petracca FM; et al: localization and measurement of neurotransmitter receptors in rat and human brain by quantitative autoradiography, Comput Med Imag Graph 1989; **13:** 37
Ko T-M See **Hsieh F-J**
Ko YT See **Lee DH**
Ko YT See **Lim JH**
Koakutsu M See **Togawa T**
Kobari M; Meyer JS; Ichijo M; et al: cortical and subcortical hyperperfusion during migraine and cluster headache measured by Xe CT-CBF, Neuroradiol 1990; **32:** 4
Kobari M; Meyer JS; Ichijo M; et al: leukoaraiosis: correlation of MR and CT findings with blood flow, atrophy, and cognition, AJNR 1990; **11:** 273
Kobayashi A See **Kurata C**
Kobayashi A; Sugihara M; Kurosaki M; et al: CT characteristics of intrahepatic, periportal, extramedullary hematopoiesis, JCAT 1989; **13:** 354
Kobayashi E See **Komatsu Y**
Kobayashi H See **Chiba Y**
Kobayashi H See **Inoue H**
Kobayashi H See **Nishimura T**
Kobayashi H; Itoh T; Murata R; et al: pancreatic cavernous hemangioma: CT, MRI, US, and angiography characteristics, Gastrointest Radiol 1991; **16:** 307
Kobayashi H; Sakuma S; Kaii O; et al: computer-assisted conformation radiotherapy with a variable thickness multi-leaf filter, Int J Radiat Oncol Biol Phys 1989; **16:** 1631
Kobayashi K See **Matsui O**
Kobayashi M See **Sakurada K**
Kobayashi S See **Fukuda H**
Kobayashi S See **Ichihashi K**
Kobayashi S See **Okudera H**
Kobayashi Y See **Abe K**
Kobayashi Y See **Hirono N**
Kobayashi Y See **Ueda J**
Kober B See **Müller-Sievers K**
Koblik P See **Yen C-K**
Koblik PD; DeNardo GL; Berger HJ: current status of immunoscintigraphy in the detection of thrombosis and thromboembolism, Semin Nucl Med 1989; **19:** 221
Koblik PD; Hornof WJ; Yen C-K; et al: comparison of shunt fraction estimation using transcolonic iodine-123-iodoamphetamine and technetium-99m-pertechnetate in a group of dogs with experimentally-induced chronic biliary cirrhosis, J Nucl Med 1991; **32:** 124
Kobrine AI: intracranial aneurysms: interventional neurovascular treatment with detachable balloons, Radiology 1991; **178:** 627
Koch AE; Haines GK; Rizzo RJ; et al: human abdominal aortic aneurysms: immunophenotypic analysis suggesting an immune-mediated response, (ab), Radiology 1991; **179:** 590
Koch CJ; Stobbe CC; Hettiaratchi P: combined radiation-protective and radiation-sensitizing agents IV: measurement of intracellular protector concentrations, Int J Radiat Oncol Biol Phys 1989; **16:** 1025
Koch E; Hofer HO; Sialer G; et al: failure of MR imaging to detect reflex sympathetic dystrophy of the extremities, AJR 1991; **156:** 113
Koch KJ See **Harris TM**
Koch KJ; Becker GJ; Edwards MK; et al: intracranial placement of a nasogastric tube, AJNR 1989; **10:** 443
Koch KJ; Smith RR: Gd-DTPA enhancement in MR imaging of central pontine myelinolysis, AJNR 1989; **10:** S58
Koch MO See **Erb RE**
Koch RL: estimation of radiation risk from screening mammography, Radiology 1990; **176:** 877
Koch SR See **Willing SJ**
Kochan JP; Quencer RM: imaging of cystic and cavitary lesions of the spinal cord and canal: the value of MR and intraoperative sonography, Radiol Clin North Am 1991; **29:** 867
Kochanski SC; Burton EM; Seidel FG; et al: neonatal nasopharyngeal hairy polyp: CT and MR appearance, JCAT 1990; **14:** 1000
Kochi M; Mihara Y; Takada A; et al: MRI of subarachnoid dissemination of medulloblastoma, Neuroradiol 1991; **33:** 264
Kochupillai V See **Kumar L**
Koci TM; Chiang F; Chow P; et al: thalamic extrapontine lesions in central pontine myelinolysis, AJNR 1990; **11:** 1229
Koci TM; Renslo R; Marcus CS: incidental skeletal metastases from prostate cancer detected by sulfur colloid liver-spleen imaging, Clin Nucl Med 1989; **14:** 225
Koci TM; Worthen NJ; Phillips JJ; et al: perirenal hemangioendothelioma in a newborn: sonograph and MR findings, JCAT 1989; **13:** 145
Kocjan G See **Griffiths MH**
Kock K See **Andersen PE Jr**
Kodama T See **Tamura S**
Kodama T; Numaguchi Y; Gellad FE; et al: high signal intensity of both putamina in patients with HIV infection, Neuroradiol 1991; **33:** 362
Kodama T; Numaguchi Y; Gellad FE; et al: magnetic resonance imaging of a high cervical intradural lipoma, Comput Med Imag Graph 1991; **15:** 93
Kodama Y See **Fukatsu H**
Koeda T; Suganuma I; Kohno Y; et al: MR imaging of spastic diplegia: comparative study between preterm and term infants, Neuroradiol 1990; **32:** 187

Koehler RE See **Balfe DM**
Koehler RE See **Frank MS**
Koehler RE See **Mulligan SA**
Koelbel G See **Hess CF**
Koelbel G; Schmiedl U; Majer MC; et al: diagnosis of fistulae and sinus tracts in patients with Crohn disease: value of MR imaging, AJR 1989; **152:** 999
Koelbl H; Bernaschek G; Deutinger J: assessment of female urinary incontinence by introital sonography, JCU 1990; **18:** 370
Koenig JC Jr See **Diament MJ**
Koenig SH See **Lundbom N**
Koenig SH See **Tilcock CP**
Koenig SH: cholesterol of myelin is the determinant of gray-white contrast in MRI of brain, Magn Res Med 1991; **20:** 285
Koenig SH; Brown RD III; Spiller M; et al: relaxometry of brain: why white matter appears bright in MRI, Magn Res Med 1990; **14:** 482
Koenigsberg M See **Smith TR**
Koeppe RA See **Sisson JC**
Koerner FC See **Kopans DB**
Koffman CG See **deSouza NM**
Kofler JM Jr; Gray JE: sensitometric responses of selected medical radiographic films, Radiology 1991; **181:** 879
Koga Y See **Yamashita Y**
Kogan BA See **Tzika AA**
Koganemaru F See **Okazaki M**
Kogutt MS; Warren FH; Kalmar JA: low dose imaging of scoliosis: use of a computed radiographic imaging system, Pediatr Radiol 1989; **20:** 85
Koh C-S See **Yang S-O**
Koh W-j See **Rasey JS**
Kohan L See **Murray IPC**
Kohaut EC See **Taylor RS**
Kohchi N See **Morimura T**
Kohl HP See **Lehner KB**
Kohler R See **Mazoyer J-F**
Köhler R; Sousa P; Jorge CS: prenatal diagnosis of the ectrodactyly, ectodermal dysplasia, cleft palate (EEC) syndrome, J Ultrasound Med 1989; **8:** 337
Kohler SJ; Perry SB; Stewart LC; et al: analysis of ^{23}Na NMR spectra from isolated perfused hearts, Magn Res Med 1991; **18:** 15
Kohler TR See **Daiman R**
Kohler TR See **Zierler RE**
Kohli J See **Schmalbrock P**
Köhn H; König B; Klech H; et al: urine excretion of inhaled technetium-99m-DTPA: an alternative method to assess lung epithelial transport, J Nucl Med 1990; **31:** 441
Kohn LA See **Vannier MW**
Kohn MI See **Tanna NK**
Kohn MI; Tanna NK; Herman GT; Resnick SM; Mozley PD; Gur RE; Alavi A; Zimmerman RA; Gur RC: analysis of brain and cerebrospinal fluid volumes with MR imaging: part I. methods, reliability, and validation, Radiology 1991; **178:** 115
Kohn SR See **Cohen PR**
Kohno A See **Ohgi K**
Kohno H See **Nozokido T**
Kohno K See **Katoh Y**
Kohno S See **Nagata Y**
Kohno S See **Okajima K**
Kohno Y See **Koeda T**
Kohorn EI See **Chambers SK**
Kohrt WM See **Staten MA**
Koide H See **Fukuda H**
Koike M See **Kawaguchi K**
Koike S See **Ishii T**
Koike S See **Mukai M**
Koike T See **Hara N**
Koivukangas J See **Alasaarela E**
Koivukangas J; Tervonen O; Alasaarela E; et al: completely computer-focused ultrasound imaging: first clinical imaging results, J Ultrasound Med 1989; **8:** 675
Koizumi J See **Suzuki T**
Koizumi M See **Kawamura Y**
Koizumi M See **Saga T**
Kojima A; Matsumoto M; Takahashi M; et al: effect of spatial resolution on SPECT quantification values, J Nucl Med 1989; **30:** 508
Kojima K See **Abe T**
Kojima K See **Nakata K**
Kojima M See **Abe M**
Kojima R See **Nanakawa S**
Kojima R See **Takahashi M**
Kojima R See **Yamashita Y**
Kojima T See **Horiuchi R**
Kojiro M See **Ito Y**
Kokubo T See **Minami M**
Kokubo T See **Tokumaru A**
Kokubo T See **Yoshida H**
Kokubo T; Takatori Y; Ninomiya S; et al: fat intensity within the hypointense zone on MR imaging of avascular necrosis of the femoral head, JCAT 1991; **15:** 470
Kokubo T; Takatori Y; Okutsu I; et al: MR demonstration of intraosseous beta-2-microglobulin amyloidosis, JCAT 1990; **14:** 1030
Kolawole TM See **Patel PJ**
Kolawole TM; Patel PJ; Mahdi AH: computed tomographic (CT) scans in cerebral palsy (CP), Pediatr Radiol 1989; **20:** 23
Kolb DJ See **Mattox JH**
Kölbel G See **Klose U**
Kölbel G See **Schmiedl U**
Kolbenstvedt A See **Aspestrand F**
Kolbenstvedt A See **Larheim TA**
Kolbenstvedt A; Charania B; Natvig K; et al: computed tomography in T1 carcinoma of the larynx, Acta Radiol 1989; **30:** 467
Kolbenstvedt AN See **Hanssen LE**
Kolbenstvedt AN See **Jakobsen JA**
Kolberg H See **Rosenberg HK**
Kolin E; Mena IG: cholescintigraphy in AIDS-related cholangitis: a case report, Clin Nucl Med 1990; **14:** 725
Kolker JD; Halpern HJ; Krishnasamy S; et al: "instant-mix" whole brain photon with neutron boost radiotherapy for malignant gliomas, Int J Radiat Oncol Biol Phys 1990; **19:** 409
Kolla IS; Alazraki NP; Watts NB: sialadenitis mimicking metastatic thyroid carcinoma, Clin Nucl Med 1989; **14:** 564
Kolla IS; Luna E; Alazraki NP: hepatic localization of Tc-99m MAA during lower extremity venography, Clin Nucl Med 1989; **14:** 433
Kollath J See **Vallbracht C**
Kollef MH; Peller T; Knodel A; et al: delayed pleuropulmonary complications following coronary artery revascularization with the internal mammary artery, (ab), Radiology 1989; **170:** 900
Kolmannskog F See **Abildgaard A**
Kolni H See **Currarino G**
Kolodinsky SD; Brandschwei FH: axillary vein thrombosis in a female backpacker: Paget-Schroetter syndrome, J Canad Assoc Radiol 1989; **40:** 230
Kolodny GM See **Front D**
Kolodny NH See **Minichiello MM**
Kolozsi WZ See **Fink-Bennett D**
Kolstad P See **Overgaard J**
Költringer P See **Lind P**
Koltun W See **Gardiner GA Jr**
Komaki K See **Imai S**
Komaki R See **Durci ML**
Komaki R; Cox JD; Kister SJ; Gump FE; Estabrook A: stage I and II breast carcinoma: treatment with limited surgery and radiation therapy versus mastectomy, Radiology 1990; **174:** 255
Komaki R; Mountain CF; Holbert JM; et al: superior sulcus tumors: treatment selection and results for 85 patients without metastasis (M_o) at presentation, Int J Radiat Oncol Biol Phys 1990; **19:** 31
Komarnicky LT See **Regine WF**
Komarnicky LT; Phillips TL; Martz K; et al: randomized phase III protocol for the evaluation of misonidazole combined with radiation in the treatment of patients with brain metastases (RTOG-7916), Int J Radiat Oncol Biol Phys 1991; **20:** 53
Komarniski CA; Cyr DR; Mack LA; et al: prenatal diagnosis of schizencephaly, J Ultrasound Med 1990; **9:** 305
Komatsu Y; Narushima K; Kobayashi E; et al: CT and MR of germinoma in the basal ganglia, AJNR 1989; **10:** S9
Komiyama M; Fu Y; Yagura H; et al: MR imaging of dural AV fistulas at the cavernous sinus, JCAT 1990; **14:** 397
Komoroski RA See **Gullapalli RP**
Komoroski RA; Newton JEO; Walker E; et al: *in vivo* NMR spectroscopy of lithium-7 in humans, Magn Res Med 1990; **15:** 347
Komorowski RA See **Erickson SJ**
Komoto E See **Yamada M**
Komp D See **Rosenfield NS**
Komu M; Alanen A; Määttänen H; et al: method dependence of proton spin-lattice relaxation analysis in biologic tissues, Acta Radiol 1989; **30:** 97
Kondo C See **Caputo GR**
Kondo C See **Semelka RC**
Kondo C See **Suzuki J-i**
Kondo C; Caputo GR; Semelka R; et al: right and left ventricular stroke volume measurements with velocity-encoded cine MR imaging: in vitro and in vivo validation, AJR 1991; **157:** 9
Kondo F See **Ebara M**
Kondo H See **Goya T**
Kondo M See **Uematsu M**
Kondo M; Takamizawa K; Hirama M; et al: evaluation of an *in vivo* local sound speed estimation technique by the crossed beam method, Ultrasound Med Biol 1990; **16:** 65
Kondo N See **Litt AW**
Kondo Y See **Ebara M**
Konefal JB; Taylor YC: effects of altered fractionation schedules on the survival of human cell lines differing in their proliferative activity and repair capacity, Int J Radiat Oncol Biol Phys 1989; **17:** 1007
Koneru B See **Kaplan SB**
Koneru B See **Lehar SC**
Koneru B See **Zajko AB**
Kong V See **Levine MS**
König B See **Köhn H**
König H; Aicher K; Klose U; et al: quantitative evaluation of hyaline cartilage disorders using FLASH sequence: I. method and animal experiments, Acta Radiol 1990; **31:** 371
König H; Aicher K; Klose U; et al: quantitative evaluation of hyaline cartilage disorders using FLASH sequence: II. clinical applications, Acta . Radiol 1990; **31:** 377
König H; Sieper J; Wolf K-J: rheumatoid arthritis: evaluation of hypervascular and fibrous pannus with dynamic MR imaging enhanced with Gd-DTPA, Radiology 1990; **176:** 473
Konijn AM See **Yinnon A**
Koning R See **Letac B**
Konishi I See **Togashi K**
Konishi J See **Asato R**
Konishi J See **Itoh T**
Konishi J See **Katsushima S**
Konishi J See **Kawamura Y**
Konishi J See **Ohta H**
Konishi J See **Sagoh T**
Konishi J See **Togashi K**
Konishi K See **Hayakawa K**
Konishi T See **Murakami T**
Konishi Y See **Hayakawa K**
Konishi Y See **Kuriyama M**
Konitzer M See **Mügge A**
Konno T: targeting cancer chemotherapeutic agents by use of lipiodol contrast medium, (ab), JVIR 1991; **2:** 296
Konno T: targeting cancer chemotherapeutic agents by use of lipiodol contrast medium, (ab), Radiology 1991; **179:** 592
Kono M; Yamasaki K; Ikeda M: potential use of a 100-mm film digitizer and image processor for film archiving, J Thorac Imag 1990; **5-1:** 61
Konrádová V; Tůma S; Kanta J: effect of Hexabrix tracheobronchography on the ultrastructure of the airway epithelium, Pediatr Radiol 1990; **20:** 440
Konski A; Pellegrini V; Poulter C; et al: randomized trial comparing single dose versus fractionated irradiation for prevention of heterotopic bone: a preliminary report, Int J Radiat Oncol Biol Phys 1990; **18:** 1139
Konski A; Weiss C; Rosier R; et al: use of postoperative irradiation for the prevention of heterotopic bone after total hip replacement with biologic fixation (porous coated) prosthesis: an animal model, Int J Radiat Oncol Biol Phys 1990; **18:** 861
Konski AA See **Dobelbower RR Jr**
Konstantini S See **Krausz Y**
Kontturi M: is acid phosphatase (PAP) still justified in the management of prostatic cancer?, Acta Oncol 1991; **30:** 169
Koolpe HA See **Ramchandani P**
Koolpe HA; Dorfman D; Kramer M: translumbar duodenostomy for enteral feeding, AJR 1989; **153:** 299
Koolpe HA; Lord B: eccentric nephroscopy for the incarcerated nephrostomy, Urol Radiol 1990; **12:** 96
Koontz WL See **Harper AK**
Koople HA See **Ramchandani P**
Koopmans RA; Li DKB; Paty DW: glomus of the choroid plexus: the normal spin-echo appearance on magnetic resonance imaging, J Canad Assoc Radiol 1990; **41:** 195
Koornneef L See **Eijpe AA**
Kooy H See **Nedzi LA**
Kooy HM; Barth NH: verification of an inverse problem in radiation therapy, Int J Radiat Oncol Biol Phys 1990; **18:** 433
Kooy HM; Nedzi LA; Loeffler JS; et al: treatment planning for stereotactic radiosurgery of intracranial lesions, Int J Radiat Oncol Biol Phys 1991; **21:** 683
Kopald KH See **Selch MT**
Kopald KH See **Wong JH**
Kopans DB See **Baines CJ**
Kopans DB See **Robertson CL**
Kopans DB: asymmetric breast tissue: reply, Radiology 1989; **173:** 577
Kopans DB: fine-needle aspiration of clinically occult breast lesions, Radiology 1989; **170:** 313
Kopans DB; Nguyen PL; Koerner FC; White G; McCarthy KA; Hall DA; Mrose H; Cardenosa G: mixed form diffusely scattered calcifications in breast cancer with apocrine features, Radiology 1990; **177:** 807
Kopans DB; Rubens J: medullary carcinoma of the breast, Radiology 1989; **171:** 876
Kopans DB; Swann CA: preoperative imaging-guided needle placement and localization of clinically occult breast lesions, AJR 1989; **152:** 1

Kopans DB; Swann CA; White G; McCarthy KA; Hall DA; Belmonte SJ; Gallagher WJ: asymmetric breast tissue, Radiology 1989; **171:** 639
Kopchok GE See **White GH**
Kopecky KJ See **Reed EC**
Kopecky KK See **Baker MK**
Kopecky KK See **Bogan ML**
Kopecky KK See **Don S**
Kopecky KK See **Harill CD**
Kopecky KK See **Sheets PW**
Kopecky KK See **Walser EM**
Kopecky KK See **Wolf GC**
Kopecky KK; Braunstein EM; Brandt KD; Filo RS; Leapman SB; Capello WN; Klatte EC: apparent avascular necrosis of the hip: appearance and spontaneous resolution of MR findings in renal allograft recipients, Radiology 1991; **179:** 523
Kopecky KK; Hawes RH; Bogan ML; et al: percutaneous pulsed-dye laser lithotripsy of gallbladder stones in swine, Invest Radiol 1990; **25:** 627
Kopecky KK; Steidle CP; Eble JN; Bihrle R; Dreesen RG; McNulty AM; Sutton GP; Becker GJ: endoluminal radio-frequency electrocautery for permanent ureteral occlusion in swine, Radiology 1989; **170:** 1043
Kopecky KK; Sutton GP; Bihrle R; Becker GJ: percutaneous transrenal endoureteral radio-frequency electrocautery for occlusion: case report, Radiology 1989; **170:** 1047
Kopecky RT See **McAfee JG**
Kopecky RT; McAfee JG; Thomas FD; et al: enalaprilat-enhanced renography in a rat model of renovascular hypertension, J Nucl Med 1990; **31:** 501
Kopko PM; Smith DC; Bull BS: thrombin generation in nonclottable mixtures of blood and nonionic contrast agents, Radiology 1990; **174:** 459
Koppensteiner R See **Jung M**
Koppensteiner R See **Minar E**
Koppensteiner R; Moritz A; Schlick W; et al: blood rheology after cardiac valve replacement with mechanical prostheses or bioprostheses, (ab), Radiology 1991; **180:** 589
Koprowski C See **Rossmann MD**
Kops ER; Herzog H; Schmid A; et al: performance characteristics of an eight-ring whole body PET scanner, JCAT 1990; **14:** 437
Kopytek M See **Goraj B**
Koral KF; Swailem FM; Buchbinder S; et al: SPECT dual-energy-window Compton correction: scatter multiplier required for quantification, J Nucl Med 1990; **31:** 90
Koral KF; Wang X; Sisson JC; et al: calculating radiation absorbed dose with pheochromocytoma tumors in 131-I MIBG therapy, Int J Radiat Oncol Biol Phys 1989; **17:** 211
Korb LJ See **Spaulding CA**
Korbelik M See **Osmak M**
Korbelik M See **Skov KA**
Kordorff R See **Ali GM**
Korenreich L See **Horev G**
Korensky T See **Mezwa DG**
Korentager R; Noyek AM; Chapnik JS; et al: lipoma and liposarcoma of the parotid gland: high-resolution preoperative imaging diagnosis, (ab), Radiology 1989; **171:** 887
Koretsky AP See **Detre JA**
Korhola O See **Hovi I**
Korhola O See **Miettunen R**
Korhola O: method for digitizing radiographic images, Acta Radiol 1990; **31:** 317
Korhola OA See **Miettunen RH**
Korin HW See **Felmlee JP**
Korin HW; Farzaneh F; Wright RC; et al: compensation for effects of linear motion in MR imaging, Magn Res Med 1989; **12:** 99
Korin HW; Felmlee JP; Ehman RL; Riederer SJ: adaptive technique for three-dimensional MR imaging of moving structures, Radiology 1990; **177:** 217
Korman SH; Lebensart P; Shvil Y: hydronephrosis caused by ureteric obstruction in chronic granulomatous disease: successful treatment by percutaneous nephrostomy and antibiotic therapy, (ab), Radiology 1991; **180:** 296
Kormano M See **Kallio T**
Kormano M See **Kujala UM**
Kormano M See **Niemi P**
Kormano MJ See **Tertti MO**
Kormos D See **Berns DH**
Korn WT See **Kaszar-Seibert DJ**
Kornblith AB See **Koutcher JA**
Kornelsen RO See **Jackson SM**
Kornguth S; Anderson M; Turski P; et al: glioblastoma multiforme: MR imaging at 1.5 and 9.4 T after injection of polylysine-DTPA-Gd in rats, AJNR 1990; **11:** 313
Kornick J; Trefelner E; McCarthy S; Lange R; Lynch K; Jokl P: meniscal abnormalities in the asymptomatic population at MR imaging, Radiology 1990; **177:** 463
Kornmesser W See **Kaminsky S**
Kornmesser W See **Schörner W**
Kornreich L See **Gomori JM**
Kornreich L See **Hadar H**
Kornreich L See **Ziv N**
Korobkin M See **Bosanko CMM**
Korobkin M See **Rebner M**
Korobkin M See **Wilson TE**
Korobkin M: overview of adrenal imaging/adrenal CT, Urol Radiol 1989; **11:** 221
Korobkin M; Casano VA: intracaval and intracardiac extension of malignant thymoma: CT diagnosis, JCAT 1989; **13:** 348
Korobkin M; Stephens DH; Lee JKT; et al: biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, AJR 1989; **153:** 507
Korogi Y See **Sakamoto Y**
Korogi Y; Takahashi M; Sakamoto Y; Shinzato J: cavernous sinus: correlation between anatomic and dynamic gadolinium-enhanced MR imaging findings, Radiology 1991; **180:** 235
Korrubel JB See **Hering ER**
Korson R See **Mindell HJ**
Kortekangas A See **Kellokumpu-Lehtinen P**
Korth K See **Kuenkel M**
Kortman KE See **Bradley WG Jr**
Kortright L See **Guidera KJ**
Korzeniowski S; Pszon J: results of radiotherapy of cancer of the middle ear, Int J Radiat Oncol Biol Phys 1990; **18:** 631
Kos M See **Stepišnik J**
Kosaka N See **Ohtake T**
Kosaka T See **Kitani H**
Koschorek F; Gremmel H; Stelten J; et al: characterization of CNS lesions by using high-resolution ^{1}H MR spectroscopy of CSF: preliminary results, AJNR 1989; **10:** 523
Koscielny S See **Tubiana M**
Kosek J See **Chang PJ**
Kosek J See **Nino-Murcia M**
Kosiuk JP See **Moore EH**
Koskinen MF See **Jaramillo D**
Koslin DB See **Berland LL**
Koslin DB See **Holley HC**
Koslin DB See **Mulligan SA**
Koslow SA; Davis PL; DeMarino GB; et al: hyperintense cirrhotic nodules on MRI, Gastrointest Radiol 1991; **16:** 339
Kosofsky BE See **Kuhn MJ**
Kosovsky PA See **Rafal RB**
Kosowsky BD See **Isner JM**
Koss MN; Hochholzer L; O'Leary T: pulmonary blastomas, (ab), Radiology 1991; **181:** 292
Kosslyn SM: psychology of visual displays, Invest Radiol 1989; **24:** 417
Kossoff G See **Gill RW**
Kossoff G; Carpenter DA; Robinson DE; et al: sonographic technique to reduce beam distortion by curved interfaces, Ultrasound Med Biol 1989; **15:** 375
Kossoff MB See **Gill RW**
Kossoff MB See **Leibman AJ**
Kossoff MB See **Murphy FB**
Kost GJ: pH standardization for phosphorus-31 magnetic resonance heart spectroscopy at different temperatures, Magn Res Med 1990; **14:** 496
Kostelic JK; Haughton VM; Sether LA: lumbar spinal nerves in the neural foramen: MR appearance, Radiology 1991; **178:** 837
Koster K See **Chen CC**
Koster K; Wackers FJT; Mattera JA; et al: quantitative analysis of planar technetium-99m-Sestamibi myocardial perfusion images using modified background subtraction, J Nucl Med 1990; **31:** 1400
Koster PA See **Borgstein B-J**
Kosterink JGW See **de Lange MJ**
Kostianovsky M See **Gerald W**
Kostrubiak IS See **Goldstein L**
Kostrubiak IS See **Young JWR**
Kosuda S; Kawahara S; Tamura K; et al: Ga-67 uptake in diethylstilbestrol-induced gynecomastia: experience with six patients, Clin Nucl Med 1990; **15:** 879
Kosuda S; Kawahara S; Tamura K; et al: N-isopropyl-p-[I-123]iodoamphetamine lung imaging in a patient with chronic pulmonary thromboembolism, Clin Nucl Med 1990; **14:** 756
Kosuge T; Makuuchi M; Takayama T; et al: thickening at the root of the superior mesenteric artery on sonography: evidence of vascular involvement in patients with cancer of the pancreas, AJR 1991; **156:** 69
Kotake T See **Narumi Y**
Kotake Y See **Okumura M**
Kotler J See **Serafini AN**
Kotlove DJ See **Sagerman RH**
Kotner LM Jr See **Hammerman AM**
Kotoura H See **Ohta H**
Kotre CJ See **Thompson WD**
Kottamasu SR See **Burnstein MI**
Kottamasu SR See **Shier CK**
Kotterer O See **Rozeik C**
Kottou S See **Brunken RC**
Kotval PS: Doppler waveform parvus and tardus: a sign of proximal flow obstruction, J Ultrasound Med 1989; **8:** 435
Kotval PS; Babu SC; Shah PM: Doppler diagnosis of partial vertebral/subclavian steals convertible to full steals with physiologic maneuvers, J Ultrasound Med 1990; **9:** 207
Kotval PS; Khoury A; Shah PM; et al: Doppler sonographic demonstration of the progressive spontaneous thrombosis of pseudoaneurysms, J Ultrasound Med 1990; **9:** 185
Kotval PS; Shah PM; Berman H: Doppler diagnosis of subclavian steal due to arteriovenous hemodialysis fistula in the ipsilateral arm, J Ultrasound Med 1989; **8:** 697
Kotval PS; Weitzner I Jr; Tenner MS: diagnosis of carotid-cavernous fistula by periorbital color Doppler imaging and pulsed Doppler volume flow analysis, J Ultrasound Med 1990; **9:** 101
Kotwall ZA See **Hammond DI**
Kotyk JJ See **Bretthorst GL**
Kotzé HF; Heyns AdP; Lötter MG; et al: comparison of oxine and tropolone methods for labeling human platelets with indium-111, J Nucl Med 1991; **32:** 62
Kotzerke J; Hicks RJ; Wolfe E; et al: three-dimensional assessment of myocardial oxidative metabolism: a new approach for regional determination of PET-derived carbon-11-acetate kinetics, J Nucl Med 1990; **31:** 1876
Kouchoukos NT See **Marshall WG**
Koudstaal PJ See **Bonke B**
Koumoundourous I See **Ng TC**
Kountz PD; Molina PL; Sagel SS: fibrosing mediastinitis in the posterior thorax, AJR 1989; **153:** 489
Kountz PD; Siegel MJ; Shapiro E: flank mass in a newborn, Urol Radiol 1989; **11:** 61
Kouri M See **Laasonen A**
Kourouklis C See **Stefanadis C**
Koutcher JA; Ballon D; Graham M; et al: ^{31}P NMR spectra of extremity sarcomas: diversity of metabolic profiles and changes in response to chemotherapy, Magn Res Med 1990; **16:** 19
Koutcher JA; Barnett D; Kornblith AB; et al: relationship of changes in pH and energy status to hypoxic cell fraction and hyperthermia sensitivity, Int J Radiat Oncol Biol Phys 1990; **18:** 1429
Koutcher JA; Sawyer RC; Kornblith AB; et al: *in vivo* monitoring of changes in 5-fluorouracil metabolism induced by methotrexate measured by ^{19}F NMR spectroscopy, Magn Res Med 1991; **19:** 113
Kovačič S See **Dann R**
Kovacs CJ See **Evans MJ**
Kovacs CJ; Gooya JM; Harrell JP; et al: altered radioprotective properties of interleukin Ia (IL-1) in non-hematologic tumor-bearing animals, Int J Radiat Oncol Biol Phys 1991; **20:** 307
Kovacs G; Welter C; Wilkens L; et al: renal oncocytoma: a phenotypic and genotypic entity of renal parenchymal tuors, (ab), Radiology 1989; **173:** 884
Kovacs JA See **Masur H**
Kovalic JJ; Grigsby PW; Fineberg BB: recurrent pituitary adenomas after surgical resection: the role of radiation therapy, Radiology 1990; **177:** 273
Kovalic JJ; Grigsby PW; Perez CA; et al: cervical stump carcinoma, Int J Radiat Oncol Biol Phys 1991; **20:** 933
Kovalic JJ; Grigsby PW; Shepard MJ; et al: radiation therapy for gliomas of the optic nerve and chiasm, Int J Radiat Oncol Biol Phys 1990; **18:** 927
Kovalic JJ; Perez CA: radiation therapy following keloidectomy: a 20-year experience, Int J Radiat Oncol Biol Phys 1989; **17:** 77
Kovanlikaya I See **Diren HB**
Kovanlikaya I; Günbay MU; Pirnar T; et al: swollen neck in children: a report of two cases, Pediatr Radiol 1990; **20:** 485
Kovatsis PG See **Kahn CE Jr**
Kovelman H See **Young JWR**
Kowada M See **Mineura K**
Kowalchuk GJ; Ciu SC; Lewis SM: coronary artery disease in the octogenarian: angiographic spectrum and suitability for revascularization, (ab), Radiology 1991; **180:** 294
Kowall NW See **Thulborn KR**
Kowalski H See **Rusinek H**
Kowalski H See **Seidenwurm D**
Kowaluk R See **Huda W**
Koyanagi T See **Kalugdan RG**
Kozakewich H See **Hoffer FA**
Kozarek RA See **Cotton PB**
Kozarek RA See **Faulkner DJ**
Kozarek RA See **Feldman RK**
Kozarek RA See **Wolfsen HC**
Kozinn DR See **Braden GL**
Kozlowski K See **Azouz EM**
Kozlowski K See **Bacha L**
Kozlowski K See **Lawrence JJ**
Kozlowski K See **Nishimura G**
Kozlowski K; Azouz M; Hoff D: stress fracture of the fibula in the first decade of life: report of eight cases, Pediatr Radiol 1991; **21:** 381

Kozlowski K; Bacha L; Brachimi L; et al: multicentric/massive idiopathic osteolysis in a 17-year-old girl, Pediatr Radiol 1990; **21:** 48
Kozlowski K; Bacha L; Brahimi L; et al: caudal regression syndrome and spondyloepiphyseal dysplasia in a 6-year-old child: a new syndrome?, Pediatr Radiol 1990; **21:** 75
Kozlowski K; Barylak A; Campbell J; et al: primary sacral bone tumours in children (report of 16 cases with a short literature review), Australas Radiol 1990; **34:** 142
Kozlowski K; Bellemore MC: spondylometaphyseal dysplasia of Sutcliffe type, Br J Radiol 1989; **62:** 862
Kozlowski K; Campbell JB; Azouz EM: traumatised ischial apophysis (report of six cases), Australas Radiol 1989; **33:** 140
Kozlowski K; Kan A; Marsden FW: case report 684, Skeletal Radiol 1991; **20:** 397
Kozlowski K; Pietron K: familial x-linked unilateral carpal hypoplasia/dysplasia—a new syndrome: report of four cases, Pediatr Radiol 1989; **19:** 261
Kozlowski K; Tsuruta T: dysplastic cortical hyperostosis: a new form of lethal neonatal dwarfism, Br J Radiol 1989; **62:** 376
Kozlowski KS: case report 614, Skeletal Radiol 1990; **19:** 305
Kozuka T See **Akira M**
Kozuka T See **Hashimoto T**
Kozuka T See **Hosoki T**
Kozuka T See **Kashiwagi T**
Kozuka T See **Katayama H**
Kozuka T See **Miura T**
Kozuka T See **Takashima S**
Kozuka T See **Yamaguchi K**
Kraaier V See **Vriens EM**
Krabbe JK; Hartkamp MJ; van Waes PFGM: occluding staghorn calcification of the aortic arch and left subclavian artery: case report, Cardiovasc Intervent Radiol 1991; **14:** 121
Kraemer JL; Schneider FL; Raupp SF; et al: anatomoradiological correlation of the intersection of the carotid siphon with the dura mater, Neuroradiol 1989; **31:** 408
Kraemer M; Patris A: radio-functional analysis of the cervical spine using the Arlen method. a study of 699 subjects. part one: methodology, J Neuroradiol 1989; **16:** 48
Kraemer M; Patris A: radio-functional analysis of the cervical spine using the Arlen method. a study of 699 subjects. part two: paradoxical tilting of the atlas, J Neuroradiol 1989; **16:** 65
Kraemer M; Patris A: radio-functional analysis of the cervical spine using the Arlen method: part three: post-traumatic syndromes. a statistical analysis of 480 subjects, J Neuroradiol 1990; **17:** 125
Kraft JL See **Bogan ML**
Kraft JL See **Conces DJ Jr**
Kraft KA See **Fatouros PP**
Kraft KA See **Nadel L**
Kraft MA See **Rogers WF**
Kraft P See **Triller J**
Kraft SL; Gavin PR; Leathers CW; et al: diffuse cerebral and leptomeningeal astrocytoma in dogs: MR features, JCAT 1990; **14:** 555
Kragel PJ See **Miller DL**
Krägeloh-Mann I See **Grodd W**
Krahe T See **Landwehr P**
Kraichoke S; Cosgrove M; Chandrasoma PT: granulomatous inflammation in pineal germinoma: a cause of diagnostic failure at stereotaxic brain biopsy, (ab), Radiology 1989; **171:** 591
Krakovitz M See **Kim SM**
Krall JM See **Hanks GE**
Krall JM See **Lustig RA**
Krall JM See **Marcial LV**
Krall JM See **Pilepich MV**
Kram HB; Appel PL; Wohlmuth DA; et al: diagnosis of traumatic thoracic aortic rupture: a 10-year retrospective analysis, (ab), Radiology 1989; **173:** 292
Kramann B See **Dietz R**
Kramar C See **Lagier R**
Kramer B See **Noveck HD**
Kramer D; Li A; Simovsky I; et al: applications of voxel shifting in magnetic resonance imaging, Invest Radiol 1990; **25:** 1305
Kramer DM See **Carlson JW**
Kramer DM See **Kaufman L**
Kramer DM See **Rothschild PA**
Kramer DM See **Sheldon PE**
Kramer DM; Guzman RJ; Carlson JW; Crooks LE; Kaufman L: physics of thin-section MR imaging at low field strength, Radiology 1989; **173:** 541
Kramer E See **Alavi A**
Kramer E: antibodies in radiodiagnosis and therapy, Radiology 1989; **173:** 350
Kramer EL See **Birnbaum BA**
Kramer EL: clinical radioimmunoimaging, Radiology 1989; **170:** 568
Kramer EL: present and future role of monoclonal antibodies in the management of cancer, Radiology 1991; **179:** 8
Kramer EL; Noz ME; Sanger JJ; Megibow AJ; Maguire GQ: CT-SPECT fusion to correlate radiolabeled monoclonal antibody uptake with abdominal CT findings, Radiology 1989; **172:** 861
Kramer EL; Sanger JJ: brain imaging in acquired immunodeficiency syndrome dementia complex, Semin Nucl Med 1990; **20:** 353
Kramer EL; Sanger JJ: detection of thoracic infections by nuclear medicine techniques in the acquired immunodeficiency syndrome, Radiol Clin North Am 1989; **27:** 1067
Kramer EL; Sanger JJ; Garay SM; Grossman RJ; Tiu S; Banner H: diagnostic implicatons of Ga-67 chest-scan patterns in human immunodeficiency virus–seropositive patients, Radiology 1989; **170:** 671
Kramer FM See **Velchik MG**
Kramer J See **Herold CJ**
Kramer J See **Prayer L**
Kramer J See **Schurawitzki H**
Kramer L See **Vade A**
Kramer LD; Locke GE; Byrd SE; Daryabagi J: cerebral cysticercosis: documentation of natural history with CT, Radiology 1989; **171:** 459
Kramer M See **Koolpe HA**
Kramer RA; Soble M; Howes AE; et al: effect of glutathione (GSH) depletion *in vivo* by buthionine sulfoximine (BSO) on the radiosensitization of SR 2508, Int J Radiat Oncol Biol Phys 1989; **16:** 1325
Kramer SA See **Castillo OA**
Kramer SI See **Williams DW III**
Kramer SS See **Yale-Loehr AJ**
Kramer-Fox R See **Roman MJ**
Krane RJ See **Walker TG**
Kransdorf MJ See **Aoki J**
Kransdorf MJ See **Brower AC**
Kransdorf MJ See **Buetow PC**
Kransdorf MJ See **Ho VB**
Kransdorf MJ See **Hopper KD**
Kransdorf MJ See **Jelinek JS**
Kransdorf MJ See **Meyer CA**
Kransdorf MJ See **Moser RP Jr**
Kransdorf MJ See **Osborn AG**
Kransdorf MJ See **Stull MA**
Kransdorf MJ See **Utz JA**
Kransdorf MJ See **Whitaker MD**
Kransdorf MJ; Jelinek JS; Moser RP Jr; et al: magnetic resonance appearance of fibromatosis: a report of 14 cases and review of the literature, Skeletal Radiol 1990; **19:** 495
Kransdorf MJ; Jelinek JS; Moser RP Jr; et al: soft-tissue masses: diagnosis using MR imaging, AJR 1989; **153:** 541
Kransdorf MJ; McFarland DR; Moser RP Jr; et al: case report 649, Skeletal Radiol 1991; **20:** 63
Kransdorf MJ; Moser RP Jr; Gilkey FW: from the archives of the AFIP: fibrous dysplasia, Radiographics 1990; **10:** 519
Kransdorf MJ; Moser RP Jr; Jelinek JS; et al: intramuscular myxoma: MR features, JCAT 1989; **13:** 836
Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA: from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Radiographics 1991; **11:** 81
Kransdorf MJ; Moser RP Jr; Vinh TN; et al: primary tumors of the patella: a review of 42 cases, Skeletal Radiol 1989; **18:** 365
Kransdorf MJ; Stull MA; Gilkey FW; Moser RP Jr: from the archives of the AFIP: osteoid osteoma, Radiographics 1991; **11:** 671
Krappel W See **Seiderer M**
Krasicky GA See **Shier CK**
Krasin F See **Tercilla O**
Krasne D See **McDougall IR**
Krasnow AZ See **Beres RA**
Krasnow AZ See **Dehdashti F**
Krasnow AZ See **Kir KM**
Krasnow AZ See **Mills BJA**
Krasnow AZ See **Patel N**
Krasnow AZ See **Pochis WT**
Krasnow AZ; Collier BD; Isitman AT; et al: use of radionuclide cisternography in the diagnosis of pleural cerebrospinal fluid fistulae, J Nucl Med 1989; **30:** 120
Krasnow AZ; Collier BD; Peck DC; et al: value of oblique angle reorientation in SPECT bone scintigraphy of the hips, Clin Nucl Med 1990; **15:** 287
Krasnow AZ; McNamara M; Akhtar R; et al: cephalosporin-induced diffuse pulmonary inflammation depicted by Ga-67 scintigraphy, Clin Nucl Med 1989; **14:** 379
Krasny R; Prescher A; Botschek A; et al: MR-anatomy of infants hip: comparison to anatomical preparations, Pediatr Radiol 1991; **21:** 211
Kratzik C; Hainz A; Kuber W; et al: has ultrasound influenced the therapy concept of blunt scrotal trauma?, (ab), Radiology 1990; **175:** 884
Kraus RA: l'imagerie du rachis et de la moelle: scanner/I.R.M./ultrasons (imaging of the spinal column and spinal cord: CT, MR, and ultrasound), Radiology 1990; **177:** 748
Kraus RA; Gaisie G; Young LW: increased renal parenchymal echogenicity: causes in pediatric patients, Radiographics 1990; **10:** 1009
Kraus RA; Mann CI: delayed presentation of a Bochdalek hernia in a child, J Canad Assoc Radiol 1989; **40:** 176
Krause D See **Kessler R**
Krause R; Larsen CR; Scholz FJ: gastrosplenic fistula: complication of adenocarcinoma of stomach, Comput Med Imag Graph 1990; **14:** 273
Krauss D See **Lanzieri CF**
Krauss XH; van der Wall EE; Doornbos J; et al: value of magnetic resonance imaging in patients with a recent myocardial infarction: comparison with planar thallium-201 scintigraphy, Cardiovasc Intervent Radiol 1989; **12:** 119
Krausz Y See **Bloom RA**
Krausz Y See **Cohen D**
Krausz Y See **Horne T**
Krausz Y; Cohen D; Konstantini S; et al: brain SPECT imaging in temporal lobe epilepsy, Neuroradiol 1991; **33:** 274
Krauthamer R: simplified method for antegrade ureteral stent placement, AJR 1991; **156:** 763
Kravitz JR; Ridlen MS: imaging of an oat cell metastasis to the testicle: case report and review of the literature, JCU 1990; **18:** 121
Krcek JP See **Numerow LM**
Krebs CA See **Giyanani VL**
Krebs P See **von Rohden L**
Krebs TL; Austin JHM: colonic perforation: complication of automatic implantable cardioverter defibrillator placement, Radiology 1989; **172:** 708
Kreel L See **Arnold MM**
Kreel L; Arnold MM; Chan MSY; et al: radiological-pathological correlation of hepatocellular carcinoma (HCC), Clin Radiol 1991; **44:** 42
Kreel L; Yip KY; Stewart I; et al: radiological diagnosis and management of angiomylipoma of tumerous sclerosis, Australas Radiol 1989; **33:** 176
Kreft B; Harder T; Kania U: alcoholic woman with hematemesis, nausea, and abdominal pain, Invest Radiol 1991; **26:** 203
Kreimeier U See **Gross W**
Kreipke DL See **Glynn TP Jr**
Kreipke DL; Silver DI; Tarver RD; et al: readability of cervical spine imaging: digital versus film/screen radiographs, Comput Med Imag Graph 1990; **14:** 119
Kreitz G See **Schneider IHF**
Kreller-Laugwitz G See **Eggert P**
Kremers PW See **Barth KH**
Kremers PW See **Matsumoto AH**
Kremer-Schneider MME See **de Vries RA**
Kremkau FW: clinical benefit of higher acoustic output levels, Ultrasound Med Biol 1989; **15:** S69
Krenning E See **Reubi JC**
Krenning EP See **Bakker WH**
Krenzel C See **Coleman CC**
Krenzel C See **Epstein DH**
Kresowik TF See **Cragg AH**
Kresowik TF; Khoury MD; Miller BV; et al: prospective study of the incidence and natural history of femoral vascular complications after percutaneous transluminal coronary angioplasty, (ab), Radiology 1991; **180:** 887
Kressel HY See **Allen KS**
Kressel HY See **Bryan RN**
Kressel HY See **Chan TW**
Kressel HY See **Ehman RL**
Kressel HY See **Gefter WB**
Kressel HY See **Glickstein MF**
Kressel HY See **Grenier N**
Kressel HY See **Hatabu H**
Kressel HY See **Imai Y**
Kressel HY See **Mason MD**
Kressel HY See **Milestone BN**
Kressel HY See **Mittl RL Jr**
Kressel HY See **Outwater E**
Kressel HY See **Roberts MC**
Kressel HY See **Schiebler ML**
Kressel HY See **Schnall MD**
Kressel HY See **Tsai JC**
Kressel HY See **Velchik MG**
Kressel HY See **Wehrli FW**
Kressel HY See **Zlatkin MB**
Krestin GP; Friedmann G; Fischbach R; et al: evaluation of adrenal masses in oncologic patients: dynamic contrast-enhanced MR vs CT, JCAT 1991; **15:** 104
Krestin GP; Steinbrich W; Friedmann G: adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Radiology 1989; **171:** 675
Kreth HW See **Schuster V**

Kretschmar JM See **Marshall JB**
Kretschmer G See **Lammer J**
Kreula J See **Bondestam S**
Kreula J See **Taavitsainen M**
Kreula J: effect of sampling technique on specimen size in fine needle aspiration biopsy, Invest Radiol 1990; **25:** 1294
Kreula J: new method for investigating the sampling technique of fine needle aspiration biopsy, Invest Radiol 1990; **25:** 245
Kreula J; Virkkunen P; Bondestam S: effect of suction on specimen size in fine-needle aspiration biopsy, Invest Radiol 1990; **25:** 1175
Kreuning J See **Shaw PC**
Krevsky B See **Siegel JA**
Kricheff II See **Goldsher D**
Kricheff II See **Houser OW**
Kricheff II See **Seidenwurm D**
Kricun ME See **Capp MP**
Kricun ME See **Dalinka MK**
Kricun ME See **Kricun R**
Kricun R; Chovanes GI; Shoemaker EI: CT and MR appearance of cervical acrylic struts, JCAT 1991; **15:** 519
Kricun R; Kricun ME; Dalinka MK: advances in spinal imaging, Radiol Clin North Am 1990; **28:** 321
Krief O See **Gomori JM**
Krief O See **Sigal R**
Krieger JN; Wang K; Mack L: preliminary evaluation of color Doppler imaging for investigation of intrascrotal pathology, (ab), Radiology 1991; **179:** 886
Kriegler M See **Lynch HT**
Kriegshauser JS; Julsrud PR; Lund JT: MR imaging of fat in and around the heart, AJR 1990; **155:** 271
Kriegshauser JS; Reading CC; King BF; et al: combined systemic and portal venous gas: sonographic and CT detection in two cases, AJR 1990; **154:** 1219
Krifa H See **Chaabane M**
Krige JEJ See **Beningfield SJ**
Krings W See **Vassallo P**
Kris MG See **Armstrong JG**
Kris MG See **Martini N**
Krishnamoorthy KS; Kuban KCK; Leviton A; et al: periventricular-intraventricular hemorrhage sonographic localization, phenobarbital, and motor abnormalities in low birth weight infants, (ab), Radiology 1990; **177:** 895
Krishnamurthy GT See **Brown PH**
Krishnamurthy GT See **Doo E**
Krishnamurthy GT; Turner FE: pharmacokinetics and clinical application of technetium 99m-labeled hepatobiliary agents, Semin Nucl Med 1990; **20:** 130
Krishnan EC See **Krishnan L**
Krishnan EC; Krishnan L; Cytaki EP; et al: radiobiological advantages of an immediate interstitial boost dose in conservative treatment of breast cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 419
Krishnan KRR See **Doraiswamy PM**
Krishnan L See **Krishnan EC**
Krishnan L; Cytaki EP; Wolf CD; et al: dosimetric analysis in brachytherapy of carcinoma of the cervix, Int J Radiat Oncol Biol Phys 1990; **18:** 965
Krishnan L; Krishnan EC; Mansfield CM; Reddy EK; Thomas JH; Jewell WR: treatment options in early breast cancer, Radiographics 1989; **9:** 1067
Krishnasamy S See **Kolker JD**
Kriss JP See **Petersen IA**
Kristjánsdóttir S See **Puylaert JBCM**
Kriz RJ See **Wilbur AC**
Kroboth FJ See **Kanel KT**
Krockow KA See **Jacobs MA**
Kroeker MA See **Semelka RC**
Kroeker R See **Semelka RC**
Krogerus L See **Taavitsainen M**
Krohmer JS: radiography and fluoroscopy, 1920 to the present, Radiographics 1989; **9:** 1129
Krol G See **Delattre JY**
Krol G See **Sze G**
Krol G See **Wallner KE**
Krol G; Sze G; Arbit E; et al: intradural metastases of chordoma, AJNR 1989; **10:** 193
Kroll SS See **Halpern J**
Kroll SS See **Loyer EM**
Krom RAF See **Ward EM**
Kronauge JF See **Chiu ML**
Kronauge JF See **Piwnica-Worms D**
Kronberg M See **Söderlund V**
Kronenberg MW; Beard JT; Stein SM; et al: effects of beta-adrenergic blockade in acute myocardial infarction: evaluation by radionuclide ventriculography, J Nucl Med 1990; **31:** 557
Krönert K; Götz V; Reuland P; et al: gallbladder emptying in diabetic patients and control subjects assessed by real-time ultrasonography and cholescintigraphy: a methodological comparison, Ultrasound Med Biol 1989; **15:** 535
Kronfeld G See **Leff SL**
Kronfeld GD See **Drossman SR**
Kronthal AJ; Fishman EK; Kuhlman JE; Bohlman ME: hepatic infarction in preeclampsia, Radiology 1990; **177:** 726
Kronthal AJ; Fishman EK; Sanders RC; et al: uterine perforation simulating urachal carcinoma: CT diagnosis, AJR 1990; **154:** 741
Kronthal AJ; Heitmiller RF; Fishman EK; et al: mediastinal seroma after esophagogastrectomy, AJR 1991; **156:** 715
Kronthal AJ; Kang YS; Fishman EK; et al: MR imaging in sclerosing mesenteritis, AJR 1991; **156:** 517
Kroon D See **Fischman AJ**
Kroon HM; Schurmans J: osteoblastoma: clinical and radiologic findings in 98 new cases, Radiology 1990; **175:** 783
Kroop S See **Desai MB**
Kropp J See **Biersack HJ**
Krubsack AJ; Wilson SD; Lawson TL; et al: prospective comparison of radionuclide, computed tomographic, sonographic, and magnetic resonance localization of parathyroid tumors, (ab), Radiology 1990; **175:** 294
Krueckeberg ST See **Young G**
Kruegener GH See **Jaeger HJ**
Krueger GFR See **Roth SL**
Kruger MP See **Wasielewski RC**
Kruger RA See **Ho J-T**
Krugman RL See **Villani MA**
Krupinski EA See **Kundel HL**
Krupski WC See **Gooding GAW**
Krupski WC; Bass A; Kelly AB; et al: heparin-resistant thrombus formation by endovascular stents in baboons: interruption by a synthetic antithrombin, (ab), JVIR 1990; **1:** 135
Krupski WC; Bass A; Thurston DW; et al: utility of computed tomography for surveillance of small abdominal aortic aneurysms: preliminary report, (ab), Radiology 1991; **179:** 887
Kruse B See **Leibman AJ**
Krushell RJ See **Maloney WJ**
Krutchen A See **Harnish PP**
Kruyt RH; Delemarre JBVM; Doornbos J; Vogel HJ: normal anorectum: dynamic MR imaging anatomy, Radiology 1991; **179:** 159
Krygier-Stojalowska A See **Rychly J**
Krysiewicz S See **Ernst R**
Krysiewicz S: diagnosis of urachal carcinoma by computed tomography and magnetic resonance imaging, Clin Imag 1990; **14:** 251
Krysiewicz S; Mellinger BC: role of imaging in the diagnostic evaluation of impotence, AJR 1989; **153:** 1133
Kryal J See **Stringer DA**
Krzisch C See **Schlienger M**
Krzymowski GA See **Sussman SK**
Krzywda EA See **Hinke DH**
Ku A; Kadir S: embolization of a mesenteric artery aneurysm: case report, Cardiovasc Intervent Radiol 1990; **13:** 91
Kuan K-T See **White DH**
Kuang-Long C See **En-Pee Z**
Kuban KCK See **Krishnamoorthy KS**
Kuban KCK See **Van Marter LJ**
Kuban KCK; Teele RL; Wallman J: septo-optic-dysplasia-schizencephaly: radiographic and clinical features, Pediatr Radiol 1989; **19:** 145
Kuber W See **Kratzik C**
Kubicka RA See **Patzik SB**
Kubicka RA See **Thompson MJ**
Kubo H See **Perec A**
Kubo K; Itho K; Nakada K; et al: visualization of squamous cell carcinoma of the skin with I-123 iodoamphetamine, Clin Nucl Med 1989; **14:** 138
Kubota H; Nimura Y; Hayakawa N; Shionoya S: hepatic transcatheter arterial embolization with gastroduodenal artery blocking by finger compression, Radiology 1989; **170:** 562
Kubota K See **Fujiwara T**
Kubota K See **Ishiwata K**
Kubota K; Atkins HL; Anaise D; et al: quantitative evaluation of renal excretion on the dynamic DTPA renal scan, Clin Nucl Med 1989; **14:** 8
Kubota K; Billing H; Ericzon B-G; et al: duplex Doppler ultrasonography for monitoring liver transplants, Acta Radiol 1990; **31:** 279
Kubota K; Matsuzawa T; Amemiya A; et al: imaging of breast cancer with [^{18}F]fluorodeoxyglucose and positron emission tomography, JCAT 1989; **13:** 1097
Kubota K; Matsuzawa T; Takahashi T; et al: rapid and sensitive response of carbon-11-L-methionine tumor uptake to irradiation, J Nucl Med 1989; **30:** 2012
Kubota K; Som P; Brill AB; et al: comparative dual-tracer studies of carbon-14 tryptophan and iodine-131 HIPDM in animal models of pancreatic diseases, J Nucl Med 1989; **30:** 1848
Kubota R See **Ishiwata K**
Kubota T See **Niwa J**
Kubota Y See **Kichikawa K**
Kubsad SS See **Gehring MA**
Kubsad SS See **Mehta MP**
Kubsad SS; Mackie TR; Gehring MA; et al: Monte Carlo and convolution dosimetry for stereotactic radiosurgery, Int J Radiat Oncol Biol Phys 1990; **19:** 1027
Kucharczyk J See **Baker LL**
Kucharczyk J See **Chew W**
Kucharczyk J See **Kucharczyk W**
Kucharczyk J See **Moseley ME**
Kucharczyk J See **Rocklage SM**
Kucharczyk J See **Tien RD**
Kucharczyk J; Mintorovitch J; Asgari HS; et al: diffusion/perfusion MR imaging of acute cerebral ischemia, Magn Res Med 1991; **19:** 311
Kucharczyk J; Mintorovitch J; Moseley ME; Asgari HS; Sevick RJ; Derugin N; Norman D: ischemic brain damage: reduction by sodium-calcium ion channel modulator RS-87476, Radiology 1991; **179:** 221
Kucharczyk J; Moseley ME; Kurhanewicz J; et al: MRS of ischemic/hypoxic brain disease, Invest Radiol 1989; **24:** 951
Kucharczyk W See **Chen JC**
Kucharczyk W See **Hardy PA**
Kucharczyk W See **Henkelman RM**
Kucharczyk W See **Kassel EE**
Kucharczyk W See **Tien RD**
Kucharczyk W: high resolution magnetic resonance imaging of vascular lesions at the skull base: a review, J Canad Assoc Radiol 1990; **41:** 14
Kucharczyk W; Lee DH; McClarty B; et al: routine contrast enhancement for cranial magnetic resonance imaging: an analysis of its diagnostic value in adults, J Canad Assoc Radiol 1991; **42:** 199
Kucharczyk W; Lenkinski RE; Kucharczyk J; et al: effect of phospholipid vesicles on the NMR relaxation of water: an explanation for the MR appearance of the neurohypophysis?, AJNR 1990; **11:** 693
Kuchel PW See **Xu ASL**
Kuchiwaki H; Nagasaka M; Takada S; et al: clinical study of radioisotope clearance from the cerebrospinal fluid space using single photon emission computed tomography, Neuroradiol 1989; **31:** 226
Kuczynski BL See **Narra RK**
Kudo M; Ikekubo K; Hino M; et al: avid accumulation of Ga-67 citrate in adenocarcinoma of pancreas, Clin Nucl Med 1989; **14:** 843
Kudo M; Ikekubo K; Yamamoto K; et al: distinction between hemangioma of the liver and hepatocellular carcinoma: value of labeled RBC-SPECT scanning, AJR 1989; **152:** 977
Kudo M; Tomita S; Tochio H; Kashida H; Hirasa M; Todo A: hepatic focal nodular hyperplasia: specific findings at dynamic contrast-enhanced US with carbon dioxide microbubbles, Radiology 1991; **179:** 377
Kudo M; Vera DR; Trudeau WL; et al: validation of in vivo receptor measurements via in vitro radioassay: technetium-99m-galactosyl-neoglycoalbumin as prototype model, J Nucl Med 1991; **32:** 1177
Kudo S See **Fukuya T**
Kudo S See **Kaneko K**
Kudryk BT; Coleman JM; Murtagh FR; et al: MR imaging of an extreme case of cerebellar ectopia in a patient with Chiari II malformation, AJNR 1991; **12:** 705
Kueh YK See **Wilde CC**
Kuenkel M; Korth K: endopyelotomy: long-term follow-up of 143 patients, (ab), JVIR 1991; **2:** 300
Kuepper W See **Vorwerk D**
Kuerer HM See **Pollack AH**
Kuethe DO; Herfkens RJ: fluid shear and spin-echo images, Magn Res Med 1989; **10:** 57
Kuethe DO; Small KW; Blinder RA: non-ferromagnetic retinal tacks are a tolerable risk in magnetic resonance imaging, Invest Radiol 1991; **26:** 1
Kufe D See **Hallahan DE**
Küffer G; Spengel F; Steckmeier B: percutaneous reconstruction of the aortic bifurcation with Palmaz stents: case report, Cardiovasc Intervent Radiol 1991; **14:** 170
Kuhajda FP See **Baker RR**
Kuhlman JE See **Bluemke DA**
Kuhlman JE See **Fishman EK**
Kuhlman JE See **Hennessey JG**
Kuhlman JE See **Herold CJ**
Kuhlman JE See **Hruban RH**
Kuhlman JE See **Kang YS**
Kuhlman JE See **Kawashima A**
Kuhlman JE See **Knowles MC**
Kuhlman JE See **Kronthal AJ**
Kuhlman JE See **Merine DS**
Kuhlman JE See **Meyers SA**
Kuhlman JE See **Ney DR**
Kuhlman JE See **Rabushka LS**
Kuhlman JE See **Reed JD Jr**

Kuhlman JE See **Ren H**
Kuhlman JE See **Scott WW Jr**
Kuhlman JE See **Trerotola SO**
Kuhlman JE: role of chest computed tomography in the diagnosis of drug-related reactions, J Thorac Imag 1991; **6-1:** 52
Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK: retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Radiographics 1991; **11:** 473
Kuhlman JE; Deutsch JH; Fishman EK; Siegelman SS: CT features of thoracic mycobacterial disease, Radiographics 1990; **10:** 413
Kuhlman JE; Fishman EK: acute abdomen in AIDS: CT diagnosis and triage, Radiographics 1990; **10:** 621
Kuhlman JE; Fishman EK: CT evaluation of enterovaginal and vesicovaginal fistulas, JCAT 1990; **14:** 390
Kuhlman JE; Fishman EK; Hamper UM; Knowles MC; Siegelman SS: computed tomographic spectrum of thoracic sarcoidosis, Radiographics 1989; **9:** 449
Kuhlman JE; Fishman EK; Hruban RH; Knowles MC; Zerhouni EA; Siegelman SS: diseases of the chest in AIDS: CT diagnosis, Radiographics 1989; **9:** 827
Kuhlman JE; Fishman EK; Milligan FD; et al: complications of endoscopic retrograde sphincterotomy: computed tomographic evaluation, Gastrointest Radiol 1989; **14:** 127
Kuhlman JE; Fishman EK; Teigen C: pulmonary septic emboli: diagnosis with CT, Radiology 1990; **174:** 211
Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS: *pneumocystis carinii* pneumonia: spectrum of parenchymal CT findings, Radiology 1990; **175:** 711
Kuhlman JE; Knowles MC; Fishman EK; Siegelman SS: premature bullous pulmonary damage in AIDS: CT diagnosis, Radiology 1989; **173:** 23
Kuhlman JE; Ren H; Hutchins GM; Fishman EK: fulminant pulmonary calcification complicating renal transplantation: CT demonstration, Radiology 1989; **173:** 459
Kuhlman JE; Teigen C; Ren H; Hurban RH; Hutchins GM; Fishman EK: amiodarone pulmonary toxicity: CT findings in symptomatic patients, Radiology 1990; **177:** 121
Kuhlman K See **Kurtz AB**
Kuhlman T See **Goldkrand JW**
Kühn A See **Herzog H**
Kuhn F-P; Kutkuhn B; Torsello G; Mödder U: renal artery stenosis: preliminary results of treatment with the Strecker stent, Radiology 1991; **180:** 367
Kuhn JP See **Afshani E**
Kuhn JP See **Brody AS**
Kuhn JP See **Steinhart JM**
Kuhn MJ See **Orron DE**
Kuhn MJ; Baker MR: optimization of low-osmolality contrast media for cranial CT: a dose comparison of two contrast agents, AJNR 1990; **11:** 847
Kuhn MJ; Clark HB; Morales A; et al: group III Möbius syndrome: CT and MR findings, AJNR 1990; **11:** 903
Kuhn MJ; Mikulis DJ; Ayoub DM; Kosofsky BE; Davis KR; Taveras JM: Wallerian degeneration after cerebral infarction: evaluation with sequential MR imaging, Radiology 1989; **172:** 179
Kuhn MJ; Shekar PC: comparative study of magnetic resonance imaging and computed tomography in the evaluation of migraine, Comput Med Imag Graph 1990; **14:** 149
Kuhn MJ; Shekar PC; Schuster J; et al: CT and MR findings in a patient with alien hand sign, AJNR 1990; **11:** 1162
Kuhns LR See **Sotomayor JL**
Kuijpers D; Jaspers R: renal masses: differential diagnosis with pulsed Doppler US, Radiology 1989; **170:** 59
Kuijpers WC See **van Rongen E**
Kuipers EJ; Brouwers TM; Hazenberg HJA: renal trapping of In-111 troponolate labeled platelets in thrombotic thrombocytopenic purpura, Clin Nucl Med 1991; **16:** 506
Kujala UM; Österman K; Kormano M; et al: patellofemoral relationships in recurrent patellar dislocation, (ab), Radiology 1990; **175:** 886
Kuji T See **Takahashi K**
Kukis DL See **Deshpande SV**
Kukora JS See **Horowitz J**
Kukwa A See **deBarry-Borowiecki B**
Kuligowska E See **Panageas E**
Kulik WJ See **Hindman BW**
Kulisevsky J; Ruscalleda J; Grau JM: MR imaging of acquired hepatocerebral degeneration, AJNR 1991; **12:** 527
Kulkarni M See **Pan G**
Kulkarni MV; Bonner FM; Abdo GJ: maxillary sinus hemangioma: MR and CT studies, JCAT 1989; **13:** 340
Kulkarni PV; Corbett JR: radioiodinated tracers for myocardial imaging, Semin Nucl Med 1990; **20:** 119
Kullendorff CM; Salmonson EC; Laurin S: diagnostic cyst puncture of multicystic kidney in neonates, Acta Radiol 1990; **31:** 287
Kuller JA See **Belfar HL**
Kullnig P See **Flueckiger F**
Kullnig P See **Müller NL**
Kullnig P: case of the season, Semin Roentgenol 1989; **24:** 75
Kullnig P; Melzer G; Hausegger K; et al: computed tomographic diagnosis of left superior vena cava and absence of the azygos vein: case report, Cardiovasc Intervent Radiol 1990; **13:** 47
Kulpati DDS See **Khastigir T**
Kulpati DDS; Gupta R; Kapoor R; et al: subclavian artery aneurysm presenting with recurrent haemoptysis—a case report, Australas Radiol 1990; **34:** 175
Kulshrestha A See **Srivastava DN**
Kulwin DR See **Rand PK**
Kumada H See **Kawakami S**
Kumada K See **Nagata Y**
Kumagaya H See **Ito H**
Kumar A See **Aggarwal S**
Kumar A See **Mafee MF**
Kumar A; Aggarwal S: case report: the sonographic appearance of cyclophosphamide-induced acute haemorrhagic cystitis, Clin Radiol 1990; **41:** 289
Kumar A; Aggarwal S; Berry M; et al: ultrasonography of carcinoma of the gallbladder: an analysis of 80 cases, JCU 1990; **18:** 715
Kumar A; MacGregor JH; Aggarwal S; et al: late solitary abdominal wall metastasis from an incidental carcinoma of the gallbladder: ultrasound demonstration, JCU 1991; **19:** 380
Kumar AJ See **Balakrishnan J**
Kumar AJ See **Blews DE**
Kumar AJ See **Runge VM**
Kumar AJ See **Sze G**
Kumar AJ See **Yousem DM**
Kumar EN See **Owen AWMC**
Kumar K See **Taneja K**
Kumar L; Kochupillai V: reversible nail loss after cancer chemotherapy, Acta Oncol 1990; **29:** 471
Kumar MV See **Sharma S**
Kumar NG See **Park JH**
Kumar PP; Good RR; McCaul GF: applicator for use of cesium-137 miniaturized tube sources in the treatment of uterine cervix cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 1509
Kumar R See **David R**
Kumar R See **Goodman P**
Kumar R See **Moser RP Jr**
Kumar R; Balachandran S; Shirkhoda A; et al: pancreatic carcinoma masquerading as renal cell carcinoma, Urol Radiol 1989; **11:** 20
Kumar R; Madewell JE; Lindell MM; Swischuk LE: fibrous lesions of bones, Radiographics 1990; **10:** 237
Kumar R; Madewell JE; Swischuk LE; Lindell MM; David R: clavicle: normal and abnormal, Radiographics 1989; **9:** 677
Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE: calcaneus: normal and abnormal, Radiographics 1991; **11:** 415
Kumar R; Moser RP Jr; Madewell JE; et al: parosteal osteogenic sarcoma arising in cranial bones: clinical and radiologic features in eight patients, AJR 1990; **155:** 113
Kumar R; Saha MM: lightening dark radiographs, Radiology 1991; **178:** 583
Kumar S See **Ravimandalam K**
Kumar S; Mandalam KR; Rao VRK; et al: percutaneous transluminal angioplasty in nonspecific aortoarteritis (Takayasu's disease): experience of 16 cases, Cardiovasc Intervent Radiol 1989; **12:** 321
Kumar S; Mandalam KR; Unni M; et al: left cervical arch and associated abnormalities, Cardiovasc Intervent Radiol 1989; **12:** 88
Kumar S; Subramanyan R; Mandalam KR; et al: aneurysmal form of aortoarteritis (Takayasu's disease): analysis of thirty cases, Clin Radiol 1990; **42:** 342
Kumar SJ See **King JB**
Kumar SJ See **Lee MS**
Kumasaka GH See **Torp-Pedersen ST**
Kumasaka Y; Harada K; Watanabe H; et al: modified epiphyseal index for MRI in Legg-Calve-Perthes disease (LCPD), Pediatr Radiol 1991; **21:** 208
Kumazaki T See **Harada T**
Kumazaki T See **Tajima H**
Kumbasar H See **Erbaş B**
Kumcuoglu Z See **Sener RN**
Kumm M See **Sommer B**
Kumpe DA See **Durham JD**
Kumpe DA See **McGuinness G**
Kumpe DA See **Redmond PL**
Kumpe DA See **Rothbarth LJ**
Kumpe DA See **Yakes WF**
Kumpe DA; Zwerdlinger SC; Rothbarth LJ; Durham JD; Albrecht BH: proximal fallopian tube occlusion: diagnosis and treatment with transcervical fallopian tube catheterization, Radiology 1990; **177:** 183
Kumpulainen E See **Gröhn P**
Kumra A See **Varma DGK**
Kun L See **Fontanesi J**
Kun LE See **Tobin RL**
Kundel HL See **Arenson RL**
Kundel HL See **Carvlin MJ**
Kundel HL See **De Roos A**
Kundel HL See **Lancaster L**
Kundel HL See **Revesz G**
Kundel HL See **Summers RM**
Kundel HL; Nodine CF; Krupinski EA: computer-displayed eye position as a visual aid to pulmonary nodule interpretation, Invest Radiol 1990; **25:** 890
Kundel HL; Nodine CF; Krupinski EA: searching for lung nodules: visual dwell indicates locations of false-positive and false-negative decisions, Invest Radiol 1989; **24:** 472
Kundel HL; Seshadri SB; Arenson RL: clinical experience with PACS at the University of Pennsylvania, Comput Med Imag Graph 1991; **15:** 197
Kundu A: local segmentation of biomedical images, Comput Med Imag Graph 1990; **14:** 173
Kung AWC; Choi P; Lam KSL; et al: discriminant factors affecting early outcome of radioiodine treatment for Graves' disease, Clin Radiol 1990; **42:** 52
Küng EE See **Spielmann RP**
Kung HF See **Kung M-P**
Kung HF See **Liu BL**
Kung HF: new technetium 99m-labeled brain perfusion imaging agents, Semin Nucl Med 1990; **20:** 150
Kung HF; Alavi A; Chang W; et al: in vivo SPECT imaging of CNS D-2 dopamine receptors: initial studies with iodine-123-IBZM in humans, J Nucl Med 1990; **31:** 573
Kung HF; Liu BL; Mankoff D; et al: new myocardial imaging agent: synthesis, characterization, and biodistribution of gallium-68-BAT-TECH, J Nucl Med 1990; **31:** 1635
Kung HF; Ohmomo Y; Kung M-P: current and future radiopharmaceuticals for brain imaging with single photon emission computed tomography, Semin Nucl Med 1990; **20:** 290
Kung HF; Pan S; Kung M-P; et al: in vitro and in vivo evaluation of $[^{123}I]$IBZM: a potential CNS D-2 dopamine receptor imaging agent, J Nucl Med 1989; **30:** 88
Kung M-P See **Kung HF**
Kung M-P; Kung HF; Billings J; et al: characterization of IBF as a new selective dopamine D-2 receptor imaging agent, J Nucl Med 1990; **31:** 648
Kung M-P; Liu B-L; Yang Y-Y; et al: kit formulation for preparation of iodine-123-IBZM: a new CNS D-2 dopamine receptor imaging agent, J Nucl Med 1991; **32:** 339
Kuni CC See **Berna JD**
Kuni CC See **Boudreau RJ**
Kuni CC See **duCret RP**
Kuni CC See **Halvorsen RA Jr**
Kuni CC See **Low RA**
Kuni CC See **Snider JF**
Kuni CC See **Tashjian J**
Kuni CC; Crass JR; duCret RP; et al: technetium-99m sulfur colloid spleen imaging following partial pancreatectomy and splenic artery and vein resection, J Nucl Med 1989; **30:** 1881
Kuni CC; duCret RP; Boudreau RJ: pancreas transplants: evaluation using perfusion scintigraphy, AJR 1989; **153:** 57
Kuni CC; Engeler CM; Nakhleh RE; et al: correlation of technetium-99m-DISIDA hepatobiliary studies with biopsies in liver transplant patients, J Nucl Med 1991; **32:** 1545
Kuni CC; Johnson TK; Crass JR; et al: correlation of Fourier spectral shift-determined hepatic acoustic attenuation coefficients with liver biopsy findings, J Ultrasound Med 1989; **8:** 631
Kuni CC; Rhame FS; Meier MJ; et al: quantitative I-123-IMP brain SPECT and neuropsychological testing in AIDS dementia, Clin Nucl Med 1991; **16:** 174
Kunimi K See **Collins VP**
Kunishio K See **Yamamoto Y**
Kunkler IH; Ludgate SM; Kerr GR: value of follow-up in FIGO stage IB carcinoma of the uterine cervix, Clin Radiol 1989; **40:** 299
Künnecke B See **Cerdan S**
Kunnen M See **Thierens H**
Kuno S-y See **Niitsu M**
Kuntsen C See **Andrews JC**
Kunz D See **Arnolds BJ**
Kuo H-C See **Chang H-C**
Kuo S-H See **Yang P-C**

Kuo Y-C; Liu J-Y; Sheen I-S; et al: ultrasonographic difficulties and pitfalls in diagnosing primary carcinoma of the gallbladder, JCU 1990; **18:** 639

Kuperus JH See **Baillet GY**

Kupfer Y See **Tessler S**

Kuramochi S See **Tsuzuki T**

Kurata C; Kobayashi A; Yamazaki N: dual tracer autoradiographic study with thallium-201 and radioiodinated fatty acid in cardiomyopathic hamsters, J Nucl Med 1989; **30:** 80

Kurata C; Sakata K; Taguchi T; et al: patent ductus arteriosus with Eisenmenger's syndrome detected by first-pass study, Clin Nucl Med 1989; **14:** 834

Kurata C; Sakata K; Taguchi T; et al: SPECT imaging with Tl-201 and Ga-67 in myocardial sarcoidosis, Clin Nucl Med 1990; **15:** 408

Kurata C; Tawarahara K; Taguchi T; et al: lung thallium-201 uptake during exercise emission computed tomography, J Nucl Med 1991; **32:** 417

Kurauchi S See **Miyake H**

Kurdziel J-C See **Dondelinger RF**

Kurdziel JC See **Goffette P**

Kurhanewicz J See **Kucharczyk J**

Kuribayashi S; Ootaki M; Tsuji M; Matsuyama S; Iwasaki H; Oota T: coronary angiographic abnormalities in mucocutaneous lymph node syndrome: acute findings and long-term follow-up, Radiology 1989; **172:** 629

Kurisu K See **Hishikawa Y**

Kurisu Y See **Leach KR**

Kuriyama K See **Inoue E**

Kuriyama K See **Nakano S**

Kuriyama K See **Narumi Y**

Kuriyama K; Tateishi R; Doi O; et al: prevalence of air bronchograms in small peripheral carcinomas of the lung on thin-section CT: comparison with benign tumors, AJR 1991; **156:** 921

Kuriyama M See **Hayakawa K**

Kuriyama M; Hayakawa K; Konishi Y; et al: MR imaging of myopathy, Comput Med Imag Graph 1989; **13:** 329

Kuriyama Y See **Kazui S**

Kurjak A; Jurkovic D; Alfirevic Z; et al: transvaginal color Doppler imaging, JCU 1990; **18:** 227

Kurjak A; Žalud I; Alfirević Ž; et al: assessment of abnormal pelvic blood flow by transvaginal color and pulsed Doppler, Ultrasound Med Biol 1990; **16:** 437

Kurjak A; Zalud I; Alfirevic Z: evaluation of adnexal masses with transvaginal color ultrasound, J Ultrasound Med 1991; **10:** 295

Kurland RJ See **Hyman TJ**

Kurlandsky LE; French G; Webb PM; et al: fatal respiratory syncytial virus pneumonitis in a previously healthy child, (ab), Radiology 1989; **171:** 295

Kuroda A See **Yoshida H**

Kuroda C See **Hosoki T**

Kuroda C See **Inoue E**

Kuroda C See **Murakami T**

Kuroda C; Sakurai M; Monden M; et al: transcatheter arterial embolization for metastatic liver tumors: a study in resected cases, Cardiovasc Intervent Radiol 1989; **12:** 72

Kuroda M See **Narumi Y**

Kuroda T See **Iwama T**

Kuroda Y See **Miki Y**

Kuroda Y See **Nishizawa S**

Kuroda Y See **Otake S**

Kurogane H See **Mori T**

Kurohiji T See **Machi J**

Kurohiji T; Sigel B; Justin J; et al: motion marking in color Doppler ultrasound needle and catheter visualization, J Ultrasound Med 1990; **9:** 243

Kuroiwa T; Hasuo K; Yasumori K; et al: transcatheter embolization of testicular vein for varicocele testis, Acta Radiol 1991; **32:** 311

Kuroiwa T; Okabe Y; Hasuo K; et al: MR imaging of pituitary dwarfism, AJNR 1991; **12:** 161

Kurokawa Y; Sohma T; Tsuchita H; et al: findings of magnetic resonance imaging in cerebral venous occlusion: difference from hemorrhagic infarction, Comput Med Imag Graph 1990; **14:** 425

Kuroki S See **Yoshioka M**

Kurosaki M See **Kobayashi A**

Kurosawa H; Yamanoi T; Yamakoshi K-i: radiographic findings of degeneration in cervical spines of middle-aged soccer players, Skeletal Radiol 1991; **20:** 437

Kursunoglu-Brahme S See **Flannigan B**

Kursunoglu-Brahme S See **Gundry CR**

Kursunoglu-Brahme S; Gundry CR; Resnick D: advanced imaging of the wrist, Radiol Clin North Am 1990; **28:** 307

Kursunoglu-Brahme S; Resnick D: magnetic resonance imaging of the shoulder, Radiol Clin North Am 1990; **28:** 941

Kursunoglu-Brahme S; Riccio T; Weisman MH; Resnick D; Zvaifler N; Sanders ME; Fix C: rheumatoid knee: role of gadopentetate-enhanced MR imaging, Radiology 1990; **176:** 831

Kursunoglu-Brahme S; Schwaighofer B; Gundry CR; et al: jogging causes acute changes in the knee joint: an MR study in normal volunteers, AJR 1990; **154:** 1233

Kurt A-M See **Sim FH**

Kurtz AB See **Blum L**

Kurtz AB See **Burk DL Jr**

Kurtz AB See **Dahnert WF**

Kurtz AB See **Feld R**

Kurtz AB See **Finberg HJ**

Kurtz AB See **Goldberg BB**

Kurtz AB See **Guglielmo FF**

Kurtz AB See **Hilpert PL**

Kurtz AB See **Liu J-B**

Kurtz AB See **March DE**

Kurtz AB See **Miller CL**

Kurtz AB See **Mitchell DG**

Kurtz AB See **Needleman L**

Kurtz AB See **Rifkin MD**

Kurtz AB See **Segal S**

Kurtz AB See **Vilaro MM**

Kurtz AB See **Wechsler RJ**

Kurtz AB: basic ultrasound examination of the uncomplicated pregnancy, Radiol Clin North Am 1990; **28:** 1

Kurtz AB; Hilbert P: ultrasound case of the day, annual meeting, 1988, Radiographics 1989; **9:** 361

Kurtz AB; Kurtz RJ: ideal fetal head circumference calculation, J Ultrasound Med 1989; **8:** 25

Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB: usefulness of a short femur in the in utero detection of skeletal dysplasias, Radiology 1990; **177:** 197

Kurtz AB; Shlansky-Goldberg RD; Choi HY; et al: detection of retained products of conception following spontaneous abortion in the first trimester, J Ultrasound Med 1991; **10:** 387

Kurtz B See **Hess CF**

Kurtz D See **Romero C**

Kurtz JM; Amalric R; Brandone H; et al: local recurrence after breast-conserving surgery and radiotherapy: frequency, time course, and prognosis. (ab), Radiology 1990; **174:** 291

Kurtz JM; Amalric R; Brandone H; et al: results of wide excision for mammary recurrence after breast-conserving therapy, (ab), Radiology 1989; **170:** 584

Kurtz JM; Jacquemier J; Amalric R; et al: breast-conserving therapy for macroscopically multiple cancers, (ab), Radiology 1991; **178:** 588

Kurtz JM; Spitalier J-M: local recurrence after breast-conserving surgery and radiotherapy: what have we learned?, Int J Radiat Oncol Biol Phys 1990; **19:** 1087

Kurtz JM; Spitalier J-M; Amalric R; et al: prognostic significance of late local recurrence after breast-conserving therapy, Int J Radiat Oncol Biol Phys 1990; **18:** 87

Kurtz RJ See **Kurtz AB**

Kurtzke JF See **Masucci EF**

Kurtzman S See **Iliakis G**

Kuru Y See **Iwasaki S**

Kuru Y See **Shimoda-Matsubayashi S**

Kuruvilla AM See **Ryoo MC**

Kurzrock R See **Cohen PR**

Kusano I See **Sudo A**

Kusano S See **Furui S**

Kushihashi T See **Munechika H**

Kushima K See **Ohno K**

Kushner M See **Greenberg JH**

Kushnir O See **Bronshtein M**

Kushnir O; Izquierdo LA; Sigman RK; et al: vaginal sonography in the diagnosis of uterine rupture, J Ultrasound Med 1990; **9:** 169

Kushnir O; Izquierdo LA; Vigil D; et al: early transvaginal sonographic diagnosis of gastroschisis, JCU 1990; **18:** 194

Kushnir O; Tamarkin M; Barkai G; et al: extrauterine amniotic sac (amniocele): clinical workup in a case of silent uterine rupture, J Ultrasound Med 1990; **9:** 367

Kushnir T; Kaplan O; Askenasy N; et al: identification of a characteristic ^{31}P NMR signal in acute experimental pancreatitis with the aid of ^{1}H–^{31}P correlated 2D measurements of intact pancreas, Magn Res Med 1989; **10:** 119

Kushnir T; Schwalb H; Yaroslavsky E; et al: apparatus for applying a mechanical massage to rat hearts inside a wide-bore NMR spectrometer, Magn Res Med 1990; **15:** 392

Kushnir U; Shalev J; Bronstein M; et al: fetal intracranial anatomy in the first trimester of pregnancy: transvaginal ultrasonographic evaluation, Neuroradiol 1989; **31:** 222

Kusić Z; Becker DV; Saenger EL; et al: comparison of technetium-99m and iodine-123 imaging of thyroid nodules: correlation with pathologic findings, J Nucl Med 1990; **31:** 393

Kuske RR See **Fields JN**

Kuske RR See **Graham MV**

Kuske RR See **Halverson KJ**

Kuske RR; Schuster R; Klein E; et al: radiotherapy and breast reconstruction: clinical results and dosimetry, Int J Radiat Oncol Biol Phys 1991; **21:** 339

Kusnierz-Glaz CR See **Erlemann R**

Kuspet M See **Gomori JM**

Kuss PA See **Morin ME**

Kussmaul WG See **Hirshfeld JW Jr**

Kustan J See **Fielding JR**

Kusui T See **Katsushima S**

Kuta AJ; Benator RM: intussusception: hydrostatic pressure equivalents for barium and meglumine sodium diatrizoate, Radiology 1990; **175:** 125

Kutcher GJ See **Burman C**

Kutcher GJ See **Fontenla DP**

Kutcher GJ See **Leibel SA**

Kutcher GJ; Burman C: calculation of complication probability factors for non-uniform normal tissue irradiation: the effective volume method, Int J Radiat Oncol Biol Phys 1989; **16:** 1623

Kutcher GJ; Burman C; Brewster L; et al: histogram reduction method for calculating complication probabilities for three-dimensional treatment planning evaluations, Int J Radiat Oncol Biol Phys 1991; **21:** 137

Kutcher GJ; Burman C; Mohan R: compensation in three-dimensional non-coplanar treatment planning, Int J Radiat Oncol Biol Phys 1991; **20:** 127

Kutcher GJ; Fuks Z; Brenner H; et al: three-dimensional photon treatment planning for carcinoma of the nasopharynx, Int J Radiat Oncol Biol Phys 1991; **21:** 169

Kutcher R See **Occhipinti K**

Kutcher TJ; Brown DC; Maurer PK; et al: dural tail adjacent to acoustic neuroma: MR features, JCAT 1991; **15:** 669

Kuten A See **Grigsby PW**

Kuten A See **Hashmonai M**

Kuten A; Grigsby PW; Perez CA; et al: results of radiotherapy in recurrent endometrial carcinoma: a retrospective analysis of 51 patients, Int J Radiat Oncol Biol Phys 1989; **17:** 29

Kutkuhn B See **Kuhn F-P**

Kutluk K See **Schumacher M**

Kutzner J See **Just M**

Kuuluvainen I See **Kiuru A**

Kuwabara H; Gjedde A: measurements of glucose phosphorylation with FDG and PET are not reduced by dephosphorylation of FDG-6-phosphate, J Nucl Med 1991; **32:** 692

Kuwabara Y See **Ichiya Y**

Kuwabara Y See **Sasaki M**

Kuwabara Y See **Tahara T**

Kuwabara Y; Ichiya Y; Otsuka M; et al: differential diagnosis of bilateral parietal abnormalities in I-123 IMP SPECT imaging, Clin Nucl Med 1990; **15:** 893

Kuwahara M; Eiho S: 3-D heart image reconstructed from MRI data, Comput Med Imag Graph 1991; **15:** 241

Kuwano K; Matsuba K; Ikeda T; et al: diagnosis of mild emphysema: correlation of computed tomography and pathology scores, (ab), Radiology 1990; **176:** 887

Kuyper SJ See **Baron RL**

Kuzuhara S See **Shintani S**

Kvaerness J; Rinck PA; Bolz K-D; et al: MR imaging of apical hypertrophic cardiomyopathy with left ventricular endomyocardial calcification, JCAT 1991; **15:** 489

Kvale PA See **Lewis JW Jr**

Kvilekval KHV; Best IM; Mason RA; et al: value of computed tomography in the management of symptomatic abdominal aortic aneurysms, (ab), Radiology 1991; **178:** 294

Kvilekval KHV; Mason RA; Newton GB; et al: complications of percutaneous intraaortic balloon pump use in patients with peripheral vascular disease, (ab), JVIR 1991; **2:** 412

Kvinnsland S See **Gundersen S**

Kvinnsland S See **Klepp R**

Kvinnsland S See **Lundgren S**

Kvinnsland S: how to improve endocrine therapy of breast cancer, Acta Oncol 1990; **29:** 387

Kvistad KA See **Anda S**

Kvols L See **Reubi JC**

Kvols LK: therapeutic considerations for the malignant carcinoid syndrome, Acta Oncol 1989; **28:** 433

Kwan ES See **Heilman CB**

Kwee IL See **Nakada T**
Kwee IL See **Suzuki N**
Kweka E See **Joyce PF**
Kweka EL See **Denath FM**
Kwiatkowski F See **Maublant JC**
Kwok CS See **Prestwich WV**
Kwok TT; Sutherland RM: epidermal growth factor modification of radioresistance related to cell-cell interactions, Int J Radiat Oncol Biol Phys 1991; **20:** 315
Kwok TT; Sutherland RM: relationship between radiation response of human squamous carcinoma cells and specific metabolic changes induced by chronic hypoxia, Int J Radiat Oncol Biol Phys 1989; **16:** 1301
Kwong JS; Munk PL; Connell DG; et al: case report 687, Skeletal Radiol 1991; **20:** 458
Kwong KK See **Cheng H-M**
Kwong KK See **Chien D**
Kyle CA; Laster RA; Burton EM; et al: subacute pituitary apoplexy: MR and CT appearance, JCAT 1990; **14:** 40
Kyle RA: multiple myeloma: an update on diagnosis and management, Acta Oncol 1990; **29:** 1
Kynaston B See **Poulsen MG**
Kyoi K See **Hiramatsu K**
Kyriakos M See **Wilson AJ**

L

Laake B See **Vatne K**
Laas J See **Heinemann M**
Laasonen A; Pyrhönen S; Kouri M; et al: effect of fractionated irradiation on cell kinetics, Acta Oncol 1991; **30:** 51
Laasonen EM See **Kinnunen J**
Labarre PG See **Michelot JM**
Labbe F See **Kalifa G**
Laberge I See **Homsy YL**
LaBerge JM See **Dick BW**
LaBerge JM See **Ring EJ**
LaBerge JM See **Saxon RR**
LaBerge JM; Doherty M; Gordon RL; Ring EJ: hilar malignancy: treatment with an expandable metallic transhepatic biliary stent, Radiology 1990; **177:** 793
LaBerge JM; Ponec DJ; Gordon RL: fallopian tube catheterization: modified fluoroscopic technique, Radiology 1990; **176:** 283
LaBerge JM; Ring EJ; Gordon RL: percutaneous intrahepatic portosystemic shunt created via a femoral vein approach, Radiology 1991; **181:** 679
Laboda LA See **Benacerraf BR**
Laboda LA See **Bromley B**
Laboda LA; Estroff JA; Benacerraf BR: first trimester bradycardia: a sign of impending fetal loss, J Ultrasound Med 1989; **8:** 561
Labonté C See **Lette J**
Laborda J; Douillard J-Y; Burg C; et al: pharmacokinetics studies of mouse monoclonal antibodies to a rat colon carcinoma: I. comparison of biodistribution in normal rats, syngeneic tumor-bearing rats, or tumor-bearing nude mice, J Nucl Med 1990; **31:** 1028
Laborde JC See **Palmaz JC**
Labovitz AJ See **Castello R**
Labs JD See **Caslowitz PL**
Labs JD; Caslowitz PL; Anderson JH; et al: canine model of controlled thrombotic vascular occlusion, Invest Radiol 1989; **24:** 446
Lacey M See **Hauser RA**
Lachenauer CS See **Mafee MF**
Lachman JW See **Stewart GJ**
Lachman RS See **Sklar DH**
Lachman RS; Stoss H; Spranger J: sponastrime dysplasia: a radiologic-pathologic correlation, Pediatr Radiol 1989; **19:** 417
Lack EE See **Baum PA**
Lack EE See **Garra BS**
Lack EE See **Nelson MC**
Lack EE See **Tagliabue JR**
Lackman RD See **Kashdan BJ**
Lackner K See **Landwehr P**
Lacombe P See **Frija G**
Lacomis D; Khoshbin S; Schick RM: MR imaging of paraneoplastic limbic encephalitis, JCAT 1990; **14:** 115
Lacquet LM See **Deneffe G**
LaCreta F See **Evans SM**
Lacy JL See **Adams R**
Ladeb MF See **Chaabane M**
Ladebeck R See **Terrier F**
Laderoute K See **Panicucci R**
Laerum F See **Stordahl A**
Laerum F; Solheim KE; Stordahl A; et al: urinary excretion of iohexol in rats with radiation injury of the intestine, Invest Radiol 1990; **25:** S115
Laffey K See **Abramson SJ**
Laffey KJ See **Markowitz DM**
Laffey KJ See **Martin EC**
Laffey KJ See **Morgenstern BR**
Laflamme L See **Brassard A**
LaFollette L; Filly RA; Anderson R; et al: fetal femur length to detect trisomy 21: a reappraisal, J Ultrasound Med 1989; **8:** 657
LaFollette PS Jr See **Ziskin MC**
Lafortune M See **Burns PN**
Lafortune M See **Jequier S**
Lafortune M See **Laperrière J**
Lafortune M See **Patriquin HB**
Lafortune M: is it calcification of the ductus venosus or calcification of the umbilical vein?, Radiology 1990; **176:** 290
Lafortune M; Madore F; Patriquin H; Breton G: segmental anatomy of the liver: a sonographic approach to the Couinaud nomenclature, Radiology 1991; **181:** 443
Lafortune M; Trinh BC; Burns PN; Breton G; Burke M; Déry R; Gianfelice D; Philie M; Côté J: air in the portal vein: sonographic and Doppler manifestations, Radiology 1991; **180:** 667
Lafoz E See **Monreal M**
Lagel KE See **Elam EA**
Lagergren C See **Kihlén B**
Lagier R See **Reust P**
Lagier R: case report 552, Skeletal Radiol 1989; **18:** 331
Lagier R: case report 591, Skeletal Radiol 1990; **19:** 69
Lagier R: spinal hyperostosis in comparative pathology: a useful approach to the concept, Skeletal Radiol 1989; **18:** 99
Lagier R; Kramar C; Baud CA: multiple bone islands in a skeleton dating from the neolithic period, Eur J Radiol 1989; **9:** 81
Lagios MD; Margolin FR; Westdahl RP; et al: mammographically detected duct carcinoma in situ: frequency of local recurrence following tylectomy and prognostic effect of nuclear grade on local recurrence, (ab), Radiology 1989; **172:** 884
Lahajnar G See **Blinc A**
Lähde S See **Päivänsalo M**
Lähde S See **Siniluoto T**
Lähde S See **Tervonen O**
Lähde S; Hyrynkangas K; Merikanto J; et al: computed tomography and mediastinoscopy in the assessment of resectability of lung cancer, Acta Radiol 1989; **30:** 169
Lahiri A See **Jain D**
Lahrech H; Briguet A: proton spectral editing in the inhomogeneous radiofrequency field of a surface coil using modified stimulated echoes, Magn Res Med 1990; **16:** 342
Lähteenmäki T See **Pukander J**
Lai ECS See **Ngan JHK**
Lai LC; Dunkley SA; Reed MJ; et al: unbound, biologically active oestradiol, sex hormone-binding globulin, epidermal growth factor and electrolytes in breast cyst fluid, Acta Oncol 1991; **30:** 71
Lai PP; Perez CA; Shapiro SJ; et al: carcinoma of the prostate stage B and C: lack of influence of duration of radiotherapy on tumor control and treatment morbidity, Int J Radiat Oncol Biol Phys 1990; **19:** 561
Laine FJ See **Darwin RH**
Laine FJ; Braun IF; Jensen ME; Nadel L; Som PM: perineural tumor extension through the foramen ovale: evaluation with MR imaging, Radiology 1990; **174:** 65
Laine FJ; Nadel L; Braun IF: CT and MR imaging of the central skull base. part 1: techniques, embryologic development, and anatomy, Radiographics 1990; **10:** 591
Laine FJ; Nadel L; Braun IF: CT and MR imaging of the central skull base: part 2. pathologic spectrum, Radiographics 1990; **10:** 797
Laing FC See **Borushok KF**
Laing FC See **Gaensler EHL**
Laing FC See **Marglin SI**
Laing FC See **Townsend RR**
Laing FC: sonographic determination of tubal rupture in patients with ectopic pregnancy: is it feasible?, Radiology 1990; **177:** 330
Laing FC: technical aspects of vaginal ultrasound, Semin US CT MR 1990; **11:** 4
Laird JR See **Moore JW**
Laissy JP See **Thiebot J**
Laissy J-P; Milon P; Freger P; et al: cervical epidural hematomas: CT diagnosis of two cases that resolved spontaneously, AJNR 1990; **11:** 394
Laissy J-P; Normand G; Monroc M; et al: spontaneous intracerebral hematomas from vascular causes: predictive value of CT compared with angiography, Neuroradiol 1991; **33:** 291
Laissy J-P; Peillon C; Clavier E; et al: transluminal angioplasty of failing infrainguinal arterial by-pass grafts: initial and long-term results in 13 patients, Cardiovasc Intervent Radiol 1990; **13:** 14
Laissy J-P; Rebibo G; Iba-Zizen M-T; et al: MR appearance of the normal chest after pneumonectomy, JCAT 1989; **13:** 248
Laitinen R See **Vorne M**
Laitinen R; Tähtinen J; Lantto T; et al: Tc-99m labeled leukocytes in imaging of patients with suspected acute abdominal inflammation, Clin Nucl Med 1990; **15:** 597
Lake JR See **Olcott EW**
Lake JR See **Truwit CL**
Lake RR See **Cohen MB**
Lakeman RF See **Ruifrok ACC**
Lakhkar BN See **Shenoy PD**
Lakshminarayanan AV; Lee S; McCutcheon MJ: MR imaging of the vocal tract during vowel production, JMRI 1991; **1:** 71
Lalande G See **Schouman-Claeys E**
Lalani Z See **Cross P**
Lalani ZH See **Jackson FI**
Lalani ZH See **Morrish DW**
Lalka SG See **Becker GJ**
Lallemand D See **Mani TM**
Lallemand D See **Mathurin J**
Lally JF See **Faro SH**
Lalmand B; Avni EF; Nasr A; et al: perinatal renal vein thrombosis: sonographic demonstration, J Ultrasound Med 1990; **9:** 437
Lam A; Cruz GB; Johnson I: extradural hematoma in neonates, J Ultrasound Med 1991; **10:** 205
Lam AH; Sachinwalla TN: imaging of ureteral duplication with a non-functioning component, Australas Radiol 1990; **34:** 64
Lam KL; Chan H-P: exposure equalization technique in mammography, Invest Radiol 1989; **24:** 154
Lam KL; Chan H-P; MacMahon H; et al: dynamic digital subtraction evaluation of regional pulmonary ventilation with nonradioactive xenon, Invest Radiol 1990; **25:** 728
Lam KN See **Fu KK**
Lam K-S See **Lam W-C**
Lam KSL See **Kung AWC**
Lam PKL See **Lau KY**
Lam S: magnetic resonance workbook, Radiology 1990; **176:** 446
Lam W-C; Herman MG; Lam K-S; Lee D-J: on-line portal imaging: computer-assisted error measurement, Radiology 1991; **179:** 871
LaManna MM; Burke G; Flicker S; et al: unusual case of pulmonary emboli, J Thorac Imag 1990; **5-2:** 81
LaManna MM; Mohama R; Slavich IL III; et al: intravenous adenosine (Adenoscan) versus exercise in the noninvasive assessment of coronary artery disease by SPECT, Clin Nucl Med 1990; **15:** 804
LaManna MM; Sussman NM; Harner RN; et al: initial experience with SPECT imaging of the brain using I-123 p-iodoamphetamine in focal epilepsy, Clin Nucl Med 1989; **14:** 428
LaMasters DL See **Orrison WW Jr**
Lamb GHR See **Lewis-Jones HG**
Lamb GHR See **Williams CE**
Lamb MN See **Millward SF**
Lamb MP See **Dudley NJ**
Lamb MP See **McConachie NS**
Lamb RB See **Lee BCP**
Lambert DT See **Shuman WP**
Lambert GD See **Dawes PJDK**
Lambert GD See **Day MJ**
Lambert H See **Roddie M**
Lambert RGW: MRI physics for physicians, Radiology 1990; **174:** 186
Lambert RGW; Becker EJ: diffuse skeletal hyperostosis in idiopathic hypoparathyroidism, Clin Radiol 1989; **40:** 212
Lambert RGW; Becker EJ; Pritzker KPH: case report 597, Skeletal Radiol 1990; **19:** 139
Lambert SR See **Kendall B**
Lambiase RE See **Cronan JJ**
Lambiase RE See **Deyoe LA**
Lambiase RE See **Dorfman GS**
Lambiase RE See **Vaccaro JP**
Lambiase RE: percutaneous abscess and fluid drainage: a critical review, Cardiovasc Intervent Radiol 1991; **14:** 143
Lambiase RE; Cronan JJ; Dorfman GS; Paolella LP; Haas RA: postoperative abscesses with enteric communication: percutaneous treatment, Radiology 1989; **171:** 497
Lambiase RE; Cronan JJ; Ridlen M: perforation of the common bile duct during endoscopic sphincterotomy: recognition on computed tomography and successful percutaneous treatment, Gastrointest Radiol 1989; **14:** 133
Lambiase RE; Dorfman GS; Cronan JJ: percutaneous management of abscesses that involve native arteries or synthetic arterial grafts, Radiology 1989; **173:** 815
Lambiase RE; Haas RA; Carney WI Jr; et al: anomalous branching of the left common carotid artery with associated atherosclerotic changes: a case report, AJNR 1991; **12:** 187
Lambiase RE; Paolella LP; Haas RA; Dorfman GS: extensive thromboembolic disease of the hand and forearm: treatment with thrombolytic therapy, JVIR 1991; **2:** 201
Lambrecht LG; Youker JE: we all play in the same sandbox, Invest Radiol 1990; **25:** 1044

Lambrecht S See **Verbanck JJ**
Lambrinidis M See **Crouzet G**
Lamego CMB; Torloni H: colorectal adenocarcinoma in childhood and adolescent: report of 11 cases and review of the literature, Pediatr Radiol 1989; **19:** 504
Laméris JS See **Brakel K**
Laméris JS See **van Overhagen H**
Laméris JS See **Veeze-Kuijpers B**
Laméris JS See **Zonderland HM**
Laméris JS; Post PJM; Zonderland HM; et al: percutaneous placement of Hickman catheters: comparison of sonographically guided and blind techniques, AJR 1990; **155:** 1097
Laméris JS; Stoker J; Nijs HGT; Zonderland HM; Terpstra OT; van Blankenstein M; Schütte HE: malignant biliary obstruction: percutaneous use of self-expandable stents, Radiology 1991; **179:** 703
Lamers CBHW See **Masclee AAM**
Lamers CBHW See **Shaw PC**
Lamers CBHW See **Tjon A Tham RTO**
Lamers CBHW See **Vasen HFA**
Lamers CBHW: gastrinoma in multiple endocrine neoplasia type 1, Acta Oncol 1991; **30:** 489
Lamers JJH See **Jager GJ**
Lamiell JM; Salazar FG; Hsia YE: Von Hippel-Lindau disease affecting 43 members of an affected kindred, (ab), Radiology 1989; **172:** 888
Lamki L See **Frontiera M**
Lamki LM See **Abdel-Nabi HH**
Lamki LM See **Babaian RJ**
Lamki LM; Buzdar AU; Singletary SE; et al: indium-111-labeled B72.3 monoclonal antibody in the detection and staging of breast cancer: a phase I study, J Nucl Med 1991; **32:** 1326
Lamki LM; Haynie TP; Podoloff DA; Kim EE: quality assurance in a nuclear medicine department, Radiology 1990; **177:** 609
Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL: metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Radiology 1990; **174:** 147
Lamki N See **David R**
Lamki N See **Shankwiler RA**
Lamki N; Athey P; Dunn G; et al: transvaginal sonographic evaluation of the retrodisplaced uterus, J Canad Assoc Radiol 1990; **41:** 291
Lamm CI; Norton KI; Murphy RJC; et al: congenital rickets associated with magnesium sulfate infusion for tocolysis, (ab), Radiology 1989; **172:** 590
Lamm I-L See **Samuelsson L**
Lammens M See **Demaerel P**
Lammens M See **Wilms G**
Lammer J See **Palmaz JC**
Lammer J: biliary endoprostheses: plastic versus metal stents, Radiol Clin North Am 1990; **28:** 1211
Lammer J; Klein GE; Kleinert R; Hausegger K; Einspieler R: obstructive jaundice: use of expandable metal endoprosthesis for biliary drainage, Radiology 1990; **177:** 789
Lammer J; Kleinert R; Pilger E; et al: contact probes for intravascular laser recanalization: experimental evaluation, Invest Radiol 1989; **24:** 190
Lammer J; Pilger E; Karnel F; Schurawitzki H; Horvath W; Riedl M; Umek H; Klein GE; Schreyer H; Kretschmer G; Haidinger D; Partsch H: laser angioplasty: results of a prospective, multicenter study at 3-year follow-up, Radiology 1991; **178:** 335
Lammert GK See **Desberg AL**
Lammert GK; Merine D; White RI Jr; et al: embolotherapy of a high-flow false aneurysm by using an occlusion balloon, thrombin, steel coils, and a detachable balloon, AJR 1989; **152:** 382
Lammie GA; Millis RR: ductal adenoma of the breast: a review of fifteen cases, (ab), Radiology 1990; **175:** 290
Lamminen AE: magnetic resonance imaging of primary skeletal muscle diseases: patterns of distribution and severity of involvement, Br J Radiol 1990; **63:** 946
Lamminen AE; Hekali PE; Tiula E; et al: acute rhabdomyolysis: evaluation with magnetic resonance imaging compared with computed tomography and ultrasonography, Br J Radiol 1989; **62:** 326
Lamminen AE; Tanttu JI; Sepponen RE; et al: magnetic resonance of diseased skeletal muscle: combined T_1 measurement and chemical shift imaging, Br J Radiol 1990; **63:** 591
Lamont AC See **Miles KA**
Lamont AC; Graebe AC; Pelmore JM; et al: ultrasound assessment of renal cortical brightness in infants: is naked eye evaluation reliable?, Invest Radiol 1990; **25:** 250
Lamont AC; Hall HS; Thompson JR; et al: Doppler ultrasound studies in renal arteries of normal newborn babies, Br J Radiol 1991; **64:** 413
Lamont G See **Stehling MK**
Lamoral Y See **Peene P**
LaMorte WW See **Peterkin GA**
Lamoureux G; Dupont RM; Ashburn WL; et al: "CORT-EX:" a program for quantitative analysis of brain SPECT data, J Nucl Med 1990; **31:** 1862
Lamoureux J-P See **Girardot C**
Lamparello PJ See **Gueder JW**
Lampe PJ See **Mulry CC**
Lampman DA; Murdoch JB; Paley M: *in vivo* proton metabolite maps using the MESA 3D technique, Magn Res Med 1991; **18:** 169
Lampmann LEH See **Sanders WHJ**
Lampmann LEH: atlas of normal and variant angiographic anatomy, Radiology 1991; **180:** 146
Lampmann LEH: interventional radiology and angiography, Radiology 1991; **178:** 676
Lamprecht A See **Herzog H**
Lampropoulos C See **Lis S**
LaNasa P See **Zablow A**
Lancaster JL; Ghiatas AA; Alyassin A; Kilcoyne RF; Bonora E; DeFronzo RA: measurement of abdominal fat with T1-weighted MR images, JMRI 1991; **1:** 363
Lancaster KT See **Dodd GD III**
Lancaster L; Bogdan AR; Kundel HL; et al: sodium MRI with coated magnetite: measurement of extravascular lung water in rats, Magn Res Med 1991; **19:** 96
Lancée CT See **Rijsterborgh H**
Lancet M See **Caspi B**
Lanciano R; Fowble B; Sergott RC; et al: results of radiotherapy for orbital pseudotumor, Int J Radiat Oncol Biol Phys 1990; **18:** 407
Lanciano RM; Martz K; Coia LR; et al: tumor and treatment factors improving outcome in stage III-B cervix cancer, Int J Radiat Oncol Biol Phys 1991; **20:** 95
Lanciano RM; Won M; Coia LR; et al: pretreatment and treatment factors associated with improved outcome in squamous cell carcinoma of the uterine cervix: a final report of the 1973 and 1978 patterns of CARE studies, Int J Radiat Oncol Biol Phys 1991; **20:** 667
Lançon J-P See **Delforge J**
Landas S See **Bonfiglio M**
Landas S See **Cragg AH**
Landas SK See **Gleason T**
Landas SK See **Nakagawa N**
Landas SK See **Smith TP**
Landay MJ; Mootz AR; Estrera AS: apparatus seen on chest radiographs after cardiac surgery in adults, Radiology 1990; **174:** 477
Landay MJ; Rollins NK: mediastinal histoplasmosis granuloma: evaluation with CT, Radiology 1989; **172:** 657
Landay MJ; Virolainen H: "hyperdense" aortic wall: potential pitfall in CT screening for aortic dissection, JCAT 1991; **15:** 561
Landberg T See **Nilsson I**
Lande A See **Berkmen YM**
Lander PH See **Dussault RG**
Landes AB; Marcus MD; Bowles WT: clinical pathologic conference: young male with irritative voiding symptoms and 30-lb weight loss, Urol Radiol 1991; **13:** 133
Landes C See **Di Rocco A**
Landgraf H See **Vallbracht C**
Landi A See **Cerofolini E**
Landis JR See **Hopper KD**
Landmann C; Hunig R: prostatic specific antigen as an indicator of response to radiotherapy in prostate cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 1073
Landry BA See **Raider L**
Landry BA; Melhem RE: pulmonary nodules secondary to total parenteral alimentation, Pediatr Radiol 1989; **19:** 456
Landry J; Tepper JE; Wood WC; et al: patterns of failure following curative resection of gastric carcinoma, Int J Radiat Oncol Biol Phys 1990; **19:** 1357
Landuyt W See **Menten J**
Landwehr P; Schindler R; Heinrich U; Dölken W; Krahe T; Lackner K: quantification of vascular stenosis with color Doppler flow imaging: in vitrl investigations, Radiology 1991; **178:** 701
Landy HJ See **Schwade JG**
Landy HJ; Daly V; Heyl PS; et al: fetal thoracentesis with unsuccessful outcome, JCU 1990; **18:** 50
Landzberg JS See **Pflugfelder PW**
Lane B See **Baker LL**
Lane B See **Marks MP**
Lane HC See **Masur H**
Lane J; Buck JL; Zeman RK: primary carcinoma of the gallbladder: a pictorial essay, Radiographics 1989; **9:** 209
Lane JM See **Potter HG**
Lane MR See **Holmes GKT**
Lane RG See **Chow H**
Lane RG See **Morrill SM**
Lane RG; Loyd MD; Chow CH; et al: improved dose homogeneity in the head and neck using computer controlled radiation therapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1531
Lane RH; Stephens DH; Reiman HM: primary retroperitoneal neoplasms: CT findings in 90 cases with clinical and pathologic correlation, AJR 1989; **152:** 83
Lane SR See **Hurwitz R**
Lang C; Huk W; Pichl J: comparison of extensive brain calcification in postoperative hypoparathyroidism on CT and NMR scan, Neuroradiol 1989; **31:** 29
Lang DB: *Helicobacter pylori*, Radiology 1991; **179:** 680
Lang DB: perinephric abscess, Radiology 1989; **172:** 426
Lang EK See **Dunnick NR**
Lang EK: organic vs functional obstruction of the fallopian tubes: differentiation with prostaglandin antagonist- and β_2-agonist-mediated hysterosalpingography and selective ostial salpingography, AJR 1991; **157:** 77
Lang EK: percutaneous infundibuloplasty: management of calyceal diverticula and infundibular stenosis, Radiology 1991; **181:** 871
Lang EK: renal, perirenal, and pararenal abscesses: percutaneous drainage, Radiology 1990; **174:** 109
Lang EK; Dunaway HE Jr; Roniger WE: selective osteal salpingography and transvaginal catheter dilatation in the diagnosis and treatment of fallopian tube obstruction, AJR 1990; **154:** 735
Lang EK; Sullivan J: management of primary and metastatic renal cell carcinoma by transcatheter embolization with iodine 125, (ab), Radiology 1989; **170:** 901
Lang EV See **Picus D**
Lang EV; Bookstein JJ: accelerated thrombolysis and angioplasty for hand ischemia in Buerger's disease, Cardiovasc Intervent Radiol 1989; **12:** 95
Lang EV; Friedman PJ: anterior wall stripe of the left lower lobe bronchus on the lateral chest radiograph: CT correlative study, AJR 1990; **154:** 33
Lang EV; Picus D: delayed rupture of a pseudoaneurysm of the costocervical trunk: treatment with therapeutic embolization, Radiology 1991; **178:** 352
Lang EV; Picus D; Marx MV; Hicks ME: massive arterial hemorrhage from the stomach and lower esophagus: impact of embolotherapy on survival, Radiology 1990; **177:** 249
Lang EV; Pinckney LE: spontaneous resolution of bile-plug syndrome, AJR 1991; **156:** 1225
Lang L See **Hwang D-R**
Lang P See **Sotiropoulos S**
Lang P; Steiger P; Faulkner K; et al: osteoporosis: current techniques and recent developments in quantitative bone densitometry, Radiol Clin North Am 1991; **29:** 49
Lang S See **Beveridge GM**
Lang W; Schweiger H; Fietkau R; Hofmann-Preiss K: spontaneous disruption of two Greenfield vena caval filters, Radiology 1990; **174:** 445
Lange DA; Zaret P; Merlotti GJ; et al: use of absorbable mesh in splenic trauma, (ab), Radiology 1989; **170:** 287
Lange R See **Kornick J**
Lange R See **McCarthy S**
Lange R See **Zawin M**
Lange RA See **Cigarroa RG**
Lange RA See **Schaefer S**
Lange RC See **Abrahams JJ**
Lange RC See **Ascher SM**
Lange RC See **Smith RC**
Lange RC; Duberg AC; McCarthy SM: evaluation of MRI contrast in the uterus using synthetic imaging, Magn Res Med 1991; **17:** 279
Langeland P See **Mehta MP**
Langen K-J; Coenen HH; Roosen N; et al: SPECT studies of brain tumors with L-3-[^{123}I] iodo-α-methyl tyrosine: comparison with PET, ^{124}IMT and first clinical results, J Nucl Med 1990; **31:** 281
Langen K-J; Roosen N; Coenen HH; et al: brain and brain tumor uptake of L-3-[^{123}I]iodo-α-methyl tyrosine: competition with natural L-amino acids, J Nucl Med 1991; **32:** 1225
Langer JC; Adzick NS; Filly RA; et al: gastrointestinal tract obstruction in the fetus, (ab), Radiology 1990; **175:** 293
Langer JE; Meyer SJF; Dalinka MK: imaging of the knee, Radiol Clin North Am 1990; **28:** 975
Langer LO Jr; Brill PW; Afshani E; et al: radiographic features of craniometadiaphyseal dysplasia, wormian bone type, Skeletal Radiol 1991; **20:** 37
Langer LO Jr; Brill PW; Ozonoff MB; Pauli RM; Wilson WG; Alford BA; Pavlov H; Drake DG: spondylometaphyseal dysplasia, corner fracture type: a heritable condition associated with coxa vara, Radiology 1990; **175:** 761

Langer M See **Kaminsky S**
Langer M; Brown R; Urie M; et al: large scale optimization of beam weights under dose-volume restrictions, Int J Radiat Oncol Biol Phys 1990; **18:** 887
Langer M; Langer R; Felix R; et al: analysis of renal and hepatic impairment by ionic and nonionic contrast media, Invest Radiol 1990; **25:** S125
Langer R See **Langer M**
Langevin RE See **Isner JM**
Langham-Brown JJ; Rhys-Williams S: computed tomography of acute orbital infection: the importance of coronal sections, Clin Radiol 1989; **40:** 471
Langholz B See **Petrovich Z**
Langille BL See **Adamson SL**
Langlands AO See **Ahern V**
Langlands AO See **McKay MJ**
Langlois SLP: fine-needle biopsy of hepatic hydatids and haemangiomas: an overstated hazard, Australas Radiol 1989; **33:** 144
Langlois YE See **Allard L**
Langlotz H See **Nolan R**
Langlotz H; Sauerbrei E; Murray S: transvaginal Doppler sonographic diagnosis of an acardiac twin at 12 weeks gestation, J Ultrasound Med 1991; **10:** 175
Langman AW See **Gooding GAW**
Langmo LS See **Torres GM**
Langmoen IA See **Sorteberg W**
Langmuir VK; Atcher RW; Hines JJ; et al: iodine-125-NRLU-10 kinetic studies and bismuth-212-NRLU-10 toxicity in LS174T multicell spheroids, J Nucl Med 1990; **31:** 1527
Langsteger W See **Lind P**
Langston JW See **Hanna SL**
Langston MY See **Marin LA**
Laniado M See **Kaminsky S**
Laniado M See **Schörner W**
Lanning RM See **von Roemeling R**
Lans M See **Economidou-Karaoglou A**
Lanska DJ See **Manon-Espaillat R**
Lanthiez P See **Greco A**
Lantinga LJ; Sprafkin RP; McCroskery JH; et al: one-year psychosocial follow-up of patients with chest pain and angiographically normal coronary arteries, (ab), Radiology 1989; **171:** 589
Lantto T See **Laitinen R**
Lantto T See **Vorne M**
Lantz BMT See **Link DP**
Lantz BMT See **Seibert JA**
Lantz PE See **Formanek AG**
Lanz U See **Feyerabend T**
Lanza LA; Putnam JB Jr; Benjamin RS; et al: response to chemotherapy does not predict survival after resection of sarcomatous pulmonary metastases, (ab), Radiology 1991; **181:** 909
Lanzer P See **Mulligan SA**
Lanzer P; Bohning D; Groen J; et al: aortoiliac and femoropopliteal phase-based NMR angiography: a comparison between FLAG and RSE, Magn Res Med 1990; **15:** 372
Lanzer P; Gross GM; Keller FS; et al: sequential 2D inflow venography: initial clinical observations, Magn Res Med 1991; **19:** 470
Lanzer P; McKibbin W; Bohning D; et al: quantitation of abdominal aortic wall dynamics in man by gradient echo NMR imaging, Magn Res Med 1990; **13:** 407
Lanzieri CF: MR imaging of the cranial nerves, AJR 1990; **154:** 1263
Lanzieri CF; Shah M; Krauss D; Lavertu P: use of gadolinium-enhanced MR imaging for differentiating mucoceles from neoplasms in the paranasal sinuses, Radiology 1991; **178:** 425
Laor T See **Jaramillo D**
Laperrière J See **Vezina JL**
Laperrière J; Lafortune M: general case of the day, Radiographics 1990; **10:** 1105
La Piana FG See **Thach AB**
La Pidus AS See **Goldstein RB**
Lapinski RH See **Skovron ML**
Lapoint JM See **Legan JM**
Lapointe J See **Lette J**
Lapointe JS See **Graeb DA**
Laposata EA: cocaine-induced heart disease: mechanisms and pathology, J Thorac Imag 1991; **6-1:** 68
Lappas JC See **Rex DK**
Laramore GE See **Pajak TF**
Laramore GE; Martz KL; Nelson JS; et al: Radiation Therapy Oncology Group (RTOG) survival data on anaplastic astrocytomas of the brain: does a more aggressive form of treatment adversely impact survival?, Int J Radiat Oncol Biol Phys 1989; **17:** 1351
Laraque D; Arena L; Karp J; et al: bone mineral content in black pre-schoolers: normative data using single photon absorptiometry, Pediatr Radiol 1990; **20:** 461
Larcos G; Brown ML; Sutton RT: diagnosis of osteomyelitis of the foot in diabetic patients: value of ^{111}In-leukocyte scintigraphy, AJR 1991; **157:** 527
Larcos G; Farlow DC; Gruenewald SM; et al: atypical appearance of an hepatic hemangioma with technetium-99m red blood cell scintigraphy, J Nucl Med 1989; **30:** 1885
Larcos G; Gruenewald SM; Antico VF: vascular compression of the superior infundibulum causing calyceal obstruction: scintigraphic findings, Clin Nucl Med 1990; **15:** 545
Larcos G; Gruenewald SM; Farlow DC; et al: Tc-99m DTPA uptake in Paget's disease of the left ilium, Clin Nucl Med 1990; **15:** 22
Lareau S; Moore R; Mainwood GW; et al: NMR probe to study function and metabolism simultaneously in isolated human cardiac tissue, Magn Res Med 1991; **20:** 312
Larêdo J-D See **Beaulé V**
Laredo J-D; Assouline E; Gelbert F; Wybier M; Merland J-J; Tubiana J-M: vertebral hemangiomas: fat content as a sign of aggressiveness, Radiology 1990; **177:** 467
Larew M See **Jantarasami T**
Largiadèr I See **Zollikofer CL**
Larheim TA; Kolbenstvedt A: osseous temporomandibular joint abnormalities in rheumatic disease: computed tomography versus hypocycloidal tomography, Acta Radiol 1990; **31:** 383
Larheim TA; Smith H-J; Aspestrand F: rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Radiology 1990; **175:** 527
LaRiviere PD: quality of high-energy x-ray beams, Br J Radiol 1989; **62:** 473
Larizza D See **Maghnie M**
Larner JM See **Zielinski JE**
Laroche B See **Dumont M**
Laromiguiere M See **Buy J-N**
Laros RK Jr See **Carrington BM**
LaRouere J; Perez-Tamayo C; Fraass B; et al: optimal coverage of peritoneal surface in whole abdominal radiation for ovarian neoplasms, Int J Radiat Oncol Biol Phys 1989; **17:** 607
LaRoy L See **Park C**
LaRoy L; Ali A; Dong P; et al: false-positive radionuclide venography caused by distended urinary bladder, Clin Nucl Med 1990; **15:** 16
LaRoy LL; Cormier PJ; Matalon TAS; et al: imaging of abdominal aortic aneurysms, AJR 1989; **152:** 785
Larrañaga J; Fandiño J; Gomez-Bueno J; et al: aspergillosis of the sphenoid sinus simulating a pituitary tumor, Neuroradiol 1989; **31:** 362
Larrow R See **Nimrod C**
Larsen C See **Lindequist S**
Larsen C See **Rasmussen F**
Larsen CF; Stigsby B; Mathiesen FK; et al: radiography of the wrist: a new device for standardized radiographs, Acta Radiol 1990; **31:** 459
Larsen CR See **Krause R**
Larsen D See **Ralls PW**
Larsen GI See **Wallington MM**
Larsen JL; Olsen KO: radiographic anatomy of the distal dural sac: a myelographic investigation of dimensions and termination, Acta Radiol 1991; **32:** 214
Larsen S See **Thomsen HS**
Larsen W: metabolic evaluation of urolithiasis, Radiology 1991; **178:** 694
Larsen W: polycystic ovarian disease, Radiology 1991; **181:** 878
Larsen W: solitary rectal ulcer syndrome: aetiology, investigation, and management, Radiology 1991; **180:** 622
Larson B; Silfverswärd C; Nilsson B; et al: prognostic factors in uterine leiomyosarcoma: a clinical and histopathological study of 143 cases, the Radiumhemmet series 1936–1981, Acta Oncol 1990; **29:** 185
Larson BJ See **Spencer SA**
Larson D; Bodell WJ; Ling C; et al: auger electron contribution to bromodeoxyuridine cellular radiosensitization, Int J Radiat Oncol Biol Phys 1989; **16:** 171
Larson DA See **Flickinger JC**
Larson DA See **Schell MC**
Larson EJ See **Azouz EM**
Larson JD See **Foster FS**
Larson JM; Ellinger DM; Zdybel PJ; et al: acute Meckel's diverticulitis: diagnosis by ultrasonography, JCU 1989; **17:** 682
Larson JM; Peirce JC; Ellinger DM; et al: validity and utility of sonography in the diagnosis of appendicitis in the community setting, AJR 1989; **153:** 687
Larson SM See **Batte WG Jr**
Larson SM See **Divgi CR**
Larson SM See **Yeh SDJ**
Larson SM; Carrasquillo JA; Colcher DC; et al: estimates of radiation absorbed dose for intraperitoneally administered iodine-131 radiolabeled B72.3 monoclonal antibody in patients with peritoneal carcinomatoses, J Nucl Med 1991; **32:** 1661
Larson TC III; Kelly WM; Ehman RL; et al: spatial misregistration of vascular flow during MR imaging of the CNS: cause and clinical significance, AJNR 1990; **11:** 1041
Larson TC III; Kelly WM; Ehman RL; et al: spatial misregistration of vascular flow during MR imaging of the CNS: cause and clinical significance, AJR 1990; **155:** 1117
Larsson A See **Geterud K**
Larsson B See **Magnusson A**
Larsson C See **Skogseid B**
Larsson EM See **Ahmadi H**
Larsson E-M; Desai P; Hardin CW; et al: venous infarction of the spinal cord resulting from dural arteriovenous fistula: MR imaging findings, AJNR 1991; **12:** 739
Larsson E-M; Holtås S; Cronqvist S; et al: comparison of myelography, CT myelography and magnetic resonance imaging in cervical spondylosis and disk herniation: pre- and postoperative findings, Acta Radiol 1989; **30:** 233
Larsson E-M; Holtås S; Nilsson O: Gd-DTPA–enhanced MR of suspected spinal multiple sclerosis, AJNR 1989; **10:** 1071
Larsson E-M; Holtås S; Zygmunt S: pre- and postoperative MR imaging of the craniocervical junction in rheumatoid arthritis, AJNR 1989; **10:** 89
Larsson E-M; Nilsson H; Holtås S; et al: coil selection for magnetic resonance imaging of the cervical and thoracic spine using a vertical magnetic field, Acta Radiol 1989; **30:** 141
Larsson H See **Henriksen O**
Larsson HBW; Frederiksen JL; Petersen J; et al: assessment of demyelination, edema, and gliosis by *in vivo* determination of T1 and T2 in the brain of patients with acute attack of multiple sclerosis, Magn Res Med 1989; **11:** 337
Larsson HBW; Stubgaard M; Frederiksen JL; et al: quantitation of blood–brain barrier defect by magnetic resonance imaging and gadolinium–DTPA in patients with multiple sclerosis and brain tumors, Magn Res Med 1990; **16:** 117
Larsson S; Lepore V; Kennergren C: atrial myxomas: results of 25 years' experience and review of the literature, (ab), Radiology 1990; **174:** 293
Larsson SG See **Duvernoy O**
Larsson SG See **Rasmussen C**
Lartigau E See **Rugg T**
Lartigau E See **Thomas C**
Lartigau E; Thomas C; Le Blanc M; et al: new high O_2 carrying perfluorochemical emulsions: toxicity, radiosensitivity of GM-CFC and development of metastases in mice, Int J Radiat Oncol Biol Phys 1989; **16:** 1153
Laschinger JC; Vannier MW; Gronemeyer S; et al: noninvasive three-dimensional reconstruction of the heart and great vessels by ECG-gated magnetic resonance imaging: a new diagnostic modality, (ab), Radiology 1989; **170:** 586
Lascombes P See **Hoeffel JC**
Lasjaunias P See **Banna M**
Lasjaunias P See **Burrows PE**
Lasjaunias P See **Terbrugge K**
Lasjaunias P See **Willinsky RA**
Lasjaunias P; Garcia-Monaco R; Rodesch G; et al: deep venous drainage in great cerebral vein (vein of Galen) absence and malformations, Neuroradiol 1991; **33:** 234
Lask D See **Yachia D**
Lasker MR See **Alvarez M**
Laskin DM See **Conway WF**
Laskoff JM See **Anderson RE**
Lasser EC: contrast reactions: eked data from contrast-reaction surveys, Invest Radiol 1990; **25:** S14
Lasser EC; Berry CC: adverse reactions to contrast media: ionic and nonionic media and steroids, Invest Radiol 1991; **26:** 402
Lasser EC; Bettmann MA; Palmer FJ; et al: iodinated contrast agents: current considerations, (ab), Radiology 1990; **174:** 904
Lasser EC; Lyon SG: inhibition of angiotensin-converting enzyme by contrast media: I. in vitro findings, Invest Radiol 1990; **25:** 698
Lasser P See **Soyer P**
Lassonde J See **Lette J**
Laster DW See **Elster AD**
Laster RA See **Kyle CA**
Lastner G See **Marcial-Vega VA**
Laszewski MJ See **Parker SL**
Latack JT See **Stricof DD**
Latchaw RE See **Eelkema E**
Latchaw RE See **Kieffer SA**
Latifi HR See **Garcia DM**
Latson LA See **Mullins CE**
Latta H See **Anders KH**
Lattes RG See **Yakes WF**
Lattimer JC; Corwin LA Jr; Stapleton J; et al: clinical and clinicopathologic effects of samarium-153-EDTMP administered intravenously to normal beagle dogs, J Nucl Med 1990; **31:** 586
Lattimer JC; Corwin LA Jr; Stapleton J; et al: clinical and clinicopathologic response of canine bone tumor patients to treatment with samarium-153-EDTMP, J Nucl Med 1990; **31:** 1316

Lau C-P See **Wong C-K**
Lau FYK See **Ruiz CE**
Lau HYC See **Hayashi AH**
Lau KC; Lo RNS; Leung MP: axillary artery counter-current aortography in the newborn with aortic arch obstruction, Pediatr Radiol 1989; **19:** 516
Lau KY; Lam PKL: systemic air embolism: a complication of ventilator therapy in hyaline membrane disease, Clin Radiol 1991; **43:** 16
Lau WH See **Sham JST**
Laub G See **Edelman RR**
Laub G See **Ehricke H-H**
Laub G See **Hausmann R**
Laub G See **Lewin JS**
Laub G See **Loeffler W**
Laub G See **Schuierer G**
Laub G: displays for MR angiography, Magn Res Med 1990; **14:** 222
Laub GA See **Masaryk TJ**
Laub GA See **Ruggieri PM**
Laub GA See **Semelka RC**
Laub M; Milman N; Müller D; et al: role of small calibre chest tube drainage for iatrogenic pneumothorax, (ab), Radiology 1991; **180:** 293
Laucirica R See **Jeanty P**
Laudahn D See **Cordes M**
Laudenslager JS See **Litvack F**
Lauder JC See **Poon FW**
Laufer I See **Hale J**
Laufer I See **Khouri MR**
Laufer I See **Levine MS**
Laufer I See **Maglinte DDT**
Laufer I See **Miller WT Jr**
Laufer I See **Rubesin SE**
Laufer I See **Torres WE**
Laufer I See **Wong K**
Laufer L; Cohen Z; Mares AJ; et al: pulmonary plasma-cell granuloma, Pediatr Radiol 1990; **20:** 289
Lauffer RB See **Jenkins BG**
Lauffer RB See **Shtern F**
Lauffer RB: mechanisms of magnetic resonance contrast enhancement by relaxivity and magnetic susceptibility agents, Invest Radiol 1990; **25:** S32
Laughlin JS: development of the technology of radiation therapy, Radiographics 1989; **9:** 1245
Lauk S See **Geist BJ**
Laurence VM; Robinson ACR: renal neoplasms in a family, Br J Radiol 1989; **62:** 83
Laurent F See **de Verbizier G**
Laurent F; Canal P; Soula G: pharmacokinetics of Ro 03-8799 in mice bearing melanosarcoma: comparison with tumors without melanin, Int J Radiat Oncol Biol Phys 1989; **16:** 1101
Laurent F; Raynaud M; Biset JM; et al: diagnosis and categorization of small bowel neoplasms: role of computed tomography, Gastrointest Radiol 1991; **16:** 115
Laurin NR; Driedger AA; Hurwitz GA; et al: cerebral perfusion imaging with technetium-99m HM-PAO in brain death and severe central nervous system injury, J Nucl Med 1989; **30:** 1627
Laurin NR; Powe JE; Driedger AA: Meckel's diverticulum in a 41-year-old patient: detection with pertechnetate scintigraphy, Clin Nucl Med 1990; **15:** 195
Laurin NR; Powe JE; Pavlosky WF; et al: multimodality imaging of early heterotopic bone formation, J Canad Assoc Radiol 1990; **41:** 93
Laurin S See **Arnbjörnsson E**
Laurin S See **Kullendorff CM**
Lauro KL See **Sones RA**
Laus M See **Present D**
Lautin E See **Katlowitz NM**
Lautin EM See **Greenan TJ**
Lautin EM; Freeman NJ; Schoenfeld AH; et al: radiocontrast-associated renal dysfunction: a comparison of lower-osmolality and conventional high-osmolality contrast media, AJR 1991; **157:** 59
Lautin EM; Freeman NJ; Schoenfeld AH; et al: radiocontrast-associated renal dysfunction: incidence and risk factors, AJR 1991; **157:** 49
Lautin EM; Rosenblatt M; Friedman AC; et al: calcification in non-Hodgkin lymphoma occurring before therapy: identification on plain films and CT, AJR 1990; **155:** 739
Lautrou J; Paris D; Schaefer M; et al: iodinated polymers: pharmacokinetics of blood-pool imaging products, Invest Radiol 1990; **25:** S109
Laval-Jeantet M See **Frija J**
Laval-Jeantet M See **Helenon O**
Lavallee DK See **Bohdiewicz PJ**
Lavandier B; Muchada R; Chignier E; et al: assessment of a potentially noninvasive method for monitoring aortic blood flow in children, Ultrasound Med Biol 1991; **17:** 107
Lavaroni A See **Leonardi M**
Lavast E-M See **Pamilo M**
Lavelle J See **London NJM**
Lavelle JM See **Miles KA**
Lavelle W See **Hayes E**
Laven JSE See **van der Grond J**
Lavender JP See **Carvalho P**
Lavender JP See **Hawkins PN**
Lavender JP See **MacSweeney JE**
Laverina CJ See **Stiles RG**
Lavertu P See **Lanzieri CF**
Lavery I See **Cohen AM**
Lavery JP; Shaw LA: sonography of the puerperal uterus, J Ultrasound Med 1989; **8:** 481
Lavigne JF See **Brassard A**
Lavy G See **Zawin M**
Law J: new phantom for mammography, Br J Radiol 1991; **64:** 116
Law J: patient dose and risk in mammography, Br J Radiol 1991; **64:** 360
Law J: recent films and screens for mammography, Br J Radiol 1990; **63:** 966
Law J; Inglis JA; Tolley DA: radiation dose to urological surgeons during x-ray fluoroscopy for percutaneous stone extraction, Br J Radiol 1989; **62:** 185
Law J; Kirkpatrick AE: films, screens and cassettes for mammography, Br J Radiol 1989; **62:** 163
Law J; Kirkpatrick AE: further comparisons of films, screens and cassettes for mammography, Br J Radiol 1990; **63:** 128
Law P; Dacie JE: avulsed Olbert balloon—an avoidable complication of percutaneous transluminal angioplasty, Clin Radiol 1989; **40:** 88
Law PJ; Bartram CI: anal endosonography: technique and normal anatomy, Gastrointest Radiol 1989; **14:** 349
Law YF; Johnston KW; Routh HF; et al: on the design and evaluation of a steady flow model for Doppler ultrasound studies, Ultrasound Med Biol 1989; **15:** 505
Lawdahl RB See **Routh WD**
Lawdahl RB; Routh WD; Vitek JJ; McDowell HA; Gross GM; Keller FS: chronic arteriovenous fistulas masquerading as arteriovenous malformations: diagnostic considerations and therapeutic implications, Radiology 1989; **170:** 1011
Lawinski CP See **MacDonald-Jankowski DS**
Lawinski CP See **Ramsdale ML**
Lawn-Tsao L See **Tercilla O**
Lawrence D See **Carrasco CH**
Lawrence DD; Carrasco CH; Fornage B; et al: percutaneous lymph node biopsy, Cardiovasc Intervent Radiol 1991; **14:** 55
Lawrence DD Jr See **Mirich D**
Lawrence JJ; Schlesinger AE; Kozlowski K; et al: unusual radiographic manifestations of chondrodysplasia punctata, Skeletal Radiol 1989; **18:** 15
Lawrence JP See **Field RE**
Lawrence M; Shiu MH: early gastric cancer: twenty-eight-year experience, (ab), Radiology 1991; **181:** 610
Lawrence PF See **Knighton RA**
Lawrence PF See **Rose SC**
Lawrence TS See **Bonner JA**
Lawrence TS See **Bruso CE**
Lawrence TS; Davis MA: selective radiosensitization and cytotoxicity of human melanoma cells using halogenated deoxycytidines and tetrahydrouridine, Int J Radiat Oncol Biol Phys 1989; **16:** 1243
Lawrence TS; Davis MA; Maybaum J; et al: dependence of halogenated pyrimidine incorporation and radiosensitization on the duration of drug exposure, Int J Radiat Oncol Biol Phys 1990; **18:** 1393
Lawrence TS; Dworzanin LM; Walker-Andrews SC; et al: treatment of cancers involving the liver and porta hepatis with external beam irradiation and intraarterial hepatic fluorodeoxyuridine, Int J Radiat Oncol Biol Phys 1991; **20:** 555
Lawrence TS; Heimburger DK; Shewach DS: effects of leucovorin and dipyridamole on fluoropyrimidine-induced radiosensitization, Int J Radiat Oncol Biol Phys 1991; **20:** 377
Lawrence TS; Tesser RJ; Ten Haken RK: application of dose volume histograms to the treatment of intrahepatic malignancies with radiation therapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1041
Lawrence W Jr See **Parker GA**
Lawrie GM; Morris GC Jr; Glaeser DH; et al: renovascular reconstruction: factors affecting long-term prognosis in 919 patients followed up to 31 years, (ab), Radiology 1990; **174:** 294
Lawry TJ; Karczmar GS; Weiner MW; et al: computer simulation of MRS localization techniques: an analysis of ISIS, Magn Res Med 1989; **9:** 299
Lawry TJ; Weiner MW; Matson GB: computer modeling of surface coil sensitivity, Magn Res Med 1990; **16:** 294
Laws DE See **Watkinson JC**
Lawson DW See **Neff CC**
Lawson JP See **Burnstein MI**
Lawson JP See **Katz LD**
Lawson JP: drug-induced lesions of the musculoskeletal system, Radiol Clin North Am 1990; **28:** 233
Lawson JP; Scott G: case report 602, Skeletal Radiol 1990; **19:** 158
Lawson MS See **Billinghurst MW**
Lawson TL See **Erickson SJ**
Lawson TL See **Foley WD**
Lawson TL See **Krubsack AJ**
Lawson TL See **Macrander SJ**
Lawson TL See **Merritt CRB**
Lawson TL See **Thorsen MK**
Lawson W See **Som PM**
Lawton CA; Barber-Derus S; Murray KJ; et al: technical modifications in hyperfractionated total body irradiation for T-lymphocyte depiete bone marrow transplant, Int J Radiat Oncol Biol Phys 1989; **17:** 319
Lawton PA; Knowles S; Karp SJ; et al: bilateral pneumothorax as a presenting feature of metastatic angiosarcoma of the scalp, Br J Radiol 1990; **63:** 132
Lax I See **af Trampe E**
Lax I See **Rotstein S**
Laxgang JA: pathophysiology of gastroesophageal reflux, Radiology 1990; **174:** 342
Layer G See **Kauczor H-U**
Layer G; Zuna I; Lorenz A; et al: computerized ultrasound B-scan texture analysis of experimental diffuse parenchymal liver disease: correlation with histopathology and tissue composition, JCU 1991; **19:** 193
Layfield L See **Kioumehr F**
Layfield L See **Lufkin R**
Layfield LJ See **Dresel SHJ**
Layton MW; Fudman EJ; Barkan A; et al: acromegalic arthropathy: characteristics and response to therapy, (ab), Radiology 1989; **171:** 293
Layton MW; Goldstein SA; Goulet RW; et al: examination of subchondral bone architecture in experimental osteoarthritis by microscopic computed axial tomography, (ab), Radiology 1989; **172:** 294
Lazar HL See **Escheiman DJ**
Lazarus CR See **Watkinson JC**
Lazeyras F See **Terrier F**
Lazzarino LG; Nicolai A; Valassi F; et al: language disturbances from mesencephalo-thalamic infarcts: identification of thalamic nuclei by CT-reconstructions, Neuroradiol 1991; **33:** 300
Lazzaroni S See **Livraghi T**
Leach KR; Kurisu Y; Carlson JE; Repa I; Epstein DH; Urness M; Sahatjian R; Hunter DW; Castaneda-Zuniga WR; Amplatz K: thrombogenicity of hydrophilically coated guide wires and catheters, Radiology 1990; **175:** 675
Leach MO See **Glaholm J**
Leach MO See **Gowland PA**
Leach MO See **Madden A**
Leach MO See **Sharp JC**
Leahy AL See **Hamilton S**
Leahy JM See **Goldwein JW**
Leal JP See **Meltzer CC**
Lean CL See **Holmes KT**
Lean CL; Mackinnon WB; Mountford CE: fucose in ^{1}H COSY spectra of plasma membrane fragments shed from human malignant colorectal cells, Magn Res Med 1991; **20:** 306
Leander P See **Fahlvik AK**
Leander P; Golman K; Klaveness J; et al: MRI contrast media for the liver: efficacy in conditions of acute biliary obstruction, Invest Radiol 1990; **25:** 1130
Leapman SB See **Bogan ML**
Leapman SB See **Don S**
Leapman SB See **Kopecky KK**
Lear JL: glycolysis: link between PET and proton MR spectroscopic studies of the brain, Radiology 1990; **174:** 328
Lear JL; Ackermann RF: quantification of patterns of regional cardiac metabolism, Radiology 1990; **176:** 659
Lear JL; Feyerabend AJ; Gregory C: two-compartment, two-sample technique for accurate estimation of effective renal plasma flow: theoretical development and comparison with other methods, Radiology 1989; **172:** 431
Lear JL; Kasliwal RK; Feyerabend AJ; Pratt JP; Bunn PA; Dienhart DG; Gonzalez R; Johnson TK; Bloedow DC; Maddock SW; Glenn SD: improved tumor imaging with radiolabeled monoclonal antibodies by plasma clearance of unbound antibody with anti-antibody column, Radiology 1991; **179:** 509
Lear JL; Manco-Johnson M; Feyerabend AJ; Anderson G; Robinson D: ultra-high-speed teleradiology with ISDN technology, Radiology 1989; **171:** 862
Lear JL; Pratt JP; Roberts DR; Johnson TK; Feyerabend A: gamma camera image acquisition, display, and processing with the personal microcomputer, Radiology 1990; **173:** 241

Learmonth ID; Maloon S; Dall G: core decompression for early atraumatic osteonecrosis of the femoral head, (ab), Radiology 1990; **177:** 894
Leary DL See Weiskittel DA
Leary DL; Weiskittel DA; Blane CE; et al: follow-up imaging of benign pediatric liver tumors, Pediatr Radiol 1989; **19:** 234
Leatherbarrow B See Whitehouse RW
Leathers CW See Kraft SL
Leavitt DD See McNeely LK
Leavitt DD; Schiager KJ: environmental issues in radiology: control and disposal of hazardous wastes, Invest Radiol 1990; **25:** 942
Leavitt DD; Stewart JR; Earley L: improved dose homogeneity in electron arc therapy achieved by a multiple-energy technique, Int J Radiat Oncol Biol Phys 1990; **19:** 159
Leavitt DD; Stewart JR; Moeller JH; et al: electron arc therapy: design, implementation and evaluation of a dynamic multi-vane collimator system, Int J Radiat Oncol Biol Phys 1989; **17:** 1089
Leavitt DD; Stewart JR; Moeller JH; et al: optimization of electron arc therapy doses by multi-vane collimator control, Int J Radiat Oncol Biol Phys 1989; **16:** 489
Leavitt RY See Travis WD
Lebeau B See de Fenoyl O
LeBel L See Brassard A
Le Bel L See Huot D
Lebel MH; McCracken GH Jr: delayed cerebrospinal fluid sterilization and adverse outcome of bacterial meningitis in infants and children, (ab), Radiology 1989; **173:** 296
Lebensart P See Korman SH
Lebensart P See Sherer DM
Lebensart PD See Bloom RA
Lebensart PD See Fine H
Leber C See Golimbu CN
Le Bihan D See Moonen CTW
Le Bihan D See Turner R
Le Bihan D: diffusion/perfusion MR imaging of the brain: from structure to function, Radiology 1990; **177:** 328
Le Bihan D: magnetic resonance imaging of perfusion, Magn Res Med 1990; **14:** 283
Le Bihan D; Delannoy J; Levin RL: temperature mapping with MR imaging of molecular diffusion: application to hyperthermia, Radiology 1989; **171:** 853
Le Bihan D; Moonen CTW; van Zijl PCM; et al: measuring random microscopic motion of water in tissues with MR imaging: a cat brain study, JCAT 1991; **15:** 19
Le Bihan D; Turner R: intravoxel incoherent motion imaging using spin echoes, Magn Res Med 1991; **19:** 221
Le Bihan D; Turner R; MacFall JR: effects of intravoxel incoherent motions (IVIM) in steady-state free precession (SSFP) imaging: application to molecular diffusion imaging, Magn Res Med 1989; **10:** 324
Le Bihan D; Turner R; Moonen CTW; Pekar J: imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, JMRI 1991; **1:** 7
LeBlanc AD; Schneider VS; Engelbretson DA; et al: precision of regional bone mineral measurements obtained from total-body scans, J Nucl Med 1990; **31:** 43
LeBlanc J See Moore EH
LeBlanc J; Carrier G; Ferland S; et al: fibrovascular polyp of the esophagus with computed tomographic and pathological correlation, J Canad Assoc Radiol 1990; **41:** 87
Le Blanc M See Lartigau E
LeBoit PE See Baron AL
LeBolt SA; Turner MA: enterolithiasis as a cause of intestinal obstruction, J Canad Assoc Radiol 1989; **40:** 119
Lebowitz RL See Bernstein GT
Lebowitz RL See Braverman RM
Lebowitz RL See Dangman BC
Lebowitz RL See Docimo SG
Lebowitz RL See Jaramillo D
Lebowitz RL See Paltiel HJ
Lebowitz RL See Preston A
Lebowitz RL See Share JC
Lebowitz RL See Vaid YN
Lebowitz RL See Winters WD
Lebowitz RL See Zerin JM
Lebrec D See Vilgrain V
LeBrun GP See Moote DJ
Le Cheong L; Khan AN; Armstrong GR: ultrasonic demonstration of an intraluminal pseudomembrane in the gallbladder: a definitive sign of acute cholecystitis?, JCU 1989; **17:** 449
Le Cheong L; Khan AN; Bisset RAL: sonographic features of a renal pelvic neurofibroma, JCU 1990; **18:** 129
le Chevalier T See Arriagada R
Lechner G See Jantsch H
Lechner GL; Frank W; Jantsch H; Pichler W; Hall DA; Waneck R; Wunderlich M: lymphoid follicular hyperplasia in excluded colonic segments: a radiologic sign of diversion colitis, Radiology 1990; **176:** 135
Lechner P See Lind P
Lecky DM See Barnett FJ
Lecky DM See Montecalvo RM
Leclef B See Hashimoto Y
Leclerc F See Lemaitre L
Leclerc J See Illescas FF
Leclerc Y; Verreault J; Bisson G: diffuse lung uptake of technetium-99m sulfur colloid in malaria, J Nucl Med 1989; **30:** 117
Leclercq F See Osculati F
Leclere J See Ollivier L
LeCouteur RA; Gillette EL; Powers BE; et al: peripheral neuropathies following experimental intraoperative radiation therapy (IORT), Int J Radiat Oncol Biol Phys 1989; **17:** 583
Lecoz P See Biondi A
Lecumberri FJ See Franquet T
Leder RA See Cohan RH
Leder RA See Debatin JF
Leder RA See Dunnick NR
Leder RA; Dunnick NR: transitional cell carcinoma of the pelvicalices and ureter, AJR 1990; **155:** 713
Lederer E See Goldfarb RA
Lederle FA; Nichol KL; Parenti CM: bronchoscopy to evaluate hemoptysis in older men with nonsuspicious chest roentgenograms, (ab), Radiology 1989; **173:** 883
Lederle FA; Walker JM; Reinke DB: selective screening for abdominal aortic aneurysms with physical examinations and ultrasound, (ab), Radiology 1989; **170:** 581
Lederman HM See Towbin RB
Ledesma-Medina J See Bender TM
Ledesma-Medina J; Bender TM; Oh KS: radiographic manifestations of anomalies of the limbs, Radiol Clin North Am 1991; **29:** 383
Ledgerwood AM See Hayward SR
Leditschke JF See Ratcliffe J
Le Doussal J-M; Martin M; Gautherot E; et al: in vitro and in vivo targeting of radiolabeled monovalent and divalent haptens with dual specificity monoclonal antibody conjugates: enhanced divalent hapten affinity for cell-bound antibody conjugate, J Nucl Med 1989; **30:** 1358
Ledoux R See Lette J
Lee A See Spencer JAD
Lee A; Mena IG; Miller B: cerebral hypoxic injury detected by Tc-HMPAO SPECT, Clin Nucl Med 1989; **14:** 482
Lee AS See Reimer P
Lee AS See Senéterre E
Lee AS See Weissleder R
Lee AS; Weissleder R; Brady TJ; Wittenberg J: lymph nodes: microstructural anatomy at MR imaging, Radiology 1991; **178:** 519
Lee AWM; Cheng LOC; Ng SH; et al: magnetic resonance imaging in the clinical diagnosis of late temporal lobe necrosis following radiotherapy for nasopharyngeal carcinoma, Clin Radiol 1990; **42:** 24
Lee AWM; Ng SH; Ho JHC; et al: clinical diagnosis of late temporal lobe necrosis following radiation therapy for nasopharyngeal carcinoma, (ab), Radiology 1989; **170:** 589
Lee AWM; Sham JST; Poon YF; et al: treatment of stage I nasopharyngeal carcinoma: analysis of the patterns of relapse and the results of withholding elective neck irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 1183
Lee BCP See Deck MDF
Lee BCP: head and neck imaging, Radiology 1990; **175:** 416
Lee BCP; Black ML; Lamb RB; et al: CT evaluation of the temporal bone ossicles by using oblique reformations: a technical note, AJNR 1989; **10:** 431
Lee BCP; Brock JM; Fan T; et al: ^{31}P spectroscopy in thrombolytic treatment of experimental cerebral infarct, AJNR 1989; **10:** 47
Lee BH See Lee KS
Lee BH See Lee Y
Lee BI See Becker GJ
Lee BI See Shen W
Lee C See Runge VM
Lee C-C See du Boulay GH
Lee CH See Han MH
Lee CH See Kang W-M
Lee CKK See Rhee JG
Lee CKK See Uda M
Lee CKK; Aeppli DM; Bloomfield CD; et al: curative radiotherapy for laparotomy-staged IA, IIA, IIIA Hodgkin's disease: an evaluation of the gains achieved with radical radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 547
Lee CKK; Song CW; Rhee JG; et al: clinical experience with thermotron RF-8 capacitive heating for bulky tumors: University of Minnesota experience, Radiol Clin North Am 1989; **27:** 543
Lee CP See Chan FY
Lee D See Chang JC
Lee DH See Brothers MF
Lee DH See Choi BI
Lee DH See Fox AJ
Lee DH See Kucharczyk W
Lee DH See Lim JH
Lee DH: mechanisms of contrast enhancement in magnetic resonance imaging, J Canad Assoc Radiol 1991; **42:** 6
Lee DH; Lim JH; Ko YT: afferent loop syndrome: sonographic findings in seven cases, AJR 1991; **157:** 41
Lee DH; Lim JH; Ko YT; et al: sonographic detection of pneumoperitoneum in patients with acute abdomen, AJR 1990; **154:** 107
Lee DH; Simon JH; Szumowski J; Feasby TE; Karlik SJ; Fox AJ; Pelz DM: optic neuritis and orbital lesions: lipid-suppressed chemical shift MR imaging, Radiology 1991; **179:** 543
Lee DH; Wriedt CH; Kaufmann JCE; et al: evaluation of three embolic agents in pig rete, AJNR 1989; **10:** 773
Lee D-J See Epstein BE
Lee D-J See Lam W-C
Lee D-J See North CA
Lee D-J See Roberts TJ
Lee D-J; Liberman FZ; Park RI; Zinreich ES: intraoperative I-125 seed implantation for extensive recurrent head and neck carcinomas, Radiology 1991; **178:** 879
Lee D-J; Pajak TF; Stetz J; et al: phase I/II study of the hypoxic cell sensitizer misonidazole as an adjunct to high fractional dose radiotherapy in patients with unresectable squamous cell carcinoma of the head and neck: a RTOG randomized study (#79-04), Int J Radiat Oncol Biol Phys 1989; **16:** 465
Lee DS See Kim SE
Lee E; Wang J-z; Mezrich R: variation of lateral ventricular volume during the cardiac cycle observed by MR imaging, AJNR 1989; **10:** 1145
Lee ER See Samulski TV
Lee F See Lee F Jr
Lee F See Littrup PJ
Lee F See Mettlin C
Lee F See Torp-Pedersen ST
Lee F See Zainea GG
Lee F Jr; Bronson JP; Lee F; Torp-Pedersen ST; Siders DB; Thornbury JR; McHugh TA: nonpalpable cancer of the prostate: assessment with transrectal US, Radiology 1991; **178:** 197
Lee F Jr; Bronson JP; Lerner RM; Parker KJ; Huang S-R; Roach DJ: sonoelasticity imaging: results in in vitro tissue specimens, Radiology 1991; **181:** 237
Lee F Jr; Torp-Pedersen ST; Littrup PJ; McLeary RD; McHugh TA; Smid AP; Stella PJ; Borlaza GS: hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate-specific antigen, Radiology 1989; **170:** 29
Lee F Jr; Torp-Pedersen ST; Siders DB; Littrup PJ; McLeary RD: transrectal ultrasound in the diagnosis and staging of prostatic carcinoma, Radiology 1989; **170:** 609
Lee F-Y See Lin H-J
Lee FYF; Siemann DW: isolation by flow cytometry of a human ovarian tumor cell subpopulation exhibiting a high glutathione content phenotype and increaed resistance to adriamycin, Int J Radiat Oncol Biol Phys 1989; **16:** 1315
Lee G See Hindman BW
Lee G See Park JH
Lee G See Raptopoulos V
Lee GK See Choi BI
Lee GK See Denny DF Jr
Lee H-B; Blaufox MD: technetium-99m MAG-3 clearances after captopril in experimental renovascular hypertension, J Nucl Med 1989; **30:** 666
Lee H-C See Tsai T-C
Lee HJ See Yoo S-J
Lee HK; Skarzynski JJ; Spadaro A: bilateral basal Xe-133 retention and ventilation/perfusion patterns in mild and subclinical congestive heart failure, Clin Nucl Med 1989; **14:** 885
Lee HP See Kim SH
Lee J See Chapman JD
Lee J See Mannan RH
Lee J-D See Hsieh T-T
Lee JD See Im J-G
Lee JD; Choe KO; Kim SJ; et al: CT findings in primary thymic carcinoma, JCAT 1991; **15:** 429
Lee JH See Chang KH
Lee JH See Choi BI
Lee J-H; Weissman BN; Nikpoor N; Aliabadi P; Sosman JL: lipohemarthrosis of the knee: a review of recent experiences, Radiology 1989; **173:** 189
Lee JJ See Cochran ST
Lee JK See Yao L
Lee JK; Yao L: tibial collateral ligament bursa: MR imaging, Radiology 1991; **178:** 855

Lee JKT See **Brown JJ**
Lee JKT See **Eilenberg SS**
Lee JKT See **Engels JT**
Lee JKT See **Heiken JP**
Lee JKT See **Korobkin M**
Lee JKT See **Liou JTS**
Lee JKT See **Martin K**
Lee JKT See **Mirowitz SA**
Lee JKT See **Schertz LD**
Lee JKT See **Solomon SL**
Lee JKT: recent advances in magnetic resonance imaging of renal masses, J Canad Assoc Radiol 1991; **42:** 185
Lee JKT; Glazer HS: controversy in the MR imaging appearance of fibrosis, Radiology 1990; **177:** 21
Lee JM See **Brown JJ**
Lee JN See **Brown DG**
Lee JN See **Farzaneh F**
Lee JN See **Spritzer CE**
Lee JN; Riederer SJ; Pelc NJ: flow-compensated limited flip angle MR angiography, Magn Res Med 1989; **12:** 1
Lee JPK; Ngai RLC: mesenteric giant lymph node hyperplasia—report of a case and review of the literature, Australas Radiol 1990; **34:** 162
Lee JR See **Manns RA**
Lee JR See **Wallis MG**
Lee JS See **Kim SH**
Lee JT; Kim MJ; Yoo HS; et al: primary leiomyosarcoma of the greater omentum: CT findings, JCAT 1991; **15:** 92
Lee JY See **Kim RY**
Lee JY See **Mulligan SA**
Lee JY See **Saleh MN**
Lee KJ See **Gropler RJ**
Lee KJ See **Southee AE**
Lee KJ; Wallis JW; Miller TR: clinical role of radionuclide imaging in cardiac transplantation, J Thorac Imag 1990; **5-3:** 73
Lee KKW; Schraut WH: diagnosis and treatment of duodenoenteric fistulas complicating Crohn's disease, (ab), Radiology 1989; **173:** 585
Lee KP See **Jensen MC**
Lee KP See **Ralls PW**
Lee KP See **Rice S**
Lee KP See **Sie A**
Lee KP See **Sullivan RR**
Lee KR See **Cox GG**
Lee KR; Siegel EL; Templeton AW; Dwyer SJ III; Murphey MD; Wetzel LH: state-of-the-art digital radiography, Radiographics 1991; **11:** 1013
Lee KR; Templeton AW; Cox GG; et al: digital venography of the lower extremity, AJR 1989; **153:** 413
Lee KS See **Im J-G**
Lee KS See **Whang SH**
Lee KS; Bae WK; Lee BH; Kim IY; Choi EW; Lee BH: bronchovascular anatomy of the upper lobes: evaluation with thin-section CT, Radiology 1991; **181:** 765
Lee KS; Im J-G; Bae WK; et al: CT anatomy of the lingular segmental bronchi, JCAT 1991; **15:** 86
Lee KS; Im J-G; Han CH; et al: malignant primary germ cell tumors of the mediastinum: CT features, AJR 1989; **153:** 947
Lee KS; Im J-G; Kim YH; Hwang SH; Bae WK; Lee BH: treatment of thoracic multiloculated empyemas with intracavitary urokinase: a prospective study, Radiology 1991; **179:** 771
Lee KS; Kim YH; Kim WS; et al: endobronchial tuberculosis: CT features, JCAT 1991; **15:** 424
Lee KS; Kim WS; Yang SO; et al: CT features of histiocytic medullary reticulosis, Clin Radiol 1990; **41:** 201
Lee KS; Rossleigh MA; Fernandes VB; et al: scintigraphic features of malignant epithelioid hemangioendothelioma, Clin Nucl Med 1989; **14:** 501
Lee L-N See **Yang P-C**
Lee MC See **Yang S-O**
Lee MJ See **Goldberg MA**
Lee MJ See **Morrison MC**
Lee MJ See **Mueller PR**
Lee MJ; Breathnach E: case report: CT and MRI findings in paraoesophageal omental herniation, Clin Radiol 1990; **42:** 207
Lee MJ; Corrigan J; Stack JP; et al: comparison of modern imaging modalities in osteonecrosis of the femoral head, Clin Radiol 1990; **42:** 427
Lee MJ; Dowsett DJ; Ennis JT: peripheral arteriovenous malformation: diagnosis and localization by intraarterial injection of technetium-99m-MAA, J Nucl Med 1990; **31:** 1557
Lee MJ; Grogan L; Meehan S; et al: case report: pleural granulocytic sarcoma: CT characteristics, Clin Radiol 1991; **43:** 57
Lee MJ; Hahn PF; Papanicolaou N; Egglin TK; Saini S; Mueller PR; Simeone JF: benign and malignant adrenal masses: CT distinction with attenuation coefficients, size, and observer analysis, Radiology 1991; **179:** 415
Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF: occlusion of biliary endoprostheses: presentation and management, Radiology 1990; **176:** 531
Lee MJ; Saini S; Brink JA; et al: treatment of critically ill patients with sepsis of unknown cause: value of percutaneous cholecystostomy, AJR 1991; **156:** 1163
Lee MJ; Saini S; Compton CC; et al: MR demonstration of edema adjacent to a liver metastasis: pathologic correlation, AJR 1991; **157:** 499
Lee MJ; Saini S; Geller SC; et al: pancreatitis with pseudoaneurysm formation: a pitfall for the interventional radiologist, AJR 1991; **156:** 97
Lee MJ; Saini S; Hamm B; et al: focal nodular hyperplasia of the liver: MR findings in 35 proved cases, AJR 1991; **156:** 317
Lee MJ; Yoder IC; Papanicolaou N; et al: large Gartner duct cyst associated with a solitary crossed ectopic kidney: imaging features, JCAT 1991; **15:** 149
Lee MM; Schinella RA: pulmonary calcification caused by *Pneumocystis carinii* pneumonia: a clinicopathological study of 13 cases in acquired immune deficiency syndrome patients, (ab), Radiology 1991; **180:** 885
Lee MS; Harcke HT; Kumar SJ; Bassett GS: subtalar joint coalition in children: new observations, Radiology 1989; **172:** 635
Lee MW See **Economopoulos GC**
Lee R; Fisher MR: MR imaging of cardiac metastases from malignant fibrous histiocytoma, JCAT 1989; **13:** 126
Lee RA; Charboneau JW: ultrasound case of the day, Radiographics 1990; **10:** 954
Lee RA; Lewis BD: ultrasound case of the day, Radiographics 1990; **10:** 369
Lee RE See **Anderson CM**
Lee RE See **Saloner D**
Lee RR See **Meyer JE**
Lee RW-K See **Thompson SN**
Lee S See **Fujita N**
Lee S See **Geis JR**
Lee S See **Lakshminarayanan AV**
Lee S-D See **Huang Y-S**
Lee SE See **Kim SH**
Lee SH See **McGrath FP**
Lee SH See **Zhou J**
Lee SH: case of the month: the warm and tender hip, Br J Radiol 1989; **62:** 495
Lee SH; Bartram CI: determining the minimal interval between cleansing water enema and double-contrast barium enema examination, Clin Radiol 1990; **41:** 331
Lee SH; Burhenne HJ: clinical experience with biliary extracorporeal shock wave lithotripsy, Radiol Clin North Am 1990; **28:** 1265
Lee SH; Burhenne HJ: extrahepatic bile duct angulation by T-tube: the elbow sign, Gastrointest Radiol 1991; **16:** 157
Lee SH; Burhenne HJ: persistence of symptoms after gall bladder clearance with cholecystolithotripsy, (ab), Radiology 1991; **181:** 610
Lee SH; Fache JS; Burhenne HJ: value of extracorporeal shock-wave lithotripsy in the management of bile duct stones, AJR 1990; **155:** 775
Lee SH; Gibney RG; Burhenne HJ: biliary extracorporeal shock wave lithotripsy in the treatment of an impacted stone in bile duct diverticulum, Gastrointest Radiol 1990; **15:** 317
Lee SH; Goodacre BW; Scudamore CH: case report: unusual appearance of a giant adrenal pseudocyst, Clin Radiol 1991; **43:** 349
Lee SH; Kitchens HH; Kim BS: adenocarcinoma of the urachus: CT features, JCAT 1990; **14:** 232
Lee SH; Sanderson J: case report: hypophosphataemic rickets and melorheostosis, Clin Radiol 1989; **40:** 209
Lee SK; Morris RF; Cramer B: percutaneous needle aspiration of neonatal lung abscesses, Pediatr Radiol 1991; **21:** 254
Lee SO See **Kim CK**
Lee SO See **Palestro CJ**
Lee SP See **Baron RL**
Lee SR; Sanches J; Mark AS; Dillon WP; Norman D; Newton TH: posterior fossa hemangioblastomas: MR imaging, Radiology 1989; **171:** 463
Lee SY; Cho ZH: localized volume selection technique using an additional radial gradient coil, Magn Res Med 1989; **12:** 56
Lee T See **Shalev S**
Lee T; Maynard N; Anslow P; et al: post-myelogram headache—physiological or psychological?, Neuroradiol 1991; **33:** 155
Lee T-M See **Ogawa S**
Lee TY See **Huda W**
Lee TY See **Wan YL**
Lee VW See **Eschelman DJ**
Lee VW; Chen H; Panageas E; et al: subcutaneous Kaposi's sarcoma: thallium scan demonstration, Clin Nucl Med 1990; **15:** 569
Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA: pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Radiology 1991; **180:** 409
Lee W-H See **Ho PSP**
Lee WJ See **Choi BI**
Lee WJ See **Im J-G**
Lee WJ See **Patel U**
Lee WJ; Patel U: complications of universal ureteral stent, Cardiovasc Intervent Radiol 1989; **12:** 329
Lee Y See **Kang HS**
Lee Y; Lee BH; Park JH; et al: balloon dilatation of intrahepatic biliary strictures for percutaneous extraction of residual intrahepatic stones, Cardiovasc Intervent Radiol 1991; **14:** 102
Lee YB See **Kim H**
Lee Y-C See **Yang P-C**
Lee Y-S See **Chua SO**
Lee YW See **Park JH**
Lee Y-Y See **De Pena CA**
Lee Y-Y See **Van Tassel P**
Lee Y-Y; Tien RD; Bruner JM; et al: loculated intracranial leptomeningeal metastases: CT and MR characteristics, AJNR 1989; **10:** 1171
Lee Y-Y; Tien RD; Bruner JM; et al: loculated intracranial leptomeningeal metastases: CT and MR characteristics, AJR 1990; **154:** 351
Lee Y-Y; Van Tassel P: craniofacial chondrosarcomas: imaging findings in 15 untreated cases, AJNR 1989; **10:** 165
Lee Y-Y; Van Tassel P: intracranial oligodendrogliomas: imaging findings in 35 untreated cases, AJNR 1989; **10:** 119
Lee Y-Y; Van Tassel P; Bruner JM; et al: juvenile pilocytic astrocytomas: CT and MR characteristics, AJNR 1989; **10:** 363
Leeds NE See **Kieffer SA**
Leeds NE See **Noto AM**
Leeds NE See **Segall HD**
Leekam RN See **Shankar L**
Leeming BWA See **Kim D**
Leen GLS; Finlay M: CT diagnosis of gall stone ileus, Acta Radiol 1990; **31:** 497
Leen V See **Cronan JJ**
Lees WR See **Chisholm RA**
Lees WR See **Donald JJ**
Lees WR See **Jones SN**
Lees WR See **Lloyd MNH**
Lees WR; Kellett MJ: gall-bladder stones: new roles for the radiologist, Clin Radiol 1989; **40:** 561
Leese PT See **Lim KO**
Leetzow ML See **Felmlee JP**
Lefaivre J-F See **Patriquin HB**
Lefcoe MS See **Silver SF**
Lefebvre J-FP See **Bonnel DH**
Leff SL; Kronfeld G; Leonidas JC: aneurysm of the vein of Galen: ultrasound, MRI and angiographic correlations, Pediatr Radiol 1989; **20:** 98
Lefkovitz Z See **Ortiz O**
Le Floch O See **Calais G**
Lefor AT; Merino MM; Steinberg SM; et al: computerized tomographic prediction of extraluminal spread and prognostic implications of lesion width in esophageal cancer, (ab), Radiology 1989; **171:** 290
Le Gall C See **Tran-Minh VA**
Legan JM; Burkhard TK; Goff WB II; Balsara ZN; Martinez AJ; Burks DD; Kallman DA; O'Brien TJ; Lapoint JM: tears of the glenoid labrum: MR imaging of 88 arthroscopically confirmed cases, Radiology 1991; **179:** 241
Legarth J; Nolsoe C: Doppler blood velocity waveforms and the relation to peripheral resistance in the brachial artery, J Ultrasound Med 1990; **9:** 449
Legault P See **Ammann H**
Legendre C See **Hanna S**
Legnaioli M See **Gallini C**
Legorreta RA See **Denman DL**
Legorreta RA See **Sundararaman S**
Legrand I See **Garel C**
Le Guillou M See **Grenier N**
Lehár SC See **Wildenhain PM**
Lehar SC; Zajko AB; Koneru B; et al: splenic infarction complicating pediatric liver transplantation: incidence and CT appearance, JCAT 1990; **14:** 362
Lehman GA See **Rex DK**
Lehman WB See **Gerscovich EO**
Lehmann B See **Bucciolini M**
Lehmann B; Fanucci E; Gigli F; et al: signal suppression of normal liver tissue by phase corrected inversion recovery: a screening technique, JCAT 1989; **13:** 650
Lehne G; Lote K: pulmonary toxicity of cytotoxic and immunosuppressive agents: a review, Acta Oncol 1990; **29:** 113
Lehner B See **Strauss LG**
Lehner KB; Rechl HP; Gmeinwieser JK; Heuck AF; Lukas HP; Kohl HP: structure, function, and degeneration of bovine hyaline cartilage: assessment with MR imaging in vitro, Radiology 1989; **170:** 495

Lehnert S See El-Khatib E
Lehnert S; El-Khatib E: use of CT densitometry in the assessment of radiation-induced damage to the rat lung: a comparison with other endpoints, Int J Radiat Oncol Biol Phys 1989; **16:** 117
Lehrman BJ; Nisenbaum HL; Glasser SA; et al: uterine myolipoma: magnetic resonance imaging, computed tomographic, and ultrasound appearance, J Ultrasound Med 1990; **9:** 665
Lehto V-P; Pontén J: tumor markers in human biopsy material, Acta Oncol 1989; **28:** 743
Lehtonen T See Halme A
Lehtovirta P See Cacciatore B
Leibel S See Marcial-Vega VA
Leibel S See Order S
Leibel SA See Fuks Z
Leibel SA See Linstadt D
Leibel SA; Guse C; Order SE; et al: accelerated fractionation radiation therapy for liver metastases: selection of an optimal patient population for the evaluation of late hepatic injury in RTOG studies, Int J Radiat Oncol Biol Phys 1990; **18:** 523
Leibel SA; Gutin PH; Wara WM; et al: survival and quality of life after interstitial implantation of removable high-activity iodine-125 sources for the treatment of patients with recurrent malignant gliomas, Int J Radiat Oncol Biol Phys 1989; **17:** 1129
Leibel SA; Kutcher GJ; Harrison LB; et al: improved dose distributions for 3D conformal boost treatments in carcinoma of the nasopharynx, Int J Radiat Oncol Biol Phys 1991; **20:** 823
Leibel SA; Ling CC; Kutcher GJ; et al: biological basis for conformal three-dimensional radiation therapy, Int J Radiat Oncol Biol Phys 1991; **21:** 805
Leibel SA; Scott CB; Mohiuddin M; et al: effect of local-regional control on distant metastatic dissemination in carcinoma of the head and neck: results of an analysis from the RTOG head and neck database, Int J Radiat Oncol Biol Phys 1991; **21:** 549
Leibfritz D See Norris DG
Leibfritz D See Stryjewski D
Leibman AJ; Kossoff MB: sonographic features of fibromatosis of the breast, J Ultrasound Med 1991; **10:** 43
Leibman AJ; Kruse B: breast cancer: mammographic and sonographic findings after augmentation mammoplasty, Radiology 1990; **174:** 195
Leibovici L; Cohen O; Wysenbeek AJ: occult bacterial infection in adults with unexplained fever: validation of a diagnostic index, (ab), Radiology 1991; **178:** 296
Leicher-Düber A; Schumacher R: urachal remnants in asymptomatic children: sonographic morphology, Pediatr Radiol 1991; **21:** 200
Leicher-Düber A; Schumacher R; Spranger J: stippled epiphyses in fetal alcohol syndrome, Pediatr Radiol 1990; **20:** 369
Leichner PK See Hawkins WG
Leichner PK See Vriesendorp HM
Leichner PK; Vriesendorp HM; Hawkins WG; et al: quantitative SPECT for indium-111-labeled antibodies in the livers of beagle dogs, J Nucl Med 1991; **32:** 1442
Leidholdt EM Jr See Roach M III
Leidig E: Doppler analysis of superior mesenteric artery blood flow in preterm infants, (ab), Radiology 1990; **175:** 591
Leidig E: pulsed Doppler ultrasound blood flow measurements in the superior mesenteric artery of the newborn, Pediatr Radiol 1989; **19:** 169
Leigh JS See Shinnar M
Leigh JS Jr See Wang Z
Leighton D; Oudjhane K; Ben Mohammed H: sternoclavicular joint in trauma: retrosternal dislocation versus epiphyseal fracture, Pediatr Radiol 1989; **20:** 126
Leighton DM; Benghanem T; Montagne JP; et al: case of rectal bleeding in infancy, Australas Radiol 1990; **34:** 89
Leighton DM; de Campo M: CT invertograms, Pediatr Radiol 1989; **19:** 176
Leighton DM; de Campo M: uses of direct coronal pelvic CT, Australas Radiol 1989; **33:** 157
Leighton DM; Mayne V: obstruction in the refluxing urinary tract—a common phenomenon, Clin Radiol 1989; **40:** 271
Leiman G See Posner R
Leinonen A See Kairaluoma MI
Leinster SJ See Lewis-Jones HG
Leith JT; Faulkner LA; Papa G; et al: *in vitro* radiation survival parameters of human colon tumor cells, Int J Radiat Oncol Biol Phys 1991; **20:** 203
Leitha T See Minar E
Leithauser KJ See Ottmar MD
Leithe ME See Davidson CJ
Leithiser RE See Buckner CB
Leithiser RE Jr See Glasier CM
Leithiser RE Jr See Seibert JJ
Leitinger G See Flueckiger F
Leitman BS See Bhalla M
Leitman IM; Paull DE; Shires GT III: evaluation and management of massive lower gastrointestinal hemorrhage, (ab), Radiology 1989; **173:** 585
Leitz WK; Hedberg-Vikström BRK; Conway BJ; et al: assessment and comparison of chest radiography techniques in the United States and Sweden, Br J Radiol 1990; **63:** 33
Lele PP: advanced ultrasonic techniques for local tumor hyperthermia, Radiol Clin North Am 1989; **27:** 559
Lemaire C See Martin AJ
Lemaire C See Martin MM
Lemaire C See Solsberg MD
Lemaire C; Duncan EG; Solsberg MD; et al: *in vitro* magnetic resonance microimaging of the spinal cord, Magn Res Med 1990; **14:** 97
Lemaire C; Guillaume M; Cantineau R; et al: no-carrier-added regioselective preparation of 6-[^{18}F]fluoro-L-dopa, J Nucl Med 1990; **31:** 1247
Lemaitre L; Leclerc F; Dubos JP; et al: thymic hemorrhage: a cause of acute symptomatic mediastinal widening in an infant with late haemorrhagic disease: sonographic findings, Pediatr Radiol 1989; **19:** 128
LeMay M See Kido DK
LeMay M; Alvarez N: relationship between enlargement of the temporal horns of the lateral ventricles and dementia in aging patients with Down syndrome, Neuroradiol 1990; **32:** 104
Lembo NJ; Black AJR; Roubin GS; et al: effect of pretreatment with aspirin versus aspirin plus dipyridamole on frequency and type of acute complications of percutaneous transluminal coronary angioplasty, (ab), Radiology 1990; **176:** 883
Lemieux B See Tuchman M
Le Mignon M-M; Chambon C; Warrington S; et al: Gd-DOTA: pharmacokinetics and tolerability after intravenous injection into healthy volunteers, Invest Radiol 1990; **25:** 933
Lemire F See Cloutier G
Lemish W; Cameron D: caecal herniation through the foramen of Winslow, Australas Radiol 1989; **33:** 109
Lemke JH See Garneau RA
Lemke JH See Harris KG
Lemmi MA See Hanna SL
Lemmi MA; Fletcher BD; Marina NM; et al: use of MR imaging to assess results of chemotherapy for Ewing sarcoma, AJR 1990; **155:** 343
Lemming B See Klein LA
Lemmon MJ See Brown JM
Lemmon MJ See Zeman EM
Lemole GM See Matsumae M
Le Moyec L See Eugene M
Le Moyec L See Le Rumeur E
Lempert TE See Zemel G
Lenarz T See Fritz P
Lenchik L; Poznanski AK; Donaldson JS; et al: case report 681, Skeletal Radiol 1991; **20:** 387
Lengelé BG; Dhem AJ: length of the styloid process of the temporal bone, (ab), Radiology 1989; **171:** 887
Lenke RR See Persutte WH
Lenkinski RE See Alavi A
Lenkinski RE See Buhle EL Jr
Lenkinski RE See Ehman RL
Lenkinski RE See Hatabu H
Lenkinski RE See Imai Y
Lenkinski RE See Kucharczyk W
Lenkinski RE See Listerud J
Lenkinski RE See Milestone BN
Lenkinski RE See Sarkar SK
Lenkinski RE See Schnall MD
Lenkinski RE See Zlatkin MB
Lenkinski RE: clinical magnetic resonance spectroscopy: a critical evaluation, Invest Radiol 1989; **24:** 1034
Lenkinski RE; Allman T; Scheiner JD; et al: automated iterative algorithm for the quantitative analysis of *in vivo* spectra based on the simplex optimization method, Magn Res Med 1989; **10:** 338
Lenkinski RE; Listerud J; Shinkwin MA; et al: magnetic resonance imaging and magnetic resonance spectroscopy of bone tumors and bone marrow disease, Invest Radiol 1989; **24:** 1006
Lennard-Jones JE See Kamm MA
Lennard-Jones JE See Nightingale JMD
Lennard-Jones JE; Melville DM; Morson BC; et al: precancer and cancer in extensive ulcerative colitis: findings among 401 patients over 22 years, (ab), Radiology 1991; **178:** 586
Lenner P See Lindh J
Lenner P: excess mortality rate: a useful concept in cancer epidemiology, Acta Oncol 1990; **29:** 573
Lennon SE See Segall GM
Lenoir P See Jacobs A
Lenoir S See Brauner MW
Lenoir S See Grenier P
Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F: pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Radiology 1990; **175:** 329
Lensing AWA; Prandoni P; Büller HR; Casara D; Cogo A; Wouter ten Cate J: lower extremity venography with iohexol: results and complications, Radiology 1990; **177:** 503
Lentini JF See Benson CB
Lentini JF; Benson CB; Richie JP: sonographic features of focal orchitis, J Ultrasound Med 1989; **8:** 361
Lentle BC See Müller NL
Lentle BC See Theyer G
Lentz SS; Schray MF; Wilson TO: chylous ascites after whole-abdomen irradiation for gynecologic malignancy, Int J Radiat Oncol Biol Phys 1990; **19:** 435
Lenz G See Semelka RC
Lenz GW See Masaryk TJ
Lenz GW See White RD
Lenz R See Magnusson M
Lenz S; Lindenberg S: is the corpus luteum normal after ovulation induction?, JCU 1990; **18:** 155
Leo FP See Harris GR
Leon MB See Douek PC
León NG See Ferreirós J
Leonard BM See Levine MJ
Leonard JC See Dewey SH
Leonard JC See Lowe B
Leonard JC See MacVicar D
Leonard KJ; Mamourian AC: MR appearance of intracranial chloromas, AJNR 1989; **10:** S67
Leonardi M; Lavaroni A; Biasizzo E; et al: high-dose contrast-enhanced computed tomography (CECT) with iopamidol in the detection of cerebral metastases: tolerance of the contrast agent, Neuroradiol 1989; **31:** 148
Leonardi M; Michelucci R; Zanotti B; et al: recurrent strokes produced by bilateral high intraforaminal entering of vertebral arteries, J Neuroradiol 1990; **17:** 212
Leong JCY See Fang D
Leong L See Wagman LD
Leong LLY See Chan F-L
Leong LLY See Cheung YK
Leonidas JC See Drossman SR
Leonidas JC See Forman HP
Leonidas JC See Leff SL
Leonidas JC See Patel U
Leonidas JC See Soberman N
Leonidas JC: MR imaging of transient osteoporosis, Radiology 1989; **170:** 281
Leonidas JC; Magid N; Soberman N; Glass TS: midgut volvulus in infants: diagnosis with US: work in progress, Radiology 1991; **179:** 491
Leopold GR: fetuses aren't small children, Clin Imag 1990; **14:** 271
Leopold GR: responsibilities associated with obstetric sonography, AJR 1989; **153:** 1255
Leopold GR: seeing with sound, Radiology 1990; **175:** 23
Leopold K See Sostman HD
Leopold KA See Dewhirst MW
Leopold KA; Harrelson J; Prosnitz L; et al: preoperative hyperthermia and radiation for soft tissue sarcomas: advantage of two vs one hyperthermia treatments per week, Int J Radiat Oncol Biol Phys 1989; **16:** 107
Leopold KA; Recht A; Schnitt SJ; et al: results of conservative surgery and radiation therapy for multiple synchronous cancers of one breast, Int J Radiat Oncol Biol Phys 1989; **16:** 11
Leopold KE See Taylor RS
Le Pape A See Seguin F
Lepkowski H See Kennedy WL
Lepore V See Larsson S
Lepp EK See Beck ME
Leppänen M See Tikkakoski T
Leppo JA See Hendel RC
Leppo JA See Meerdink DJ
Leppo JA: dipyridamole-thallium imaging: the lazy man's stress test, J Nucl Med 1989; **30:** 281
Leppo JA; Meerdink DJ: comparative myocardial extraction of two technetium-labeled BATO derivatives (SQ30217, SQ32014) and thallium, J Nucl Med 1990; **31:** 67
Le Quesne G See Woolfield N
LeQuesne GW See Davies RP
LeQuire MH See Spies JB
LeQuire MH; Sorge DG; Brantley SD: middle mesenteric artery: an unusual source for colonic hemorrhage, JVIR 1991; **2:** 141

Lerch I See **Cooper JS**
Lerch IA See **Cooper JS**
Lerch MM; Riehl J; Mann H; et al: sonographic changes of the pancreas in chronic renal failure, Gastrointest Radiol 1989; **14:** 311
Lerman A See **Tessler S**
Lerman LO; Bentley MD; Bell MR; et al: quantitation of the in vivo kidney volume with cine computed tomography, Invest Radiol 1990; **25:** 1206
Lerner EJ; Bilaniuk LT: spontaneous bronchial-subarachnoid fistula: an unusual cause of pneumocephalus, AJNR 1989; **10:** S103
Lerner R See **Violante MR**
Lerner RM See **Lee F Jr**
Lerner RM See **Parker KJ**
Lerner RM; Huang SR; Parker KJ: "sonoelasticity" images derived from ultrasound signals in mechanically vibrated tissues, Ultrasound Med Biol 1990; **16:** 231
Lerner RM; Mevorach RA; Hulbert WC; Rabinowitz R: color Doppler US in the evaluation of acute scrotal disease, Radiology 1990; **176:** 355
Lerner S See **Shabsigh R**
Lerone M See **Silengo MC**
Leroux JL See **Delcambre B**
LeRoy AJ See **Williams HJ Jr**
Leroy RF See **Devous MD Sr**
Leroy-Willig A See **de Kerviler E**
Leroy-Willig A; Bittoun J; Luton JP; et al: in vivo MR spectroscopic imaging of the adrenal glands: distinction between adenomas and carcinomas larger than 15 mm based on lipid content, AJR 1989; **153:** 771
Lerud KS See **Shanley DJ**
Le Rumeur E; Le Moyec L; Yvin JC; et al: assessment of intracellular magnesium depletion in rat striated muscle by *in vivo* ^{31}P NMR, Magn Res Med 1990; **13:** 504
Lesan B See **Babcock EE**
Lesar MS See **Smith WS**
Leschorn E See **Nemcek AA Jr**
Leserman J See **Mandle CL**
Lesiak J See **Szymczyk W**
Lesiuk H See **Sutherland G**
Leskinen-Kallio S; Ruotsalainen U; Någren K; et al: uptake of carbon-11-methionine and fluorodeoxyglucose in non-Hodgkin's lymphoma: a PET study, J Nucl Med 1991; **32:** 1211
Leslie BM; Harris JM; Driscoll D: septic arthritis of the shoulder in adults, (ab), Radiology 1990; **176:** 296
Leslie DR See **Tash RR**
Lesperance J; Hudon G; White CW; et al: comparison by quantitative angiographic assessment of coronary stenoses of one view showing the severest narrowing to two orthogonal views, (ab), Radiology 1990; **175:** 292
Lespinasse F See **Guichard M**
Lespinasse F; Thomas C; Bonnay M; et al: Ro 03-8799: preferential relative uptake in human tumor xenografts compared to a murine tumor: comparison with SR-2508, Int J Radiat Oncol Biol Phys 1989; **16:** 1105
Lesser RP See **Jeffery PJ**
Lessoway VA; Schulzer M; Wittmann BK: sonographic measurement of the fetal femur: factors affecting accuracy, JCU 1990; **18:** 471
Lestar B See **Penninckx F**
Lester JW Jr; Miller WA; Carter MP; et al: MR of childhood calcified herniated cervical disk with spontaneous resorption, AJNR 1989; **10:** S48
Lesur O; Delorme N; Fromaget JM; et al: computed tomography in the etiologic assessment of idiopathic spontaneous pneumothorax, (ab), Radiology 1991; **178:** 587
Leszczynski K See **Shalev S**
Letac B; Gerber LI; Koning R: insights on the mechanism of balloon valvuloplasty in aortic stenosis, (ab), Radiology 1989; **172:** 588
Letendre AJ See **Quirk ME**
Le Thai B See **Makuuchi M**
Letourneau JG See **Castaneda F**
Letourneau JG See **Drake DG**
Letourneau JG See **Engeler CE**
Letourneau JG See **Low RA**
Letourneau JG See **Maynar M**
Letourneau JG See **Nobrega J**
Letourneau JG See **Snider JF**
Letourneau JG See **Yedlicka JW Jr**
Letourneau JG See **Yueh N**
Letourneau JG: atlas of normal fetal ultrasonographic anatomy, Radiology 1989; **171:** 154
Letourneau JG: ultrasound of the prostate, Radiology 1990; **177:** 498
Letourneau JG; Castaneda-Zuniga WR: role of radiology in the diagnosis and treatment of biliary complications after liver transplantation, Cardiovasc Intervent Radiol 1990; **13:** 278
Letourneau JG; Hunter DW; Ascher NL; Roberts JP; Payne WD; Thompson WM; Najarian JS; Castaneda-Zuniga WR; Day DL: biliary complications after liver transplantation in children, Radiology 1989; **170:** 1095
Letourneau JG; Hunter DW; Payne WD; et al: imaging of and intervention for biliary complications after hepatic transplantation, AJR 1990; **154:** 729
Lette J See **Cerino M**
Lette J; Cerino M; Boucher A; et al: radionuclide renography in renovascular hypertension and double renal arteries, Clin Nucl Med 1991; **16:** 185
Lette J; Eybalin MC; Roy A; et al: bone imaging after cementless press fit total hip arthroplasty, Clin Nucl Med 1989; **14:** 614
Lette J; Gagnon A; Lapointe J; et al: transient mitral regurgitation: an adjunctive sign of myocardial ischemia during dipyridamole-thallium imaging, J Nucl Med 1989; **30:** 1271
Lette J; Levasseur A; Labonté C: thoracic bone imaging after the Heimlich maneuver, Clin Nucl Med 1990; **15:** 512
Lette J; Monier D; Ledoux R; et al: false-positive Tc-99m pentavalent DMSA uptake in the imaging of medullary carcinoma of the thyroid, Clin Nucl Med 1991; **16:** 136
Lette J; Morin M; Heyen F; et al: standing views to differentiate gallbladder or bile leak from duodenal activity on cholescintigrams, Clin Nucl Med 1990; **15:** 231
Lette J; Prénovault J; Eybalin M-C; et al: pelvic bone imaging in bladder exstrophy, Clin Nucl Med 1990; **15:** 200
Lette J; Waters D; Lassonde J; et al: postoperative myocardial infarction and cardiac death: predictive value of dipyridamole-thallium imaging and five clinical scoring systems based on multifactorial analysis, (ab), Radiology 1990; **176:** 884
Leucht R See **Ophof J**
Leung AKC; Robson WLM: single umbilical artery: a report of 159 cases, (ab), Radiology 1989; **172:** 887
Leung AN; Müller NL; Miller RR: CT in differential diagnosis of diffuse pleural disease, AJR 1990; **154:** 487
Leung AWL See **Greco A**
Leung EJ See **Bennett FC**
Leung JWC See **Yip CKY**
Leung MP See **Lau KC**
Leung S: perineal template techniques for interstitial implantation of gynecological cancers using the Paris system of dosimetry, Int J Radiat Oncol Biol Phys 1990; **19:** 769
Leung SF See **Teo P**
Leung SF; Metreweli C; Tsao SY; et al: staging abdominal ultrasonography in nasopharyngeal carcinoma, Australas Radiol 1991; **35:** 31
Leung SF; Stewart IET; Tsao SY; et al: staging bone scintigraphy in nasopharyngeal carcinoma, Clin Radiol 1991; **43:** 314
Leung SF; Tsao SY; Shiu W: treatment outcome of spinal cord compression by nasopharyngeal carcinoma, Br J Radiol 1990; **63:** 716
Leung SF; Tsao SY; Teo PML; et al: ovarian ablation failures by radiation: a comparison of two dose schedules, Br J Radiol 1991; **64:** 537
Leuschner M See **Hellstern A**
Levasseur A See **Lette J**
Levavi H See **Schoenfeld A**
LeVeen RF See **McLean GK**
LeVeen RF See **Mulry CC**
LeVeen RF See **Roeren T**
Léveillé J; Demonceau G; De Roo M; et al: characterization of technetium-99m-L,L-ECD for brain perfusion imaging, part 2: biodistribution and brain imaging in humans, J Nucl Med 1989; **30:** 1902
Levèn H See **Björk L**
Levendag PC See **Hoekstra CJM**
Levendag PC See **Ruifrok ACC**
Levendag PC; Pomp J: radiation therapy of squamous cell carcinoma of the nasal vestibule, Int J Radiat Oncol Biol Phys 1990; **19:** 1363
Levendag PC; Veeze-Kuijpers B; Knegt PPM; et al: cancer of the supraglottic larynx with neck node metastasis treated by radiation therapy only: the revised 1987 UICC classification system as prognostic indicator, Acta Oncol 1990; **29:** 603
Levendag PC; Vikram B; Wright R; et al: dental problems following surgery and external radiation therapy in patients with advanced carcinomas of the oral cavity and oropharynx, Acta Oncol 1989; **28:** 550
Levene H See **Barnhart J**
Levene MI See **Evans DH**
Levenson H; Greensite F; Hoefs J; et al: fatty infiltration of the liver: quantification with phase-contrast MR imaging at 1.5 T vs biopsy, AJR 1991; **156:** 307
Levenson MJ; Parisier SC; Jacobs M; et al: large vestibular aqueduct syndrome in children: a review of 12 cases and the description of a new clinical entity, (ab), Radiology 1989; **173:** 295
Leventhal LJ; Borofsky MA; Bergey PD; et al: antiphospholipid antibody syndrome with right atrial thrombosis mimicking an atrial myxoma, (ab), Radiology 1990; **174:** 294
Leventhal M See **Finstein ML**
Leveque J-L See **Bittoun J**
Lever HM See **Tuzcu EM**
Levesque M See **Duckwiler GR**
Levesque M See **Soyer P**
Levesque MF See **Zhang J**
Levey DS; Teitelbaum GP; Finck EJ; Pentecost MJ: safety and efficacy of transcatheter embolization of axillary and shoulder arterial injuries, JVIR 1991; **2:** 99
Levey GS See **Aday LA**
Levey RM: nuclear medicine: self-study program I. pt I, syllabus and multiple-choice questions. pt II, answers, critiques, and references for multiple-choice questions, Radiology 1989; **172:** 376
Levi CS See **Barzilai M**
Levi CS: endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length: reply, Radiology 1991; **178:** 285
Levi CS: operative ultrasonography. 2nd ed, Radiology 1990; **174:** 440
Levi CS; Lyons EA; Lindsay DJ: ultrasound in the first trimester of pregnancy, Radiol Clin North Am 1990; **28:** 19
Levi CS; Lyons EA; Zheng XH; Lindsay DJ; Holt SC: endovaginal US: demonstration of cardiac activity in embryos of less than 5.0 mm in crown-rump length, Radiology 1990; **176:** 71
Levi M; Pascucci C; Agnelli G; et al: effect on thrombus growth and thrombolysis of two types of low osmolar contrast media in rabbits, Invest Radiol 1990; **25:** 533
Levi S; de Lacey G; Price AB; et al: "diaphragm-like" strictures of the small bowel in patients treated with non-steroidal anti-inflammatory drugs, Br J Radiol 1990; **63:** 186
Levin B See **Almén T**
Levin B See **Catalano MF**
Levin B: lightening dark double-emulsion radiographs, Radiology 1990; **174:** 574
Levin B: unilateral wavy clavicle, Skeletal Radiol 1990; **19:** 519
Levin D See **Ferris EJ**
Levin D See **Wexler L**
Levin DC See **Bonn J**
Levin DC See **Boone JM**
Levin DC See **Soulen RL**
Levin DC See **Sullivan KL**
Levin DC: radiology department organization and radiology education: reply, Radiology 1990; **174:** 580
Levin DC: reply: how should radiology residencies by structured? how should radiology departments be organized? proposals for the 1990s, Radiology 1989; **172:** 611
Levin DC: role of the department chairman in the future of interventional radiology, Radiology 1989; **170:** 947
Levin DC; Katzen BT: role of radiologists in the American Heart Association: getting the message out, Radiology 1991; **178:** 27
Levin DC; Matteucci T: do radiologists control imaging studies? survey results from 198 academic institutions, Radiology 1989; **170:** 879
Levin DC; Matteucci T: "turf battles" over imaging and interventional procedures in community hospitals: survey results, Radiology 1990; **176:** 321
Levin DN See **Fishman EK**
Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P: brain: integrated three-dimensional display of MR and PET images, Radiology 1989; **172:** 783
Levin DN; Hu X; Tan KK; Galhotra S: surface of the brain: three-dimensional MR images created with volume rendering, Radiology 1989; **171:** 277
Levin DN; Tan KK; Grzeszczuk R; et al: interactive 3D localization of brain lesions, (ab), Radiology 1991; **181:** 295
Levin DP; Bret PM: percutaneous fine-needle aspiration biopsy of the pancreas resulting in death, Gastrointest Radiol 1991; **16:** 67
Levin DP; Pison CF; Brandt M; et al: reversal of intrapulmonary shunting in cirrhosis after liver transplantation demonstrated by perfusion lung scan, J Nucl Med 1991; **32:** 862
Levin DR See **Vardi Y**
Levin K See **Tarkington MA**
Levin KE; Clark OH: reasons for failure in parathyroid operations, (ab), Radiology 1990; **174:** 591
Levin RL See **Le Bihan D**
Levin TL; Brill PW; Winchester P: enteric fistula formation secondary to necrotizing enterocolitis, Pediatr Radiol 1991; **21:** 309
Levin TL; Zimmerman RD; Lieberman H: intradural spinal arachnoid cyst: case report, Clin Imag 1990; **14:** 245

Levin VA See Phillips TL
Levin VA; Silver P; Hannigan J; et al: superiority of post-radiotherapy adjuvant chemotherapy with CCNU, procarbazine, and vincristine (PCV) over BCNU for anaplastic gliomas: NCOG 6G61 final report, Int J Radiat Oncol Biol Phys 1990; **18:** 321
Levine AH See Cooper SG
Levine AM See Gellad FE
Levine AM See Resnik CS
Levine B See Horii SC
Levine BA See Sirinek KR
Levine C: intestinal obstruction in a neonate with adrenal hemorrhage and renal vein thrombosis, Pediatr Radiol 1989; **19:** 477
Levine C: primary macronodular hepatic tuberculosis: US and CT appearances, Gastrointest Radiol 1990; **15:** 307
Levine C; Levine E: small pediatric renal neoplasms detected by CT, JCAT 1990; **14:** 615
Levine C; Vrlenich L: renal lymphoma in ataxia-telangiectasia: CT contribution, JCAT 1989; **13:** 537
Levine D See Trambert MA
Levine D; Edwards DK III; Merritt TA: synthetic vs human surfactants in the treatment of respiratory distress syndrome: radiographic findings, AJR 1991; **157:** 371
Levine DZ See Don C
Levine E See Levine C
Levine E See Murphey MD
Levine E See Wetzel LH
Levine E: computed tomography of renal abscesses complicating medullary sponge kidney, JCAT 1989; **13:** 440
Levine E: CT evaluation of active adrenal histoplasmosis, Urol Radiol 1991; **13:** 103
Levine E; Huntrakoon M: unilateral renal cystic disease: CT findings, JCAT 1989; **13:** 273
Levine E; Huntrakoon M; Wetzel LH: small renal neoplasms: clinical, pathologic, and imaging features, AJR 1989; **153:** 69
Levine E; Slusher SL; Grantham JJ; et al: natural history of acquired renal cystic disease in dialysis patients: a prospective longitudinal CT study, AJR 1991; **156:** 501
Levine FJ; Greenfield AJ; Goldstein I: arteriographically determined occlusive disease within the hypogastric-cavernous bed in impotent patients following blunt perineal and pelvic trauma, (ab), Radiology 1991; **180:** 294
Levine G See Abdel-Nabi HH
Levine GM See Slavin JD Jr
Levine GM; Hawkins HB; Cinti DC; et al: gallbladder—intestinal fistula with stone impaction and radiogallium uptake, Clin Nucl Med 1991; **16:** 602
Levine GM; Rosenberg RJ; Sziklas JJ; et al: gastric pertechnetate contribution to blood pool images, Clin Nucl Med 1989; **14:** 436
Levine LA See Bassiouny HS
Levine MJ; Leonard BM; Burke JA; et al: clinical and angiographic results of balloon-expandable intracoronary stents in right coronary artery stenoses, (ab), JVIR 1990; **1:** 137
Levine MS See Donahue F
Levine MS See Goodman P
Levine MS See Hiehle JF Jr
Levine MS See Miller WT Jr
Levine MS See Rubesin SE
Levine MS See Underberg-Davis S
Levine MS: radiology of esophagitis: a pattern approach, Radiology 1991; **179:** 1
Levine MS; Barnes MJ; Bronner MP; Rubesin SE; Saul SH: atypical hyperplastic polyps at double-contrast barium enema examination, Radiology 1990; **175:** 691
Levine MS; Ekberg O; Rubesin SE; et al: gastrointestinal sarcoidosis: radiographic findings, AJR 1989; **153:** 293
Levine MS; Kam LW; Rubesin SE; Ekberg O: internal hemorrhoids: diagnosis with double-contrast barium enema examinations, Radiology 1990; **177:** 141
Levine MS; Kieu K; Rubesin SE; et al: isolated gastric varices: splenic vein obstruction or portal hypertension, (ab), JVIR 1991; **2:** 297
Levine MS; Kieu K; Rubesin SE; et al: isolated gastric varices: splenic vein obstruction or portal hypertension?, Gastrointest Radiol 1990; **15:** 188
Levine MS; Kong V; Rubesin SE; Laufer I; Herlinger H: scirrhous carcinoma of the stomach: radiologic and endoscopic diagnosis, Radiology 1990; **175:** 151
Levine MS; Laufer I; Rubesin SE; Herlinger H: routine upper gastrointestinal examination: reply, Radiology 1989; **171:** 284
Levine MS; Loercher G; Katzka DA; Herlinger H; Rubesin SE; Laufer I: giant, human immunodeficiency virus-related ulcers in the esophagus, Radiology 1991; **180:** 323
Levine MS; Palman CL; Rubesin SE; et al: atrophic gastritis in pernicious anemia: diagnosis by double-contrast radiography, Gastrointest Radiol 1989; **14:** 215
Levine MS; Rothstein RD; Laufer I: giant esophageal ulcer due to Clinoril, AJR 1991; **156:** 955
Levine MS; Rubesin SE: radiologic investigation of dysphagia, AJR 1990; **154:** 1157
Levine MS; Rubesin SE; Ott DJ: update on esophageal radiology, AJR 1990; **155:** 933
Levine MS; Scheiner JD; Rubesin SE; et al: diagnosis of pneumoperitoneum on supine abdominal radiographs, AJR 1991; **156:** 731
Levine MS; Turner D; Ekberg O; et al: duodenitis: a reliable radiologic diagnosis?, Gastrointest Radiol 1991; **16:** 99
Levine PA See Gay SB
Levine RL See Rozental JM
Levinsohn EM See Berlin RC
Levinsohn EM: device for facilitating lesion localization in breast biopsies, Radiology 1991; **181:** 603
Levinsohn EM: imaging of the wrist, Radiol Clin North Am 1990; **28:** 905
Levinsohn EM; Hootnick DR; Packard DS Jr: consistent arterial abnormalities associated with a variety of congenital malformations of the human lower limb, Invest Radiol 1991; **26:** 364
Levinsohn EM; Rosen D: wrist arthrography, Radiology 1991; **178:** 580
Levinsohn EM; Rosen ID; Palmer AK: wrist arthrography: value of the three-compartment injection method, Radiology 1991; **179:** 231
Levinsohn EM; Santelli ED: bicipital groove dysplasia and medial dislocation of the biceps brachii tendon, Skeletal Radiol 1991; **20:** 419
Levinson JE See Olson JC
Levinthal C See Allen BA
Levisky JS See Simon NV
Levison MA; Zeigler D: correlation of APACHE II score, drainage technique, and outcome in postoperative intraabdominal abscess, (ab), JVIR 1991; **2:** 418
Levit N See Rottem S
Leviton A See Krishnamoorthy KS
Leviton A See Van Marter LJ
Levitsky HI See Shuper A
Levitt RG See Greene R
Levitt RG; Wholey MH: renal arterial rupture complicating transluminal angioplasty, Radiology 1990; **176:** 583
Levitt S See Monyak D
Levitt SH See Pence DM
Levitt SH See Song CW
Levitt SH: Robert G. Parker, MD, President, Radiological Society of North America, 1992, Radiology 1991; **181:** 895
Levkoff AH; Macpherson RI: intrahepatic encystment of umbilical vein catheter infusate, Pediatr Radiol 1990; **20:** 360
Levorato M See Dondi M
Levorstad K See Jakobsen JA
Levorstad K; Vatne K; Brodahl U; et al: safety of the nonionic contrast medium Omnipaque in coronary angiography, Cardiovasc Intervent Radiol 1989; **12:** 98
Levron J See Itskovitz J
Levron J See Rottem S
Lev-Toaff AS See Macones AJ
Lev-Toaff AS; Toaff ME; Friedman AC: endovaginal sonographic appearance of a DES uterus, J Ultrasound Med 1990; **9:** 661
Levy DL See Abramowicz JS
Levy DW See Mitchell DG
Levy GC See Hyman TJ
Levy GC See Mazzeo AR
Levy H See Hovsepian DM
Levy HL See Pearsen KD
Levy HM See Halpern EJ
Levy HM See Sanders LM
Levy IM See Weiss KL
Levy JM See Hessel SJ
Levy JM See Michael AS
Levy JM See Russell EJ
Levy JM: spontaneous lumbar subdural hematoma, AJNR 1990; **11:** 780
Levy JM; Hessel SJ; Horsley WW; Cook GC; Dickey JE: value of laser-assisted angioplasty in the community hospital, Radiology 1989; **170:** 1017
Levy JM; Hupke R: composite addition technique: a new method in CT scanning of the posterior fossa, AJNR 1991; **12:** 686
Levy LM See Bryan RN
Levy LM; Di Chiro G: MR phase imaging and cerebrospinal fluid flow in the head and spine, Neuroradiol 1990; **32:** 399
Levy R See Smith MD
Levy RA; Kellman RM; Rosenbaum AE: effect of computed tomographic scan orientation on information loss in the three-dimensional reconstruction of tripod zygomatic fractures, Invest Radiol 1991; **26:** 427
Levy RA; Wald SL; Aitken PA; et al: bilateral intraorbital meningoencephaloceles and associated midline craniofacial anomalies: MR and three-dimensional CT imaging, AJNR 1989; **10:** 1272
Lew B See Robitaille P-M
Lew E See Friedman L
Lewandowski AE See Mamourian AC
Lewandowski BJ See Bhargava R
Lewandowski ED; Hulbert C: dynamic changes in ^{13}C NMR spectra of intact hearts under conditions of varied metabolite enrichment, Magn Res Med 1991; **19:** 186
Lewandowski MF See Erickson SJ
Lewandrowski K See Warshaw AL
Lewars MD See Ingram CE
Lewellen TK; Bice AN; Pollard KR; et al: evaluation of a clinical scintillation camera with pulse tail extrapolation electronics, J Nucl Med 1989; **30:** 1554
Lewen MK See Aguirre FV
Lewenhaupt A See Ekman P
Lewin AA See Schwade JG
Lewin AA See Serago CF
Lewin JS See Hausmann R
Lewin JS; Bryan PJ: MR imaging of uterine inversion, JCAT 1989; **13:** 357
Lewin JS; Laub G; Hausmann R: three-dimensional time-of-flight MR angiography: applications in the abdomen and thorax, Radiology 1991; **179:** 261
Lewin JS; Masaryk TJ; Modic MT; Ross JS; Stork EK; Wiznitzer M: extracorporeal membrane oxygenation in infants: angiographic and parenchymal evaluation of the brain with MR imaging, Radiology 1989; **173:** 361
Lewin PA; Chapelon J-Y; Mestas J-L; et al: novel method to control P+/P− ratio of the shock wave pulses used in the extracorporeal piezoelectric lithotripsy (EPL), Ultrasound Med Biol 1990; **16:** 473
Lewin R See Dorros G
Lewin RF See Dorros G
Lewinsohn G See Strauss S
Lewis AG See Cleator GM
Lewis BD See Lee RA
Lewis BD; James EM; Charboneau JW; Reading CC; Welch TJ: current applications of color Doppler imaging in the abdomen and extremities, Radiographics 1989; **9:** 599
Lewis BJ See Venook AP
Lewis BS See Biener A
Lewis CA See Hilson AJW
Lewis CA; Castillo M; Hudgins PA: cervical prevertebral fat stripe: a normal variant simulating prevertebral hemorrhage, AJR 1990; **155:** 559
Lewis CA; Castillo M; Patrick E; et al: symptomatic external laryngocele in a newborn: findings on plain radiographs and CT scans, AJNR 1990; **11:** 1002
Lewis D See Dupuy D
Lewis ER; Caskey CI; Fishman EK: lymphoma of the lung: CT findings in 31 patients, AJR 1991; **156:** 711
Lewis G See Rossmann MD
Lewis GP See Bush WH
Lewis JD See Weaver K
Lewis JL See Rothschild PA
Lewis JM See Hahn PF
Lewis JW Jr See Economopoulos GC
Lewis JW Jr; Ajlouni M; Kvale PA; et al: role of brachytherapy in the management of pulmonary and mediastinal malignancies, (ab), Radiology 1991; **178:** 292
Lewis JW Jr; Pearlberg JL; Beute GH; et al: can computed tomography of the chest stage lung cancer? yes and no, (ab), Radiology 1990; **177:** 891
Lewis MM See Abdelwahab IF
Lewis MM See Kenan S
Lewis MM See Mitty HA
Lewis RW See Hattery RR
Lewis SL; Rees JIS; Thomas GV; et al: pitfalls of bone scintigraphy in suspected hip fractures, Br J Radiol 1991; **64:** 403
Lewis SM See Kowalchuk GJ
Lewis TD See Henry DA
Lewis WD See Finn JP
Lewis-Jones HG See Williams CE
Lewis-Jones HG; Lamb GHR; Hughes PL: can ultrasound replace the intravenous urogram in preliminary investigationof renal tract disease? a prospective study, Br J Radiol 1989; **62:** 977
Lewis-Jones HG; Ward RG; Garvey C: cytomegalovirus infection masquerading as colonic neoplasia, Br J Radiol 1990; **63:** 573
Lewis-Jones HG; Whitehouse GH; Leinster SJ: role of magnetic resonance imaging in the assessment of local recurrent breast carcinoma, Clin Radiol 1991; **43:** 197
Lewit N; Thaler I; Rottem S: uterus: a new look with transvaginal sonography, JCU 1990; **18:** 331
Lexa FJ See Milton WJ
Lexa FJ See Yousem DM
Leybovich L See Sathiaseelan V
Leyman P; Baert AL; Marchal G; et al: ultrasound and CT of multifocal liver abscesses caused by *Yersinia enterocolitica*, JCAT 1989; **13:** 913
Leyman P; Ponette E; Marchal G; et al: computed tomography of acute jejunogastric intussusception, JCAT 1989; **13:** 531

Ley-Pozo J; Willmes K; Ringelstein EB: relationship between pulsatility indices of Doppler flow signals and CO_2-reactivity within the middle cerebral artery in extracranial occlusive disease, Ultrasound Med Biol 1990; **16:** 763

L'Herminé C; Chastanet P; Delemazure O; et al: percutaneous transhepatic embolization of gastroesophageal varices: results in 400 patients, AJR 1989; **152:** 755

L'Heureux PR See **Young G**

L'Huillier F; Combes C; Martin N; et al: MRI in the diagnosis of so-called pituitary apoplexy: seven cases, J Neuroradiol 1989; **16:** 221

Li A See **Kramer D**

Li C; Arger PH; Dalinka MK: soft tissue osteochondroma: a report of three cases, Skeletal Radiol 1989; **18:** 435

Li C; Miller WT; Jiang J: pulmonary edema due to ingestion of organophosphate insecticide, AJR 1989; **152:** 265

Li C; Seliger G: case of the season: a Vietnamese veteran with multiple pleural nodules, Semin Roentgenol 1990; **25:** 2

Li CC; Gokmen M; Hirschman AD; et al: information preserving image compression for archiving NMR images, Comput Med Imag Graph 1991; **15:** 277

Li CP See **Pantoja E**

Li C-Y See **Travis WD**

Li D See **Flodmark O**

Li D-J: present status on treatment of esophageal cancer in China, Int J Radiat Oncol Biol Phys 1990; **18:** 477

Li DKB See **Flak B**

Li DKB See **Koopmans RA**

Li DKB See **Marsh JI**

Li DKB See **So CB**

Li KCP See **Dolenz KB**

Li KCP See **Virapongse C**

Li KCP; Mastin ST: normal variations of pelvic fat distribution implications on CT staging of pelvic tumors, Clin Imag 1990; **14:** 319

Li MH; Holtås S: MR imaging of spinal neurofibromatosis, Acta Radiol 1991; **32:** 279

Li Q-S; Solot G; Frank TL; et al: myocardial redistribution of technetium-99m-methoxyisobutyl isonitrile (SESTAMIBI), J Nucl Med 1990; **31:** 1069

Li SK See **Man WK**

Li W See **Saini S**

Li W; Ellerbroek NA; Libshitz HI: primary malignant tumors of the trachea: a radiologic and clinical study, (ab), Radiology 1991; **178:** 897

Li X; Wang Z; Chu GL; et al: effects of pH on heat sensitization of mammalian cells with procaine hydrochloride, Int J Radiat Oncol Biol Phys 1990; **18:** 933

Li Y-g See **Hirata T**

Li Y-P; Srikantaswamy S; Zweig G; et al: computed tomography of cervical epidermoid cysts, JCAT 1989; **13:** 164

Li Z See **Chen F-M**

Liang BA; Austin JHM; Alderson PO: analysis of the resource-based relative value scale for Medicare reimbursements to academic and community hospital radiology departments, Radiology 1991; **179:** 751

Liang MJ See **McCunniff AJ**

Liang R; Loke SL; Chiu E: clinico-pathological analysis of seventeen cases of non-Hodgkin's lymphoma involving the orbit, Acta Oncol 1991; **30:** 335

Liao SQ See **Kao CH**

Li Bassi S See **Bolondi L**

Libby PA; Maitem AN; Strauss EB: axillary artery aneurysm in a patient with tuberous sclerosis, Pediatr Radiol 1989; **20:** 94

Liberman FZ See **Lee D-J**

Liberman RL See **Wong WS**

Liberto L See **Sherer DM**

Libes RB See **Rofsky NM**

Libshitz HI See **DuBrow RA**

Libshitz HI See **Holbert BL**

Libshitz HI See **Kawashima A**

Libshitz HI See **Li W**

Libshitz HI See **Lorigan JG**

Libshitz HI See **North LB**

Libshitz HI: computed tomography in bronchogenic carcinoma, Semin Roentgenol 1990; **25:** 64

Libson E See **Bloom RA**

Libson E See **Malatskey A**

Libson E See **Verstandig AG**

Libson KF See **Maxon HR III**

Licciardello JTW; Spitz MR; Hong WK: multiple primary cancer in patients with cancer of the head and neck: second cancer of the head and neck, esophagus, and lung, Int J Radiat Oncol Biol Phys 1989; **17:** 467

Lich LL See **Altman DI**

Licho R See **Klonecke AS**

Lichtenstein JE See **Balfe DM**

Lichtenstein JE See **Renner WR**

Lichtenstein JE See **Wells GA**

Lichtenstein JE: gallbladder: what if it's not stone disease?, Semin Roentgenol 1991; **26:** 209

Lichtenstein RJ See **Campeau RJ**

Lichter AS See **Cook KL**

Lichter AS See **McShan DL**

Lichter AS See **Rebner M**

Lichter DG; Corbett AJ; Fitzgibbon GM; et al: cognitive and motor dysfunction in Parkinson's disease: clinical, performance, and computed tomographic correlations, (ab), Radiology 1989; **171:** 295

Lichtlen PR See **Mügge A**

Lichtman JB See **Alexander JA**

Liddell RM See **Shuman WP**

Liddell RM; Baron RL; Ekstrom JE; Varnell RM; Shuman WP: normal intrahepatic bile ducts: CT depiction, Radiology 1990; **176:** 633

Liddell RM; Rosenbaum DM; Blumhagen JD: delayed radiologic appearance of bilateral thoracic ectopic kidneys, AJR 1989; **152:** 120

Liddle PF See **Friston KJ**

Lidefelt K-J See **Erasmie U**

Lidor C; Hallel T; Oren VO: migratory multiple bone involvement in a patient with systemic mastocytosis, Clin Nucl Med 1990; **15:** 640

Lidov M See **Abrahams JJ**

Lidov M See **Som PM**

Lidov M; Som PM: inflammatory disease involving a concha bullosa (enlarged pneumatized middle nasal turbinate): MR and CT appearance, AJNR 1990; **11:** 999

Lidov MW See **Som PM**

Lieber A: CT review, Radiology 1991; **180:** 114

Lieber A: digital imaging in diagnostic radiology, Radiology 1991; **180:** 362

Lieber MM See **King BF**

Lieberman DA See **Rodman CA**

Lieberman H See **Levin TL**

Lieberman JM; Bradrick JP; Indresano AT; Smith AS; Bellon EM: dermal grafts of the temporomandibular joint: postoperative appearance on MR images, Radiology 1990; **176:** 199

Lieberman LM See **Zwas ST**

Lieberman PH; Brennan MF; Kimmel M; et al: alveolar soft-part sarcoma: a clinicopathologic study of half a century, (ab), Radiology 1989; **172:** 888

Lieberman RP See **Haire WD**

Lieberman RP See **Kaplan PA**

Lieberman RP See **Lund GB**

Lieberman RP; Waldman SD: celiac plexus neurolysis with the modified transaortic approach, Radiology 1990; **175:** 274

Lieberson R See **Parisi M**

Liebert M See **Harney JV**

Liebert M See **Wahl RL**

Liebich H-G See **Delius M**

Liebig RJ See **D'Agostino HRV**

Liebman HA See **Lee VW**

Liehn JC See **Amico S**

Liehn JC; Hannequin P; Nasca S; et al: immunoscintigraphy with indium-111 labeled monoclonal antibodies: the importance of a good display method, Clin Nucl Med 1989; **14:** 187

Liem MD: case of the season, Semin Roentgenol 1990; **25:** 285

Liem MD; Zegel HG; Balduini FC; et al: repair of Achilles tendon ruptures with a polylactic acid implant: assessment with MR imaging, AJR 1991; **156:** 769

Lien HH See **Abildgaard A**

Lien HH See **Blomlie V**

Lien HH; Blomlie V; Heimdal K: magnetic resonance imaging of malignant extradural tumors with acute spinal cord compression, Acta Radiol 1990; **31:** 187

Lien HH; Blomlie V; Kjørstad K; et al: clinical stage I carcinoma of the cervix: value of MR imaging in determining degree of invasiveness, AJR 1991; **156:** 1191

Lien HH; Blomlie V; Saeter G; Solheim Ø; Fosså SD: osteogenic sarcoma: MR signal abnormalities of the brain in asymptomatic patients treated with high-dose methotrexate, Radiology 1991; **179:** 547

Lien JM; Colmorgen GHC; Gehret JF; et al: spontaneous resolution of fetal pleural effusion diagnosed during the second trimester, JCU 1990; **18:** 54

Liendo C See **Shin MS**

Liermann D See **Strecker E-P**

Liermann DD See **Vallbracht C**

Liessi G; Semisa M; Sandini F; et al: retained surgical gauzes: acute and chronic CT and US findings, Eur J Radiol 1989; **9:** 182

Lietzenmayer R See **Schnur G**

Lieu TA; Fleisher GR; Mahboubi S; et al: hematuria and clinical findings as indications for intravenous pyelography in pediatric blunt renal trauma, (ab), Radiology 1989; **170:** 903

Liew KH See **Guiney MJ**

Liewendahl K See **Kairemo KJA**

Liff JM See **Griffin PM**

Ligeti L See **van Zijl PCM**

Light RW See **Milne N**

Light RW; O'Hara VS; Moritz TE; et al: intrapleural tetracycline for the prevention of recurrent spontaneous pneumothorax: results of a Department of Veterans Affairs Cooperative Study, (ab), JVIR 1991; **2:** 291

Lightdale CJ See **Botet JF**

Lightfoot NE See **Pinzon JL**

Lightfoot NE See **Tam CKH**

Lightfoote J See **Matthews RJ**

Lightfoote JB; Grusd RS; Nalls GA: azygos anterior cerebral artery mimicking an anterior communicating artery aneurysm, AJNR 1989; **10:** S74

Lignères C See **Ghossain MA**

Ligon RW See **Stone GW**

Liguory CE See **Bonnel DH**

Liippo K See **Nikkanen V**

Liippo KK; Terho T: concomitant monitoring of serum neuron-specific enolase and creatine kinase BB in small cell lung cancer, Acta Oncol 1991; **30:** 321

Lile R; Thickman D; Miller GJ; et al: prostatic comedocarcinoma: correlation of sonograms with pathologic specimens in three cases, AJR 1990; **155:** 303

Lilford RJ See **Ostlere SJ**

Lilja A See **Tovi M**

Lilja A; Lundqvist H; Olsson Y; et al: positron emission tomography and computed tomography in differential diagnosis between recurrent or residual glioma and treatment-induced brain lesions, Acta Radiol 1989; **30:** 121

Lilja B See **Sundkvist G**

Liljedahl RR See **Rak KM**

Lillemoe KD See **Magnuson TH**

Lillemoe KD See **Webb TH**

Lillimoe KD See **Fishman EK**

Lim CT See **Raman S**

Lim GM; Jeffrey RB Jr; Ralls PW; et al: septic thrombosis of the portal vein: CT and clinical observations, JCAT 1989; **13:** 656

Lim GM; Jeffrey RB Jr; Tolentino CS: pancreatic pseudoaneurysm: monitoring the success of transcatheter embolization with duplex sonography, J Ultrasound Med 1989; **8:** 643

Lim JH See **Choi BI**

Lim JH See **Lee DH**

Lim JH: oriental cholangiohepatitis: pathologic, clinical, and radiologic features, AJR 1991; **157:** 1

Lim JH: radiologic findings of clonorchiasis, AJR 1990; **155:** 1001

Lim JH; Auh YH; Suh SJ; et al: right perirenal space: computed tomography evidence of communication between the bare area of the liver, Clin Imag 1990; **14:** 239

Lim JH; Chung KB; Cho OK; et al: acinar cell carcinoma of the pancreas: ultrasonography and computed tomography findings, Clin Imag 1990; **14:** 301

Lim JH; Ko YT: clonorchiasis of the pancreas, Clin Radiol 1990; **41:** 195

Lim JH; Ko YT; Lee DH; et al: clonorchiasis: sonographic findings in 59 proved cases, AJR 1989; **152:** 761

Lim JH; Ko YT; Lee DH; et al: oriental cholangiohepatitis: sonographic findings in 48 cases, AJR 1990; **155:** 511

Lim JH; Ko YT; Lee DH: sonographic sliding sign in localization of right upper quadrant mass, J Ultrasound Med 1990; **9:** 455

Lim JH; Ryu KN; Ko YT; et al: anatomic relationship of intrahepatic bile ducts to portal veins, J Ultrasound Med 1990; **9:** 137

Lim JH; Ryu KN; Yoon Y; et al: medial extent of the posterior renal fascia: an anatomic and computed tomography study, Clin Imag 1990; **14:** 17

Lim K See **Shields AF**

Lim KO See **Wolff SD**

Lim KO; Pfefferbaum A: segmentation of MR brain images into cerebrospinal fluid spaces, white and gray matter, JCAT 1989; **13:** 588

Lim KO; Stark DD; Leese PT; Pfefferbaum A; Rocklage SM; Quay SC: hepatobiliary MR imaging: first human experience with MnDPDP, Radiology 1991; **178:** 79

Lim RC See **Collins PS**

Lim TH See **Yoo S-J**

Lim V; Sobel DF; Zyroff J: spinal cord pial metastases: MR imaging with gadopentetate dimeglumine, AJNR 1990; **11:** 975

Lim V; Sobel DF; Zyroff J: spinal cord pial metastases: MR imaging with gadopentetate dimeglumine, AJR 1990; **155:** 1077

Limberg B: diagnosis of acute ulcerative colitis and colonic Crohn's disease by colonic sonography, JCU 1989; **17:** 25

Limberg B: sonographic features of colonic Crohn's disease: comparison of in vivo and in vitro studies, JCU 1990; **18:** 161

Limbruno U See **Balbarini A**

Limburg M; van Royen EA; Hijdra A; et al: rCBF-SPECT in brain infarction: when does it predict outcome?, J Nucl Med 1991; **32:** 382

Limonetti P See **Tartagni F**
Lin BPC; Chu JMG; Rose RA: ultrasound guided fine needle biopsy of the liver for cytology and histology, Australas Radiol 1991; **35:** 33
Lin C See **Hazlewood CF**
Lin DS: "missing" one kidney, Semin Nucl Med 1991; **21:** 167
Lin DTC See **Munk PL**
Lin D-Y See **Lin H-H**
Lin F-C See **Fang B-R**
Lin F-J See **Chen M-S**
Lin FJ See **Tang SGJ**
Lin H-H See **Chang-Chien C-S**
Lin H-H See **Chen J-J**
Lin H-H; Chang-Chien C-S; Lin D-Y: hepatic parenchymal calcifications—differentiation from intrahepatic stones, JCU 1989; **17:** 411
Lin H-J; Lee F-Y; Chan C-Y; et al: heat probe thermocoaguiation as a substitute for surgical intervention to arrest massive peptic ulcer hemorrhage: an experience in 153 cases, (ab), JVIR 1990; **1:** 139
Lin J-C See **Song CW**
Lin JC-T See **Shih S-L**
Lin M See **Teitelbaum GP**
Lin MC See **Wolf SI**
Lin MC; Forrest JV; Mattrey RF; et al: intravascular hematocrit effect in cross-sectional CT imaging, JCAT 1991; **15:** 464
Lin MC; Gosink BB; Wolf SI; Feldesman MR; Stuenkel CA; Braly PS; Pretorius DH: endometrial thickness after menopause: effect of hormone replacement, Radiology 1991; **180:** 427
Lin MCW See **Teitelbaum GP**
Lin M-S See **Liu R-S**
Lin P-S See **Wazer DE**
Lin S-J See **Moss RH**
Lin W; Haacke EM; Smith AS: lumen definition in MR angiography, JMRI 1991; **1:** 327
Lin W-C See **Chen S-Y**
Lin Y See **Dunn J**
Lin Z-Y See **Wang L-Y**
Linares LA See **Osian AD**
Lind JA Jr See **Love L**
Lind P; Langsteger W; Költringer P; et al: immunoscintigraphy of inflammatory processes with a technetium-99m-labeled monoclonal antigranulocyte antibody (MAb BW 250/183), J Nucl Med 1990; **31:** 417
Lind P; Lechner P; Arian-Schad K; et al: anti-carcinoembryonic antigen immunoscintigraphy (technetium-99m-monoclonal antibody BW 431/26) and serum CEA levels in patients with suspected primary and recurrent colorectal carcinoma, J Nucl Med 1991; **32:** 1319
Lindahl B; Alm P; Fernö M; et al: prognostic value of steroid receptor concentration and flow cytometrical DNA measurements in stage I–II endometrial carcinoma, Acta Oncol 1989; **28:** 595
Lindahl H; Rintala R: shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, Radiology 1990; **175:** 879
Lindan CE See **Haskal ZJ**
Lindberg C-G; Ivancev K; Kan Z; et al: percutaneous gastrostomy: a clinical and experimental study, Acta Radiol 1991; **32:** 302
Lindberg HL See **Bjørnstad PG**
Lindblom A See **Nobin A**
Lindegaard JC; Nielsen OS: sensitization to hyperthermia induced in a normal tissue by step-down heating, Int J Radiat Oncol Biol Phys 1991; **20:** 1023
Lindegaard JC; Nielsen OS: thermotolerance in the mouse foot estimated at various levels of normal tissue damage, Int J Radiat Oncol Biol Phys 1989; **16:** 1543
Lindegaard K-F See **Sorteberg W**
Lindell MM See **Kumar R**
Lindell S-E See **Jungquist G**
Lindeløv B; Hansen HS: advanced squamous cell carcinoma of the larynx, Acta Oncol 1990; **29:** 505
Lindeløv B; Hansen HS: effect of sequential methotrexate and 5-fluorouracil in patients with recurrent head and neck cancer, Acta Oncol 1989; **28:** 227
Lindeløv B; Kirkegaard J; Hansen HS: squamous cell carcinoma of the oral cavity: an unselected material from a 5-year period, Acta Oncol 1990; **29:** 1011
Lindeman GJ; Carr P; Tiver KW; et al: role of bipedal lymphangiography in testicular seminoma, Australas Radiol 1990; **34:** 293
Lindemann SR See **Schaefer CM**
Linden A; Zankovich R; Theissen P; Diehl V; Schicha H: malignant lymphoma: bone marrow imaging versus biopsy, Radiology 1989; **173:** 335
Linden BE See **Burton EM**
Linden CN; Martinez CR; Gonzalvo AA; et al: intrinsic third ventricle craniopharyngioma: CT and MR findings, JCAT 1989; **13:** 362
Lindén H See **Pietilä JA**
Linden K See **Vasinrapee P**
Linden SS See **Turetsky DB**
Linden SS; Sickles EA: sedimented calcium in benign breast cysts: the full spectrum of mammographic presentations, AJR 1989; **152:** 967
Linden SS; Sullivan DC: breast skin calcifications: localization with a stereotactic device, Radiology 1989; **171:** 570
Lindenbaum CR See **Cohen AW**
Lindenberg S See **Lenz S**
Lindequist S See **Rasmussen F**
Lindequist S; Justesen P; Larsen C; Rasmussen F: diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Radiology 1991; **179:** 69
Lindequist S; Larsen C; Schrøder HD: ultrasound guided needle biopsy of skeletal muscle in neuromuscular disease, Acta Radiol 1990; **31:** 411
Lindfors KK See **Gorczyca DP**
Lindfors KK See **Hartling RP**
Lindfors KK See **McGahan JP**
Lindfors KK See **Meyer JE**
Lindfors KK See **Mihalko M**
Lindfors KK; Lott SA; Alberhasky MT: new device for evaluation of biopsy specimens of occult breast lesions, AJR 1990; **154:** 261
Lindgren PG See **Elvin A**
Lindgren PG: biopsy gun, (ab), Radiology 1991; **181:** 296
Lindh J; Johansson H; Lenner P; et al: monoclonal B-cells in blood in non-Hodgkin lymphoma: correlation with clinical features and prognoses, Acta Oncol 1989; **28:** 641
Lindholm C; Hofer P-A; Jonsson H: single cell DNA cytophotometry in clinical stage I malignant melanoma: relationship to prognosis, Acta Oncol 1990; **29:** 147
Lindholm C-E See **Nilsson I**
Lindholm K See **Hilleren DJ**
Lindholm K See **Löfgren M**
Lindisch D See **Barth KH**
Lindner G See **Wu A**
Lindner H; Willich H; Atzinger A: primary adjuvant whole abdominal irradiation in ovarian carcinoma, Int J Radiat Oncol Biol Phys 1990; **19:** 1203
Lindroth M See **Mortensson W**
Lindsay DJ See **Levi CS**
Lindsay T See **Himal HS**
Lindsell DRM See **Barker CS**
Lindsell DRM See **Charig MJ**
Lindsell DRM See **Spencer JA**
Lindsey JC See **Griscom NT**
Lindskõld L See **Sager EM**
Lindsley HB See **Murphey MD**
Lindstrand A See **Björkengren AG**
Lindström E; Ihse I: computed tomography findings in pancreas divisum, Acta Radiol 1989; **30:** 609
Lindstrom MJ; Fowler JF: re-analysis of the time factor in local control by radiotherapy of T_3T_4 squamous cell carcinoma of the larynx, Int J Radiat Oncol Biol Phys 1991; **21:** 813
Lindstrom WW See **Giller CA**
Line BR: nuclear medicine information management systems, Semin Nucl Med 1990; **20:** 242
Line BR: scintigraphic studies of inflammation in diffuse lung disease, Radiol Clin North Am 1991; **29:** 1095
Linehan WM See **Choyke PL**
Linehan WM See **Miller DL**
Ling A See **Black WC**
Ling A See **Frank JA**
Ling C See **Larson D**
Ling CC See **Leibel SA**
Ling CC See **Roy JN**
Ling CC; Chen GTY; Boothby JW; et al: computer assisted treatment planning for ^{125}I ophthalmic plaque radiotherapy, Int J Radiat Oncol Biol Phys 1989; **17:** 405
Ling CC; Wong RSL; Basas RD: glutathione depletion and cytotoxicity of buthionine sulphoximine and SR2508 in rodent and human cells, Int J Radiat Oncol Biol Phys 1990; **18:** 325
Ling F See **Nolan R**
Ling J See **Liu Y-Q**
Ling LB See **Herrlin K**
Ling M See **Brauer M**
Ling P See **Einhorn N**
Linggood RM See **Dunbar SF**
Lingley JF See **Quirk ME**
Lingman G See **Gudmundsson S**
Lingos TI; Recht A; Vicini F; et al: radiation pneumonitis in breast cancer patients treated with conservative surgery and radiation therapy, Int J Radiat Oncol Biol Phys 1991; **21:** 355
Lin-Greenberg A; Cholankeril J: vertebral arch destruction in tuberculosis: CT features, JCAT 1990; **14:** 300
Linjawi T See **von Sinner WN**
Link DP; Lantz BMT; Seibert JA; et al: partial splenic embolization guided by blood flow measurements, Invest Radiol 1989; **24:** 678
Link DP; Seibert JA; Gould J; et al: on-line monitoring of sequential blood flow reduction during splenic embolization, Acta Radiol 1989; **30:** 101
Link G See **Yinnon A**
Link JM See **Caldwell JH**
Link JM See **Grierson JR**
Link KM See **Formanek AG**
Link KM; Weesner KM; Formanek AG: MR imaging of the criss-cross heart, AJR 1989; **152:** 809
Link MP See **Mefferd JM**
Link MP See **Miller L**
Linke CA See **Donahue LA**
Linker DT; Angelsen BAJ; Popp RL: autocorrelation length of normal and myopathic human myocardium measured by acoustic microscopy: implications for clinical ultrasonic tissue characterization, Ultrasound Med Biol 1990; **16:** 793
Linkesch W See **Müller C**
Links JM See **Herold CJ**
Links JM; Jeremy RW; Dyer SM; et al: Wiener filtering improves quantification of regional myocardial perfusion with thallium-201 SPECT, J Nucl Med 1990; **31:** 1230
Linnell FS See **Hilleren DJ**
Linscheid RL See **Smith DK**
Linstadt D; Castro J; Char D; et al: long-term results of helium ion irradiation of uveal melanoma, Int J Radiat Oncol Biol Phys 1990; **19:** 613
Linstadt D; Wara WM; Leibel SA; et al: postoperative radiotherapy of primary spinal cord tumors, Int J Radiat Oncol Biol Phys 1989; **16:** 1397
Linstadt DE See **Decker M**
Linstadt DE See **Nowakowski VA**
Linstadt DE; Castro JR; Phillips TL: neon ion radiotherapy: results of the phase I/II clinical trial, Int J Radiat Oncol Biol Phys 1991; **20:** 761
Linstadt DE; Edwards MSB; Prados M; et al: hyperfractionated irradiation for adults with brainstem gliomas, Int J Radiat Oncol Biol Phys 1991; **20:** 757
Linton O See **James AE Jr**
Linton OW See **Rogers LF**
Lintott DJ See **Fowler RC**
Liou JTS; Lee JKT; Heiken JP; Totty WG; Molina PL; Flye WM: renal transplants: can acute rejection and acute tubular necrosis be differentiated with MR imaging?, Radiology 1991; **179:** 61
Lipchik EO See **Erickson SJ**
Lipchik EO See **Mewissen MW**
Lipchik EO: arterial occlusive disease below the knee, Radiology 1989; **171:** 283
Lipchik EO; Cohen EB; Mewissen MW: transvenous liver biopsy in critically ill patients: adequacy of tissue samples, Radiology 1991; **181:** 497
Lipchik EO; Mewissen MW: comparison of normal intraarterial digital subtraction angiography with standard angiography in patients with symptomatic cerebrovascular ischemia, AJNR 1990; **11:** 837
Lipkowitz G See **Becker JA**
Lipman JC See **Meyer JE**
Lipman JC See **Winalski CS**
Lipman JK See **Artenian DJ**
Lippa C See **Hayes E**
Lippe B; Geffner ME; Dietrich RB; et al: renal malformations in patients with Turner syndrome: imaging in 141 patients, (ab), Radiology 1989; **172:** 591
Lipper MH See **Bolen JW Jr**
Lipper S See **Gero MJ**
Lippman HR See **Cole TJ**
Lips CJM See **Vasen HFA**
Lipschik GY See **Travis WD**
Lipschitz SS See **Dunn EK**
Lipsett JA See **Pezner RD**
Lipshultz SE See **Braverman RM**
Lipski S; Brunelle F; Aicardi J; et al: Gd-DOTA-enhanced MR imaging in two cases of Sturge-Weber syndrome, AJNR 1990; **11:** 690
Lipson A; Bartram CI; Williams CB; et al: barium studies and ileoscopy compared in children with suspected Crohn's disease, Clin Radiol 1990; **41:** 5
Lipson S See **Abrahams C**
Lipton ME; Pellegrini V; Harris I: is the coned lateral lumbosacral junction radiograph necessary for radiological diagnosis?, Br J Radiol 1991; **64:** 420
Lipton MJ See **Diethelm L**
Lipton MJ See **Jaschke W**
Lipton MJ See **Schmiedl U**
Lis LE; Cohen AJ: CT cystography in the evaluation of bladder trauma, JCAT 1990; **14:** 386
Lis S; Lampropoulos C; Sarwar M: quadrigeminal plate hamartoma, AJNR 1989; **10:** S56
Lisbona A See **Rosenbloom MB**
Lisbona A See **Vieco PT**
Lisbona R See **Hadjipavlou A**
Lisbona R; Derbekyan V; Novales-Diaz JA; et al: scintigraphic and ultrasound features of giant hemangiomas of the liver, J Nucl Med 1989; **30:** 181

Lisbona R; Hakim TS; Dean GW; et al: regional pulmonary perfusion following human heart-lung transplantation, J Nucl Med 1989; **30:** 1297

Lisle D See Ratcliffe J

Lisle D; Ratcliffe JF; Faoagali J; et al: bacterial contamination of contrast media stored after opening, Br J Radiol 1990; **63:** 532

Lissac M See Coudert JL

Lissac M; Metrop D; Brugirard J; et al: dental materials and magnetic resonance imaging, Invest Radiol 1991; **26:** 40

Lissner J See Seiderer M

Lissner J See Vogl TJ

List A See Keenan RJ

Listernick R; Charrow J; Greenwald MJ; et al: optic gliomas in children with neurofibromatosis type 1, (ab), Radiology 1990; **174:** 295

Listerud J See Bobman SA

Listerud J See Chan TW

Listerud J See Dousset V

Listerud J See Lenkinski RE

Listerud J; Lenkinski RE; Axel L; et al: hydrogen ultrathin phase-encoded spectroscopy (HUPSPEC), Magn Res Med 1990; **14:** 507

Listerud JM See Imai Y

Listinsky JJ See Marshall EA

Listinsky JJ: magnetic resonance imaging of bone and soft tissue tumors and their mimics, Radiology 1990; **177:** 94

Listinsky JJ: tissue characterization in MR imaging, Radiology 1991; **179:** 290

Lithner F See Billström Å

Litt AW See Boyko OB

Litt AW See Goldsher D

Litt AW See Kagetsu NJ

Litt AW; Eidelman EM; Pinto RS; et al: diagnosis of carotid artery stenosis: comparison of 2DFT time-of-flight MR angiography with contrast angiography in 50 patients, AJNR 1991; **12:** 149

Litt AW; Eidelman EM; Pinto RS; et al: diagnosis of carotid artery stenosis: comparison of 2DFT time-of-flight MR angiography with contrast angiography in 50 patients, AJR 1991; **156:** 611

Litt AW; Kondo N; Bannon KR; et al: role of slice thickness in MR imaging of the internal auditory canal, JCAT 1990; **14:** 717

Litt HI See Burstein D

Litt L See Fisher DM

Littbrand B See Henriksson R

Litten RZ; Walden TL; Gainey GT; et al: alteration of cardiac myosin isozymes after whole-body irradiation, Br J Radiol 1989; **62:** 189

Little JB See Rutz HP

Little JB; Gorgojo L; Vetrovs H: delayed appearance of lethal and specific gene mutations in irradiated mammalian cells, Int J Radiat Oncol Biol Phys 1990; **19:** 1425

Little JM See Hollands MJ

Little R See Breneman JC

Littlejohn G See Cicuttini F

Littlejohn G See Doyle T

Littleton JT; Durizch ML; Moeller G; Herbert DE: pulmonary masses: contrast enhancement, Radiology 1990; **177:** 861

Littrup PJ See Lee F Jr

Littrup PJ See Torp-Pedersen ST

Littrup PJ; Kane RA; Williams CR; Egglin TK; Lee F; Torp-Pedersen S; Church PA: determination of prostate volume with transrectal US for cancer screening: part I. comparison with prostate-specific antigen assays, Radiology 1991; **178:** 537

Littrup PJ; Williams CR; Egglin TK; Kane RA: determination of prostate volume with transrectal US for cancer screening: part II. accuracy of in vitro and in vivo techniques, Radiology 1991; **179:** 49

Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS: percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Radiology 1989; **172:** 331

Litvack F; Jakubowski AT; Buchbinder NA; et al: lack of sustained clinical improvement in an elderly population after percutaneous aortic valvuloplasty, (ab), Radiology 1989; **171:** 588

Litwiller T See Miles SG

Liu A; Katzenellenbogen JA; VanBrocklin HF; et al: 20-[^{18}F]fluoromibolerone, a positron-emitting radiotracer for androgen receptors: synthesis and tissue distribution studies, J Nucl Med 1991; **32:** 81

Liu BL See Kung HF

Liu B-L See Kung M-P

Liu BL; Kung HF; Jin YT; et al: synthesis, characterization, and biodistribution of [^{113m}In]TE-BAT: a new myocardial imaging agent, J Nucl Med 1989; **30:** 367

Liu C See Edelman RR

Liu C See Ward PH

Liu C-K See Sullivan T

Liu CP See Edelman RR

Liu DPC; Sze G: intracranial sarcoidosis on gadolinium-enhanced MRI, Neuroradiol 1991; **33:** 189

Liu FF See Bell RS

Liu F-F; Maki E; Warde P; et al: management approach to incompletely excised basal cell carcinomas of skin, Int J Radiat Oncol Biol Phys 1991; **20:** 423

Liu HM See Yip P-K

Liu J-B See Goldberg BB

Liu J-B; Merton DA; Mitchell DG; Needleman L; Kurtz AB; Goldberg BB: color Doppler imaging of the iliofemoral region, Radiographics 1990; **10:** 403

Liu J-Y See Kuo Y-C

Liu L See Williams DM

Liu M-T See Tan R

Liu P See Roberts EA

Liu P; Armstrong P; Skippen P: post-traumatic fat embolism in the inferior vena cava, J Canad Assoc Radiol 1990; **41:** 303

Liu R-S See Chu Y-K

Liu R-S; Lin M-S; Yeh S-H: dolichocolon: an incidental finding on gallium scintigraphy, Clin Nucl Med 1990; **15:** 356

Liu S See Bohning DE

Liu S-K; Thacher C: case report 622, Skeletal Radiol 1990; **19:** 383

Liu S-K; Thacher C: case report 673, Skeletal Radiol 1991; **20:** 311

Liu SS; Williams KD; Drayer BP; et al: synovial cysts of the lumbosacral spine: diagnosis by MR imaging, AJNR 1989; **10:** 1239

Liu SS; Williams KD; Drayer BP; et al: synovial cysts of the lumbosacral spine: diagnosis by MR imaging, AJR 1990; **154:** 163

Liu T-H See Bassett LW

Liu T-H See Runge VM

Liu T-Y; Chen S-C; Wang L-Y; et al: systemic amyloidosis presenting as splenic tumor, Gastrointest Radiol 1991; **16:** 137

Liu YH See Cheng YF

Liu Y-Q; Ling J; Wang Z-L: intravenous digital subtraction angiography in patients with aorto-arteritis (Takayasu's), Cardiovasc Intervent Radiol 1990; **13:** 83

Livet MO See Mancini J

Livingston RB See Brunvand MW

Livolsi A See Kastler B

Livraghi T See Sironi S

Livraghi T; Paracchi A; Ferrari C; Bergonzi M; Garavaglia G; Raineri P; Vettori C: treatment of autonomous thyroid nodules with percutaneous ethanol injection: preliminary results. work in progress, Radiology 1990; **175:** 827

Livraghi T; Sangalli G; Vettori C: adenomatous hyperplastic nodules in the cirrhotic liver: a therapeutic approach. work in progress, Radiology 1989; **170:** 155

Livraghi T; Vettori C: percutaneous ethanol injection therapy of hepatoma, Cardiovasc Intervent Radiol 1990; **13:** 146

Livraghi T; Vettori C; Lazzaroni S: liver metastases: results of percutaneous ethanol injection in 14 patients, Radiology 1991; **179:** 709

Ljungberg M; Strand S-E: attenuation and scatter correction in SPECT for sources in a nonhomogeneous object: a Monte Carlo study, J Nucl Med 1991; **32:** 1278

Ljungberg M; Strand S-E: attenuation correction in SPECT based on transmission studies and Monte Carlo simulations of build-up functions, J Nucl Med 1990; **31:** 493

Ljungberg M; Strand S-E: scatter and attenuation correction in SPECT using density maps and Monte Carlo simulated scatter functions, J Nucl Med 1990; **31:** 1560

Llauger J See Coscojuela P

Llauger J See Mata JM

Llauger J See Pérez CM

Llauger J; Pérez C; Coscojuela P; et al: aggressive angiomyxoma of pelvic soft tissue: CT appearance, Urol Radiol 1990; **12:** 25

Llauger J; Pérez C; Coscojuela P; et al: hepatic metastases: false-negative CT portography in cases of fatty infiltration, JCAT 1991; **15:** 320

Llaurado JG; Brewer LA III; Elam DA; et al: radioisotopic pulmonary lobectomy: feasibility study in dogs, J Nucl Med 1990; **31:** 594

Llerena JM: cross-sectional anatomy for computed tomography, Radiology 1989; **172:** 982

Llerena JM: essentials of body computed tomography, Radiology 1990; **176:** 760

Llewellyn HJ See Schaefer CM

Llewelyn JG; Valentine AR; Bradley C; et al: multifocal central nervous system lesions and retropharyngeal lymphadenopathy on magnetic resonance imaging: an association that suggested progressive multifocal leukoencephalopathy in a patient with acute aphasia, Br J Radiol 1990; **63:** 897

Llorca AL See Guibelalde E

Lloret JL See Riesmüller R

Lloyd DA; Stein JS; Rowe MI: effects of a hyperosmolar intravenous contrast medium on blood viscosity, Invest Radiol 1991; **26:** 220

Lloyd DC; Taylor PM: calcification of the intrathoracic trachea demonstrated by computed tomography, Br J Radiol 1990; **63:** 31

Lloyd DJ See Deans HE

Lloyd GAA See Woodhead P

Lloyd JJ See James JM

Lloyd K See Charig MJ

Lloyd MNH; Lees WR; Milroy EJG: pre-operative localisation in primary hyperparathyroidism, Clin Radiol 1990; **41:** 239

Lloyd R See Steinberg AW

Lloyd T See Morris CS

Lo EH; DeLaPaz RL; Frankel KA; et al: MRI and PET of delayed heavy-ion radiation injury in the rabbit brain, Int J Radiat Oncol Biol Phys 1991; **20:** 689

Lo JY See Chotas HG

Lo RNS See Lau KC

Lo RNS See Wong SN

Lo WWM; Shelton C; Waluch V; Solti-Bohman LG; Carberry JN; Brackmann DE; Wade CT: intratemporal vascular tumors: detection with CT and MR imaging, Radiology 1989; **171:** 445

Lo Y-F See Arnold MM

Loback D See Wedge JH

Lobel SM See Meyerovitz MF

Lobert PF See Baran GW

Loboguerrero A See Herrmann T

LoBrutto R See Atlas SW

LoBuglio AF See Meredith RF

Locke CS See Baran GW

Locke GE See Kramer LD

Locke JL See Macones AJ Jr

Locker AP See Blamey RW

Locker AP; Hanley P; Wilson AR; et al: mammography in the pre-operative assessment and post-operative surveillance of patients treated by excision and radiotherapy for primary breast cancer, Clin Radiol 1990; **41:** 388

Locker J See Yousem SA

Lockhart J See Holen J

Lockhart SK; Coan JD; Jaffe N; et al: osteosarcoma metastatic to the kidney, Clin Imag 1989; **13:** 154

Locko RC See Heiden RA

Locks SM See Day MJ

Locksmith JP; Brannon MH: diffuse CT contrast enhancement of cervical lymph nodes in angioimmunoblastic lymphadenopathy, JCAT 1991; **15:** 703

Lodes CC; Felmlee JP; Ehman RL; et al: proton MR chemical shift imaging using double and triple phase contrast acquisition methods, JCAT 1989; **13:** 855

Lodwick GS See Kattapuram SV

Lodwick GS See Murphy WA Jr

Loeb PE See Jacobs MA

Loeffler JS See Kooy HM

Loeffler JS; Alexander E III; Hochberg FH; et al: clinical patterns of failure following stereotactic interstitial irradiation for malignant gliomas, Int J Radiat Oncol Biol Phys 1990; **19:** 1455

Loeffler JS; Alexander E III; Siddon RL; et al: stereotactic radiosurgery for intracranial arteriovenous malformations using a standard linear accelerator, Int J Radiat Oncol Biol Phys 1989; **17:** 673

Loeffler JS; Rossitch E Jr; Siddon RL; et al: role of stereotactic radiosurgery with a linear accelerator in treatment of intracranial arteriovenous malformations and tumors in children, (ab), Radiology 1990; **177:** 598

Loeffler W See Sauter R

Loeffler W; Laub G: magnetic resonance angiography, J Canad Assoc Radiol 1990; **41:** 19

Loehnert J See Raunest J

Loening SA See Johlin FC

Loercher G See Levine MS

Loes DJ See Yuh WTC

Loes DJ; Barloon TJ; Yuh WTC; et al: MR anatomy and pathology of the hypothalamus, AJR 1991; **156:** 579

Loes DJ; Biller J; Yuh WTC; et al: leukoencephalopathy in cerebral amyloid angiopathy: MR imaging in four cases, AJNR 1990; **11:** 483

Loew MH See Kim H-J

Loewenstein DA See Bowen BC

Loewenthal E See Gomori JM

Loffredo C See Beitler JJ

Löfgren J See Berthelsen B

Löfgren M; Andersson I; Lindholm K: stereotactic fine-needle aspiration for cytologic diagnosis of nonpalpable breast lesions, AJR 1990; **154:** 1191

Lofland GK See Das Narla L

Loflin TG See Allen B

Loftus CM; Silvidi JA; Becker JA; et al: correlation of experimental rCBF determinations in goats with flow measurements from a Doppler-modified carotid artery shunt, J Ultrasound Med 1989; **8:** 7

Logan CJH See Gilchrist AM
Logan H; Daly L; Masterson J: comparison of two different T-grain films in rare-earth screens with a standard film–screen combination for intravenous pyelography and bone examinations, Br J Radiol 1989; **62:** 237
Logan H; Meire H: calcified splenic and portal vein thrombosis: an unusual cause of multiple high amplitude echoes in the spleen, Br J Radiol 1991; **64:** 366
Logan WW; Hoffman NY: diabetic fibrous breast disease, Radiology 1989; **172:** 667
Logemann JA See Dodds WJ
Logemann JA; Kahrilas PJ; Begelman J; et al: interactive computer program for biomechanical analysis of videoradiographic studies of swallowing, AJR 1989; **153:** 277
Logic JR See Palmer-Lawrence JL
Logsdon G See Point SW
Logue JP; Cairnduff F: radiation induced extraskeletal osteosarcoma, Br J Radiol 1991; **64:** 171
Logus JW See Ahmed IH
Loh G See Wright KC
Loh I-W See Chau W-K
Lohela P See Tikkakoski T
Lohmuller JL See Nagorney DM
Löhr E See Sievers KW
Loire R See Cordier J-F
Lois JF See Gomes AS
Lois JF; Hartzman S; McGlade CT; Gomes AS; Grant EC; Berquist W; Perrella RR; Busuttil RW: Budd-Chiari syndrome: treatment with percutaneous transhepatic recanalization and dilation, Radiology 1989; **170:** 791
Loke SL See Liang R
Lokhandwala YY; Rajani RM; Dalvi BV; et al: successful balloon valvotomy in isolated congenital tricuspid stenosis, Cardiovasc Intervent Radiol 1990; **13:** 354
Lokich JJ See Marlink RG
Lomas DJ See Gleeson F
Lomasney J See Lomasney L
Lomasney L; Bergin CJ; Lomasney J; et al: CT appearance of lunate trachea, JCAT 1989; **13:** 520
Lomazzi A See Di Lelio A
Lombard CM See Kemper CA
Lombard CM; Duncan SR; Rizk NW; et al: diagnosis of Wegener's granulomatosis from transbronchial biopsy specimens, (ab), Radiology 1991; **178:** 588
Lombardi F; Rottoli L; Gianni C; et al: advanced neuroblastoma: results of two treatment programs including sequential hemibody irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 485
Lombardi LJ See Barasch E
Lombardi S See Fleischer AC
Lombardo D See Todros T
Lombardo DM; Baker ME; Spritzer CE; et al: hepatic hemangiomas vs metastases: MR differentiation at 1.5 T, AJR 1990; **155:** 55
Lomeña FJ See Catafau AM
London J; Kim EE; Wallace S; et al: MR imaging of liposarcomas: correlation of MR features and histology, JCAT 1989; **13:** 832
London JF See Doppman JL
London JF; Shawker TH; Doppman JL; Frucht HH; Vinayek R; Stark HA; Miller LS; Miller DL; Norton JA; Jensen RT; Gardner JD; Maton PN: Zollinger-Ellison syndrome: prospective assessment of abdominal US in the localization of gastrinomas, Radiology 1991; **178:** 763
London NJM See Miles KA
London NJM; Neoptolemos JP; Lavelle J; et al: serial computed tomography scanning in acute pancreatitis: a prospective study, (ab), Radiology 1989; **172:** 882
London SN See Angtuaco TL
Londrey GL; Hodgson KJ; Spadone DP; et al: initial experience with color-flow duplex scanning of infrainguinal bypass grafts, (ab), Radiology 1991; **178:** 899
Loneragan R; Doust BD; Fagan P; et al: magnetic resonance imaging evaluation of cerebellopontine angle tumours, Australas Radiol 1989; **33:** 47
Loneragan R; Doust BD; Walker J: neuroradiological manifestations of the acquired immune deficiency syndrome, Australas Radiol 1990; **34:** 32
Long AL; Page PE; Raynaud AC; Beyssen BM; Piessinger JN; Ducimetière P; Relland JY; Gaux JC: percutaneous iliac artery stent: angiographic long-term follow-up, Radiology 1991; **180:** 771
Long B See Cohen MD
Long CA; Teplick SK; Baker ML; Brandon JC: in vitro cholesterol gallstone dissolution: comparison of methyl *tert*-butyl ether with three new ester solvents, Radiology 1991; **180:** 47
Long DM See Zinreich SJ
Long MG; Boultbee JE; Begent RHJ; et al: ultrasonic morphology of the uterus and ovaries after treatment of invasive mole and gestational choriocarcinoma, Br J Radiol 1990; **63:** 942
Long R; Maycher B; Scalcini M; et al: chest roentgenogram in pulmonary tuberculosis patients seropositive for human immunodeficiency virus type I, (ab), Radiology 1991; **179:** 883
Long TD; Berens S: splenic exclusion for renal flow studies, Clin Nucl Med 1991; **16:** 192
Long WB See Silfen D
Longley DG See Hunter DW
Longley DG; Dunn DL; Gruessner R; et al: detection of pancreatic fluid and urine leakage after pancreas transplantation: value of CT and cystography, AJR 1990; **155:** 997
Longmaid HE See Finn JP
Longmore DB See Kilner PJ
Longmore DB See Mohiaddin RH
Longmore DB See Pennell DJ
Longmore DB See Rees S
Longo JM See Bilbao JI
Longo JM; Rodríguez-Cabello J; Bilbao JI; et al: popliteal vein thrombosis and popliteal artery compression complicating fibular osteochondroma: ultrasound diagnosis, JCU 1990; **18:** 507
Longo WE See Savoca PE
Longo WL See Robins HI
Longson FW See Frederick PR
Longstaff A See Troughton AH
Lonky NM; Worthen N; Ross MG: prediction of cesarean section scars with ultrasound imaging during pregnancy, J Ultrasound Med 1989; **8:** 15
Lönnemark M See Ericsson A
Lönnemark M; Hemmingsson A; Bach-Gansmo T; et al: effect of superparamagnetic particles as oral contrast medium at magnetic resonance imaging: a phase I clinical study, Acta Radiol 1989; **30:** 193
Lönnemark M; Hemmingsson A; Bach-Gansmo T; et al: superparamagnetic particles as oral contrast medium in MR imaging of malignant lymphoma, Acta Radiol 1991; **32:** 232
Lönnemark M; Hemmingsson A; Ericsson A; et al: oral superparamagnetic particles for magnetic resonance imaging: effect in plain and viscous aqueous suspensions, Acta Radiol 1990; **31:** 303
Lønning PE See Klepp R
Lønning PE: new endocrine drugs for treatment of advanced breast cancer, Acta Oncol 1990; **29:** 379
Loose HWC See Jeans WD
Loper KA See Coldwell DM
Lopez H See Smith SW
Lopez J See Alvarez G
Lopez JA; Jarow JP: duplex ultrasound findings in men with Peyronie's disease, Urol Radiol 1991; **12:** 199
Lopez MJ; Blackwell CW: breast cancer detected by screening: the importance of long-term follow-up, (ab), Radiology 1990; **175:** 290
López P See Ceres L
López-Barea F; Contreras F; Sanchez-Herrera S: case report 540, Skeletal Radiol 1989; **18:** 237
López-Barea F; Rodríguez-Peralto JL; Burgos-Lizalde E; et al: case report 639, Skeletal Radiol 1991; **20:** 125
Lopez-Trigo J See Casado-Naranjo I
Lopez-Velarde P; Hallman GL; Treistman B: aneurysm of an aortocoronary saphenous vein bypass graft presenting as an anterior mediastinal mass, (ab), Radiology 1989; **171:** 884
Lopiano M; Stolz J; Sunshine J; et al: physician referrals to radiologists, AJR 1990; **155:** 1327
Lora F See Donoso L
Lorberboym M; Sarkar SD; Speiser P; et al: bilateral adrenal uptake of gallium-67 citrate in a patient with congenital adrenal hyperplasia, Clin Nucl Med 1990; **15:** 849
Lord B See Koolpe HA
Lord RS See Ramsay SC
Loréal O; Moisan A; Bretagne J-F; et al: scintigraphic assessment of indium-111-labeled granulocyte splenic pooling: a new approach to inflammatory bowel disease activity, J Nucl Med 1990; **31:** 1470
Lorensen WE See Cline HE
Lorentzen T See Bollinger B
Lorentzen T; Torp-Pedersen S; Nolsøe C: transrectal ultrasound findings of prostate cancer mimicking primary rectal tumor, Acta Radiol 1990; **31:** 625
Lorenz A See Layer G
Lorenz CH See Powers TA
Lorenz CH; Pickens DR III; Puffer DB; et al: magnetic resonance diffusion/perfusion phantom experiments, Magn Res Med 1991; **19:** 254
Lorenz WJ See Semmler W
Loriaux DL See Doppman JL
Loriaux DL See Miller DL
Lorig R See Wood DP Jr
Lorigan JG See Fornage BD
Lorigan JG See North LB
Lorigan JG See O'Keeffe FN
Lorigan JG See Sher M
Lorigan JG; David CL; Evans HL; et al: clinical and radiologic manifestations of hemangiopericytoma, AJR 1989; **153:** 345
Lorigan JG; DuBrow RA: computed tomographic appearances and clinical significance of intussusception in adults with malignant neoplasms, Br J Radiol 1990; **63:** 257
Lorigan JG; Libshitz HI: computed tomography of hepatic oil embolism following lymphangiography, Clin Radiol 1989; **40:** 259
Lorigan JG; Libshitz HI: MR imaging of malignant pleural mesothelioma, JCAT 1989; **13:** 617
Lorigan JG; Libshitz HI; Peuchot M: radiation-induced sarcoma of bone: CT findings in 19 cases, AJR 1989; **153:** 791
Lorigan JG; O'Keeffe FN; Evans HL; et al: radiologic manifestations of alveolar soft-part sarcoma, AJR 1989; **153:** 335
Lorigan JG; Shirkhoda A; Dexeus FH: CT and MR imaging of malignant germ cell tumor of the undescended testis, Urol Radiol 1989; **11:** 113
LoSasso T See Shank B
LoSasso TJ See Fontenla DP
Losordo DW See Isner JM
Lossef SV See Rackson ME
Lossef SV; Rackson ME; Sos TA: renal angioplasty using a TEGwire angioplasty balloon: technical note, Cardiovasc Intervent Radiol 1990; **13:** 115
Lossef SV; Schwartz LH: computerized literature reference system: use of an optical scanner and optical character recognition software, AJR 1990; **155:** 617
Lossos A See Cohen D
Lotan CS; Cranney GB; Doyle M; et al: fat-shift artifact simulating aortic dissection on MR images, AJR 1989; **152:** 385
Lotan D See Starinsky R
Lote K See Lehne G
Lotito S See Remy C
Lötscher HR See Cerdan S
Lott IT See Rauch RA
Lott SA See Lindfors KK
Lötter MG See Kotzé HF
Løtveit T; Skar V; Osnes M: juxtapapillary duodenal diverticula, (ab), Radiology 1989; **172:** 585
Lotz JC; Gerhart TN; Hayes WC: mechanical properties of trabecular bone from the proximal femur: a quantitative CT study, JCAT 1990; **14:** 107
Lotz JC; Hayes WC: use of quantitative computed tomography to estimate risk of fracture of the hip from falls, (ab), Radiology 1991; **178:** 295
Lotzová E See Prasad N
Lou KV See Budorick NE
Lou S-L See Chan KK
Lou SL See Huang HK
Lou SL See Stewart BK
Lough LR See Morris CS
Loughlin KR See Belville JS
Loughran CF: case report: cystic lymph node metastasis from occult thyroid carcinoma: a sonographic mimic of a branchial cleft cyst, Clin Radiol 1991; **43:** 213
Loughran T See Conway WF
Loughry CW; Sheffer DB; Price TE; et al: use of biostereometric analysis as a screen for breast cancer, Invest Radiol 1991; **26:** 528
Louie A See Dousset V
Louie A; Arger PH: fetal genitourinary tract, Semin Roentgenol 1990; **25:** 342
Louis DS See Pennes DR
Louis O See Kalender WA
Loupas T See Hoskins PR
Loupas T; Allan PL; McDicken WN: clinical evaluation of a digital signal-processing device for real-time speckle suppression in medical ultrasonics, Br J Radiol 1989; **62:** 761
Lourens S See Matley PJ
Loury MC See Tunkel DE
Love KF See Farley TE
Love L See Shah HR
Love L; Lind JA Jr; Olson MC: persistent CT nephrogram: significance in the diagnosis of contrast nephropathy, Radiology 1989; **172:** 125
Love L; Olson MC: persistent CT nephrogram: significance in the diagnosis of contrast nephropathy—an update, Urol Radiol 1991; **12:** 206
Love M See Fowl RJ
Love MB See Ross GJ
Love MB; Revesz G; Degnan JW: teaching effectiveness in the radiology residency: a method of evaluation by residents, Invest Radiol 1990; **25:** 287
Loveday EJ; Thomas ML: distribution of recurrent varicose veins: a phlebographic study, Clin Radiol 1991; **43:** 47
Loveday EJ; Tonge KA; du Peloux Menage HG: iliopsoas abscess: an unusual complication of femoral artery catheterization, Br J Radiol 1990; **63:** 224

Lovegrove FT See **Hayes AA**
Loveless VS See **Rockett JF**
Lovell FA; Cranston PE: well-differentiated papillary mesothelioma of the peritoneum, AJR 1990; **155:** 1245
Lovelock JE; Pellegrini VD Jr: bone formation following carpal interposition arthroplasty, Skeletal Radiol 1990; **19:** 31
Lovelock JE; Schuster JA: normal posterior atlantoaxial relationship, Skeletal Radiol 1991; **20:** 121
Lovely TJ See **Wolfson BJ**
Loven DP See **Johnke RM**
Loverock LT See **Sagar SM**
Loverock P; ter Haar G; Ornerod MG; et al: effect of ultrasound on the cytoxicity of adriamycin, Br J Radiol 1990; **63:** 542
Lovett I; Benn I; Conner G; et al: review of laser assisted angioplasty, Australas Radiol 1991; **35:** 159
Lovett I; Donchey S; Doust B; et al: effects of water soluble contrast agents on the respiratory tract, Australas Radiol 1989; **33:** 124
Lovett RD; Perez CA; Shapiro SJ; et al: external irradiation of epithelial skin cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 235
Lovin JD See **Parker SH**
Low J See **Yeo EE**
Low NN; Vijayakumar S; Rosenberg I; et al: beam's eye view based prostate treatment planning: is it useful?, Int J Radiat Oncol Biol Phys 1990; **19:** 759
Low R See **Jordan J**
Low R: pocket atlas of spinal MRI, Radiology 1990; **177:** 722
Low RA; Kuni CC; Letourneau JG: pancreas transplant imaging: an overview, AJR 1990; **155:** 13
Low RN; Wall SD; Jeffrey RB Jr; Sollitto RA; Reilly LM; Tierney LM Jr: aortoenteric fistula and perigraft infection: evaluation with CT, Radiology 1990; **175:** 157
Low V; Kelsey P: CT demonstration of traumatic ventral hernia and diaphragmatic rupture: a case report, Australas Radiol 1990; **34:** 172
Low V; Khangure MS: hepatic adenoma and focal nodular hyperplasia: a diagnostic dilemma, Australas Radiol 1990; **34:** 124
Low VHS: transdiaphragmatic rupture of calcified hepatic hydatid cyst, Australas Radiol 1991; **35:** 199
Lowe B; Barnes WF; Leonard JC: absorption of Tc-99m pertechnetate from the augmented bladder during direct nuclear cystography, Clin Nucl Med 1989; **14:** 347
Lowe GM; Bernfield JB; Smith CS; Matalon TAS: gastric pneumatosis: sign of biliary stent-related perforation, Radiology 1990; **174:** 1037
Lowe GM; Donaldson JS; Backer CL: vascular rings: 10-year review of imaging, Radiographics 1991; **11:** 637
Lowe J; Papile LA: neurodevelopmental performance of very-low-birth-weight infants with mild periventricular, intraventricular hemorrhage: outcome at 5 to 6 years of age, (ab), Radiology 1991; **181:** 295
Lowe M See **Schwartz AN**
Lowe N See **Lustig R**
Lowell DG See **Mohiaddin RH**
Lower RR See **Henry DA**
Lowery WS; Whitlock WL; Dietrich RA; et al: sarcoidosis complicated by HIV infection: three case reports and a review of the literature, (ab), Radiology 1991; **179:** 293
Löwhagen T See **Adolfsson J**
Löwhagen T See **Ekman ET**
Lowrey CE See **Genez BM**
Lowry PA; Semenkovich JW; Scott LD; et al: administration of ^{131}I capsule via nasogastric tube in an uncooperative patient with Graves disease, AJR 1990; **155:** 611
Lowry PA; Tran HD: delayed visualization of the gallbladder with a rim sign: an unusual finding in chronic cholecystitis, Clin Nucl Med 1991; **16:** 1
Loyd JE See **Carroll FE Jr**
Loyd JE; Tillman BF; Atkinson JB; et al: mediastinal fibrosis complicating histoplasmosis, (ab), Radiology 1989; **171:** 587
Loyd MD See **Lane RG**
Loyer E; Eggli KD: sonographic evaluation of superior mesenteric vascular relationship in malrotation, Pediatr Radiol 1989; **19:** 173
Loyer EM; Kroll SS; David CL; et al: mammographic and CT findings after breast reconstruction with a rectus abdominis musculocutaneous flap, AJR 1991; **156:** 1159
Lozano RL See **Flickinger FW**
Lozano RL See **Yuh WTC**
Lu CC See **Fukuya T**
Lu CH See **Barloon TJ**
Lu CH See **Honda H**
Lu C-T See **Awh MH**
Lu D; Joseph PM: technique of double-resonant operation of ^{19}F and ^{1}H quadrature birdcage coils, Magn Res Med 1991; **19:** 180
Lu DS; Ho C-S; Allen LC: gallstone dissolution in methyl *tert*-butyl ether after mechanical fragmentation: in vitro study, AJR 1990; **155:** 67
Lu H-P See **Callantine MR**
Lu J-Y; Greenleaf JF: pulse-echo imaging using a nondiffracting beam transducer, Ultrasound Med Biol 1991; **17:** 265
Lu L See **Shen R-N**
Lü T-N See **Wu CC**
Lubat E See **Birnbaum BA**
Lubat E See **Huang R-M**
Lubat E; Gordon RB; Birnbaum BA; et al: CT diagnosis of posterior perineal hernia, AJR 1990; **154:** 761
Lubat E; Hernanz-Schulman M; Genieser NB; et al: sonography of the simple and complicated ipsilateral fused kidney, J Ultrasound Med 1989; **8:** 109
Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA: extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Radiology 1990; **174:** 157
Lubbe WJ See **Pagana TJ**
Lubbers DJ See **Moulton JS**
Lubbers DJ See **Patterson RB**
Lubetsky HW See **Halpern EJ**
Lubetsky HW See **White CS**
Lubin E See **Weininger J**
Luboinski B See **Martinez-Madrigal F**
Luboshitzky R See **Hardoff R**
Luburich P; Bru C; Ayuso MC; Azón A; Condom E: hepatic Kaposi sarcoma in AIDS: US and CT findings, Radiology 1990; **175:** 172
Lucak SL See **Cho KC**
Lucas A See **Dahlenburg SL**
Lucas BC; Driller J; Iwamoto T; et al: ultrasonically induced disruption and hemolysis of vitreous hemorrhages, Ultrasound Med Biol 1989; **15:** 29
Lucas CE See **Hayward SR**
Lucas GL; Luxton G; Cohen D; et al: treatment results of stereotactic interstitial brachytherapy for primary and metastatic brain tumors, Int J Radiat Oncol Biol Phys 1991; **21:** 715
Lucas RJ See **Villalba MR**
Lucaya J See **Cáceres J**
Lucaya J See **Enriquez G**
Lucaya J See **Mata JM**
Lucaya J See **Vera J**
Lucaya J; Berdon WE; Enriquez G; et al: congenital pyriform sinus fistula: a cause of acute left-sided suppurative throiditis and neck abscess in children, Pediatr Radiol 1990; **21:** 27
Luchetti R See **Cerofolini E**
Luciano R See **Rizzo G**
Lucigrai G See **Tomá P**
Luck SR See **Donaldson JS**
Lückener H-G See **Wernecke K**
Luckey MM See **DaCosta MC**
Luckman NP See **Evans JM**
Ludgate CM: three dimensional radiation therapy planning using light projection of CT scans, Clin Radiol 1989; **40:** 426
Ludgate SM See **Kunkler IH**
Ludmir J See **Samuels P**
Ludwig B See **Just M**
Ludwig JW See **Teeuwen C**
Ludwików G; Stålnacke CG; Johanson KJ; et al: microscopic and flow cytometric study of micronuclei in iododeoxyuridine labelled cells irradiated with soft x-rays, Acta Oncol 1990; **29:** 761
Ludwin S See **Nguyen KT**
Lue H-C See **Wu M-H**
Lue TF See **Nelson RP**
Lueseenhop AJ: interventional neuroradiology: a neurosurgeon's perspective, AJNR 1990; **11:** 625
Luethke JM See **Parker SH**
Luethke JM See **Yakes WF**
Luetkehans TJ See **Shanley DJ**
Luetmer PH; Stephens DH; Fischer AP: obliteration of periarterial retropancreatic fat on CT in pancreatitis: an exception to the rule, AJR 1989; **153:** 63
Luetmer PH; Stephens DH; Ward EM: chronic pancreatitis: reassessment with current CT, Radiology 1989; **171:** 353
Lufkin R See **Jabour BA**
Lufkin R See **Zhang J**
Lufkin R; Layfield L: coaxial needle system of MR- and CT-guided aspiration cytology, JCAT 1989; **13:** 1105
Lufkin RB See **Chui L**
Lufkin RB See **Crawford SC**
Lufkin RB See **Dresel SHJ**
Lufkin RB See **Duckwiler GR**
Lufkin RB See **Han MH**
Lufkin RB See **Robinson JD**
Lufkin RB See **Runge VM**
Lufkin RB See **Som PM**
Lufkin RB See **Spickler EM**
Lufkin RB See **Teresi LM**
Lufkin RB See **To SYC**
Lufkin RB See **Watanabe AT**
Lufkin RB See **Whyte AM**
Lufkin RB: approaches to fast MR imaging, Comput Med Imag Graph 1989; **13:** 145
Lufkin RB: MR imaging of firearm projectiles, Radiology 1991; **179:** 285
Lufkin RB: severe anaphylactoid reaction to Gd-DTPA, Radiology 1990; **176:** 879
Lugano EM See **Foley M**
Luh K-T See **Yang P-C**
Luh N See **Winkler ML**
Luhmann K IV See **Gottlieb RH**
Lui K See **Costello S**
Lui W-Y See **Chou Y-H**
Luini A See **Veronesi U**
Luisiri A; Salinas-Madrigal L; Noguchi A; et al: renal tubular dysgenesis, AJR 1991; **157:** 383
Luisiri A; Vogler C; Steinhardt G; et al: neonatal cystic testicular gonadoblastoma: sonographic and pathologic findings, J Ultrasound Med 1991; **10:** 59
Luk K See **Shrivastava P**
Lukancic SP; Nemcek AA Jr; Vogelzang RL: posttraumatic intrahepatic arterial pseudoaneurysm: treatment with direct percutaneous puncture, JVIR 1991; **2:** 335
Lukas HP See **Lehner KB**
Luke BA See **Whitten CG**
Lukeman JM See **Kawashima A**
Lukes P See **Tidebrant G**
Lukin R See **Gaskill MF**
Lukin R: neuroimaging: 1990, Semin Roentgenol 1989; **24:** 218
Lukin RR See **Wiot JG**
Lulu BA See **Hynynen K**
Lulu BA; Lutz W; Stea B; et al: treatment planning of template-guided stereotaxic brain implants, Int J Radiat Oncol Biol Phys 1990; **18:** 951
Lum A See **Powers T**
Lum PA; Davis MJ; Orizaga M: computed tomography fluid–fluid level in bone metastasis, J Canad Assoc Radiol 1990; **41:** 296
Luna E See **Kolla IS**
Luna SK See **Jeanty P**
Luna-Fineman S; Healy MV; Parker BR: corticosteroid pretreatment for potential contrast reactions in children with lymphoreticular cancer: a word of caution, AJR 1990; **155:** 357
Lund E See **Routh WD**
Lund E; Jørgensen J; Christensen SE; et al: reduction in sella turcica volume: an effect of long-term treatment with the somatostatin analogue, SMS 201-995, in acromegalic patients, Neuroradiol 1991; **33:** 162
Lund G See **Robinson HJ**
Lund GB See **Felmlee JP**
Lund GB See **Haire WD**
Lund GB: second opinion: transhepatic cannulation of the inferior vena cava, JVIR 1991; **2:** 334
Lund GB; Lieberman RP; Haire WD; Martin VA; Kessinger A; Armitage JO: translumbar inferior vena cava catheters for long-term venous access, Radiology 1990; **174:** 31
Lund JT See **Kriegshauser JS**
Lund JT; Ehman RL; Julsrud PR; et al: cardiac masses: assessment by MR imaging, AJR 1989; **152:** 469
Lund MB; Myhre KI; Melsom H; et al: effect on pulmonary function of tangential field technique in radiotherapy for carcinoma of the breast, Br J Radiol 1991; **64:** 520
Lundberg PO See **Bergström M**
Lundbom N; Brown RD III; Koenig SH; et al: magnetic field dependence of $1/T_1$ of human brain tumors: correlations with histology, Invest Radiol 1990; **25:** 1197
Lunde S See **Jacobsen A-B**
Lundegårdh G; Hansson L-E; Nyrén O; et al: risk of gastrointestinal and other primary malignant diseases following gastric cancer, Acta Oncol 1991; **30:** 1
Lundell CJ See **Rotter AJ**
Lundell CJ See **Terasaki KK**
Lundell G See **af Trampe E**
Lundell G See **Hall P**
Lundell M See **Fürst CJ**
Lundell M See **Lundin B**
Lundell M See **Ryberg M**
Lundell M; Fürst CJ; Hedlund B; et al: radium treatment for hemangioma in early childhood: reconstruction and dosimetry of treatments, 1920–1959, Acta Oncol 1990; **29:** 551
Lunderquist A See **Cwikiel W**
Lunderquist A See **Irving JD**

Lunderquist A See **Ivancev K**
Lunderquist A See **Nobin A**
Lunderquist A See **Riesenfeld V**
Lunderquist A: radiologic diagnosis of neuroendocrine tumors, Acta Oncol 1989; **28:** 371
Lundgren C; Bourdillon PDV; Dillon JC; et al: comparison of contrast angiography and two-dimensional echocardiography for the evaluation of left ventricular regional wall motion abnormalities after acute myocardial infarction, (ab), Radiology 1991; **178:** 294
Lundgren S; Kvinnsland S; Utaaker E: oral high-dose progestins as treatment for advanced breast cancer, Acta Oncol 1989; **28:** 811
Lundgren-Eriksson L See **Hultborn R**
Lundin A See **Thorvinger B**
Lundin B; Björkholm E; Lundell M; et al: insufficiency fractures of the sacrum after radiotherapy for gynaecological malignancy, Acta Oncol 1990; **29:** 211
Lundin L: carcinoid heart disease: a cardiologist's viewpoint, Acta Oncol 1991; **30:** 499
Lundin P; Bergström K; Thuomas KÅ; et al: comparison of MR imaging and CT in pituitary macroadenomas, Acta Radiol 1991; **32:** 189
Lundqvist H See **Lilja A**
Lundqvist M; Öberg K: in vitro culture of neuroendocrine tumors of the pancreas and gut, Acta Oncol 1989; **28:** 335
Lundstedt C; Andrén-Sandberg Å: CT of liver steatosis after subtotal pancreatectomy, Acta Radiol 1991; **32:** 30
Lundstedt C; Ekberg H; Hederström E; et al: accuracy of computed tomography of the liver in colo-rectal carcinoma, Clin Radiol 1990; **42:** 335
Lung Cancer Society Group See **Thomas P**
Lüning M; Schröder K; Wolff H; et al: percutaneous biopsy of the liver, Cardiovasc Intervent Radiol 1991; **14:** 40
Lunsford LD See **Flickinger JC**
Lunsford LD See **Maitz AH**
Lunsford LD See **Sadler LR**
Lunt LG; Peakman DJ; Young JR: mammographically guided ultrasound: a new technique for assessment of impalpable breast lesions, Clin Radiol 1991; **44:** 85
Luoma AA See **Bilbey JH**
Lupetin AR See **Dash N**
Lupetin AR See **Soo MSC**
Lupetin AR: diffuse cavernous hemangioma of the rectum: evaluation and MRI, Gastrointest Radiol 1990; **15:** 343
Lupetin AR; Beckman I; Daffner RH: CT diagnosis of traumatic abdominal aortic rupture, JCAT 1990; **14:** 313
Lupetin AR; Daffner RH: rheumatoid iliopsoas bursitis: MR findings, JCAT 1990; **14:** 1035
Lupetin AR; Mainwaring BL; Daffner RH: CT diagnosis of renal artery injury caused by blunt abdominal trauma, AJR 1989; **153:** 1065
Lupi L See **Bighi S**
Lupi L; Corcione S; Cervi PM; et al: diagnostic potential of double contrast arthrography of the knee with the digital technique, Skeletal Radiol 1991; **20:** 5
Lupo L See **Angelelli G**
Lupo VR: biophysical profile, Semin US CT MR 1989; **10:** 405
Lupton B See **Flodmark O**
Lupton BA; Hill A; Roland EH; et al: brain swelling in the asphyxiated term newborn: pathogenesis and outcome, (ab), Radiology 1989; **170:** 903
Lurie A See **vanSonnenberg E**
Lurie AL See **Bookstein JJ**
Lurie AL See **Fellmeth BD**
Lurie K See **Deveney CW**
Lusinchi A; Bourhis J; Wibault P; et al: radiation therapy for head and neck cancers in the elderly, Int J Radiat Oncol Biol Phys 1990; **18:** 819
Lusinchi A; Eskandari J; Son Y; et al: external irradiation plus curietherapy boost in 108 base of tongue carcinomas, Int J Radiat Oncol Biol Phys 1989; **17:** 1191
Lusinchi A; Wibault P; Marandas P; et al: exclusive radiation therapy: the treatment of early tonsillar tumors, Int J Radiat Oncol Biol Phys 1989; **17:** 273
Lusins JO; Danielski EF; Goldsmith SJ: bone SPECT in patients with persistent back pain after lumbar spine surgery, J Nucl Med 1989; **30:** 490
Lusk R See **McAlister WH**
Lustig I See **Marks F**
Lustig R; Lowe N; Prosnitz L; et al: Fluosol® and oxygen breathing as an adjuvant to radiation therapy in the treatment of locally advanced non-small cell carcinoma of the lung: results of a phase I/II study, Int J Radiat Oncol Biol Phys 1990; **19:** 97
Lustig R; McIntosh-Lowe N; Rose C; et al: phase I/II study of Fluosol®-DA and 100% oxygen as an adjuvant to radiation in the treatment of advanced squamous cell tumors of the head and neck, Int J Radiat Oncol Biol Phys 1989; **16:** 1587
Lustig RA See **Waldow SM**
Lustig RA See **Wallner PE**
Lustig RA; Krall JM; Curran WJ; et al: improvements observed in care and outcome in carcinoma of the larynx, Int J Radiat Oncol Biol Phys 1991; **20:** 101
Luth WJ See **van den Brekel MWM**
Luthra UK See **Kashyap V**
Luthringer DJ See **Scoutt LM**
Luthy D See **Nyberg DA**
Luthy DA See **Mahony BS**
Lutman R See **Garbagnati F**
Luton JP See **Leroy-Willig A**
Luts A See **Stewart FA**
Lutz JD; Smith RR; Jones HM: CT myelography of a fragment of a lumbar disk sequestered posterior to the thecal sac, AJNR 1990; **11:** 610
Lutz O See **Jung W-I**
Lutz RJ See **Matsumoto AH**
Lutz RJ See **Miller DL**
Lutz RW; Pun T; Pellegrini C: colour displays and look-up tables: real time modification of digital images, Comput Med Imag Graph 1991; **15:** 73
Lutz W See **Lulu BA**
Lutzker LG; Zuckier LS: testicular scanning and other applications of radionuclide imaging of the genital tract, Semin Nucl Med 1990; **20:** 159
Lux G See **Ell C**
Luxenberg M See **Cass AS**
Luxenberg MG See **Sturm JT**
Luxton G See **Astrahan MA**
Luxton G See **Lucas GL**
Luxton G; Astrahan MA; Findley DO; et al: measurement of dose rate from exposure-calibrated ^{125}I seeds, Int J Radiat Oncol Biol Phys 1990; **18:** 1199
Luypaert RR See **Stadnik TW**
Luyten PR See **Segebarth CM**
Luyten PR See **van Rijen PC**
Luyten PR; Groen JP; Vermeulen JWAH; et al: experimental approaches to image localized human ^{31}P NMR spectroscopy, Magn Res Med 1989; **11:** 1
Luyten PR; Marien AJH; Heindel W; van Gerwen PHJ; Herholz K; den Hollander JA; Friedmann G; Heiss W-D: metabolic imaging of patients with intracranial tumors: H-1 MR spectroscopic imaging and PET, Radiology 1990; **176:** 791
Luzzago F See **Nicolai P**
Lybak S; Kjellén E; Wennerberg J; et al: metoclopramide enhances the effect of ionizing radiation on xenografted squamous cell carcinoma of the head and neck, Int J Radiat Oncol Biol Phys 1990; **19:** 1419
Lycke G See **Terasaki K**
Lyden PD See **Schwaighofer BW**
Lyle HRP See **Hamad N**
Lyles KW See **Martinez S**
Lylyk P See **Dion JE**
Lylyk P See **Viñuela F**
Lylyk P; Viñuela F; Vinters HV; et al: use of a new mixture for embolization of intracranial vascular malformations: preliminary experimental experience, Neuroradiol 1990; **32:** 304
Lyman J See **Emami B**
Lyman JT See **Phillips MH**
Lyman JT; Phillips MH; Frankel KA; et al: stereotactic frame for neuroradiology and charged particle Bragg peak radiosurgery of intracranial disorders, Int J Radiat Oncol Biol Phys 1989; **16:** 1615
Lyman JT; Wolbarst AB: optimization of radiation therapy, IV: a dose-volume histogram reduction algorithm, Int J Radiat Oncol Biol Phys 1989; **17:** 433
Lynch D See **Aberle DR**
Lynch D See **Gamsu G**
Lynch DA; Brasch RC; Hardy KA; Webb WR: pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Radiology 1990; **176:** 243
Lynch DA; Gamsu G; Aberle DR: conventional and high resolution computed tomography in the diagnosis of asbestos-related diseases, Radiographics 1989; **9:** 523
Lynch DA; Higgins CB: MR imaging of unilateral pulmonary artery anomalies, JCAT 1990; **14:** 187
Lynch DA; Webb WR; Gamsu G; et al: computed tomography in pulmonary sarcoidosis, JCAT 1989; **13:** 405
Lynch HT; Ens JA; Lynch JF: Lynch syndrome II and urological malignancies, (ab), Radiology 1990; **177:** 292
Lynch HT; Kriegler M; Christiansen TA; et al: laryngeal carcinoma in a Lynch syndrome II kindred, (ab), Radiology 1989; **171:** 887
Lynch JA See **Buckland-Wright JC**
Lynch JF See **Lynch HT**
Lynch JK See **Dillon EH**
Lynch K See **Kornick J**
Lynch KL See **Yu S**
Lynch PJ See **Jaffe CC**
Lynch TCP; Crues JV III; Morgan FW; Sheehan WE; Harter LP; Ryu R: bone abnormalities of the knee: prevalence and significance at MR imaging, Radiology 1989; **171:** 761
Lynch TG See **Haire WD**
Lynch-Nyhan A See **Widlus DM**
Lynch-Nyhán A See **Yeo CJ**
Lyng H; Monge OR; Bøhler PJ; et al: temperature distribution in locally advanced breast carcinoma during hyperthermic treatment: relationship to perfusion, vascular density, and histology, Int J Radiat Oncol Biol Phys 1991; **21:** 423
Lynge E See **Mellemgaard A**
Lyon RC; Pekar J; Moonen CTW; et al: double-quantum surface-coil NMR studies of sodium and potassium in the rat brain, Magn Res Med 1991; **18:** 80
Lyon SG See **Lasser EC**
Lyons BE See **Ryan TP**
Lyons EA See **Barzilai M**
Lyons EA See **Dyke C**
Lyons EA See **Levi CS**
Lyons JC See **Kim GE**
Lyons K See **Hayward MWJ**
Lyons TJ See **Sampson MA**
Lyttkens K; Forsberg L; Hederström E: ultrasound examination of lymph nodes in the hepatoduodenal ligament, Br J Radiol 1990; **63:** 26

M

Ma KH; Fagan PA: osteoradionecrosis of the temporal bone: a surgical technique of treatment, (ab), Radiology 1989; **170:** 589
Maas M See **Gubler FM**
Maasilta P See **Rubin P**
Maasilta P: deterioration in lung function following hemithorax irradiation for pleural mesothelioma, Int J Radiat Oncol Biol Phys 1991; **20:** 433
Maasilta P; Salonen E-M; Vaheri A; et al: procollagen-III in serum, plasminogen activation and fibronectin in bronchoalveolar lavage fluid during and following irradiation of human lung, Int J Radiat Oncol Biol Phys 1991; **20:** 973
Maasilta P; Tammilehto L; Mattson K; et al: bronchial carcinoid with a twenty-four-year natural history: a case report, Acta Oncol 1989; **28:** 715
Maat B See **Schaake-Koning C**
Määttänen H See **Komu M**
Mabry MR See **Sunshine JH**
McAdams HP; Geyer CA; Done SL; et al: CT and MR imaging of Canavan disease, AJNR 1990; **11:** 397
McAdams HP; Schaefer PS; Ghaed VN: leukemic infiltrates of the heart: CT findings, JCAT 1989; **13:** 525
McAfee JG See **Kopecky RT**
McAfee JG See **Rosebrough SF**
McAfee JG: update on radiopharmaceuticals for medical imaging, Radiology 1989; **171:** 593
McAfee JG; Kopecky RT; Frymoyer PA: nuclear medicine comes of age: its present and future roles in diagnosis, Radiology 1990; **174:** 609
McAfee JG; Subramanian G; Thomas FD; et al: comparison of different radioactive renal agents in cisplatin-induced tubular toxicity in rats, J Nucl Med 1989; **30:** 659
McAlister JA See **Anderson RB**
McAlister VI See **McAlister WH**
McAlister W See **Wood BP**
McAlister WH See **Herman TE**
McAlister WH See **Kirks DR**
McAlister WH See **Pilgram TK**
McAlister WH See **Quillin SP**
McAlister WH See **Vannier MW**
McAlister WH: death associated with bronchography: question role of heating the contrast agent, Pediatr Radiol 1989; **19:** 458
McAlister WH; Herman T; Dehner LP: sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman disease), Pediatr Radiol 1990; **20:** 425
McAlister WH; Kissane JM: comparison of soft tissue effects of conventional ionic, low osmolar ionic and nonionic iodine containing contrast material in experimental animals, Pediatr Radiol 1990; **20:** 170
McAlister WH; Lusk R; Muntz HR: comparison of plain radiographs and coronal CT scans in infants and children with recurrent sinusitis, AJR 1989; **153:** 1259
McAlister WH; McAlister VI; Kissane JM: effect of Gd-dimeglumine on subcutaneous tissues: a study with rats, AJNR 1990; **11:** 325
McAllister JP II See **Wolfson BJ**
McAndrew MP See **Stephenson CA**
McAninch JW See **Hricak H**
McAninch JW See **Marshall GA**

McAninch JW See **Mee SL**
Macapinlac HA See **Hoener B-a**
McArdle CB See **Hayman LA**
McArdle CB See **Keeney SE**
Macarini L See **Angelelli G**
Macarrón J See **Pulpeiro JR**
McArthur JC See **Balakrishnan J**
McAteer EJ; Hallam LA; Hendry GMA: ultrasonic appearances of the early changes in fibrodysplasia ossificans progressiva, Br J Radiol 1990; **63:** 809
Macaulay S See **vanSonnenberg E**
Macaulay SE; vanSonnenberg E; Casola G; et al: misdiagnosis or missed diagnosis? thoracic actinomycosis and carcinoma on sequential CT-guided lung biopsies, AJR 1990; **155:** 1183
McAuliffe T See **Bednar MM**
McBride H; Stea B; Hill A; et al: possible relationship between chromosome alterations and *in vitro* cellular radiosensitivity of human malignant melanoma, Int J Radiat Oncol Biol Phys 1990; **19:** 349
McBride K See **Campbell DM**
McBride WH; Mason KA; Davis C; et al: adhesion formation in experimental chronic radiation enteropathy, Int J Radiat Oncol Biol Phys 1989; **16:** 737
McCabe M See **de Lacey G**
McCabe RE See **Catterall JJ**
McCall IW See **Thomas EA**
McCall IW See **Wakeley CJ**
McCall MJ See **Deshpande SV**
McCallum RW See **Asch MR**
McCann KM See **Mewissen MW**
McCann KM See **Zeiss J**
McCann RL See **Dunnick NR**
McCann RL; Bollinger R; Newman GE: surgical renal artery reconstruction after percutaneous transluminal angioplasty, (ab), Radiology 1989; **171:** 885
McCarroll KA See **Roszler MH**
McCarroll KA; Roszler MH: lung disorders due to drug abuse, J Thorac Imag 1991; **6-1:** 30
McCarten KM See **Braverman RM**
McCarten KM See **O'Connor JF**
McCarthy KA See **Kopans DB**
McCarthy KA See **Robertson CL**
McCarthy KA See **Schaefer CM**
McCarthy KA See **Shin JH**
McCarthy KE See **Cuocolo A**
McCarthy KE See **Heyman S**
McCarthy KM See **Kier R**
McCarthy MC; Pavlina PM; Evans DK; et al: value of SPECT-thallium scanning in screening for myocardial contusion, Cardiovasc Intervent Radiol 1991; **14:** 238
McCarthy MJ See **England DM**
McCarthy P See **Jackson JE**
McCarthy P; Adam A; Jackson J; et al: computed tomography demonstration of portal venous gas after hepatic artery embolization, Br J Radiol 1990; **63:** 647
McCarthy P; Cheung L; Hanno P; et al: metallic staples refluxing to the upper urinary tract: a source of renal calculi in patients with ileal conduit urinary diversion, Br J Radiol 1991; **64:** 467
McCarthy P; Kennedy A; Dawson P; et al: pulmonary embolus as a complication of therapeutic peripheral arteriovenous malformation embolization, Br J Radiol 1991; **64:** 177
McCarthy S See **Kornick J**
McCarthy S See **Rosenfield AT**
McCarthy S See **Zawin M**
McCarthy S: MR imaging of the uterus, Radiology 1989; **171:** 321
McCarthy S; Scott G; Majumdar S; Shapiro B; Thompson S; Lange R; Gore J: uterine junctional zone: MR study of water content and relaxation properties, Radiology 1989; **171:** 241
McCarthy SM See **Ascher SM**
McCarthy SM See **Kier R**
McCarthy SM See **Lange RC**
McCarthy SM See **Scoutt LM**
McCarthy SM See **Smith RC**
McCarthy SM: CT-van Gogh correlations, Radiology 1991; **178:** 286
McCarthy WJ; Vogelzang RL; Nemcek AA Jr; et al: excimer laser-assisted femoral angioplasty: early results, (ab), JVIR 1991; **2:** 414
McCarthy WJ III See **Bartlett ST**
McCarty M See **Barber CJ**
McCarty M See **Tran TL**
McCarty M; Choudhri AH; Helbert M; et al: radiological features of AIDS related cholangitis, Clin Radiol 1989; **40:** 582
MacCarty RL; Talley NJ: barium studies in diffuse eosinophilic gastroenteritis, Gastrointest Radiol 1990; **15:** 183
McCaslin FC See **Eisenberg JM**
McCaul GF See **Kumar PP**
McCauley DI See **Bhalla M**
McCauley DI See **Naidich DP**
McCauley RGK See **Hesla RB**
McCauley RGK; Beckwith JB; Elias ER; et al: benign hemorrhagic adrenocortical macrocysts in Beckwith-Wiedemann syndrome, AJR 1991; **157:** 549
McCauley TR See **Scoutt LM**
McCauslin MA See **Hopper KD**
McChesney SL See **Gillette EL**
McChesney SL See **Powers BE**
McChesney SL; Gillette EL; Powers BE: response of the canine lung to fractionated irradiation: pathologic changes and isoeffect curves, Int J Radiat Oncol Biol Phys 1989; **16:** 125
Maccini DM; Miller RM: yield of barium enema in patients undergoing inguinal hernia repair or abdominal hysterectomy, (ab), Radiology 1991; **181:** 908
Maccioni F See **Rossi P**
McClarty B See **Kucharczyk W**
McClelland RA See **Noss MB**
McClennan B See **Bettmann MA**
McClennan BL See **Andriole GL**
McClennan BL See **Burge HJ**
McClennan BL See **Darcy MD**
McClennan BL See **Dunnick NR**
McClennan BL See **Gold RP**
McClennan BL See **Horstman WG**
McClennan BL See **Singer J**
McClennan BL See **Tartar VM**
McClennan BL: ionic and nonionic iodinated contrast media: evolution and strategies for use, AJR 1990; **155:** 225
McClennan BL: ionic versus nonionic contrast media: safety, tolerance, and rationale for use, Urol Radiol 1989; **11:** 200
McClennan BL; Stolberg HO: intravascular contrast media: ionic versus nonionic: current status, Radiol Clin North Am 1991; **29:** 437
McCloskey J See **Bisset GS III**
McCluney KW See **Geremia GK**
McClure BG See **Halliday HL**
McClure RD See **Chew WM**
McClure RD See **Demas BE**
McColl RW See **Faber TL**
McCollough WM; Marcus RB Jr; Rhoton AL Jr; et al: long-term follow-up of radiotherapy for pituitary adenoma: the absence of late recurrence after ≥ 4500 cGy, Int J Radiat Oncol Biol Phys 1991; **21:** 607
McConachie NS; Twining P; Lamb MP: case report: antenatal diagnosis of congenital glioblastoma, Clin Radiol 1991; **44:** 121
McConachie NS; Wilson FMA; Preston BJ; et al: impact of the M1 air crash on the radiological services at the Queen's Medical Centre, Nottingham, Clin Radiol 1990; **42:** 317
McConahay DR See **O'Keefe JH**
McConnell J See **Pedersen H**
McConnell JR See **Seibert JJ**
McConnochie K See **Adams H**
McCord FB See **Halliday HL**
McCord GS; Clouse RE: pill-induced esophageal strictures: clinical features and risk factors for development, (ab), Radiology 1990; **177:** 594
MacCormac ER: images: cultural, perceptual, and computational, Invest Radiol 1989; **24:** 331
McCormack M; Nias AHW; Smith E: chronic anaemia, hyperbaric oxygen and tumour radiosensitivity, Br J Radiol 1990; **63:** 752
McCormack PM See **Heelan RT**
McCormick B See **Beitler JJ**
McCormick B See **DeBlasio D**
McCormick B See **Dershaw DD**
McCormick B See **Fass D**
McCormick B See **Gray JR**
McCormick B See **Hunt MA**
McCormick B See **Werner RS**
McCormick B; Rosen PP; Kinne D; et al: duct carcinoma *in situ* of the breast: an analysis of local control after conservation surgery and radiotherapy, Int J Radiat Oncol Biol Phys 1991; **21:** 289
McCormick B; Yahalom J; Cox L; et al: patient's perception of her breast following radiation and limited surgery, Int J Radiat Oncol Biol Phys 1989; **17:** 1299
McCormick CC See **Taylor JR**
McCormick CC; Taylor JR; Twomey LT: facet joint arthrography in lumbar spondylolysis: anatomic basis for spread of contrast medium, Radiology 1989; **171:** 193
McCormick MJ See **Smith DC**
McCormick PC; Bello JA; Post KD: trigeminal schwannoma: surgical series of 14 cases with review of the literature, (ab), Radiology 1989; **172:** 588
McCowan TC See **Miller SF**
McCowan TC See **Murphy TP**
McCowan TC See **Seibert JJ**
McCowan TC; Eidt JF; Ferris EJ: interventions in pulmonary embolism, J Thorac Imag 1989; **4-4:** 67
McCowan TC; Ferris EJ; Carver DK; et al: Amplatz vena caval filter: clinical experience in 30 patients, AJR 1990; **155:** 177
McCowan TC; Ferris EJ; Carver DK: inferior vena caval filter thrombi: evaluation with intravascular US, Radiology 1990; **177:** 783
McCowan TC; Ferris EJ; Carver DK; Harshfield DL: use of external jugular vein as a route for percutaneous inferior vena caval filter placement, Radiology 1990; **176:** 527
McCowin PR See **Boden SD**
McCoy CL See **Evelhoch JL**
McCoy LE See **Kline RA**
McCracken GH Jr See **Lebel MH**
McCredie J See **Osborne J**
McCreery BR; Frankl G; Frost DB: analysis of the results of mammographically guided biopsies of the breast, (ab), Radiology 1991; **180:** 885
McCrindle BW See **Bouton S**
McCrohan JL See **Conway BJ**
McCrohan JL See **Rueter FG**
McCroskery JH See **Lantinga LJ**
McCubbin M; Frey EE; Wagener JS; et al: large airway collapse in bronchopulmonary dysplasia, (ab), Radiology 1990; **176:** 592
McCullough DL See **Zagoria RJ**
McCullough EC: selection of techniques for orthovoltage radiation therapy, Int J Radiat Oncol Biol Phys 1990; **18:** 1237
McCullough LB See **Chervenak FA**
McCullough M; Davies P; Richardson R: large trial of intravenous Conray 325 and Niopam 300 to assess immediate and delayed reactions, Br J Radiol 1989; **62:** 260
McCunniff AJ; Liang MJ: radiation tolerance of the cervical spinal cord, Int J Radiat Oncol Biol Phys 1989; **16:** 675
McCuskey P See **Ivancev K**
McCuskey R See **Ivancev K**
McCuskey WH See **Tupler RH**
McCutcheon MJ See **Lakshminarayanan AV**
McDaniel JD See **Shultz PK**
McDaniel MD See **Dacey LJ**
McDermott JC See **Carlson P**
McDermott JC See **Crummy AB**
McDermott MW See **De Marco JK**
McDermott MW See **Tien RD**
McDevitt ER See **Reinig JW**
McDevitt GR Jr; Brantley MJ; Cawthon MA: rhinocerebral mucormycosis: a case report with magnetic resonance imaging findings, Clin Imag 1989; **13:** 317
McDiarmid SV See **Hall TR**
McDicken WN See **Hoskins PR**
McDicken WN See **Loupas T**
McDivitt RW See **Baker KS**
McDonald DJ See **Bilotta W**
McDonald DJ See **Kaufmann GA**
McDonald DJ See **Sundaram M**
Macdonald DR See **Barsky MF**
MacDonald JS See **Joyce JM**
MacDonald LM See **Creagh MF**
MacDonald LM See **Havard AC**
MacDonald LM See **Tung KT**
McDonald PT See **Collins PS**
McDonald RJ; Wu S-y; Jensen JL; et al: malignant transformation of a Hürthle cell tumor: case report and survey of the literature, J Nucl Med 1991; **32:** 1266
McDonald RW See **Rice MJ**
McDonald S See **Rubin P**
McDonald S; Hale C; Rubin P; et al: second malignant tumors in patients with laryngeal carcinoma: diagnosis, treatment, and prevention, Int J Radiat Oncol Biol Phys 1989; **17:** 457
McDonald V See **Budorick NE**
McDonald V See **Marsan RE**
McDonald V See **Olson MC**
McDonald V See **Predey TA**
McDonald WI See **Barnes D**
MacDonald-Jankowski DS; Lawinski CP: reduction in radiation dose for intra-oral radiographs by the use of thin K-edge filters, Br J Radiol 1991; **64:** 524
McDonnell CH III; McLeod M; Baker ME: primary peritoneal neuroblastoma: computed tomography findings, Clin Imag 1990; **14:** 41
MacDougall DJ See **Pan G**
McDougall IR See **Klonecke AS**
McDougall IR See **Petersen IA**
McDougall IR See **Petersen M**
McDougall IR See **Terris MK**
McDougall IR; Krasne D; Hanbery JW; et al: metastatic malignant struma ovarii presenting as paraparesis from a spinal metastasis, J Nucl Med 1989; **30:** 407
McDougall IR; Rieser RP: scintigraphic techniques in musculoskeletal trauma, Radiol Clin North Am 1989; **27:** 1003
McDougall JA See **Chou CK**
MacDougall JD See **Ormerod S**
MacDougall ML See **Grant ME**
MacDougall P See **Tilcock CP**
MacDougall P See **Unger EC**
McDowell HA See **Lawdahl RB**
McDowell HA See **Routh WD**
McEachron DL See **Eilbert JL**
McEachron DL; Hess S; Knecht LB; et al: image processing for the rest of us: the potential utility of inexpensive computerized image analysis in clinical pathology and radiology, Comput Med Imag Graph 1989; **13:** 3
McElvaney G See **Fleisher AG**
McElvaney NG; Wilcox PG; Churg A; et al: pleuropulmonary disease during bromocriptine treatment of Parkinson's disease, (ab), Radiology 1989; **171:** 881

McElwee NE See **Caravati EM**
McEwan AJ See **Robinson RG**
McEwan AJB; Jackson FI; Catz Z; et al: Tc-99m HMPAO to demonstrate diffuse cortical necrosis in vivo, Clin Nucl Med 1991; **16:** 167
MacEwan DW: anticipating and assessing health care technology. vol 7, computer assisted medical imaging: the case of picture archiving and communications systems (PACS), Radiology 1989; **173:** 360
Macey D See **Meyers FJ**
Macey DJ See **DeNardo GL**
MacFall JR See **Le Bihan D**
MacFall JR See **Majumdar S**
MacFall JR See **Maki JH**
MacFall JR; Maki JH; Johnson GA; et al: diffusion/microcirculation MRI in the rat brain, Magn Res Med 1991; **19:** 305
MacFall JR; Maki JH; Johnson GA; et al: pre- and postmortem diffusion coefficients in rat neural and muscle tissues, Magn Res Med 1991; **20:** 89
McFarland DR See **Kransdorf MJ**
MacFarlane DG See **Buckland-Wright JC**
McFarlane DV See **Baines CJ**
MacFie J See **Jaeger HJ**
McGahan JP See **Gerscovich EO**
McGahan JP See **Gorczyca DP**
McGahan JP See **Hartling RP**
McGahan JP See **Knutzon RK**
McGahan JP See **Raduns K**
McGahan JP: sonography of the fetal heart: findings on the four-chamber view, AJR 1991; **156:** 547
McGahan JP; Browning PD; Brock JM; et al: hepatic ablation using radiofrequency electrocautery, Invest Radiol 1990; **25:** 267
McGahan JP; Lindfors KK: percutaneous cholecystostomy: an alternative to surgical cholecystostomy for acute cholecystitis?, Radiology 1989; **173:** 481
McGahan JP; Nyberg DA; Mack LA: sonography of facial features of alobar and semilobar holoprosencephaly, AJR 1990; **154:** 143
McGahan RA; Durrance FY; Parke RB Jr; et al: treatment of advanced juvenile nasopharyngeal angiofibroma, Int J Radiat Oncol Biol Phys 1989; **17:** 1067
McGann GM; Platts A: computed tomography of cranial metastatic malignant melanoma: features, early detection and unusual cases, Br J Radiol 1991; **64:** 310
McGarrigle HHG See **Scott EM**
McGarty TP: multimedia communications technology in diagnostic imaging, Invest Radiol 1991; **26:** 377
McGeady SJ See **Gross GW**
McGee WT See **Mallory DL**
McGeer EG See **Mildenberger M**
McGehee JA See **Dachman AH**
McGhee RA Jr See **Beltran J**
McGhee RB See **Beltran J**
McGhee RB See **Bontozoglou NP**
McGhee RB Jr; Bennett WF; Morris CS; et al: cost-effective development of a computer-assisted instruction system, AJR 1989; **153:** 877
McGhee RB Jr; Mathews V; Carter BC: diabetic female with altered neurological status, Invest Radiol 1990; **25:** 82
McGhie I See **Kahn JK**
McGill DB; Rakela J; Zinsmeister AR; et al: 21-year experience with major hemorrhage after percutaneous liver biopsy, (ab), JVIR 1991; **2:** 298
McGill DB; Rakela J; Zinsmeister AR; et al: 21-year experience with major hemorrhage after percutaneous liver biopsy, (ab), Radiology 1991; **179:** 883
McGill DD See **Ahlquist DA**
MacGillivray DC See **Valentine RJ**
McGinnis J See **Ginsberg JS**
McGivney GP See **Hyde JS**
McGivney WT: hurdles to technology diffusion: what are expectations for PET?, J Nucl Med 1991; **32:** 660
McGivney WT; Hendee WR: regulation, coverage, and reimbursement of medical technologies, Int J Radiat Oncol Biol Phys 1990; **18:** 697
McGlade CT See **Gomes AS**
McGlade CT See **Lois JF**
McGlade CT; Bassett LW; Mirra J; et al: case report 549, Skeletal Radiol 1989; **18:** 322
McGlave PB See **Kim TH**
McGlynn ET See **Rifkin MD**
McGoogan E See **Dent DM**
McGoron A See **He P**
McGough MF See **Bree RL**
McGould M See **Turner DA**
McGovern EM; Trastek VF; Pairolero PC; et al: completion pneumonectomy: indications, complications, and results, (ab), Radiology 1989; **171:** 291
McGovern M See **D'Agostino HRV**
McGovern R; Barkin JS: enteroscopy and enteroclysis: an improved method for combined procedure, Gastrointest Radiol 1990; **15:** 327
McGrath FP; Gibney RG; Rowley VA; et al: case report: cutaneous seeding following fine needle biopsy of colonic liver metastases, Clin Radiol 1991; **43:** 130
McGrath FP; Lee SH; Gibney RG; et al: hepatic subcapsular hematoma: an unusual complication of biliary lithotripsy, AJR 1990; **154:** 1015
McGrath PC; McNeill PM; Neifeld JP; et al: management of biliary obstruction in patients with unresectable carcinoma of the pancreas, (ab), Radiology 1989; **173:** 289
McGraw D See **Hicks M**
McGregor DH; Dixon AY; McGregor DK: adenocarcinoma of the lung: a comparative diagnostic study using light and electron microscopy, (ab), Radiology 1989; **170:** 289
McGregor DK See **McGregor DH**
MacGregor JH See **Kumar A**
McGregor M See **Caro JJ**
McGregor R See **Hurst RW**
McGuinness FE See **Coode PE**
McGuinness G See **Naidich DP**
McGuinness G; Durham JD; Rutherford RB; Thickman D; Kumpe DA: popliteal artery entrapment: findings at MR imaging, JVIR 1991; **2:** 241
McGuire AH See **Dehdashti F**
McGuire AH; Dehdashti F; Siegel BA; et al: positron tomographic assessment of 16α-[^{18}F] fluoro-17β-estradiol uptake in metastatic breast carcinoma, J Nucl Med 1991; **32:** 1526
McGuire CW See **Honda H**
McGuire EL See **Cavin LW**
Machac J; Vallabhajosula S; Goldman ME; et al: value of blood-pool subtraction in cardiac indium-111-labeled platelet imaging, J Nucl Med 1989; **30:** 1445
Machado T See **Bookstein JJ**
Machan L See **Cope C**
Machan L; Jäger HR; Adam A; et al: benign prostatic hypertrophy: treatment with a metallic stent, AJR 1989; **153:** 779
Machek JS See **Wholey MH**
Machi J See **Sawchuk AP**
Machi J; Sigel B: overview of benefits of operative ultrasonography during a ten year period, J Ultrasound Med 1989; **8:** 647
Machi J; Sigel B; Kurohiji T; et al: operative ultrasound guidance for various surgical procedures, Ultrasound Med Biol 1990; **16:** 37
Machi J; Sigel B; Kurohiji T; et al: transdiaphragmatic liver scanning: a new intraoperative imaging technique for examination of the liver from the thoracic cavity, JCU 1990; **18:** 31
Machida K See **Honda N**
Machida T See **Aoki S**
Machida T See **Makita K**
Machida T See **Tanioka H**
Machin L See **Harrison A**
Machin L See **Thompson AJ**
Machleder HI See **Hiatt JR**
McHugh K; Blaquiere RM: CT features of rounded atelectasis, AJR 1989; **153:** 257
McHugh K; Brunton FJ: invisible pulmonary markings due to air in the pulmonary vasculature: a post-mortem study, Br J Radiol 1990; **63:** 646
McHugh K; Daneman A: multiple gastrointestinal atresias: sonography of associated biliary abnormalities, Pediatr Radiol 1991; **21:** 355
McHugh K; Ogilvie BC; Brunton FJ: delayed presentation of traumatic diaphragmatic hernia, Clin Radiol 1991; **43:** 246
McHugh K; Stringer DA; Hebert D; Babiak CA: simple renal cysts in children: diagnosis and follow-up with US, Radiology 1991; **178:** 383
McHugh MI See **Oates CP**
McHugh S See **Shorvon PJ**
McHugh TA See **Lee F Jr**
Maciejewska U See **Zhou J**
Maciejewski B; Withers HR; Taylor JMG; et al: dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx: tumor dose-response and repopulation, Int J Radiat Oncol Biol Phys 1989; **16:** 831
Maciejewski B; Withers HR; Taylor JMG; et al: dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx. part 2. normal tissue responses: acute and late effects, Int J Radiat Oncol Biol Phys 1990; **18:** 101
McIff EB See **Remley KB**
McIlhenny J See **Abbitt PL**
McIlhenny J See **Hurst RW**
Macina G See **Schreiber TL**
McInerney JJ See **Palmer BM**
McInerney JJ; Copenhaver GL; Herr MD; et al: high precision Compton backscatter maps of myocardial wall dynamics: theory and applications, Invest Radiol 1989; **24:** 654
McIntire C See **Davis M**
McIntire JM See **Hann LE**
McIntosh C See **Murchison J**
McIntosh R See **McKenzie A**
McIntosh-Lowe N See **Lustig R**
McIntyre DJO See **Morris PG**
McIntyre KE See **Pond GD**
McIntyre MA See **Howard GCW**
MacIntyre NR See **Bergin CJ**
MacIver D See **Gedroyc WMW**
McIvor J; Evans PF; Perry A; et al: radiological assessment of post laryngectomy speech, Clin Radiol 1990; **41:** 312
McJury M See **Mansfield P**
Mack DL See **Fry ETA**
Mack JM See **Antar MA**
Mack JM See **Negrin JA**
Mack JM; Shapiro HR; Spencer RP: achalasia detected on a radiocolloid gastroesophageal transit study, Clin Nucl Med 1990; **15:** 928
Mack JM; Slavin JD; Spencer RP: two false-negative results using morphine sulfate in hepatobiliary imaging, Clin Nucl Med 1989; **14:** 87
Mack L See **Krieger JN**
Mack LA See **Downey DJ**
Mack LA See **Ekstrom JE**
Mack LA See **Hughes MD**
Mack LA See **Kelly RB**
Mack LA See **Komarniski CA**
Mack LA See **McGahan JP**
Mack LA See **Merritt CRB**
Mack LA See **Nyberg DA**
Mack LA See **Patten RM**
Mack LA See **Schwartz AN**
Mack LA See **Spear R**
MacKay AL See **Mayo JR**
McKay MJ; Bull CA; Houghton CR; et al: persisting cyclicial uterine bleeding in patients treated with radical radiation therapy and hormonal replacement for carcinoma of the cervix, Int J Radiat Oncol Biol Phys 1990; **18:** 921
McKay MJ; Langlands AO: American 'patterns of care' study: a model for the assessment of the quality of patient care in radiation oncology, Australas Radiol 1990; **34:** 306
McKean HE See **Scott GC**
McKechnie S See **Baxter GM**
McKee MS See **Fleischer AC**
MacKeen AD See **Cooper M**
McKeever PE See **Silverstein AM**
Macken MB; Grantmyre EB; Rimoin DL; et al: normal sonographic appearance of a thanatophoric dwarf variant fetus at 13 weeks gestation, AJR 1991; **156:** 149
Macken MB; Grantmyre EB; Vincer MJ: regression of nuchal cystic hygroma in utero, J Ultrasound Med 1989; **8:** 101
McKenna DS See **Varnes ME**
McKenna WG; Weiss MC; Bakanauskas VJ; et al: role of the H-ras oncogene in radiation resistance and metastasis, Int J Radiat Oncol Biol Phys 1990; **18:** 849
McKenzie A; Gill G; McIntosh R; et al: computed tomographic and ultrasound appearances of focal spared areas in fatty infiltration of the liver, Australas Radiol 1991; **35:** 166
McKenzie FN See **Holland SA**
Mackenzie S See **Wilkinson AG**
MacKenzie WG See **Mandell GA**
McKeough P See **Chun M**
Mackey DWJ See **Rossleigh MA**
Mackey JK See **Dresel SHJ**
McKibbin W See **Lanzer P**
Mackie TR See **Gehring MA**
Mackie TR See **Holmes T**
Mackie TR See **Kubaad SS**
McKillop JH See **Park RHR**
Mackillop WJ See **Bates DA**
McKim-Thomas H See **Whitaker SC**
McKinna A See **Powles TJ**
McKinna JA See **Cosgrove DO**
McKinney M See **Stark P**
McKinnon GC; Burger C; Boesiger P: spectral baseline correction using CLEAN, Magn Res Med 1990; **13:** 145
Mackinnon WB See **Lean CL**
McKinsey DS; Gupta MR; Riddler SA; et al: long-term amphotericin B therapy for disseminated histoplasmosis in patients with the acquired immunodeficiency syndrome (AIDS), (ab), Radiology 1990; **175:** 591
McKinstry RC See **Brownell A-L**
Macklem PT See **Gamsu G**
Macklis RM; Beresford B: radiation hormesis, J Nucl Med 1991; **32:** 350
Macklis RM; Kaplan WD; Ferrara JLM; et al: residents essay award: alpha particle radio-immunotherapy: animal models and clinical prospects, Int J Radiat Oncol Biol Phys 1989; **16:** 1377
McKnight LG See **Winter RK**
McKusick MA See **Welch TJ**
McLaren AC: prophylaxis with indomethacin for heterotopic bone. after open reduction of fractures of the acetabulum, (ab), Radiology 1990; **176:** 884

McLaughlin AF See Southee AE
McLaughlin MG; Swayne LC; Caruana V: computed tomographic detection of a swallowed denture, Comput Med Imag Graph 1989; **13:** 161
McLaughlin MG; Swayne LC; Mangiola S: detection of left atrial myxoma with SPECT cardiac imaging, Clin Nucl Med 1989; **14:** 101
McLaughlin MG; Swayne LC; Rubenstein JB; et al: transient acute tubular dysfunction in the newborn: CT findings, Pediatr Radiol 1990; **20:** 363
McLean A See Brooks AP
McLean A See Guest PJ
McLean A See Kamm MA
McLean G See Spies JB
McLean GK See Becker GJ
McLean GK See Burke DR
McLean GK See Palmaz JC
McLean GK; Burke DR: role of endoprostheses in the management of malignant biliary obstruction, Radiology 1989; **170:** 961
McLean GK; Burke DR; Marinelli DL: comment on the clinical appropriateness of an emerging technology, Radiology 1989; **172:** 941
McLean GK; LeVeen RF: shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, Radiology 1989; **172:** 983
McLean GK; LeVeen RF: shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage: reply, Radiology 1990; **173:** 879
McLean GK; Meranze SG: interventional radiologic management of enteric strictures, Radiology 1989; **170:** 1049
McLean GK; Meranze SG; Burke DR: inadvertent tracheobronchial placement of feeding tubes, Radiology 1989; **170:** 278
McLean RG See Smart RC
McLean RG; Smart RC; Gaston-Parry D; et al: colon transit scintigraphy in health and constipation using oral iodine-131-cellulose, J Nucl Med 1990; **31:** 985
McLean WT Jr See Walker FO
McLeary RD See Goldstein A
McLeary RD See Lee F Jr
McLeary RD See Torp-Pedersen ST
McLeary RD See Zainea GG
McLeish WA See Rasuli P
McLellan CA See Doudet DJ
McLellan GL See Murray KK
McLellan GL: new percutaneous access set for interventional procedures, AJR 1991; **156:** 397
McLelland R See Parker MD
McLelland R; Hendrick RE; Zinninger MD; et al: American College of Radiology Mammography Accreditation Program, AJR 1991; **157:** 473
MacLennan I; Selim HM; Rubin P: sequential hemibody radiotherapy in poor prognosis localized adenocarcinoma of the prostate gland: a preliminary study of the RTOG, Int J Radiat Oncol Biol Phys 1989; **16:** 215
McLennan MK See Zalev AH
McLennan MK: case report 657, Skeletal Radiol 1991; **20:** 141
McLennan MK; Saibil EA; Marotta TR; et al: coexisting false aneurysms of the radial artery, J Canad Assoc Radiol 1990; **41:** 300
McLeod M See McDonnell CH III
MacLeod PM See Kelly SA
MacLeod PM; Daniel F: role of radiotherapy in *in-situ* carcinoma of the larynx, Int J Radiat Oncol Biol Phys 1990; **18:** 113
McLeod RA See Binkovitz LA
McLeod RA See Morton MJ
McLeod RA See Sim FH
McLeod RA See Sundaram M
Macler LM See Siemann DW
Maclin ML See Schulte SJ
McLone DG See Byrd SE
McLoud T See Greene R
McLoud TC See Bourgouin PM
McLoud TC See Moore EH
McLoud TC See Sprince NL
McLoud TC See Templeton PA
McLoud TC: CT of bronchogenic carcinoma: indeterminate mediastinal invasion, Radiology 1989; **173:** 15
McLoud TC: occupational lung disease, Radiol Clin North Am 1991; **29:** 931
McLoud TC: pulmonary infections in the immunocompromised host, Radiol Clin North Am 1989; **27:** 1059
McLoud TC; Filion RB; Edelman RR; et al: MR imaging of superior sulcus carcinoma, JCAT 1989; **13:** 233
McLoud TC; Flower CDR: imaging the pleura: sonography, CT, and MR imaging, AJR 1991; **156:** 1145
McLoughlin J See Adam A
McLoughlin MJ See Odurny A
MacMahon H See Asada N
MacMahon H See Fraser RG
MacMahon H See Giger ML
MacMahon H See Heater K
MacMahon H See Katsuragawa S
MacMahon H See Lam KL
MacMahon H See Nakamori N
MacMahon H; Doi K; Chan H-P; et al: computer-aided diagnosis in chest radiology, J Thorac Imag 1990; **5-1:** 67
MacMahon H; Doi K; Sanada S; Montner SM; Giger ML; Metz CE; Nakamori N; Yin F-F; Xu X-W; Yonekawa H; Takeuchi H: data compression: effect on diagnostic accuracy in digital chest radiography, Radiology 1991; **178:** 175
MacMahon H; Sanada S; Doi K; Giger ML; Xu X-W; Yin F-F; Montner SM; Carlin M: direct comparison of conventional and computed radiography with a dual-image recording technique, Radiographics 1991; **11:** 259
MacMahon H; Scott W; Ryan JW; et al: efficacy of computed tomography of the thorax and upper abdomen and whole-body gallium scintigraphy for staging of lung cancer, (ab), Radiology 1990; **175:** 588
McMahon JT See Ragavendra N
MacManus DG See Tofts PS
McMillan JH See Batnitzky S
McMillan JH See Caresio JF
McMillan JH See Cox GG
McMillan JH See Harrison LA
McMillan JH; Huang HKB; Bramble JM; et al: digital radiography, Invest Radiol 1989; **24:** 735
McMillan KTP See Wallington MM
McMillan MA See Hollman AS
McMillan MA See Straiton JA
McMurdo SK See Coughlin WF
McNair P See Skriver EB
McNally NJ; Soranson JA: radiosensitization by misonidazole during recovery of cellular thiols following depletion by BSO or DEM, Int J Radiat Oncol Biol Phys 1989; **16:** 1331
McNamara D See Soucy JP
McNamara J See Drossman SR
McNamara M See Krasnow AZ
McNamara ME See McNamara MP Jr
McNamara MP Jr: percutaneous procedures guided for color-flow Doppler sonography, AJR 1989; **152:** 1123
McNamara MP Jr; McNamara ME: preparation of a homemade ultrasound biopsy phantom, JCU 1989; **17:** 456
McNamara MT See Greco A
McNamara MT See Sze G
McNamara T See Hunter DW
McNamee M See Jonsson PV
McNeal JE See Hodge KK
McNeal JE See Terris MK
McNeal JE See Villers AA
McNeal JE; Redwine EA; Freiha FS; et al: zonal distribution of prostatic adenocarcinoma: correlation with histologic pattern and direction of spread, (ab), Radiology 1989; **172:** 292
McNeal JE; Villers AA; Redwine EA; et al: capsular penetration in prostate cancer: significance for natural history and treatment, (ab), Radiology 1990; **177:** 292
McNeal JE; Villers AA; Redwine EA; et al: histologic differentiation, cancer volume, and pelvic lymph node metastasis in adenocarcinoma of the prostate, (ab), Radiology 1991; **179:** 294
McNeely LK; Leavitt DD; Egger MJ; et al: dose volume histogram analysis of lung radiation from chest wall treatment: comparison of electron arc and tangential photon beam techniques, Int J Radiat Oncol Biol Phys 1991; **21:** 515
McNeese M See Stotter AT
McNeese MD See Fleck R
McNeese MD See Fletcher GH
McNeese MD See Halpern J
McNeese MD See Strom EA
McNeese MD See Thoms WW Jr
McNeil BJ See Aliabadi P
McNeil BJ See Gatsonis C
McNeil BJ See Webb WR
McNeil NI See Jones SN
McNeill C See Helms CA
McNeill G See Williams W
McNeill GC See Witte MH
McNeill GC; Witte MH; Witte CL; Williams WH; Hall JN; Patton DD; Pond GD; Woolfenden JM: whole-body lymphangioscintigraphy: preferred method for initial assessment of the peripheral lymphatic system, Radiology 1989; **172:** 495
McNeill KG See Code RF
McNeill KM See Hunter TB
McNeill PM See McGrath PC
McNicholas MMJ; Griffin JF; Cantwell DF: ultrasound of the pelvis and renal tract combined with a plain film of abdomen in young women with urinary tract infection: can it replace intravenous urography? a prospective study, Br J Radiol 1991; **64:** 221
McNicholas MMJ; Power WJ; Griffin JF: idiopathic inflammatory pseudotumour of the orbit: CT features correlated with clinical outcome, Clin Radiol 1991; **44:** 3
McNiesh LM: reference to dorsal intercalated segment instability in the literature, Radiology 1991; **180:** 879
McNulty A See Schreiber TL
McNulty AM See Kopecky KK
Macones AJ; Lev-Toaff AS; Macones GA; et al: legal aspects of obstetric sonography, AJR 1989; **153:** 1251
Macones AJ Jr; Fisher MS; Locke JL: stress-related rib and vertebral changes, Radiology 1989; **170:** 117
Macones GA See Macones AJ
Macovski A See Bergin CJ
Macovski A See Jackson J
Macovski A See Meyer CH
Macovski A See Spielman D
Macovski A See Wang SJ
Macovski A See Webb P
Macovski A See Wright GA
McParland BJ: effect of a dynamic wedge in the medial tangential field upon the contralateral breast dose, Int J Radiat Oncol Biol Phys 1990; **19:** 1515
McParland BJ: peripheral doses of two linear accelerators employing universal wedges, Br J Radiol 1990; **63:** 295
McParland BJ; Nosil J; Burry B: survey of the radiation exposures received by the staff at two cardiac catheterization laboratories, Br J Radiol 1990; **63:** 885
MacPhail B See Harrison MR
MacPhail S See Skov K
MacPherson BCM; MacPherson P; Jennett B: CT evidence of intracranial contusion and haematoma in relation to the presence, site and type of skull fracture, Clin Radiol 1990; **42:** 321
Macpherson P See Davies ML
MacPherson P See Jennett B
MacPherson P See MacPherson BCM
Macpherson P See Straiton JA
Macpherson P: value of pre-operative embolisation of meningioma estimated subjectively and objectively, Neuroradiol 1991; **33:** 334
Macpherson P; Hadley DM; Teasdale E; et al: pituitary microadenomas: does gadolinium enhance their demonstration?, Neuroradiol 1989; **31:** 293
MacPherson P; Jennett B; Anderson E: CT scanning and surgical treatment of 1551 head injured patients admitted to a regional neurosurgical unit, Clin Radiol 1990; **42:** 85
Macpherson P; Teasdale E: can computed tomography be relied upon to detect skull fractures?, Clin Radiol 1989; **40:** 22
Macpherson RI See Levkoff AH
Macpherson RI; Fyfe D; Aaronson IA: congenital renal arteriovenous malformations in infancy: the imaging features in two infants with hypertension, Pediatr Radiol 1991; **21:** 108
Macpherson RI; Skinner SA; Donnenfeld AE: acampomelic campomelic dysplasia, Pediatr Radiol 1989; **20:** 90
McPherson S; Routh WD; Nath H; Keller FS: anomalous origin of bronchial arteries: potential pitfall of embolotherapy for hemoptysis, JVIR 1990; **1:** 86
McQueenie A See Sissons GRJ
Macrander SJ See Erickson SJ
Macrander SJ; Lawson TL; Foley WD; et al: periportal tracking in hepatic trauma: CT features, JCAT 1989; **13:** 952
Macri MA; De Luca F; Maraviglia B; et al: study of proton spin–lattice relaxation variation induced by paramagnetic antibodies, Magn Res Med 1989; **11:** 283
McShan DL See Quint LE
McShan DL See Weeks KJ
McShan DL; Fraass BA; Lichter AS: full integration of the beam's eye view concept into computerized treatment planning, Int J Radiat Oncol Biol Phys 1990; **18:** 1485
McSherry BA See Hendel RC
McSherry S See Schiebler ML
MacSweeney JE See Adam A
MacSweeney JE; Baxter MA; Joplin GF: heel pad thickness is an insensitive index of biochemical remission in acromegaly, Clin Radiol 1990; **42:** 348
MacSweeney JE; Peters AM; Lavender JP: indium labelled leucocyte scanning in pyrexia of unknown origin, Clin Radiol 1990; **42:** 414
Mac Vandiviere H See Woodring JH
McVay L See Silverman PM
McVeigh E See Cova M
McVeigh ER See Bolster BD Jr
McVeigh ER; Henkelman RM; Bronskill MJ: optimization of survey protocols for MRI, Magn Res Med 1990; **13:** 177
McVeigh ER; Zerhouni EA: noninvasive measurement of transmural gradients in myocardial strain with MR imaging, Radiology 1991; **180:** 677
MacVicar D; Dicks-Mireaux C; Leonard JV; et al: hepatic imaging with computed tomography of chronic tyrosinaemia type 1, Br J Radiol 1990; **63:** 605

MacVicar D; Williams MP: CT scanning in epidural lymphoma, Clin Radiol 1991; **43:** 95
McVie JG; Dalesio OB; van Tinteren H: small cell lung cancer, Acta Oncol 1989; **28:** 729
MacVittie TJ See **Patchen ML**
Madanay LD; Cerqueira MD; Jacobson AF; et al: radionuclide ventriculographic quantitation of left ventricular dimensions: comparison to echocardiography, Clin Nucl Med 1991; **16:** 588
Madayag MA; Kirshenbaum KJ; Nadimpalli SR; Fantus RJ; Cavallino RP; Crystal GJ: thoracic aortic trauma: role of dynamic CT, Radiology 1991; **179:** 853
Maddahi J See **Chouraqui P**
Maddahi J See **Friedman J**
Maddahi J See **Van Train KF**
Maddahi J See **Wackers FJT**
Madden A; Glaholm J; Leach MO: assessment of the sensitivity of *in vivo* ^{31}P nuclear magnetic resonance spectroscopy as a means of detecting pH heterogeneity in tumours: a simulation study, Br J Radiol 1990; **63:** 120
Madden A; Leach MO; Collins DJ; et al: water resonance as an alternative pH reference: relevance to *in vivo* ^{31}P NMR localized spectroscopy studies, Magn Res Med 1991; **19:** 416
Maddern G See **Triller J**
Maddock SW See **Lear JL**
Maddox WA See **Rubin E**
Maddux HR; Varia MA; Spann CO; et al: invasive carcinoma of the uterine cervix in women age 25 or less, Int J Radiat Oncol Biol Phys 1990; **19:** 701
Madero L See **Munoz A**
Madewell JE See **David R**
Madewell JE See **Hopper KD**
Madewell JE See **Kumar R**
Madhoo J; Blekkenhorst G: effects of inhibition of intercellular communication on repair of damage induced by ionizing radiation, Br J Radiol 1989; **62:** 281
Madhuizen HT See **van Rongen E**
Madjar H; Sauerbrei W; Münch S; et al: continuous-wave and pulsed Doppler studies of the breast: clinical results and effect of transducer frequency, Ultrasound Med Biol 1991; **17:** 31
Madkour MM See **Sharif HS**
Madore F See **Lafortune M**
Madrazo BL See **Endress C**
Madrazo BL See **Jafri SZH**
Madrazo BL See **Middleton WD**
Madrazo BL See **St. Ville EW**
Madsen EL See **Pfeiffer P**
Madsen EL See **Yao LX**
Madsen EL See **Zagzebski JA**
Madsen EL; Hultberg BM: metastasizing Sertoli cell tumours of the human testis—a report of two cases and a review of the literature, Acta Oncol 1990; **29:** 946
Madsen JL See **Schifter S**
Madsen JL; Jensen M: gastrointestinal transit of technetium-99m-labeled cellulose fiber and indium-111-labeled plastic particles, J Nucl Med 1989; **30:** 402
Madsen MT; Argenyi E; Preslar J; et al: improved method for the quantification of left-to-right cardiac shunts, J Nucl Med 1991; **32:** 1808
Madsen SL; Bannochie CJ; Martell AE; et al: investigation of physicochemical and in-vivo behavior of diastereomeric iron-59, gallium-68, and indium-111-EHPG trivalent metal complexes, J Nucl Med 1990; **31:** 1662
Madwed D See **Sostman HD**
Maecke HR; Riesen A; Ritter W: molecular structure of indium-DTPA, J Nucl Med 1989; **30:** 1235
Maeda H See **Miyake H**
Maeda H See **Mori H**
Maeda H; Etani H; Handa N; et al: validation study on the reproducibility of transcranial Doppler velocimetry, Ultrasound Med Biol 1990; **16:** 9
Maeda K See **Ishida T**
Maeda K See **Ishii K**
Maeda K: recent progress on standards and bioeffects in Japan, Ultrasound Med Biol 1989; **15:** S99
Maeda K; Takeuchi Y: fetal renal arterial blood velocity waveforms detected with color-flow mapping and pulsed Doppler flowmetry in intrauterine growth retardation, JCU 1990; **18:** 527
Maeda M See **Kichikawa K**
Maeda M; Seo Y; Murakami M; et al: sodium-23 MR imaging of the kidney in guinea pig at 2.1 T, following arterial, venous, and ureteral ligation, Magn Res Med 1990; **16:** 361
Maeda T See **Mori H**
Maeder P; Wirsén A; Bajc M; et al: volumes of chronic traumatic frontal brain lesions measured by MR imaging and CBF tomography, (ab), Acta Radiol 1991; **32:** 271
Maeder PP; Holtás SL; Basibüyük LN; et al: colloid cysts of the third ventricle: correlation of MR and CT findings with histology and chemical analysis, AJNR 1990; **11:** 575
Maeder PP; Holtás SL; Basibüyük LN; et al: colloid cysts of the third ventricle: correlation of MR and CT findings with histology and chemical analysis, AJR 1990; **155:** 135
Maehara T See **Katsumata Y**
Maehara T; Katsumata Y; Noda M; et al: low-density meningioma on CT, AJNR 1990; **11:** 1265
Maeshima S See **Narumi Y**
Mafee M See **Herzog S**
Mafee MF See **Flanders AE**
Mafee MF See **Flowers CH**
Mafee MF; Bárány M; Gotsis ED; et al: potential use of in vivo proton spectroscopy for head and neck lesions, Radiol Clin North Am 1989; **27:** 243
Mafee MF; Lachenauer CS; Kumar A; Arnold PM; Buckingham RA; Valvassori GE: CT and MR imaging of intralabyrinthine schwannoma: report of two cases and review of the literature, Radiology 1990; **174:** 395
Maffessanti M; Bortolotto P; Kette F; et al: radiological detection of malpositions and complications of central venous catheters, Eur J Radiol 1989; **9:** 101
Maffioli L See **Gerundini P**
Magal C; Wright KC; Duprat G Jr; et al: new device for transcatheter closure of the patent ductus arteriosus: a feasibility study in dogs, Invest Radiol 1989; **24:** 272
Magee DG See **Beltran J**
Magerstedt P See **Henze A**
Maghnie M; Triulzi F; Larizza D; et al: hypothalamic-pituitary dwarfism: comparison between MR imaging and CT findings, Pediatr Radiol 1990; **20:** 229
Magid D See **Drebin RA**
Magid D See **Fishman EK**
Magid D See **Gerber JD**
Magid D See **Knowles MC**
Magid D See **Mogavero GT**
Magid D See **Ney DR**
Magid D See **Yousem DM**
Magid D; Bryan BM; Drebin RA; et al: three-dimensional imaging of an Egyptian mummy, Clin Imag 1989; **13:** 239
Magid D; Fishman EK: imaging of musculoskeletal trauma in three dimensions: an integrated two-dimensional/three-dimensional approach with computed tomography, Radiol Clin North Am 1989; **27:** 945
Magid D; Fishman EK; Ney DR: sacral foramina: view at CT, Radiology 1991; **178:** 573
Magid D; Michelson JD; Ney DR; et al: adult ankle fractures: comparison of plain films and interactive two- and three-dimensional CT scans, AJR 1990; **154:** 1017
Magid D; Pyeritz RE; Fishman EK: musculoskeletal manifestations of the Marfan syndrome: radiologic features, AJR 1990; **155:** 99
Magid D; Siegelman SS; Eggleston JC; et al: pulmonary carcinoid tumors: CT assessment, JCAT 1989; **13:** 244
Magid E See **Fishman EK**
Magid N See **Leonidas JC**
Magid N; Glass T: "hole in a rib" as a sign of child abuse, Pediatr Radiol 1990; **20:** 334
Magidson JG See **Rubenstein JB**
Magill HL See **Boulden TF**
Magill HL See **Brooks MT**
Magill HL See **Burton EM**
Magill HL See **Estes DN**
Magill HL See **Hanna SL**
Magill HL See **Kavanagh KT**
Magill HL See **Maneval DC**
Magill HL See **Rockett JF**
Magill HL See **Seidel FG**
Magill HL; Hanna SL; Brooks MT; Jenkins JJ III; Burton EW; Boulden TF; Seidel FG: pediatric case of the day, Radiographics 1990; **10:** 515
Magill L See **Mahmoud H**
Magin RL See **Bačić G**
Magin RL See **Ballinger R**
Magin RL See **Wright SM**
Magin RL; Bacic G; Niesman MR; et al: dextran magnetite as a liver contrast agent, Magn Res Med 1991; **20:** 1
Maginot TJ; Sadove AM; Jones C: comparison of urokinase and tissue plasminogen activator for thrombolysis in rats, Invest Radiol 1991; **26:** 46
Magistrelli P; Masetti R; Coppola R; et al: value of ERCP in the diagnosis and management of pre- and postoperative biliary complications in hydatid disease of the liver, Gastrointest Radiol 1989; **14:** 315
Maglinte DDT See **Bessette JR**
Maglinte DDT See **Carlson HC**
Maglinte DDT See **Chernish SM**
Maglinte DDT See **Rex DK**
Maglinte DDT See **Torres WE**
Maglinte DDT; Graffis R; Jordan L; Chua GT; Johnson AC Jr; Crossin J: extracorporeal shock wave lithotripsy of gallbladder stones: a pessimistic view, Radiology 1991; **178:** 29
Maglinte DDT; Herlinger H; Nolan DJ: radiologic features of closed loop obstruction: analysis of 25 confirmed cases, Radiology 1991; **179:** 383
Maglinte DDT; Torres WE; Laufer I: oral cholecystography in contemporary gallstone imaging: a review, Radiology 1991; **178:** 49
Magnano GM See **Tomà P**
Magnuson TH; Lillemoe KD; Pitt HA: how many Americans will be eligible for biliary lithotripsy?, (ab), Radiology 1990; **175:** 290
Magnusson A See **Ahlström H**
Magnusson A See **Clementz B-G**
Magnusson A; Åkerfeldt D: CT-guided core biopsy using a new guidance device, Acta Radiol 1991; **32:** 83
Magnusson A; Andersson T; Larsson B; et al: contrast enhancement of pathologic lymph nodes demonstrated by computed tomography, Acta Radiol 1989; **30:** 307
Magnusson M; Lenz R; Danielsson P-E: evaluation of methods for shaded surface display of CT volumes, Comput Med Imag Graph 1991; **15:** 247
Magoun S See **Shih W-J**
Magrini SM See **Biti GP**
Maguire C; Florence S; Powe JE; et al: hepatic uptake of technetium-99m HM-PAO in a fetus, J Nucl Med 1990; **31:** 237
Maguire FP: diagnostic ultrasound test and syllabus. 23rd ed, Radiology 1989; **173:** 318
Maguire GQ See **Kramer EL**
Maguire GQ Jr See **Birnbaum BA**
Maguire RT See **Abdel-Nabi HH**
Mahadevan V; Hart IR: metastasis and angiogenesis, Acta Oncol 1990; **29:** 97
Mahaisavariya B; Suibnugarn C; Mairiang E; et al: ultrasound for closed femoral nailing, JCU 1991; **19:** 393
Mahajan R See **Khuroo MS**
Mahajan R See **Zargar SA**
Mahan EF III See **Palmer-Lawrence JL**
Mahan JD See **Southard RN**
Mahanta B See **Patel B**
Mahanta B See **Vas WG**
Mahapatra AK; Paul HK; Sarkar C: cystic medulloblastoma, Neuroradiol 1989; **31:** 369
Mahapatra JR See **Sood GK**
Maharajh GS See **Gray R**
Mahazan H See **Anand R**
Mahboubi S See **Caro PA**
Mahboubi S See **Karsh S**
Mahboubi S See **Lieu TA**
Mahdi AH See **Kolawole TM**
Mahdi AH; Yohannan MD; Patel PJ; et al: computerized tomography of brain in infantile spasms (West syndrome), Pediatr Radiol 1990; **21:** 9
Mahendron M; Guilt DJ; Finch OPF; et al: autopsy assessment of the Gunther vena caval filter, Br J Radiol 1989; **62:** 174
Maher EJ: influence of national attitudes on the use of radiotherapy in advanced and metastatic cancer, with particular reference to differences between the United Kingdom and the United States of America: implications for future studies, Int J Radiat Oncol Biol Phys 1991; **20:** 1369
Maher JW See **Johlin FC**
Maher JW; Summers RW; Dean TR; et al: early results of combined electrohydraulic shock-wave lithotripsy and oral litholytic therapy of gallbladder stones at the University of Iowa, (ab), JVIR 1991; **2:** 299
Mahl M See **Winkler P**
Mahler C See **Denis L**
Mahmoud AH; Elgazzar AH; Nilsson TEG; et al: silent obstruction after extracorporeal piezoelectric lithotripsy, Clin Nucl Med 1991; **16:** 162
Mahmoud H; Magill L; Pui C-H: salmonellosis mimicking abdominal lymphoma in a young boy, Pediatr Radiol 1990; **20:** 193
Mahmud F See **Poe LB**
Mahon T See **Hayes R**
Mahon T; Malone D; Griffin J; et al: failure of ultrasound to detect extra-pancreatic abscesses in severe acute pancreatitis, Eur J Radiol 1989; **9:** 248
Mahoney MC; Shipley RT; Corcoran HL; et al: CT demonstration of calcification in carcinoma of the lung, AJR 1990; **154:** 255
Mahony BS See **Nyberg DA**
Mahony BS; Nyberg DA; Luthy DA; et al: translabial ultrasound of the third-trimester uterine cervix: correlation with digital examination, J Ultrasound Med 1990; **9:** 717
Mahour GH; Bryan BJ; Isaacs H Jr: lipoblastoma and lipoblastomatosis: a report of six cases, (ab), Radiology 1989; **170:** 904
Maiche AG: combined bleomycin and radiation treatment of penile carcinoma, Acta Oncol 1989; **28:** 548

Maiche AG; Gröhn P; Mäki-Hokkonen H: effect of chamomile cream and almond ointment on acute radiation skin reaction, Acta Oncol 1991; **30:** 395
Maiche AG; Pyrhönen S: risk of cervical cancer among wives of men with carcinoma of the penis, Acta Oncol 1990; **29:** 569
Maidenberg M See Bellin M-F
Maie M See Etoh T
Maier J See Turner R
Maier S See Vieli A
Maier SE; Meier D; Boesiger P; Moser UT; Vieli A: human abdominal aorta: comparative measurements of blood flow with MR imaging and multigated Doppler US, Radiology 1989; **171:** 487
Maile CW; Hanna PD: direct percutaneous drainage of an obstructed afferent loop, AJR 1989; **152:** 521
Maillard J-C; Menu Y; Scherrer A; et al: intraperitoneal splenosis: diagnosis by ultrasound and computed tomography, Gastrointest Radiol 1989; **14:** 179
Maillet B See Goes E
Maillet B See Klöppel G
Maillot C: perispinal spaces: constitution, organization and relations with the cerebrospinal fluid (CSF), J Neuroradiol 1991; **18:** 18
Mainwaring BL See Lupetin AR
Mainwaring R; Kern J; Schenk WG; et al: differentiating pancreatic pseudocyst and pancreatic necrosis using computerized tomography, (ab), Radiology 1990; **174:** 289
Mainwood GW See Lareau S
Mairiang E See Mahaisavariya B
Maistrelli G; Fusco U; Avai A; et al: osteonecrosis of the hip treated by intertrochanteric osteotomy: a four- to 15-year follow-up, (ab), Radiology 1989; **172:** 294
Maitem AN See Libby PA
Maitz A See Flickinger JC
Maitz AH See Wu A
Maitz AH; Lunsford LD; Wu A; et al: shielding requirements on-site loading and acceptance testing of the Leksell gamma knife, Int J Radiat Oncol Biol Phys 1990; **18:** 469
Maizels M See Bahnson RR
Maj S See Sośnierz A
Majd M See Björgvinsson E
Majer MC See Koelbel G
Majoie CBLM; Reeders JWAJ; Sanders JB; et al: primary sclerosing cholangitis: a modified classification of cholangiographic findings, AJR 1991; **157:** 495
Majors A See Xue M
Majors AW See Ng TC
Majors AW; Ng TC; Karalis IM; et al: phosphorus metabolites and the distribution of cell cycle phase of RIF-1 tumors in response to 14 Gy irradiation, Magn Res Med 1990; **16:** 425
Majors AW; Ng TC; Xue M; et al: monitoring therapeutic response of human superficial tumors using phase-encoded spectroscopy, Magn Res Med 1989; **12:** 369
Majumdar S See Gore JC
Majumdar S See McCarthy S
Majumdar S See Zahler R
Majumdar S; Sostman HD; MacFall JR: contrast and accuracy of relaxation time measurements in acquired and synthesized multislice magnetic resonance images, Invest Radiol 1989; **24:** 119
Majumdar S; Zoghbi SS; Gore JC: influence of pulse sequence on the relaxation effects of superparamagnetic iron oxide contrast agents, Magn Res Med 1989; **10:** 289
Majumdar S; Zoghbi SS; Gore JC: pharmacokinetics of superparamagnetic iron-oxide MR contrast agents in the rat, Invest Radiol 1990; **25:** 771
Majumdar S; Zoghbi SS; Pope CF; et al: quantitative study of relaxation rate enhancement produced by iron oxide particles in polyacrylamide gels and tissue, Magn Res Med 1989; **9:** 185
Mak RHK See Buckland-Wright JC
Makar AP; Desmedt EJ; De Potter CR; et al: neu (c-erbB-2) oncogene in breast cancer and its possible association with the risk of distant metastases: a retrospective study and review of literature, Acta Oncol 1990; **29:** 931
Mäkäräinen H See Pälvänsalo M
Mäkelä A See Väätäinen U
Makepeace AR; Fermont DC; Bennett MH: non-Hodgkin's lymphoma of the nasopharynx, paranasal sinus and palate, Clin Radiol 1989; **40:** 144
Makhija M See Cifers RW
Makhija M; Rebarber I; Sharon D: gallium imaging in a case of Hodgkin's disease with involvement of the liver, Clin Nucl Med 1989; **14:** 926
Makhija M; Stein I; Fleisher M: obstructive uropathy and ectopic ureterocele on renal imaging, Clin Nucl Med 1990; **15:** 654
Makhoul J: artificial neural networks, Invest Radiol 1990; **25:** 748
Maki E See Liu F-F
Maki JH See Johnson GA
Maki JH See MacFall JR
Maki JH; Benveniste H; MacFall JR; Johnson GA: maximization of contrast-to-noise ratio to distinguish diffusion and microcirculatory flow, JMRI 1991; **1:** 39
Maki JH; MacFall JR; Johnson GA: use of gradient flow compensation to separate diffusion and microcirculatory flow in MRI, Magn Res Med 1991; **17:** 95
Mäki-Hokkonen H See Maiche AG
Makin GS See Earnshaw JJ
Mäkinen J See Varpula M
Makino M See Sugita K
Makino N See Fukatsu H
Makino N See Oshima M
Makita K See Furui S
Makita K See Irie T
Makita K; Furui S; Irie T; et al: embolization with steel coils using a saline flush technique, Br J Radiol 1991; **64:** 708
Makita K; Furui S; Machida T; Yamauchi T; Tuchiya K; Irie T; Takenaka E: wire-directed detachable balloon: work in progress, Radiology 1991; **180:** 139
Makita Y See Miki Y
Maklad NF See Goodman P
Maklad NF See Tassin GB
Makler PT Jr See Weber DA
Makley JT See Adler LP
Makow LS: magnetic resonance imaging: a brief review of image contrast, Radiol Clin North Am 1989; **27:** 195
Makridis C See Åkerström G
Makrigiorgos GM; Adelstein SJ; Kassis AI: limitations of conventional internal dosimetry at the cellular level, J Nucl Med 1989; **30:** 1856
Makrigiorgos GM; Ito S; Baranowska-Kortylewicz J; et al: inhomogeneous deposition of radiopharmaceuticals at the cellular level: experimental evidence and dosimetric implications, J Nucl Med 1990; **31:** 1358
Makris M See Millard FC
Makuuchi M See Kimura A
Makuuchi M See Kosuge T
Makuuchi M See Okazaki M
Makuuchi M See Takayasu K
Makuuchi M; Le Thai B; Takayasu K; et al: preoperative portal embolization to increase safety of major hepatectomy for hilar bile duct carcinoma: a preliminary report, (ab), JVIR 1990; **1:** 140
Malabarey T See Banna M
Malachowski ME See Hoffman CJ
Malaise EP See Thomas C
Malaise EP; Debieu D; Chavaudra N; et al: effect of the oxic cell sensitizer β-AraA on human fibroblasts in plateau and in exponential growth phases, Int J Radiat Oncol Biol Phys 1989; **16:** 1257
Malamed DH: clinical neuroimaging. Vol 4, Radiology 1989; **170:** 1032
Malamed DH: differential diagnosis in abdominal ultrasound, Radiology 1990; **177:** 506
Malamed DH: fundamentals of nuclear medicine. 2d ed, Radiology 1989; **172:** 104
Malamed DH: handbook of cardiovascular and interventional radiologic procedures, Radiology 1989; **172:** 88
Malamed DH: imaging in clinical practice, Radiology 1989; **173:** 730
Malamed DH: perspectives in radiology. vol. 1, no. 1, Radiology 1989; **172:** 358
Malamed DH: radiology of the esophagus, Radiology 1989; **173:** 630
Malangoni MA; Cué JI; Fallat ME; et al: evaluation of splenic injury by computed tomography and its impact on treatment, (ab), Radiology 1991; **178:** 290
Malatskey A; Fields S; Libson E: CT appearance of primary pleural lymphoma, Comput Med Imag Graph 1989; **13:** 165
Malatskey A; Reuter KL; Woda B: sonographic findings in primary uterine cervical lymphoma, JCU 1991; **19:** 62
Malbec L See Buy J-N
Malbec L See Ghossain MA
Malbrain S See Mortelmans L
Malchow SC See Brown JJ
Maldague B See Malghem J
Maldjian C See Davis SD
Maldonado J; Gardella S; Fernandez JMR; et al: post-remission therapy in acute myeloblastic leukemia: a randomized trial comparing early consolidation plus maintenance versus maintenance therapy alone, Acta Oncol 1989; **28:** 223
Malemud CJ See Katzenstein PL
Malena S See Orazi C
Malessa S See Suess E
Malet PF See Khouri MR
Malet PF: medical dissolution of gallstones with bile salts, Semin Roentgenol 1991; **26:** 239
Malet PF; Baker J; Kahn MJ; Soloway RD: gallstone composition in relation to buoyancy at oral cholecystography, Radiology 1990; **177:** 167
Maley TJ See Puram B
Malfertheiner P; Büchler M: correlation of imaging and function in chronic pancreatitis, Radiol Clin North Am 1989; **27:** 51
Malghem J; Maldague B: depth insufficiency of the proximal trochlear groove on lateral radiographs of the knee: relation to patellar dislocation, Radiology 1989; **170:** 507
Malghem J; Maldague B: patellofemoral joint: 30° axial radiograph with lateral rotation of the leg, Radiology 1989; **170:** 566
Malholtra V See Orron DE
Mali WPTM See Klinge J
Mali WPTM See Scholten FG
Mali WPTM See Spijkerboer AM
Mali WPTM See Van den Hout JHW
Mali WPTM See van der Grond J
Mali WPTM; Geyskes GG; Thalman R: dissecting renal artery aneurysm: treatment with an endovascular stent, AJR 1989; **153:** 623
Malik N; Khandelwal N; Mandal P; et al: femoral vein compression in solitary osteochondroma of head of femur, Australas Radiol 1990; **34:** 91
Malinoff HL; Mountz JM; Wilson MW: hereditary tyrosinemia: unusual imaging distribution of gallium-67 citrate, Clin Nucl Med 1989; **14:** 229
Malisch TW; Hedlund LW; Suddarth SA; Johnson GA: MR microscopy at 7.0 T: effects of brain iron, JMRI 1991; **1:** 301
Malissard L; Nguyen TD; Jung GM; et al: localized adenocarcinoma of the lung: a retrospective study of 186 non-metastatic patients from the French Federation of Cancer Institutes—the Radiotherapy Cooperative Group, Int J Radiat Oncol Biol Phys 1991; **21:** 369
Malko JA See Castillo M
Malko JA See Chezmar JL
Malko JA See Murphy FB
Malko JA: eddy-current-induced artifacts caused by an "MR-compatible" halo device: reply, Radiology 1990; **175:** 586
Malko JA; Hoffman JC Jr; Green RC: MR measurement of intracranial CSF volume in 41 elderly normal volunteers, AJNR 1991; **12:** 371
Malko JA; Hoffman JC Jr; Jarrett PJ: eddy-current-induced artifacts caused by an "MR-compatible" halo device, Radiology 1989; **173:** 563
Malko JA; Nelson RC: hand-held electronic teaching-aid for demonstrating MRI concepts, Invest Radiol 1989; **24:** 927
Mallek R See Herold CJ
Mallek R See Mostbeck GH
Mallette LE: successful treatment of resistant Paget's disease of bone with pamidronate, (ab), Radiology 1990; **175:** 886
Mallory DL; McGee WT; Shawker TH; et al: ultrasound guidance improves the success rate of internal jugular vein cannulation: a prospective randomized trial, (ab), JVIR 1991; **2:** 287
Mallory DL; McGee WT; Shawker TH; et al: ultrasound guidance improves the success rate of internal jugular vein cannulation: a prospective, randomized trial, (ab), Radiology 1991; **178:** 294
Mallory GB Jr See Glasier CM
Malloy CR; Buster DC; Castro MMCA; et al: influence of global ischemia on intracellular sodium in the perfused rat heart, Magn Res Med 1990; **15:** 33
Malluche HH See Joyce JM
Malm T See Duvernoy O
Malmin RE; Stanley PC; Guth WR: collimator angulation error and its effect on SPECT, J Nucl Med 1990; **31:** 655
Malmström H; Janson H; Simonsen E; et al: prognostic factors in invasive squamous cell carcinoma of the vulva treated with surgery and irradiation, Acta Oncol 1990; **29:** 915
Malone D See Mahon T
Malone DE See Becker CD
Malone DE See Burhenne HJ
Malone DE See Goodacre BW
Malone DE See Mathieson JR
Malone DE: interventional radiologic alternatives to cholecystectomy, Radiol Clin North Am 1990; **28:** 1145
Malone DE; Becker CD; Müller NL; et al: is routine chest radiography required with biliary lithotripsy?, AJR 1989; **152:** 987
Malone DE; Becker CD; Reich D; et al: soft-tissue effects of biliary extracorporeal shockwave lithotripsy in swine, Br J Radiol 1989; **62:** 843
Malone DE; Burhenne HJ: technical problem: impacted retained distal common duct stone, Clin Radiol 1990; **41:** 130
Malone DE; Burhenne HJ: technical report: management of tract disruption due to radiologic T-tube extraction of a retained common bile duct stone, Clin Radiol 1991; **43:** 207

Malone DE; Rawat B; Fache JS; Quenville NF; Burhenne HJ: intercostal pathway for biliary lithotripsy: an evaluation, Radiology 1990; **174:** 349
Malone LA See **O'Neill H**
Malone M See **English R**
Malone M See **Hall-Craggs MA**
Malone RB Jr See **Encarnacion CE**
Maloney M See **Primrose JN**
Maloney WJ; Jasty M; Harris WH; et al: endosteal erosion in association with stable uncemented femoral components, (ab), Radiology 1991; **178:** 899
Maloney WJ; Krushell RJ; Jasty M; et al: incidence of heterotopic ossification after total hip replacement: effect of the type of fixation of the femoral component, (ab), Radiology 1991; **181:** 295
Maloney WJ; Murali J; Rosenberg A; et al: bone lysis in well-fixed cemented femoral components, (ab), Radiology 1991; **179:** 591
Maloon S See **Learmonth ID**
Malott RL See **Maves CK**
Malouf AJ; Patel RB: sonographic appearance of a duodenal bulb lipoma with CT and MRI correlation, J Ultrasound Med 1991; **10:** 461
Malpani A; Blend M; Bekerman C; et al: incidental detection of esophageal diverticulum during gastric emptying examination, Clin Nucl Med 1990; **15:** 576
Malpani A; Singer J; Wolverson MK; et al: endometrial hyperplasia: value of endometrial thickness in ultrasonographic diagnosis and clinical significance, JCU 1990; **18:** 173
Malpani A; Takamia Y; Bekerman C; et al: Tc-99m MDP accumulation in lymphoma, Clin Nucl Med 1990; **15:** 738
Malpani AR See **Vas W**
Malpani AR; Ramani SK; Sundaram M: case report 558, Skeletal Radiol 1989; **18:** 399
Malt RA See **Brink JA**
Maly P: sex and age related differences in postmyelographic adverse reactions: a prospective study of 1765 myelographies, Neuroradiol 1989; **31:** 331
Malzberg MS; Haller JO; Snieckus PJ; et al: Canale-Smith syndrome: chronic pseudomalignant lymphadenopathy, JCU 1991; **19:** 172
Mameghan H; Fisher R; Mameghan J; et al: bowel complications after radiotherapy for carcinoma of the prostate: the volume effect, Int J Radiat Oncol Biol Phys 1990; **18:** 315
Mameghan H; Gray BN; de Zwart J; et al: adjuvant post-operative radiotherapy in rectal cancer: results from the ANZ bowel cancer trial (protocol 8202), Australas Radiol 1991; **35:** 61
Mameghan J See **Mameghan H**
Mamiya T See **Honda N**
Mammone JF See **Mitchell DG**
Mamo H See **Dinh YRT**
Mamon JF; Hoppensteadt D; Fareed J; Moncada R: biochemical evidence for a relative lack of inhibition of thrombin formation by nonionic contrast media, Radiology 1991; **179:** 399
Mamontova AG See **Sinitsyn VV**
Mamourian AC See **Leonard KJ**
Mamourian AC; Lewandowski AE; Towfighi J: cystic intraparenchymal meningioma in a child: case report, AJNR 1991; **12:** 366
Mamourian AC; Yarnell T: enhancement of pineal cysts on MR images, AJNR 1991; **12:** 773
Mamourian AC; Zimmerman RS: calcified superficial temporal artery to posterior cerebral artery bypass mimicking occlusion, AJNR 1991; **12:** 507
Mamtora H See **Chippindale AJ**
Mamtora H See **Maxwell AJ**
Man DWK See **Yip CKY**
Man K See **Alexander MSM**
Man S-W See **Chan F-L**
Man WK; Li SK; Spencer J; et al: gastrointestinal histamine and histamine formation capacity after gastric irradiation in mice, Br J Radiol 1990; **63:** 209
Manabe T See **Shibamoto Y**
Manabe T; Miyashita T; Ohshio G; et al: small carcinoma of the pancreas: clinical and pathologic evaluation of 17 patients, (ab), Radiology 1989; **170:** 582
Manaster BJ See **Faciszewski T**
Manaster BJ See **Moser RP Jr**
Manaster BJ See **Osborn AG**
Manaster BJ See **Schweitzer ME**
Manaster BJ: clinical efficacy of triple-injection wrist arthrography, Radiology 1991; **178:** 267
Manaster BJ: magnetic resonance imaging of the knee, Semin US CT MR 1990; **11:** 307
Manaster BJ; Coleman DA; Bell DA: pre- and postoperative imaging of vascularized fibular grafts, Radiology 1990; **176:** 161
Manaster BJ; Ensign MF: role of imaging in musculoskeletal tumors, Semin US CT MR 1989; **10:** 498
Mancini G See **Scarpati D**
Mancini J; Livet MO; Pinsard N: indications of radiological explorations in partial epilepsy of childhood, J Neuroradiol 1989; **16:** 301
Manco-Johnson M See **Lear JL**
Mancuso AA See **Freeman DE**
Mancuso AA See **Som PM**
Mancuso AA; Dillon WP: neck, Radiol Clin North Am 1989; **27:** 407
Mandal AK See **Kapoor R**
Mandal P See **Malik N**
Mandalam KR See **Gupta AK**
Mandalam KR See **Kumar S**
Mandalam KR See **Rao AS**
Mandalam KR See **Rao VRK**
Mandel FS See **Cohen HL**
Mandel FS See **Somogyi AA**
Mandel H; Braun J; El-Peleg O; et al: glutaric aciduria type I: brain CT features and a diagnostic pitfall, Neuroradiol 1991; **33:** 75
Mandel PR; Baim R; Irwin G: unsuspected ascites noted on a blood pool venogram study, Clin Nucl Med 1990; **15:** 925
Mandell GA See **Caro PA**
Mandell GA See **Finkelstein MS**
Mandell GA; Finkelstein MS: hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality: reply, Radiology 1991; **179:** 878
Mandell GA; Harcke HT; Bowen JR; et al: transient photopenia of the femoral head following arthrography, Clin Nucl Med 1989; **14:** 397
Mandell GA; Harcke HT; Hugh J; et al: detection of talocalcaneal coalitions by magnification bone scintigraphy, J Nucl Med 1990; **31:** 1797
Mandell GA; MacKenzie WG; Scott CI Jr; et al: identification of avascular necrosis in the dysplastic proximal femoral epiphysis, Skeletal Radiol 1989; **18:** 273
Mandell GA; Scott CI Jr; Harcke HT; et al: scintigraphic differentiation of congenital soft-tissue extremity enlargement with Tc-99m DTPA, Skeletal Radiol 1989; **18:** 33
Mandell J See **Benacerraf BR**
Mandell J See **Bernstein GT**
Mandell J See **Estroff JA**
Mandell J; Blyth BR; Peters CA; Retik AB; Estroff JA; Benacerraf BR: structural genitourinary defects detected in utero, Radiology 1991; **178:** 193
Mandell LR; Massey V; Ghavimi F: influence of extensive bone erosion on local control in non-orbital rhabdomyosarcoma of the head and neck, Int J Radiat Oncol Biol Phys 1989; **17:** 649
Mandell MJ; Thieme GA; Eggli KD; et al: transrectal ultrasound guided needle biopsy of recurrent vaginal mass in a 23 month old girl, Pediatr Radiol 1989; **20:** 120
Mandell SH See **Quint LE**
Manders EK See **Stryker JA**
Mandle CL; Domar AD; Harrington DP; Leserman J; Bozadjian EM; Friedman R; Benson H: relaxation response in femoral angiography, Radiology 1990; **174:** 737
Mandruzzato GP; D'Ottavio G; Rustico MA; et al: intrauterine hematoma: diagnostic and clinical aspects, JCU 1989; **17:** 503
Manelfe C See **Trussart V**
Maneval DC; Magill HL; Cypess AM; et al: measurement of skin-to-kidney distance in children: implications for quantitative renography, J Nucl Med 1990; **31:** 287
Manfredi RA; Govoni AF; Sassoon J: 15-year-old black girl with a left abdominal mass, Clin Imag 1991; **15:** 62
Manfrini E See **Graziani L**
Mangiola S See **McLaughlin MG**
Manglal-Lan B See **Nicholson RL**
Manglos SH; Bassano DA; Thomas FD: cone-beam transmission computed tomography for nonuniform attenuation compensation of SPECT images, J Nucl Med 1991; **32:** 1813
Mangner TJ See **Rosenspire KC**
Manhire AR See **Cousins C**
Manhire AR See **Henderson MJ**
Manhire AR See **Rocker GM**
Mani JR See **Jackson DE Jr**
Mani TM; Lallemand D; Corone S; Mauriat P: metastatic pulmonary calcifications after cardiac surgery in children, Radiology 1990; **174:** 463
Maniawski PJ; Morgan HT; Wackers FJT: orbit-related variation in spatial resolution as a source of artifactual defects in thallium-201 SPECT, J Nucl Med 1991; **32:** 871
Manifold IH See **Sims C**
Manivel JC See **Ardill RH**
Manivel JC; Priest JR; Watterson J; et al: pleuropulmonary blastoma: the so-called pulmonary blastoma of childhood, (ab), Radiology 1989; **171:** 591
Manke HG See **Schuhmacher JH**
Mankin HJ See **Kattapuram SV**
Mankin HJ See **Miralbell R**
Mankin HJ See **Rosenthal DI**
Mankinen P See **Taavitsainen M**
Mankoff D See **Kung HF**
Mankoff DA See **Karp JS**
Mankovich NJ See **Cagnon CH**
Mann CI See **Kraus RA**
Mann DA See **Coughlin JR**
Mann DC; Rajmaira S: distribution of physeal and nonphyseal fractures in 2,650 long-bone fractures in children aged 0–16 years, (ab), Radiology 1991; **179:** 888
Mann FA See **Stewart NR**
Mann FA See **Wilson AJ**
Mann FA; Hildebolt CF: inappropriate use of a χ^2 test in modality comparison study of related samples, Radiology 1991; **178:** 582
Mann FA; Murphy WA; Totty WG; et al: magnetic resonance imaging of peripheral nerve sheath tumors: assessment by numerical visual fuzzy cluster analysis, Invest Radiol 1990; **25:** 1238
Mann H See **Günther RW**
Mann H See **Lerch MM**
Mann H; Ward JH; Samlowski WE: vascular leak syndrome associated with interleukin-2: chest radiographic manifestations, Radiology 1990; **176:** 191
Mann JM See **Colebunders R**
Mann M See **Revel MP**
Mann MD See **Dowdle SC**
Mann RB See **Floyd JL**
Mann SL See **Cook AM**
Mannan RH; Somayaji VV; Lee J; et al: radioiodinated 1-(5-iodo-5-deoxy-β-D-arabinofuranosyl)-2-nitroimidazole (iodoazomycin arabinoside: IAZA): a novel marker of tissue hypoxia, J Nucl Med 1991; **32:** 1764
Mannhardt W; Schumacher R: progressive calcifications of lung and liver in neonatal herpes simplex virus infection, Pediatr Radiol 1991; **21:** 236
Mannick JA See **Polak JF**
Manninen H See **Yang XM**
Manninen H; Remes J; Partanen K; et al: evaluation of heart size and pulmonary vasculature: conventional chest roentgenography and image intensifier photofluorography compared, Acta Radiol 1991; **32:** 226
Manning FA: use of sonography in the evaluation of the high-risk pregnancy, Radiol Clin North Am 1990; **28:** 205
Manning SC; Vuitch F; Weinberg AG; et al: allergic aspergillosis: a newly recognized form of sinusitis in the pediatric population, (ab), Radiology 1990; **174:** 903
Manning WJ See **Burstein D**
Manning WJ See **Edelman RR**
Mannkopf H See **Schmidt H**
Manns RA See **Davies AM**
Manns RA See **Duddy MJ**
Manns RA; Burrows FGO; Adu D; et al: acquired cystic disease of the kidney: ultrasound as the primary screening procedure, Clin Radiol 1990; **41:** 248
Manns RA; Davies AM: glenoid hypoplasia: assessment of computed tomographic arthrography, Clin Radiol 1991; **43:** 316
Manns RA; Lee JR: critical evaluation of the radial head—capitellum view in acute elbow trauma with an effusion, Clin Radiol 1990; **42:** 433
Manns RA; Vickers CR; Chesner IM; et al: case report: portal hypertension secondary to sigmoid colon arteriovenous malformation, Clin Radiol 1990; **42:** 203
Manolis J See **Emami B**
Manolia JM See **Simpson JR**
Manon-Espaillat R; Lanska DJ; Ruff RL; et al: visualization of isolated trigeminal nerve invasion by lymphoma using gadolinium-enhanced magnetic resonance imaging, Neuroradiol 1990; **32:** 531
Manor D See **Thaler I**
Manor EP See **Palestro CJ**
Mansberg VJ; Rowe LJ; Walker C: atypical case of Pott's disease, Australas Radiol 1991; **35:** 191
Mansell J See **Saroja KR**
Mansell J See **Schultheiss TE**
Mansfield CM See **Krishnan L**
Mansfield P See **Bowtell R**
Mansfield P See **Bullock PR**
Mansfield P See **Stehling MK**
Mansfield P See **Worthington BS**
Mansfield P; McJury M; Glover P; et al: RF cavity resonator and split-resonator designs, Magn Res Med 1991; **17:** 10
Mansfield P; Stehling MK; Ordidge RJ; et al: echo planar imaging of the human fetus *in utero* at 0.5 T, Br J Radiol 1990; **63:** 833
Manson D See **Stringer DA**
Manson D; Martin RF; Cockshott WP: metaphyseal impaction fractures in acute lymphoblastic leukemia, Skeletal Radiol 1989; **17:** 561

Manson D; Wilmot DM; King S; et al: physeal involvement in chronic recurrent multifocal osteomyelitis, Pediatr Radiol 1989; **20:** 76
Manson DE; Stringer DA; Durie PR; et al: radiologic and endoscopic investigation and etiologic classification of gastritis in children, J Canad Assoc Radiol 1990; **41:** 201
Mansour KA See Randleman CD
Mansour MA; Russ PD; Subber SW; et al: aorto-left renal vein fistula: diagnosis by duplex sonography, AJR 1989; **152:** 1107
Månsson B See Nobin A
Månsson L-G; Kheddache S; Börjesson J; et al: digital chest radiography with a large image intensifier: an ROC study with an anthropomorphic phantom, Eur J Radiol 1989; **9:** 208
Månsson LG; Kheddache S; Schlossman D; et al: digital chest radiography with a large image intensifier: evaluation of diagnostic performance and patient exposure, Acta Radiol 1989; **30:** 337
Mansukhani VT See Patrick EA
Mantell BS See Irwin CJR
Mantello MT; Haller JO; Marquis JR: sonography of abdominal desmoid tumors in adolescents, J Ultrasound Med 1989; **8:** 467
Mantello MT; Panaccione JL; Moriarty PE; et al: impending rupture of nonaneurysmal bacterial aortitis: CT diagnosis, JCAT 1990; **14:** 950
Mantle M See Sissons GRJ
Mantoni M See Pedersen JF
Mantoni M: deep venous thrombosis: longitudinal study with Duplex US, Radiology 1991; **179:** 271
Mantoni M: diagnosis of deep venous thrombosis by duplex sonography, Acta Radiol 1989; **30:** 575
Mantoni M; Neergaard K: intravenous digital subtraction angiography in patients with cerebral ischaemia: evaluation of extracranial carotid lesions, Eur J Radiol 1989; **9:** 221
Mantravadi RVP; Gates JO; Crawford JN; Bajpai D; Trenkner JD; Jordan LN: unresectable non-oat cell carcinoma of the lung: definitive radiation therapy, Radiology 1989; **172:** 851
Mäntyl MJ See Kajanti MJ
Mäntylä M See Kajanti M
Manz HJ See Schellinger D
Manzarbeitia C See Rabin AM
Manzi SV; Hager KH; Murtagh FR; et al: MR imaging in a patient with Leigh's disease (subacute necrotizing encephalomyelopathy), Pediatr Radiol 1990; **21:** 62
Manzione JV Jr See Simon JH
Manzitti J See Meli FJ
Manzo RP See Murayama S
Manzur AY See Rutherford MA
Mao H-S See Grau C
Mao J See Boehmer JP
Mao J See Yan H
Mao J; Virapongse C; Fitzsimmons JR: study of optimization of the complex hyperbolic secant inversion pulses, Magn Res Med 1990; **13:** 293
Maor MH See Griffin TW
Maor MH See Halpern J
Maples MD See O'Mara CS
Marandas P See Lusinchi A
Marani SAD; Canossi GC; Nicoli FA; Alberti GP; Monni SG; Casolo PM: hydatid disease: MR imaging study, Radiology 1990; **175:** 701
Maranon-Lopez J See Jimenez-Heffernan A
Maravic Cv See Kessler C
Maravic Mv See Kessler C
Maraviglia B See Macrì MA
Maravilla KR See Runge VM
Maravilla KR See Schmiedl UP
Maravilla KR See Segall HD
Maravilla KR See Shaw DWW
Maravilla KR See Silbergeld J
Maravilla KR See Sze G
Maravilla KR See Varnell RM
Maravilla KR See Wehrli FW
Maravilla KR See Weinreb JC
Maravilla KR See Wessbecher FW
Marazuela M; García-Merino A; Yebra M; et al: magnetic resonance imaging and angiography of the brain in embolic left atrial myxoma, Neuroradiol 1989; **31:** 137
Marberger M See Hruby W
Marcassa C; Marzullo P; Parodi O; et al: new method for noninvasive quantitation of segmental myocardial wall thickening using technetium-99m 2-methoxy-isobutyl-isonitrile scintigraphy—results in normal subjects, J Nucl Med 1990; **31:** 173
Marcellin L See Christmann D
Marcello A See Cronan JJ
Marcellus H See Coldwell DM
March DE; Rao VM; Zwillenberg D: computed tomography of salivary glands in Sjögren's syndrome, (ab), Radiology 1989; **173:** 295
March DE; Wechsler RJ; Kurtz AB; et al: CT-pathologic correlation of axillary lymph nodes in breast carcinoma, JCAT 1991; **15:** 440
Marchal AL See Hoeffel JC
Marchal G See Baert AL
Marchal G See Demaerel P
Marchal G See Leyman P
Marchal G See Peene P
Marchal G See Rigauts H
Marchal G See Smet M-H
Marchal G See Van Hecke P
Marchal G See Van Steenbergen W
Marchal G See Verschakelen JA
Marchal G See Wilms G
Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL: intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Radiology 1990; **175:** 443
Marchal G; Bosmans H; Van Hecke P; et al: experimental Gd-DTPA polylysine enhanced MR angiography: sequence optimization, JCAT 1991; **15:** 711
Marchal G; Bosmans H; Van Hecke P; et al: MR angiography with gadopentetate dimeglumine-polylysine: evaluation in rabbits, AJR 1990; **155:** 407
Marchal G; Demaerel P; Decrop E; et al: gadolinium-DOTA enhanced fast imaging of liver tumors at 1.5 T, JCAT 1990; **14:** 217
Marchal G; Van Hecke P; Demaerel P; et al: detection of liver metastases with superparamagnetic iron oxide in 15 patients: results of MR imaging at 1.5 T, AJR 1989; **152:** 771
Marchal G; Verbeken E; Van Steenbergen W; et al: uneven lipomatosis: a pitfall in pancreatic sonography, Gastrointest Radiol 1989; **14:** 233
Marchal GJ See Van Hecke PE
Marchal JC See Barat J-L
Marchal JC See Bracard S
Marchand L See Dumont M
Marchand T See Zeman RK
Marchant DJ See Homer MJ
Marchant EA; Alvear DT; Fagelman KM: true clinical entity of vascular compression of the duodenum in adolescence, (ab), Radiology 1989; **173:** 295
Marchese MJ; Goldhagen PE; Zaider M; et al: relative biological effectiveness of photon radiation from encapsulated iodine-125, assessed in cells of human origin: I. normal diploid fibroblasts, Int J Radiat Oncol Biol Phys 1990; **18:** 1407
Marchesini G See Zoli M
Marchetti C See Pozza F
Marchianò A See Damascelli B
Marchianò A See Garbagnati F
Marcial LV; Marcial VA; Krall JM; et al: comparison of 1 vs 2 or more intracavitary brachytherapy applications in the management of carcinoma of the cervix, with irradiation alone, Int J Radiat Oncol Biol Phys 1991; **20:** 81
Marcial V See Fazekas JT
Marcial V See Weiss M
Marcial VA See Cox JD
Marcial VA See Marcial LV
Marcial VA See Pajak TF
Marcial VA; Pajak TF; Mohiuddin M; et al: concomitant cisplatin chemotherapy and radiotherapy in advanced mucosal squamous cell carcinoma of the head and neck: long-term results of the radiation therapy oncology group study 81-17, (ab), Radiology 1991; **180:** 868
Marcial-Vega VA; Cardenes H; Perez CA; et al: cervical metastases from unknown primaries: radiotherapeutic management and appearance of subsequent primaries, Int J Radiat Oncol Biol Phys 1990; **19:** 919
Marcial-Vega VA; Order SE; Lastner G; et al: prevention of hypothyroidism related to mantle irradiation for Hodgkin's disease: preparative phantom study, Int J Radiat Oncol Biol Phys 1990; **18:** 613
Marcial-Vega VA; Wharam MD; Leibel S; et al: treatment of supratentorial high grade gliomas with split course high fractional dose postoperative radiotherapy, Int J Radiat Oncol Biol Phys 1989; **16:** 1419
Marciano D See Kim KT
Marciano S See Aymard A
Marciniak R See Sąsiadek M
Marcos-Robles J See Martinez-Tello FJ
Marcus A See Khouri MR
Marcus C See Menanteau BP
Marcus CS See Guze BH
Marcus CS See Henneman PL
Marcus CS See Koci TM
Marcus CS See Stabin MG
Marcus DS; Reicher MA; Kellerhouse LE: Achilles tendon injuries: the role of MR imaging, JCAT 1989; **13:** 480
Marcus MD See Landes AB
Marcus R See Grollman JH Jr
Marcus RB Jr See Brant TA
Marcus RB Jr See McCollough WM
Marcus RB Jr; Million RR: incidence of myelitis after irradiation of the cervical spinal cord, Int J Radiat Oncol Biol Phys 1990; **19:** 3
Marcus RH; Sareli P; Pocock WA; et al: functional anatomy of severe mitral regurgitation in active rheumatic carditis, (ab), Radiology 1989; **173:** 291
Marcuzzi DW; Cohen EK: role of MRI bone marrow imaging in recurrent lymphoma, J Canad Assoc Radiol 1989; **40:** 216
Marder DM; DeMarino GB; Sumkin JH; Sheahan DG: liver transplant rejection: value of the resistive index in Doppler US of hepatic arteries, Radiology 1989; **173:** 127
Marechal F; Berthiot G; Cattan A: five-day continuous infusion of cisplatin and etoposide in non-small cell lung cancer: a phase II trial, Acta Oncol 1990; **29:** 589
Mares AJ See Laufer L
Mares AJ See Meizner I
Mareschal JL See Barth MO
Margain D See Peretti-Viton P
Margain D; Peretti-Viton P; Arnaud O; et al: astrocytic tumours, J Neuroradiol 1991; **18:** 141
Margain D; Peretti-Viton P; Perez-Castillo AM; et al: oligodendrogliomas, J Neuroradiol 1991; **18:** 153
Marglin SI; Laing FC; Castellino RA: current status of mediastinal sonography in the posttreatment evaluation of patients with lymphoma, AJR 1991; **157:** 469
Marglin SI; Rowberg AH; Godwin JD: preliminary experience with portable digital imaging for intensive care radiography, J Thorac Imag 1990; **5-1:** 49
Margolin FR See Lagios MD
Margouleff D See Desai MB
Margraf LR See Morrison SC
Margulies N; Abraham V; Way JS; et al: reversible biochemical changes in the developing rat central nervous system following ultrasound exposure, Ultrasound Med Biol 1991; **17:** 383
Margulis AR See Eisenberg RL
Margulis AR See Rothschild PA
Margulis AR See Werthmuller WC
Margulis AR See Winkler ML
Margulis AR: academic radiology in the United States: 1955–1990, Invest Radiol 1990; **25:** 324
Margulis AR; Brandt DJ: changing face of gastrointestinal radiology, Semin Roentgenol 1989; **24:** 231
Margulis AR; Eisenberg RL: gastrointestinal radiology from the time of Walter B. Cannon to the 21st century, Radiology 1991; **178:** 297
Mari G; Moise KJ Jr; Deter RL; et al: Doppler assessment of renal blood flow velocity waveforms in the anemic fetus before and after intravascular transfusion for severe red cell alloimmunization, JCU 1991; **19:** 15
Mari G; Moise KJ Jr; Deter RL; et al: fetal heart rate influence on the pulsatility index in the middle cerebral artery, JCU 1991; **19:** 149
Marien AJH See Luyten PR
Marien K See Verlooy H
Märild S See Hellström M
Marill K See Bryant RG
Marin AM See Frider B
Marin LA; Smith CE; Langston MY; et al: response of glioblastoma cell lines to low dose rate irradiation, Int J Radiat Oncol Biol Phys 1991; **21:** 397
Marin ML; Romney BM; Franco K; et al: bronchogenic cyst: a case report emphasizing the role of magnetic resonance imaging, J Thorac Imag 1991; **6-2:** 43
Marina NM See Lemmi MA
Marincola FM; Mark JBD: selection factors resulting in improved survival after surgical resection of tumors metastatic to the lungs, (ab), Radiology 1991; **180:** 293
Marincolo F See Giacchetto C
Marinelli DL See McLean GK
Marinelli DL See Sacks D
Marinello G See Crook JM
Marinello G See Mazeron JJ
Marinetti GV See Ekholm SE
Marin-Grez M See Strauss LG
Marini A See Suma V
Marini JJ; Culver BH: systemic gas embolism complicating mechanical ventilation in the adult respiratory distress syndrome, (ab), Radiology 1990; **174:** 290
Marinier DS See Hubesch B
Marino C; Hirn-Stadler B; Rojas A: influence of a seventy-two hour gap on the acute response of mouse skin and oesophagus, Br J Radiol 1990; **63:** 951
Marino GG; Robinson WL: acute myelofibrosis: correlation of radiographic, bone scan, and biopsy findings, J Nucl Med 1989; **30:** 251

Marin-Padilla M See Harris RD
Marina JLC See Prando A
Marion M See Jones DN
Mariscal U-B See Crang-Svalenius E
Mark A See Dillon WP
Mark AS See Barakos JA
Mark AS See Lee SR
Mark AS See Seltzer S
Mark AS; Atlas SW: progressive multifocal leukoencephalopathy in patients with AIDS: appearance on MR images, Radiology 1989; 173: 517
Mark DB See Bengtson JR
Mark DB See Davidson CJ
Mark JBD See Marincola FM
Mark LP See Daniels DL
Mark LP; Haughton VM; Hendrix LE; et al: high-intensity signals within the posterior pituitary fossa: a study with fat-suppression MR techniques, AJNR 1991; 12: 529
Mark LP; Haughton VM; Hendrix LE; et al: high-intensity signals within the posterior pituitary fossa: a study with fat-suppression MR techniques, AJR 1991; 157: 389
Markarian B See Randall PA
Markey BJ See Burks DD
Markham J See Herrero P
Markiewicz D; Hanks GE: therapeutic options in the management of incidental carcinoma of the prostate, Int J Radiat Oncol Biol Phys 1991; 20: 153
Markisz JA See Brill PW
Markisz JA See Rafal RB
Markivee CR See Patel BK
Markoe AM See Amendola BE
Markoe AM See Seegenschmiedt MH
Markowitz DM; Denny DF Jr: enterostomy catheter exchange using new polymer-coated guide wire: technical note, Gastrointest Radiol 1990; 15: 64
Markowitz DM; Hughes SH; Shaw C; et al: transcatheter detachable balloon embolotherapy for catheter-induced pulmonary artery pseudoaneurysm, J Thorac Imag 1991; 6-2: 75
Markowitz DM; Wong KT; Laffey KJ; et al: maintaining quality of life after palliative diversion for malignant ureteral obstruction, Urol Radiol 1989; 11: 129
Markowitz ME; Weinberger HL: immobilization-related lead toxicity in previously lead-poisoned children, (ab), Radiology 1991; 178: 900
Markowitz RI See Fellows KE
Markowitz RI See Rosenberg HK
Markowitz SK See Milici LP
Markowitz SK See Pistoia F
Marks F; Hernanz-Schulman M; Horii S; et al: spondylothoracic dysplasia: clinical and sonographic diagnosis, J Ultrasound Med 1989; 8: 1
Marks F; Thomas P; Lustig I; et al: in utero sonographic description of a fetal liver adenoma, J Ultrasound Med 1990; 9: 119
Marks G See Mohiuddin M
Marks G See Rifkin MD
Marks JE See Garcia DM
Marks LB; Suit HD; Rosenberg AE; et al: dermatofibrosarcoma protuberans treated with radiation therapy, Int J Radiat Oncol Biol Phys 1989; 17: 379
Marks MA See Jacobson AF
Marks MP See Johnson DW
Marks MP; Lane B; Steinberg G; et al: vascular characteristics of intracerebral arteriovenous malformations in patients with clinical steal, AJNR 1991; 12: 489
Marks MP; Lane B; Steinberg GK; Chang PJ: hemorrhage in intracerebral arteriovenous malformations: angiographic determinants, Radiology 1990; 176: 807
Marks PH See Vellet AD
Marks RA See Brown KT
Marks SC Jr See Kleinman PK
Marks T See Hulett RL
Marks WH See Taylor KJW
Markus J; Tuttle RJ: evolution of a mycotic aneurysm of the thoracoabdominal aorta, J Canad Assoc Radiol 1989; 40: 45
Markus JB; Somers S; Franic SE; Moola C; Stevenson GW: interobserver variation in the interpretation of abdominal radiographs, Radiology 1989; 171: 69
Markus JB; Somers S; O'Malley BP; Stevenson GW: double-contrast barium enema studies: effect of multiple reading on perception error, Radiology 1990; 175: 155
Marlatt SW; Caride VJ; Prokop EK: incidental demonstration of pericardial fistula during hepatobiliary scintigraphy, J Nucl Med 1991; 32: 518
Marlink RG; Lokich JJ; Robins JR; et al: hepatic arterial embolization for metastatic hormone-secreting tumors: technique, effectiveness, and complications, (ab), Radiology 1990; 177: 889
Marlowe FI See Swartz JD
Marmarou A See Fatouros PP
Marmary Y See Nitzan DW
Marmolya G See Karlins NL
Marmolya G; Karlins NL; Petrelli M; et al: unusual computed tomography findings in hepatic amyloidosis, Clin Imag 1990; 14: 248
Marmolya G; Wiesen EJ; Yagan R; Haria CD; Shah AC: paranasal sinuses: low-dose CT, Radiology 1991; 181: 689
Marmolya G; Yagan R: computed tomographic diagnosis of left innominate vein aneurysm mimicking an anterior mediastinal mass on plain films: a case report, J Thorac Imag 1989; 4-4: 77
Marmor A; Prober A: electrocardiogram changes during intrauterine injection of ionic contrast medium, Invest Radiol 1991; 26: 579
Marmor A; Sharir T; Shlomo IB; et al: radionuclide ventriculography and central aorta pressure change in noninvasive assessment of myocardial performance, J Nucl Med 1989; 30: 1657
Marn CS See Bree RL
Marn CS See Gore RM
Marn CS; Glazer GM; Williams DM; Francis IR: CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Radiology 1990; 175: 375
Marn CS; Yu B-FB; Nostrant TT; et al: idiopathic cecal ulcer: CT findings, AJR 1989; 153: 761
Maroldi R See Nicolai P
Marom Z See Som PM
Marom Z See Stancato-Pasik A
Marone PJ See Burk DL Jr
Maroney TP See Cragg AH
Maroney TP; Ring EJ; Gordon RL; Pellegrini CA: role of interventional radiology in the management of major esophageal leaks, Radiology 1989; 170: 1055
Maroon JC See Onik G
Maroteaux P; Spranger J: spondylometaphyseal dysplasias. a tentative classification, Pediatr Radiol 1991; 21: 293
Marotta TR See McLennan MK
Marotta TR See Montanera W
Marquette CH See Remy-Jardin M
Marquis JR See Mantello MT
Marryatt GV See Zalev AH
Marsan RE See Demos TC
Marsan RE See Posniak HV
Marsan RE; McDonald V; Ramamurthy S: iatrogenic femoral arteriovenous fistula, Cardiovasc Intervent Radiol 1990; 13: 314
Marsch JG See Fowl RJ
Marsden FW See Kozlowski K
Marsh JI See Millward SF
Marsh JI; Gibney RG; Li DKB: hepatic hemangioma in the presence of fatty infiltration: an atypical sonographic appearance, Gastrointest Radiol 1989; 14: 262
Marsh JL See Kathol MH
Marsh JL See Pilgram TK
Marsh JL See Seabold JE
Marsh JL See Vannier MW
Marsh LM See Johnston JM
Marsh WR See Jack CR Jr
Marshall CH See Naidich DP
Marshall EA; Listinsky JJ; Ceckler TL; et al: magnetic resonance imaging using a ribbonator: hand and wrist, Magn Res Med 1989; 9: 369
Marshall FF See Yousem DM
Marshall GA; Dixon CM; McAninch JW: substance abuse-related spontaneous bladder rupture: report of two cases and review of the literature, (ab), Radiology 1991; 180: 293
Marshall I See Pye SD
Marshall JB; Hoyt TS; Seger RM; Reid JC; Beyer KL; Butt JH: air-contrast barium enema studies after flexible proctosigmoidoscopy: randomized controlled clinical trial, Radiology 1990; 176: 549
Marshall JB; Kretschmar JM; Diaz-Arias AA: gastroesophageal reflux as a pathogenic factor in the development of symptomatic lower esophageal rings, (ab), Radiology 1991; 178: 586
Marshall JC See Taylor MC
Marshall JL; Johnson ND; De Campo MP: vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Radiology 1990; 175: 355
Marshall K See Fritze M
Marshall MW; Teitelbaum GP; Kim HS; et al: ferromagnetism and magnetic resonance artifacts of platinum embolization microcoils, Cardiovasc Intervent Radiol 1991; 14: 163
Marshall TG See Hendry GMA
Marshall VG See Bradley WG Jr
Marshall WG; Miller EC; Kouchoukos NT: coronary-subclavian steal syndrome: report of a case and recommendations for prevention and management, (ab), Radiology 1989; 170: 587
Marsot-Dupuch K; Matozza F; Firat MM; et al: mandibular nerve: MR versus CT about 10 proved unusual tumors, Neuroradiol 1990; 32: 492
Marsteller LP See Shaw de Paredes E
Marsteller LP; Shaw de Paredes E: well defined masses in the breast, Radiographics 1989; 9: 13
Martel MK See Brenner DJ
Martel W See Brandon C
Martel W See van Holsbeeck M
Martell AE See Madsen SL
Martens F See Verstraete KLA
Martens S See Nielsen V-AH
Martenson JA Jr See Minehan KJ
Martenson JA Jr See Schild SE
Martí-Bonmatí L See Vilar JS
Martí-Bonmatí L: segmental liver anatomy, Radiology 1991; 179: 585
Marti-Bonmati L; Andres JC; Aguado C: sonographic relationship between gallbladder wall thickness and the etiology of ascites, JCU 1989; 17: 497
Marti-Bonmati L; Ballesta A; Chirivella M: unusual presentation of non-Hodgkin lymphoma of the spleen, J Canad Assoc Radiol 1989; 40: 49
Marti-Bonmati L; Menor F; Vizcaino I; et al: lipoma of the liver: US, CT, and MRI appearance, Gastrointest Radiol 1989; 14: 155
Marti-Bonmati L; Perales FR; Catala F; Mata JM; Calonge E: CT findings in Swyer-James syndrome, Radiology 1989; 172: 477
Marti-Bonmati L; Serrano FM: complications of hepatic hydatid cysts: ultrasound, computed tomography, and magnetic resonance diagnosis, Gastrointest Radiol 1990; 15: 119
Marti-Bonmati L; Torrijo C; Vilar J; et al: lesion/fat intensity ratio in MR characterization of hepatic masses, JCAT 1991; 15: 539
Martijn A See Steinberg JDJ
Martijn A See Thijn CJP
Martin AJ; Drake JM; Lemaire C; Henkelman RM: cerebrospinal fluid shunts: flow measurements with MR imaging, Radiology 1989; 173: 243
Martin B; Payan JM; Jones JS; et al: placental localization in abdominal pregnancy using technetium-99m-labeled red blood cells, J Nucl Med 1990; 31: 1106
Martin CG; Hansen TN; Goddard-Finegold J; et al: prediction of brain blood flow using pulsed Doppler ultrasonography in newborn lambs, JCU 1990; 18: 487
Martin CM See Gray DL
Martin D See Scherrer A
Martin DF See Beswick JS
Martin DF See Kimler BF
Martin DJ See Shanon A
Martin DS See Awwad EE
Martin DS See Ho HW
Martin DS: brain anatomy and magnetic resonance imaging, Radiology 1990; 174: 420
Martin DS: computed body tomography with MRI correlation. 2d ed, Radiology 1989; 172: 878
Martin DS: computed radiography, Radiology 1989; 170: 264
Martin DS: computed tomography of the whole body. 2nd ed. 2 vols, Radiology 1990; 175: 90
Martin DS: computers in diagnostic radiology, Radiology 1990; 175: 660
Martin DS: craniospinal magnetic resonance imaging, Radiology 1990; 174: 410
Martin DS: designing clinical research, Radiology 1989; 170: 184
Martin DS: innovations in diagnostic radiology, Radiology 1990; 175: 732
Martin DS: introduction to computers and digital processing in medical imaging, Radiology 1989; 170: 410
Martin DS: magnetic resonance imaging, Radiology 1989; 170: 660
Martin DS: magnetic resonance imaging in diseases of the nervous system: an introduction, Radiology 1990; 174: 410
Martin DS: magnetic resonance imaging in multiple sclerosis: an atlas of diagnosis and differential diagnosis, Radiology 1990; 176: 814
Martin DS: magnetic resonance imaging of the brain and spine, Radiology 1991; 180: 636
Martin DS: magnetic resonance imaging of the pediatric brain, Radiology 1991; 180: 110
Martin DS: magnetic resonance imaging of the spine, Radiology 1990; 176: 800
Martin DS: magnetic resonance of the spine, Radiology 1990; 176: 800
Martin DS: maxillofacial imaging, Radiology 1991; 178: 432
Martin DS: MRI atlas of the spine, Radiology 1991; 181: 764
Martin DS: neuroradiology test and syllabus, parts 1 and 2. 2 vols, Radiology 1991; 180: 96
Martin DS: noninvasive imaging of cerebrovascular disease, Radiology 1990; 174: 432
Martin DS: pediatric neuroimaging, Radiology 1990; 177: 196
Martin DS: pocket guide to ultrasound measurements, Radiology 1989; 170: 890
Martin DS: radiology of the eye and orbit, Radiology 1991; 179: 708

Martin DS: technical and physical parameters for quality assurance in medical diagnostic radiology: tolerances, limiting values and appropriate measuring methods, Radiology 1990; **175:** 686
Martin DS: workbook for MRI and CT of the head and neck. 2d ed, Radiology 1989; **172:** 748
Martin DS: writing for your peers: the primary journal paper, Radiology 1989; **170:** 400
Martin DS; Awwad EE: occult thoracic intradural extramedullary spinal canal lesions discovered by extending cervical and lumbar myelography, Clin Imag 1990; **14:** 106
Martin E See **Boesch C**
Martin E See **Kikinis R**
Martin E See **Stricker T**
Martin E See **Zuerrer M**
Martin E; Boesch C; Zuerrer M; et al: MR imaging of brain maturation in normal and developmentally handicapped children, JCAT 1990; **14:** 685
Martin E; Burger R; Wiestler OD; et al: brainstem lesion revealed by MRI in a case of Leigh's disease with respiratory failure, Pediatr Radiol 1990; **20:** 349
Martin EC See **Morgenstern BR**
Martin EC; Getrajdman GI: does the gallbladder have a future?, Radiology 1989; **170:** 969
Martin EC; Laffey KJ; Bixon R: percutaneous transjejunal approaches to the biliary system, Radiology 1989; **172:** 1031
Martin EC; Laffey KJ; Bixon R; Getrajdman GI: Gianturco-Rosch biliary stents: preliminary experience, JVIR 1990; **1:** 101
Martin EW Jr See **Cohen AM**
Martin GF See **Bontozoglou NP**
Martin GR See **Taylor GA**
Martin GR; Perry LW; Ferencz C: increased prevalence of ventricular septal defect: epidemic or improved diagnosis, (ab), Radiology 1989; **173:** 295
Martin GV See **Caldwell JH**
Martin GV; Caldwell JH; Rasey JS; et al: enhanced binding of the hypoxic cell marker [^{3}H]fluoromisonidazole in ischemic myocardium, J Nucl Med 1989; **30:** 194
Martin I See **Calvo FA**
Martin J See **Ara Callizo JR**
Martin J See **Coffey CW**
Martin J See **Hicken P**
Martin J; Garcia M; Duran A; et al: renal vein leiomyosarcoma: a case report and literature review, Urol Radiol 1989; **11:** 25
Martin J; Palacio A; Petit J; et al: fatty transformation of thoracic extramedullary hematopoiesis following splenectomy: CT features, JCAT 1990; **14:** 477
Martin JE: demonstration comparing film mammography with the new high sensitivity xeromammography, Radiographics 1989; **9:** 153
Martin JF See **Hesselink JR**
Martin JF; Guth BD; Griffey RH; et al: myocardial creatine kinase exchange rates and ^{31}P NMR relaxation rates in intact pigs, Magn Res Med 1989; **11:** 64
Martin JH See **Weingrad TR**
Martin J-J See **Parizel PM**
Martin K; Balfe DM; Lee JKT: computed tomography of portal vein thrombosis: unusual appearances and pitfalls in diagnosis, JCAT 1989; **13:** 811
Martin KD; Kempczinski RF; Fowl RJ: are routine inferior vena cavograms necessary before Greenfield filter placement?, (ab), Radiology 1990; **175:** 885
Martin L See **Hunter DW**
Martin LG See **Citron SJ**
Martin LG See **Faraj BA**
Martin LG See **Hunter DW**
Martin LG See **Redd DCB**
Martin LG; Henderson JM; Millikan WJ Jr; et al: angioplasty for long-term treatment of patients with Budd-Chiari syndrome, AJR 1990; **154:** 1007
Martin M See **Diaz-Rubio E**
Martin M See **Le Doussal J-M**
Martin M; Diaz-Rubio E; Sánchez A; et al: natural course of emesis after carboplatin treatment, Acta Oncol 1990; **29:** 593
Martin M; Hazan A; Vergnes L; et al: randomized study of 5 fluorouracil and cis platin as neoadjuvant therapy in head and neck cancer: a preliminary report, Int J Radiat Oncol Biol Phys 1990; **19:** 973
Martin MC See **Arrivé L**
Martin MM; Tatton WG; Lemaire C; et al: determination of extracellular/intracellular fluid ratios from magnetic resonance images: accuracy, feasibility, and implementation, Magn Res Med 1990; **15:** 58
Martin N See **L'Huillier F**
Martin N; Debroucker T; Mompoint D; et al: sarcoidosis of the pineal region: CT and MR studies, JCAT 1989; **13:** 110
Martin N; Debussche C; De Broucker T; et al: gadolinium-DTPA enhanced MR imaging in tuberous sclerosis, Neuroradiol 1990; **31:** 492
Martin N; Masson C; Henin D; et al: hypertrophic cranial pachymeningitis: assessment with CT and MR imaging, AJNR 1989; **10:** 477
Martin N; Pierot L; Sterkers O; et al: primary choroid plexus papilloma of the cerebellopontine angle: MR imaging, Neuroradiol 1990; **31:** 541
Martin N; Sterkers O; Mompoint D; Julien N; Nahum H: cholesterol granulomas of the middle ear cavities: MR imaging, Radiology 1989; **172:** 521
Martin N; Sterkers O; Murat M; et al: brain herniation into the middle ear cavity: MR imaging, Neuroradiol 1989; **31:** 184
Martin N; Sterkers O; Nahum H: chronic inflammatory disease of the middle ear cavities: Gd-DTPA–enhanced MR imaging, Radiology 1990; **176:** 399
Martin NL See **Bramble JM**
Martin NL See **Murphey MD**
Martin NL See **Robinson RG**
Martin P; Bergman P; Gillet C; et al: long-term irreversibility of bone loss after surgery for primary hyperparathyroidism, (ab), Radiology 1990; **177:** 895
Martin PA See **Smith SR**
Martin R See **Segura JM**
Martin RF See **Manson D**
Martin RG See **Allen B**
Martin RH See **O'Brien K**
Martin RS III; Meacham PW; Ditesheim JA; et al: renal artery aneurysm: selective treatment for hypertension and prevention of rupture, (ab), Radiology 1989; **172:** 887
Martin RW; Silverstein FE; Kimmey MB: 20-MHz ultrasound system for imaging the intestinal wall, Ultrasound Med Biol 1989; **15:** 273
Martin TD See **Akins EW**
Martin TR See **Griscom NT**
Martin VA See **Lund GB**
Martin WMC: radiotherapy and oncology in Papua New Guinea—how it differs from Western practice, Australas Radiol 1990; **34:** 238
Martin Del Campo MV; Strang P; Stendahl U; et al: DNA determination in endometrial carcinoma by flow and image cytometry, Acta Oncol 1989; **28:** 607
Martineau BS See **Virapongse C**
Martinelli C See **Torricelli P**
Martinench EG See **Agustin JJT**
Martinez A See **Banerian KG**
Martinez A See **Brindle JS**
Martinez A See **Clarke DH**
Martinez A See **Schray MF**
Martinez A; Sánchez M; Roselló R; et al: ultrasonic patterns observed in hepatic metastases from breast carcinoma: diagnosis and evolution, Gastrointest Radiol 1989; **14:** 49
Martinez A; Schray M; Podratz K; et al: postoperative whole abdomino-pelvic irradiation for patients with high risk endometrial cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 371
Martinez AG; Novick AC; Hayes JM: surgical treatment of renal artery stenosis after failed percutaneous transluminal angioplasty, (ab), JVIR 1991; **2:** 291
Martinez AJ See **Balsara ZN**
Martinez AJ See **Chesbrough RM**
Martinez AJ See **Hirsch WL**
Martinez AJ See **Jungreis CA**
Martinez AJ See **Legan JM**
Martinez CR See **Linden CN**
Martinez HR; Elizondo G; Herrera J; et al: basilar artery thrombosis diagnosed by MR imaging, AJNR 1989; **10:** S81
Martinez HR; Rangel-Guerra R; Elizondo G; et al: MR imaging in neurocysticercosis: a study of 56 cases, AJNR 1989; **10:** 1011
Martinez J See **Kilner PJ**
Martinez J See **Rees S**
Martinez LO See **Viamonte M**
Martinez OC; Serrano BV; Romero RR: real-time ultrasound evaluation of tuberculous pleural effusions, JCU 1989; **17:** 407
Martinez S See **Forsberg DA**
Martinez S See **Nokes SR**
Martinez S See **Wiener MD**
Martinez S; Vogler JB III; Harrelson JM; Lyles KW: imaging of tumoral calcinosis: new observations, Radiology 1990; **174:** 215
Martinez SJ See **Esquerré J-P**
Martinez V; Sissons HA: aneurysmal bone cyst: a review of 123 cases including primary lesions and those secondary to other bone pathology, (ab), Radiology 1989; **170:** 588
Martinez-Madrigal F; Vanel D; Lubolnski B; et al: case report 670, Skeletal Radiol 1991; **20:** 299
Martinez-Noguera A See **Donoso L**
Martinez-Noguera A See **Pérez CM**
Martinez-Noguera A; Mata J; Matias-Guiu X; et al: echogenic focus in the gastrointestinal wall as a sign of ulceration, Gastrointest Radiol 1989; **14:** 295
Martinez-Poyer J See **Hadlock FP**
Martinez-Tello FJ; Marcos-Robles J; Blanco-Lorenzo F: case report 520, Skeletal Radiol 1989; **18:** 55
Martini N See **Heelan RT**
Martini N; Kris MG; Gralla RJ; et al: effects of preoperative chemotherapy on the resectability of non-small cell lung carcinoma with mediastinal lymph node metastases (N2 M0), (ab), Radiology 1989; **170:** 582
Martini P See **Peretti-Viton P**
Martini P See **Salamon G**
Martinoli C See **Tomá P**
Martinoli O See **Tartaglione A**
Martins JM See **Pisco JM**
Martin-Smith P See **Mills JA**
Martinussen HJ See **Wikstrõm M**
Marton KI See **Gean-Marton AD**
Martucciello G See **Taccone A**
Marty A See **Zollikofer CL**
Martynov AV See **Danilov SM**
Martz K See **Komarnicky LT**
Martz K See **Lanciano RM**
Martz KL See **Asbell SO**
Martz KL See **Hanks GE**
Martz KL See **Laramore GE**
Martz KL See **Montana GS**
Martz KL See **Solin LJ**
Marugg S; Streule K; Hedtler W; et al: additive filtering, Br J Radiol 1990; **63:** 800
Marukawa T See **Hosoki T**
Marukawa T See **Murakami T**
Marumo F See **Sakurai K**
Maruoka A See **Fujishima H**
Maruyama K See **Brandt D**
Maruyama K See **Ikeda M**
Maruyama T See **Nishizawa K**
Maruyama Y See **Yaes RJ**
Maruyama Y; Feola JM; Wierzbicki J; et al: clinical study of relative biological effectiveness for cervical carcinoma treated by ^{252}Cf neutrons and assessed by histological tumour eradication, Br J Radiol 1990; **63:** 270
Maruyama Y; Wierzbicki J: evaluation of time-dose and fractionation for ^{252}Cf neutrons in preoperative bulky/barrel-cervix carcinoma radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1561
Maruyama Y; Wierzbicki J; Feola JM; et al: regeneration in cervix cancer after ^{252}Cf neutron brachytherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 61
Marvin WJ See **Kan JS**
Marx M; Armstrong WP; Wack JP; et al: short-duration, high-dose urokinase infusion for recanalization of occluded saphenous aortocoronary bypass grafts, AJR 1989; **153:** 167
Marx MV See **Lang EV**
Marx MV See **Middleton WD**
Marx MV See **Picus D**
Marx MV See **Wilson MW**
Marx MV; Tauscher JR; Williams DM; Greenfield LJ: evaluation of the inferior vena cava with intravascular US after Greenfield filter placement, JVIR 1991; **2:** 261
Marzullo P See **Marcassa C**
Masaki N See **Takashima S**
Masala W; Perugini S; Salvolini U; et al: multiplanar reconstructions in the study of ethmoid anatomy, Neuroradiol 1989; **31:** 151
Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ: 3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Radiology 1991; **179:** 797
Masaryk TJ See **Berns DH**
Masaryk TJ See **Haacke EM**
Masaryk TJ See **Lewin JS**
Masaryk TJ See **Masaryk AM**
Masaryk TJ See **Ross JS**
Masaryk TJ See **Ruggieri PM**
Masaryk TJ See **Wiznitzer M**
Masaryk TJ: neoplastic disease of the spine, Radiol Clin North Am 1991; **29:** 829
Masaryk TJ; Laub GA; Modic MT; et al: carotid-CNS MR flow imaging, Magn Res Med 1990; **14:** 308
Masaryk TJ; Modic MT; Ross JS; Ruggieri PM; Laub GA; Lenz GW; Haacke EM; Selman WR; Wiznitzer M; Harik SI: intracranial circulation: preliminary clinical results with three-dimensional (volume) MR angiography, Radiology 1989; **171:** 793
Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI: three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Radiology 1989; **171:** 801
Masatoshi I See **Mejia AA**
Mascalchi M See **Ciraolo L**
Mascalchi M See **Dal Pozzo G**
Mascalchi M; Arnetoli G; Dal Pozzo G; et al: spinal epidural angiolipoma: MR findings, AJNR 1991; **12:** 744

Mascalchi M; Ciraolo L; Bucciolini M; et al: fast multiphase MR imaging of aqueductal CSF flow: 2. study in patients with hydrocephalus, AJNR 1990; **11:** 597
Mascalchi M; Dal Pozzo G: mottled MR appearance of a hyperacute intracerebral hemorrhage at 0.5 T, JCAT 1990; **14:** 818
Mascalchi M; Ragazzoni A; Dal Pozzo G: pontine hydatid cyst in association with an acoustic neurinoma: MR appearance in an unusual case, AJNR 1991; **12:** 78
Masclee AAM; Hopman WPM; Corstens FHM; Rosenbusch G; Jansen JBMJ; Lamers CBHW: simultaneous measurement of gallbaldder emptying with cholescintigraphy and US during infusion of physiologic doses of cholecystokinin: a comparison, Radiology 1989; **173:** 407
Masdeu JC See **Yudd AP**
Masdeu JC; Yudd A; Van Heertum L; et al: single-photon emission computed tomography in human immunodeficiency virus encephalopathy: a preliminary report, J Nucl Med 1991; **32:** 1471
Masel J See **Azouz EM**
Masel J See **Osborne J**
Masetti R See **Magistrelli P**
Maskell TW; Finlay DBL: prognostic significance of radiologically detected knee joint effusions in the absence of associated fracture, Br J Radiol 1990; **63:** 940
Maskovic J See **Hebrang A**
Maslack MM See **Agrons GA**
Maslack MM See **Foley M**
Maslin SC See **Cox JGC**
Mason A See **Spencer J**
Mason GR See **Mishkin FS**
Mason KA See **McBride WH**
Mason MD; Zlatkin MB; Esterhai JL; Dalinka MK; Velchik MG; Kressel HY: chronic complicated osteomyelitis of the lower extremity: evaluation with MR imaging, Radiology 1989; **173:** 355
Mason MK See **Foster FS**
Mason P See **Greco A**
Mason RA See **Kvilekval KHV**
Mason RP See **Babcock EE**
Mason RP; Nunnally RL; Antich PP: tissue oxygenation: a novel determination using ^{19}F surface coil NMR spectroscopy of sequestered perfluorocarbon emulsion, Magn Res Med 1991; **18:** 71
Mason WF See **Campbell DR**
Massagli TL; Gardenas DD; Kelly EW: experience with portable ultrasound equipment and measurement of urine volumes: inter-user reliability and factors of patient position, (ab), Radiology 1990; **175:** 589
Massardo T; Gal RA; Grenier RP; et al: left ventricular volume calculation using a count-based ratio method applied to multigated radionuclide angiography, J Nucl Med 1990; **31:** 450
Massaro BM See **Erickson SJ**
Massee DR; Smith DC; Westengard JC; Bull BS: heparin supplementation of nonionic contrast agents, JVIR 1991; **2:** 209
Massey BT See **Dantas RO**
Massey EW See **Uglietta JP**
Massey V See **Mandell LR**
Massey V; Wallner KE: patterns of second recurrence of malignant astrocytomas, Int J Radiat Oncol Biol Phys 1990; **18:** 395
Massi AF See **Groskin SA**
Masson C See **Martin N**
Masson S See **Desmoulin F**
Massoud TF: zones of increased perfusion (hot spots) on perfusion lung scans, Radiology 1990; **175:** 286
Massoud TF; Gibson RJ; Nolan DJ: case report: persistent colonic spasm concealing a carcinoma—an uncommon diagnostic pitfall of the barium enema examination, Clin Radiol 1991; **43:** 417
Massoud TF; Nolan DJ: morning or afternoon barium meal? diurnal variation and the effectiveness of gastric mucosal coating during double-contrast studies, Clin Radiol 1990; **42:** 407
Massuger LFAG; Kenemans P; Claessens RAM]; et al: immunoscintigraphy of ovarian cancer with indium-111-labeled OV-TL 3 $F(ab')_2$ monoclonal antibody, J Nucl Med 1990; **31:** 1802
Masterson J See **Hayes R**
Masterson J See **Logan H**
Masterson ME; Barest G; Chui C-S; et al: interinstitutional experience in verification of external photon dose calculations, Int J Radiat Oncol Biol Phys 1991; **21:** 37
Mastik F See **Rijsterborgh H**
Mastin ST See **Li KCP**
Mastrobattista JD See **Austin JHM**
Masucci EF; Borts FT; Kurtzke JF: CT brainstem abnormalities in the differential diagnosis of Huntington's disease, Comput Med Imag Graph 1990; **14:** 205
Masucci G See **Wersäll P**
Masuda S See **Kitagawa K**
Masui T See **Caputo GR**
Masui T See **Saeed M**
Masui T; Saeed M; Wendland MF; Higgins CB: occlusive and reperfused myocardial infarcts: MR imaging differentiation with nonionic Gd-DTPA-BMA, Radiology 1991; **181:** 77
Masui T; Seelos KC; Kersting-Sommerhoff BA; Higgins CB: abnormalities of the pulmonary veins: evaluation with MR imaging and comparison with cardiac angiography and echocardiography, Radiology 1991; **181:** 645
Masuike M See **Hosoki T**
Masunaga S-i; Abe M; Imura T; et al: hepatic abscess secondary to a fishbone penetrating the gastric wall: CT demonstration, Comput Med Imag Graph 1991; **15:** 113
Masur H See **Feuerstein IM**
Masur H; Lane HC; Kovacs JA; et al: pneumocystis pneumonia: from bench to clinic, (ab), Radiology 1990; **175:** 883
Masuyama S See **Minami M**
Mata J See **Martinez-Noguera A**
Mata JM See **Cáceres J**
Mata JM See **Marti-Bonmati L**
Mata JM; Cáceres J; Alegret X; et al: imaging of the Azygos lobe: normal anatomy and variations, AJR 1991; **156:** 931
Mata JM; Cáceres J; Llauger J; et al: CT demonstration of intrapulmonary right brachiocephalic vein associated with an azygos lobe, JCAT 1990; **14:** 305
Mata JM; Cáceres J; Lucaya J; García-Conesa JA: CT of congenital malformations of the lung, Radiographics 1990; **10:** 651
Mata JM; Cáceres J; Prat J; et al: intravascular bronchio-alveolar tumor: radiographic findings, Eur J Radiol 1991; **12:** 95
Mata JM; Cáceres J; Senac JP; Giron J; Alegret X: general case of the day, Radiographics 1991; **11:** 716
Mata MI See **Ferreirós J**
Matalon T See **Hunter DW**
Matalon TAS See **Bisceglia M**
Matalon TAS See **LaRoy LL**
Matalon TAS See **Lowe GM**
Matalon TAS See **Metzger TS**
Matalon TAS See **Silver B**
Matalon TAS; Silver B: US guidance of interventional procedures, Radiology 1990; **174:** 43
Matalon TAS; Thompson MJ; Patel SK; Ramos MV; Jensik SC; Merkel FK: percutaneous treatment of urine leaks in renal transplantation patients, Radiology 1990; **174:** 1049
Matamoros A Jr See **Kaplan PA**
Matasar K See **Edwards MG**
Matasar K See **Kumar R**
Materese E See **Weinberger J**
Matheijssen NAA See **de Roos A**
Matheijssen NAA See **van Dijkman PRM**
Matheijssen NAA; de Roos A; van der Wall EE; et al: acute myocardial infarction: comparison of T2-weighted and T1-weighted gadolinium-DTPA enhanced MR imaging, Magn Res Med 1991; **17:** 460
Mather SJ; Ellison D: reduction-mediated technetium-99m labeling of monoclonal antibodies, J Nucl Med 1990; **31:** 692
Mathews RE See **Abraham G**
Mathews V See **McGhee RB Jr**
Mathews VP; Broome DR; Smith RR; et al: neuroimaging of disseminated germ cell neoplasms, AJNR 1990; **11:** 319
Mathews VP; Broome DR; Smith RR; et al: neuroimaging of disseminated germ cell neoplasms, AJR 1990; **154:** 1299
Mathewson J See **Yip T-CK**
Mathiak LM See **Dorros G**
Mathias CJ See **Chesis PL**
Mathias CJ See **Hwang D-R**
Mathias CJ See **Shelton ME**
Mathias CJ; Welch MJ; Green MA; et al: in vivo comparison of copper blood-pool agents: potential radiopharmaceuticals for use with copper-62, J Nucl Med 1991; **32:** 475
Mathias CJ; Welch MJ; Raichle ME; et al: evaluation of a potential generator-produced PET tracer for cerebral perfusion imaging: single-pass cerebral extraction measurements and imaging with radiolabeled Cu-PTSM, J Nucl Med 1990; **31:** 351
Mathiesen FK See **Larsen CF**
Mathiesen O; Carl J; Bonderup O; et al: axillary sampling and the risk of erroneous staging of breast cancer: an analysis of 960 consecutive patients, Acta Oncol 1990; **29:** 721
Mathiesen T; Zayer M: prognostic algorithm for assessment of subcapital femoral neck fractures, Acta Radiol 1989; **30:** 639
Mathieson JR See **Müller NL**
Mathieson JR; Mayo JR; Staples CA; Müller NL: chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Radiology 1989; **171:** 111
Mathieson JR; So CB; Malone DE; et al: accuracy of sonography for determining the number and size of gallbladder stones before and after lithotripsy, AJR 1989; **153:** 977
Mathieu D See **Dao TH**
Mathieu D; Guigui B; Valette PJ; et al: pancreatic cystic neoplasms, Radiol Clin North Am 1989; **27:** 163
Mathieu D; Rahmouni A; Anglade M-C; Falise B; Beges C; Gheung P; Mollet JJ; Vasile N: focal nodular hyperplasia of the liver: assessment with contrast-enhanced turboFLASH MR imaging, Radiology 1991; **180:** 25
Mathis CA See **Grierson JR**
Mathisen DJ See **Grillo HC**
Mathisen DJ See **Heitmiller RF**
Mathisen Ø See **Abildgaard A**
Mathisen Ø See **Aspestrand F**
Mathurin J; Lallemand D: splenosis simulating an abdominal lymphoma, Pediatr Radiol 1990; **21:** 69
Mathurin P See **Boulanger T**
Mathurin P See **Hulcelle PJ**
Mathurin P See **Poncelet V**
Matias-Guiu X See **Martinez-Noguera A**
Matikainen M See **Pukander J**
Matlak ME See **Jaffe RB**
Matley PJ; Beningfield SJ; Lourens S; et al: successful treatment of infected thoracoabdominal aortic graft by percutaneous catheter drainage, (ab), Radiology 1991; **181:** 294
Maton F See **Muller RN**
Maton PN See **Doppman JL**
Maton PN See **Frucht H**
Maton PN See **London JF**
Matorras R See **Burgos FJ**
Matos C See **Van Gansbeke D**
Matoso I See **Poon T**
Matozza F See **Marsot-Dupuch K**
Matsen FA III See **Kilcoyne RF**
Matson GB See **Hubesch B**
Matson GB See **Karczmar GS**
Matson GB See **Lawry TJ**
Matson MA; Cohen RP: acquired cystic kidney disease: occurrence, prevalence, and renal cancers, (ab), Radiology 1991; **178:** 588
Matsuba K See **Kuwano K**
Matsubara O; Tan-Liu NS; Kenney RM; et al: inflammatory pseudotumors of the lung: progression from organizing pneumonia to fibrous histiocytoma or to plasma cell granuloma in 32 cases, (ab), Radiology 1989; **170:** 288
Matsuda H See **Tonami N**
Matsuda H; Higashi S; Kinuya K; et al: SPECT evaluation of brain perfusion reserve by the acetazolamide test using Tc-99m HMPAO, Clin Nucl Med 1991; **16:** 572
Matsuda H; Oskoie SD; Kinuya K; et al: Tc-99m HMPAO brain perfusion tomography atlas using a high resolution SPECT system, Clin Nucl Med 1990; **15:** 428
Matsuda H; Tsuji S; Oba H; et al: autoradiographic analysis of iodoamphetamine redistribution in experimental brain ischemia, J Nucl Med 1990; **31:** 660
Matsuda M See **Tonami H**
Matsuda T See **Doyle M**
Matsuda T See **Hayakawa K**
Matsuda T See **Mulligan SA**
Matsuda T; Doyle M; Pohost GM: direct projective time-of-flight NMR angiography within 4 s, Magn Res Med 1991; **18:** 395
Matsueda GR See **Kanke M**
Matsui K See **Takebayashi S**
Matsui O See **Arai K**
Matsui O See **Demachi H**
Matsui O See **Gabata T**
Matsui O See **Kadoya M**
Matsui O See **Kitagawa K**
Matsui O See **Motoo Y**
Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Arai K; Gabata T; Takashima T; Nakanuma Y; Terada T; Ida M: adenomatous hyperplastic nodules in the cirrhotic liver: differentiation from hepatocellular carcinoma with MR imaging, Radiology 1989; **173:** 123
Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Takashima T; Nakanuma Y; Unoura M; Kobayashi K; Izumi R; Ida M; Kitagawa K: benign and malignant nodules in cirrhotic livers: distinction based on blood supply, Radiology 1991; **178:** 493
Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S: intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Radiology 1989; **171:** 335
Matsui T See **Matsumoto T**
Matsui T See **Suekane H**
Matsui T See **Tada S**
Matsui T; Iida M; Tada S; et al: value of double-contrast barium enema in amebic colitis, Gastrointest Radiol 1989; **14:** 73
Matsukawa M See **Saita H**

Matsumae M; Oz MC; Lemole GM: flexible sutureless intraluminal graft that becomes rigid after placement in the aorta, (ab), JVIR 1991; **2:** 292
Matsumori A See **Tamaki N**
Matsumoto AH See **Barth KH**
Matsumoto AH See **Baum PA**
Matsumoto AH See **Nelson MC**
Matsumoto AH See **Teitelbaum GP**
Matsumoto AH See **Zito AJ**
Matsumoto AH; Barth KH; Lutz RJ; Miller DL: hepatic artery model for evaluating the distribution of intraarterial chemotherapy infusion: nonpulsed versus pulsed infusions, Radiology 1989; **170:** 1077
Matsumoto AH; Barth KH; Teitelbaum GP: percutaneous management of emboli associated with hot tip laser-assisted angioplasty, Cardiovasc Intervent Radiol 1990; **13:** 71
Matsumoto AH; Barth KH; Teitelbaum GP; Kremers PW: self-contained, coaxial delivery system for intraarterial infusion of thrombolytic agents, Radiology 1990; **174:** 1056
Matsumoto AH; Baum PA; Barth KH; et al: triple catheter aortoiliac angioplasty in a patient with a horseshoe kidney: technical note, Cardiovasc Intervent Radiol 1989; **12:** 334
Matsumoto AH; Teitelbaum GP; Barth KH; Carvlin MJ; Savin MA; Strecker EP: tantalum vascular stents: in vivo evaluation with MR imaging, Radiology 1989; **170:** 753
Matsumoto AH; Teitelbaum GP; Carvlin MJ; et al: gadolinium enhanced MR imaging of vascular stents, JCAT 1990; **14:** 357
Matsumoto F; Yoshioka H; Hamada T; et al: struma ovarii: CT and MR findings, JCAT 1990; **14:** 310
Matsumoto J See **Strife JL**
Matsumoto J; Han BK; Restrepo de Rovetto C; et al: hypercalciuric Bartter syndrome: resolution of nephrocalcinosis with indomethacin, AJR 1989; **152:** 1251
Matsumoto J; Towbin RB; Ball WS Jr: cranial chordomas in infancy and childhood. a report of two cases and review of the literature, Pediatr Radiol 1989; **20:** 28
Matsumoto JS; Babcock DS; Brody AS; Weiss RG; Ryckman FG; Hiyama D: right common carotid artery ligation for extracorporeal membrane oxygenation: cerebral blood flow velocity measurement with Doppler duplex US, Radiology 1990; **175:** 757
Matsumoto K See **Fujibayashi Y**
Matsumoto K See **Ishii K**
Matsumoto M See **Kojima A**
Matsumoto M See **Sato N**
Matsumoto S See **Miyake H**
Matsumoto S See **Mori H**
Matsumoto S See **Morita S**
Matsumoto S See **Otsuka S-I**
Matsumoto T See **Ohara S**
Matsumoto T; Iida M; Matsui T; et al: ultrasonic and CT findings in penicillin-induced nonpseudomembranous colitis, Gastrointest Radiol 1990; **15:** 329
Matsumoto T; Iida M; Matsui T; et al: value of double-contrast study of the small intestine in immunoproliferative small intestinal disease, Gastrointest Radiol 1990; **15:** 159
Matsumoto T; Iida M; Sakai T; et al: *Yersinia* terminal ileitis: sonographic findings in eight patients, AJR 1991; **156:** 965
Matsumoto T; Okamura T; Rajyaguru V: laser arterial disobstructive procedures in 148 lower extremities, (ab), Radiology 1990; **175:** 291
Matsumura K; Nakano I; Fukuda N; et al: Duchenne muscular dystrophy carriers: proton spin-lattice relaxation times of skeletal muscles on magnetic resonance imaging, Neuroradiol 1989; **31:** 373
Matsumura K; Uno Y; Scheffel U; et al: in vitro and in vivo characterization of 4-[^{125}I]iododexetimide binding to muscarinic cholinergic receptors in the rat heart, J Nucl Med 1991; **32:** 76
Matsumura Y See **Inoue Y**
Matsunaga N; Hayashi K; Aikawa H; et al: paravertebral arteriovenous malformation with venous connection to left iliac vein: report of a case, Acta Radiol 1989; **30:** 487
Matsuno T: benign fibrous histiocytoma involving the ends of long bone, Skeletal Radiol 1990; **19:** 561
Matsuno Y See **Yamashita Y**
Matsuo M See **Miki Y**
Matsuo M See **Otake S**
Matsuo N See **Uchida H**
Matsuo N See **Umezawa T**
Matsuo S See **Ishii K**
Matsuoka DT See **Jacobson AF**
Matsuoka S See **Hashimoto M**
Matsuoka Y See **Tsujii H**
Matsushita M See **Hori S**
Matsuura K See **Katayama H**
Matsuura K See **Yamaguchi K**
Matsuura P; Waters RL; Adkins RH; et al: comparison of computerized tomography parameters of the cervical spine in normal control subjects and spinal cord-injured patients, (ab), Radiology 1989; **173:** 294
Matsuyama S See **Kuribayashi S**
Matsuzawa T See **Abe Y**
Matsuzawa T See **Fujiwara T**
Matsuzawa T See **Kubota K**
Matsuzuka F See **Takashima S**
Mattar AG See **Hurwitz GA**
Mattera JA See **Koster K**
Matteucci T See **Levin DC**
Matteucci T See **Rifkin MD**
Matthaei D See **Haase A**
Matthaei D; Haase A; Henrich D; Dühmke E: cardiac and vascular imaging with an MR snapshot technique, Radiology 1990; **177:** 527
Matthay MA See **Aberle DR**
Matthay MA; Wiener-Kronish JP: intact epithelial barrier function is critical for the resolution of alveolar edema in humans, (ab), Radiology 1991; **179:** 884
Matthay RA; Coppage L; Shaw C; et al: malignancies metastatic to the pleura, Invest Radiol 1990; **25:** 601
Matthay RA; Shub C: imaging techniques for assessing pulmonary artery hypertension and right ventricular performance with special reference to COPD, J Thorac Imag 1990; **5-3:** 47
Matthes JD See **Nguyen VD**
Matthew DJ See **Kennedy CD**
Matthews J See **Waterman FM**
Matthews JF: bone and joint imaging, Radiology 1990; **175:** 666
Matthews JF: chest radiographic analysis, Radiology 1990; **175:** 720
Matthews JF: nuclear cardiovascular imaging: current clinical practice, Radiology 1991; **179:** 54
Matthews JF: practical color atlas of sectional anatomy, Radiology 1991; **179:** 698
Matthews JF: practical nuclear medicine, Radiology 1991; **179:** 54
Matthews JF: primer of sectional anatomy with MRI and CT correlation, Radiology 1991; **179:** 698
Matthews JHL; Meeker BE; Chapman JD: response of human tumor cell lines *in vitro* to fractionated irradiation, Int J Radiat Oncol Biol Phys 1989; **16:** 133
Matthews MJ See **Hirsch FR**
Matthews PM See **Arnold DL**
Matthews RJ; Lightfoote J; Grusd RS: constrictive pericarditis causing a positive Tl-201 SPECT stress test for myocardial ischemia, Clin Nucl Med 1990; **15:** 548
Matthiesen S See **Simon TR**
Mattiello J; Evelhoch JL: relative volume-average murine tumor blood flow measurement via deuterium nuclear magnetic resonance spectroscopy, Magn Res Med 1991; **18:** 320
Mattila KJ See **Takala JK**
Mattingly MA See **Altbach MI**
Mattle HP See **Edelman RR**
Mattle HP See **Finn JP**
Mattle HP See **Wentz KU**
Mattle HP; Edelman RR; Wentz KU; Reis MA; Atkinson DJ; Ellert T: middle cerebral artery: determination of flow velocities with MR angiography, Radiology 1991; **181:** 527
Mattle HP; Wentz KU; Edelman RR; Wallner B; Finn JP; Barnes P; Atkinson DJ; Kleefield J; Hoogewoud HM: cerebral venography with MR, Radiology 1991; **178:** 453
Mattox JH; Kolb DJ; Goggin MW; et al: heterotopic pregnancy diagnosed by endovaginal scanning, JCU 1989; **17:** 523
Mattrey R See **André M**
Mattrey RF See **Coley BD**
Mattrey RF See **Fitzmorris-Glass R**
Mattrey RF See **Hayward I**
Mattrey RF See **Hilpert PL**
Mattrey RF See **Johnson JO**
Mattrey RF See **Lin MC**
Mattrey RF See **Schwaighofer BW**
Mattrey RF See **Trambert MA**
Mattrey RF: magnetic resonance imaging of the scrotum, Semin US CT MR 1991; **12:** 95
Mattrey RF: perfluorooctylbromide: a new contrast agent for CT, sonography, and MR imaging, AJR 1989; **152:** 247
Mattrey RF: potential role of perfluorooctylbromide in the detection and characterization of liver lesions with CT, Radiology 1989; **170:** 18
Mattrey RF: sonographic enhancement of Doppler signals and perfused tissues with perfluorooctylbromide, Invest Radiol 1990; **25:** S158
Mattrey RF; Nemcek AA Jr; Shelton R; et al: in vivo estimation of perfluorooctylbromide concentration in tissues, Invest Radiol 1990; **25:** 915
Mattson K See **Maasilta P**
Mattsson B See **Rutqvist LE**
Mattsson B See **Ullén H**
Mattsson O: foot-fixator for exact imaging reproducibility in lower extremity radiography, Acta Radiol 1989; **30:** 335
Mattsson O; Svensson H; Wickman G; et al: absorbed dose in water: comparison of several methods using a liquid ionization chamber, Acta Oncol 1990; **29:** 235
Mattsson S See **Geterud K**
Mattsson S See **Jonson R**
Mattsson S See **Ragnhult I**
Mattsson TA See **Sharif HS**
Matuoka Y See **Ohtomo K**
Matwiyoff NA See **Griffey RH**
Matwiyoff NA; Gasparovic C; Mazurchuk R; et al: on the origin of paramagnetic inhomogeneity effects in whole blood, Magn Res Med 1991; **20:** 144
Matys R See **Schuhmacher J**
Matz SO See **Reeder JD**
Matzku S; Kirchgessner H; Schmid U; et al: melanoma targeting with a cocktail of monoclonal antibodies to distinct determinants of the human HMW-MAA, J Nucl Med 1989; **30:** 390
Maublant JC See **He Z-X**
Maublant JC; Peycelon P; Kwiatkowski F; et al: comparison between 180° and 360° data collection in technetium-99m MIBI SPECT of the myocardium, J Nucl Med 1989; **30:** 295
Mauch P See **Tarbell NJ**
Maudsley AA; Twieg DB; Sappey-Marinier D; et al: spin echo ^{31}P spectroscopic imaging in the human brain, Magn Res Med 1990; **14:** 415
Maughan TS See **Bleehen NM**
Maughan TS See **Workman P**
Maughan TS; Newman HFV; Bleehen NM; et al: abnormal clinical pharmacokinetics of the developmental radiosensitizers pimonidazole (Ro 03-8799) and etanidazole (SR 2508), Int J Radiat Oncol Biol Phys 1990; **18:** 1151
Mauguiere F See **Froment JC**
Maulik D See **Downing GJ**
Maulik D See **Yarlagadda P**
Maulik D; Yarlagadda P; Nathanielsz PW; et al: hemodynamic validation of Doppler assessment of fetoplacental circulation in a sheep model system, J Ultrasound Med 1989; **8:** 177
Maupin WB See **Naul LG**
Maupin WB; Naul LG; Kanter SL; et al: synovial cyst presenting as a neural foraminal lesion: MR and CT appearance, AJR 1989; **153:** 1231
Mauran P See **Vaksmann G**
Maurer AH See **Knight LC**
Maurer AH See **Siegel JA**
Maurer AH; Knight LC; Siegel JA; et al: paramagnetic pyrophosphate: preliminary studies on magnetic resonance contrast enhancement of acute myocardial infarction, Invest Radiol 1990; **25:** 153
Maurer AH; Paczolt EA; Myers AR: diagnosis of traumatic myositis of the intrinsic muscles of the hand by the use of three-phase skeletal scintigraphy, Clin Nucl Med 1990; **15:** 535
Maurer AH; Siegel JA; Comerota AJ; et al: SPECT quantification of cerebral ischemia before and after carotid endarterectomy, J Nucl Med 1990; **31:** 1412
Maurer H See **Simma B**
Maurer H-J: peculiar contrast medium incident, Eur J Radiol 1989; **9:** 133
Maurer PK See **Kutcher TJ**
Maurer T See **Beck-Bornholdt H-P**
Mauriat P See **Mani TM**
Maurice HD; Watt I: technetium-99m hydroxymethylene diphosphonate scanning of acute injuries to the lateral ligaments of the ankle, Br J Radiol 1989; **62:** 31
Mauro MA See **Dick L**
Mauro MA See **Robards JB**
Mauro MA See **Robertson LJ**
Mauro MA See **Warshauer DM**
Mauro MA; Stackhouse DJ; Parker LA; et al: computed tomography of hepatic venous hypertension: the reticulated-mosaic pattern, Gastrointest Radiol 1990; **15:** 35
Maury CPJ: β_2-microglobulin amyloidosis: a systemic amyloid disease affecting primarily synovium and bone in long-term dialysis patients, (ab), Radiology 1990; **176:** 887
Maus TP See **Ward Emd**
Maves CK See **Shiels WE II**
Maves CK; Johnson JF; Bove K; Malott RL: gastric inflammatory pseudotumor in children, Radiology 1989; **173:** 381
Mavroudakis N See **Rodesch G**
Mawad ME; Rivera V; Crawford S; et al: spinal cord ischemia after resection of thoracoabdominal aortic aneurysms: MR findings in 24 patients, AJNR 1990; **11:** 987
Mawad ME; Rivera V; Crawford S; et al: spinal cord ischemia after resection of thoracoabdominal aortic aneurysms: MR findings in 24 patients, AJR 1990; **155:** 1303

Mawad MM See Bryan RN
Mawson JB See Müller NL
Maxner CE See Digre KB
Maxon HR III; Schroder LE; Thomas SR; Hertzberg VS; Deutsch EA; Scher HI; Samaratunga RC; Libson KF; Williams CC; Moulton JS; Schneider HJ: Re-186(Sn) HEDP for treatment of painful osseous metastases: initial clinical experience in 20 patients with hormone-resistant prostate cancer, Radiology 1990; **176:** 155
Maxwell AJ See Clarke NW
Maxwell AJ; Boggis CRM; Sambrook P: computed tomographic peritoneography in the investigation of abdominal wall and genital swelling in patients on continuous ambulatory peritoneal dialysis, Clin Radiol 1990; **41:** 100
Maxwell AJ; Mamtora H: sonographic appearance of epidermoid cyst of the testis, JCU 1990; **18:** 188
Maxwell DD See Rodman DJ
Maxwell G See Davis M
Maxwell JD See Saverymuttu SH
Maxwell RJ; Frenkiel TA; Newell DR; et al: ^{19}F nuclear magnetic resonance imaging of drug distribution *in vivo*: the disposition of an antifolate anticancer drug in mice, Magn Res Med 1991; **17:** 189
Maxwell RJ; Workman P; Griffiths JR: demonstration of tumor-selective retention of fluorinated nitroimidazole probes by ^{19}F magnetic resonance spectroscopy *in vivo*, Int J Radiat Oncol Biol Phys 1989; **16:** 925
May B: JRCERT site evaluators, Radiology 1989; **172:** 278
May GL; Sztelma K; Sorrell TC; et al: comparison of human polymorphonuclear leukocytes from peripheral blood and purulent exudates by high resolution ^1H MRS, Magn Res Med 1991; **19:** 191
May JS See Howard JD
May M See Tabor EK
May SR See vanSonnenberg E
Maybaum J See Lawrence TS
Mayberg HS See Meltzer CC
Maycher B See Long R
Mayekawa DS See Ralls PW
Mayekawa DS; Ralls PW; Kerr RM; et al: sonographically guided arthrocentesis of the hip, J Ultrasound Med 1989; **8:** 665
Mayer DP See Brooks ML
Mayer J-C See Vuillez J-P
Mayer L See Klein S
Mayer PL; Kier EL: controversy of the periventricular white matter circulation: a review of the anatomic literature, AJNR 1991; **12:** 223
Mayer R See Hartman C
Mayfrank L; Mohadjer M; Wullich B: intracranial calcified deposits in neurofibromatosis type 2: a CT study of 11 cases, Neuroradiol 1990; **32:** 33
Maylin C See Baillet F
Mayman C See Edelman RR
Maynar M; Reyes R; Cabrera V; Roman M; Pulido JM; Castaneda F; Letourneau JG; Castaneda-Zuniga WR: percutaneous atherectomy as an alternative treatment for postangioplasty obstructive intimal flaps, Radiology 1989; **170:** 1029
Maynard CD: future diagnostic radiology manpower needs, Invest Radiol 1990; **25:** 335
Maynard CD; Witcofski RL; Putman CE; et al: research directions in diagnostic imaging, Invest Radiol 1990; **25:** 101
Maynard N See Lee T
Mayne V See John PR
Mayne V See Leighton DM
Maynor CH; Charles HC; Herfkens RJ; et al: chemical shift imaging of atherosclerosis at 7.0 tesla, Invest Radiol 1989; **24:** 52
Mayo A; Rawles J: comparison of four different Doppler instruments used to measure linear and volumetric cardiac output: a study of reproducibility and agreement, Ultrasound Med Biol 1991; **17:** 347
Mayo J See Semelka RC
Mayo JR See Dawson WB
Mayo JR See Mathieson JR
Mayo JR See Müller NL
Mayo JR See Zwirewich CV
Mayo JR: high resolution computed tomography: technical aspects, Radiol Clin North Am 1991; **29:** 1043
Mayo JR: high-resolution computed tomography technique, Semin Roentgenol 1991; **26:** 104
Mayo JR; Culham JAG; MacKay AL; Aikins DG: blood MR signal suppression by preexcitation with inverting pulses, Radiology 1989; **173:** 269
Mayo JR; Müller NL; Forster BB; et al: magnetic resonance imaging of hydrostatic pulmonary edema in isolated dog lungs: comparison with computed tomography, J Canad Assoc Radiol 1990; **41:** 281
Mayo JR; Müller NL; Road J; et al: chronic eosinophilic pneumonia: CT findings in six cases, AJR 1989; **153:** 727
Mayo JR; Roberson D; Sommerhoff B; et al: MR imaging of double outlet right ventricle, JCAT 1990; **14:** 336
Mayock RL See Shapiro MJ
Mayo-Smith W See Banskota AK
Mayo-Smith W See Rosenthal DI
Mayo-Smith W; Hayes CW; Biller BMK; Klibanski A; Rosenthal H; Rosenthal DI: body fat distribution measured with CT: correlations in healthy subjects, patients with anorexia nervosa, and patients with Cushing syndrome, Radiology 1989; **170:** 515
Mayo-Smith W; Rosenthal DI: radiographic appearance of osteopenia, Radiol Clin North Am 1991; **29:** 37
Mayo-Smith W; Rosenthal DI; Goodsitt MM; Klibanski A: intravertebral fat measurement with quantitative CT in patients with Cushing disease and anorexia nervosa, Radiology 1989; **170:** 835
Mayo-Smith W; Rosenthal DI; Kattapuram SV; et al: case report 542, Skeletal Radiol 1989; **18:** 245
Mayr B See Fink U
Mayr B; Ingrisch H; Häussinger K; Huber RM; Sunder-Plassmann L: tumors of the bronchi: role of evaluation with CT, Radiology 1989; **172:** 647
Mazer M See James AE Jr
Mazeron J-J See Crook JM
Mazeron JJ; Crook JM; Benck V; et al: iridium 192 implantation of T1 and T2 carcinomas of the mobile tongue, Int J Radiat Oncol Biol Phys 1990; **19:** 1369
Mazeron JJ; Crook JM; Marinello G; et al: prognostic factors of local outcome for T1, T2 carcinomas of oral tongue treated by iridium 192 implantation, Int J Radiat Oncol Biol Phys 1990; **19:** 281
Mazeron JJ; Grimard L; Raynal M; et al: iridium-192 curietherapy for T1 and T2 epidermoid carcinomas of the floor of mouth, Int J Radiat Oncol Biol Phys 1990; **18:** 1299
Mazess RB See Gundry CR
Mazess RB; Barden HS; Ettinger M: radial and spinal bone mineral density in a patient population, (ab), Radiology 1989; **170:** 903
Mazoujian G See Surratt JT
Mazoyer BM See Joliot M
Mazoyer J-F; Kohler R; Bossard D: osteoid osteoma: CT-guided percutaneous treatment, Radiology 1991; **181:** 269
Mazur MT See Rubin E
Mazurchuk R See Matwiyoff NA
Mazzarotto P See Gaudio C
Mazzeo AR; Levy GC: evaluation of new processing protocols for *in vivo* NMR spectroscopy, Magn Res Med 1991; **17:** 483
Mazzucco A See Bortolotti U
Meacham PW See Martin RS III
Mead GO; Thomas LR Jr; Jackson JG: renal oncocytoma: report of a case with bilateral multifocal oncocytomas, Clin Imag 1990; **14:** 231
Meairs S See Einig M
Mealey J Jr See Shapiro S
Meaney TF See Bryan RN
Meaney TF See Ng TC
Meaney TF: decline of diagnostic radiology: call to action. 1989 Dotter lecture, Radiology 1989; **172:** 889
Meaney TF: invasive radiology, Radiographics 1989; **9:** 1181
Meanock CI See Saverymuttu SH
Meary E See Mendelson DS
Mease RC See DeSombre ER
Mechkov G See Todorov T
Mechling JA See Ryan TP
Mechlis-Frish S See Katz K
Medearis AL See Brar HS
Medeiros LJ; Doos WG; Balogh K: esophageal intramural pseudodiverticulosis: a report of two cases with analysis of similar, less extensive changes in "normal" autopsy esophagi, (ab), Radiology 1989; **170:** 286
Medellin GJ; Di Sessa TG; Tonkin ILD: interventional catheterization in congenital heart disease, Radiol Clin North Am 1989; **27:** 1223
Medendorp SV See Belfi CA
Meder JF See Missir O
Medina A; Bethencourt A; Coello I; et al: combined percutaneous mitral and aortic balloon valvuloplasty, (ab), Radiology 1990; **175:** 589
Medina A; Bethencourt A; Coello I; et al: new type of adjustable vascular introducer for balloon valvuloplasty: technical note, Cardiovasc Intervent Radiol 1989; **12:** 169
Medina A; Bethencourt A; Olalla E; et al: intraoperative balloon valvuloplasty in pulmonary valve stenosis, Cardiovasc Intervent Radiol 1989; **12:** 199
Medina AJ See Houdek PV
Medina L; Chi TL; DeVivo DC; et al: MR findings in patients with subacute necrotizing encephalomyelopathy (Leigh syndrome): correlation with biochemical defect, AJNR 1990; **11:** 379
Medina L; Chi TL; DeVivo DC; et al: MR findings in patients with subacute necrotizing encephalomyelopathy (Leigh syndrome): correlation with biochemical defect, AJR 1990; **154:** 1269
Meding CJ: treatment planning and dose calculation in radiation oncology. 4th ed, Radiology 1990; **176:** 398
Medoff-Cooper B See Younkin D
Medwid SW See Megibow AJ
Mee SL; McAninch JW; Robinson AL; et al: radiographic assessment of renal trauma: a 10-year prospective study of patient selection, (ab), Radiology 1989; **173:** 587
Meehan S See Lee MJ
Meek AG; Park TL; Oberman E; et al: prospective study of prostate specific antigen levels in patients receiving radiotherapy for localized carcinoma of the prostate, Int J Radiat Oncol Biol Phys 1990; **19:** 733
Meeker BE See Chapman JD
Meeker BE See Matthews JHL
Meenakshi A See Udayachander M
Meerdink DJ See Leppo JA
Meerdink DJ; Leppo JA: comparison of hypoxia of ouabain effects on the myocardial uptake kinetics of technetium-99m hexakis 2-methoxyisobutyl isonitrile and thallium-201, J Nucl Med 1989; **30:** 1500
Meertens H; van Herk M; Bijhold J; et al: first clinical experience with a newly developed electronic portal imaging device, Int J Radiat Oncol Biol Phys 1990; **18:** 1173
Meerwaldt JH See Henry-Amar M
Meerwaldt JH See Veeze-Kuijpers B
Meerwaldt JH; Hoekstra CJM; van Putten WLJ; et al: endometrial adenocarcinoma, adjuvant radiotherapy tailored to prognostic factors, Int J Radiat Oncol Biol Phys 1990; **18:** 299
Meese RB; Spritzer CE; Negro-Vilar R; et al: detection, characterization and functional assessment of reperfused Q-wave acute myocardial infarction by cine magnetic resonance imaging, (ab), Radiology 1991; **178:** 293
Mefferd JM; Donaldson SS; Link MP: pediatric Hodgkin's disease: pulmonary, cardiac, and thyroid function following combined modality therapy, Int J Radiat Oncol Biol Phys 1989; **16:** 679
Meghji M See Doris I
Megibow A See Weinreb JC
Megibow AJ See Balthazar EJ
Megibow AJ See Birnbaum BA
Megibow AJ See Bosniak MA
Megibow AJ See Jeffrey RB Jr
Megibow AJ See Kramer EL
Megibow AJ See Lubat E
Megibow AJ See Rofsky NM
Megibow AJ See Smith SJ
Megibow AJ: imaging insights in gastrointestinal radiology, (ab), Radiology 1990; **176:** 587
Megibow AJ: imaging insights: perienteric changes—signs and significance in abdominal CT, (ab), Radiology 1991; **178:** 896
Megibow AJ; Balthazar EJ; Cho KC; Medwid SW; Birnbaum BA; Noz ME: bowel obstruction: evaluation with CT, Radiology 1991; **180:** 313
Megison P; Batjer HH; Purdy PD; et al: spontaneous resolution of arteriovenous malformation without hemorrhage, AJNR 1989; **10:** 204
Meglin AJ; Balotin RJ; Jelinek JS; et al: cloacal exstrophy: radiologic findings in 13 patients, AJR 1990; **155:** 1267
Meguro K; Doi C; Ueda M; et al: decreased cerebral glucose metabolism associated with mental deterioration in multi-infarct dementia, Neuroradiol 1991; **33:** 305
Mehalek KE; Rosenberg J; Berkowitz GS; et al: umbilical and uterine artery flow velocity waveforms: effect of the sampling site on Doppler ratios, J Ultrasound Med 1989; **8:** 171
Mehall CJ; Klein RM; Muz J; et al: intestinal neoplasm mimicking a Meckel's diverticulum on scintigraphic imaging, Clin Nucl Med 1991; **16:** 233
Mehdizadeh HM See Parisi M
Mehier H See Favre B
Mehigan JT See Guthaner DF
Mehler MF; Rabinowich L: inflammatory myelinoclastic diffuse sclerosis (Schilder's disease): neuroradiologic findings, AJNR 1989; **10:** 176
Meholic AJ See Mettler FA
Meholic AJ; Freimanis AK; Stucka J; et al: sonographic in utero diagnosis of Klippel-Trenaunay-Weber syndrome, J Ultrasound Med 1991; **10:** 111
Mehringer CM See Fuchs AM
Mehringer M See Rajfer J
Mehringer MC See White RA
Mehta AC See Georgian D
Mehta MP See Rozental JM
Mehta MP See Shanahan TG

Mehta MP; Goetowski PG; Kinsella TJ: radiation induced thyroid neoplasms 1920 to 1987: a vanishing problem?, Int J Radiat Oncol Biol Phys 1989; **16:** 1471

Mehta MP; Kubsad SS; Fowler JF; et al: ^{90}Y-B72.3 against pancreatic cancer: dosimetric and biological analysis, Int J Radiat Oncol Biol Phys 1990; **19:** 627

Mehta MP; Langeland P; Bertelrud K: adult Wilms' tumor: role of combined modality treatment, Acta Oncol 1989; **28:** 647

Mehta MP; Shahabi S; Jarjour NN; et al: endobronchial irradiation for malignant airway obstruction, Int J Radiat Oncol Biol Phys 1989; **17:** 847

Mehta PH See **Homsy YL**

Mehta RC See **Gentry LR**

Mehta RC; Wilson MA: frostbite injury: prediction of tissue viability with triple-phase bone scanning, Radiology 1989; **170:** 511

Mehta RC; Wilson MA; Perlman SB: donor-specific rejection, Clin Nucl Med 1989; **14:** 68

Mehta RC; Wilson MA; Perlman SB: false-negative bone scan in extensive metastatic disease: CT and MR findings, JCAT 1989; **13:** 717

Mehta RC; Wilson MA; Pozniak MA: splenic abscess in a previously infarcted spleen, Clin Nucl Med 1990; **14:** 700

Mehta RH; Helmcke F; Nanda NC; et al: uses and limitations of transthoracic echocardiography in the assessment of atrial septal defect in the adult, (ab), Radiology 1991; **181:** 613

Mehta SN See **Padhy AK**

Mehta VS See **Gupta RK**

Mei W; Xian-Zhi G; Weibo Y; et al: randomized clinical trial on the combination of preoperative irradiation and surgery in the treatment of esophageal carcinoma: report on 206 patients, Int J Radiat Oncol Biol Phys 1989; **16:** 325

Meier B See **Finci L**

Meier CR See **Nowrousian MR**

Meier D See **Buchli R**

Meier D See **Maier SE**

Meier DA See **Balon HR**

Meier DE See **DaCosta MC**

Meier MJ See **Kuni CC**

Meier P See **Mulligan G**

Meignan M; Palmer EL; Waltman AC; Strauss HW: zones of increased perfusion (hot spots) on perfusion lung scans: correlation with pulmonary arteriograms, Radiology 1989; **173:** 47

Meijer S See **Kengen RA**

Meilstrup JW See **Vandeman FN**

Meinken GE See **Rosen JM**

Meire H See **Logan H**

Meire H See **Raby N**

Meis JM See **Kransdorf MJ**

Meisler DM See **Smith AS**

Meizner I; Carmi R: snowflake sign: a sonographic marker for prenatal detection of fetal skin denudation, J Ultrasound Med 1990; **9:** 607

Meizner I; Carmi R; Katz M: prenatal ultrasonic diagnosis of mandibulofacial dysostosis (Treacher Collins syndrome), JCU 1991; **19:** 124

Meizner I; Carmi R; Mares AJ; et al: spontaneous resolution of isolated fetal ascites associated with extralobar lung sequestration, JCU 1990; **18:** 57

Mejia AA; Nakamura T; Masatoshi I; et al: estimation of absorbed doses in humans due to intravenous administration of fluorine-18-fluorodeoxyglucose in PET studies, J Nucl Med 1991; **32:** 699

Mekhmandarov S; Engelberg S; Nass D; et al: Tc-99m MDP uptake by metastatic chondrosarcoma in the lung, Clin Nucl Med 1989; **14:** 369

Melançon D See **Minuk J**

Melange M See **Trigaux J-PP**

Melanson D See **Abdollah A**

Melanson D See **Moumdjian R**

Melanson D See **Tampieri D**

Melhem RE See **Landry BA**

Melhem RE See **Wilder WM**

Melhem RE: percutaneous drainage of chest abscesses in children, Radiology 1989; **173:** 575

Meli FJ; Boccaleri CA; Manzitti J; et al: meningeal dissemination of retinoblastoma: CT findings in eight patients, AJNR 1990; **11:** 983

Meli JA; Dicker CS; Schulz RJ: computer applications to radioactive-seed: brain-tumor implants, Comput Med Imag Graph 1989; **13:** 269

Melin J See **Hashimoto Y**

Melki PS; Mulkern RV; Panych LP; Jolesz FA: comparing the FAISE method with conventional dual-echo sequences, JMRI 1991; **1:** 319

Mellemgaard A; Ewertz M; Lynge E: association between risk of breast cancer and age at first pregnancy and parity in Maribo County, Denmark, Acta Oncol 1990; **29:** 705

Meller JL See **Raju TNK**

Meller ST See **Verber IG**

Mellinger BC See **Krysiewicz S**

Mellinger BC; Fried JJ; Vaughan ED Jr: papaverine-induced penile blood flow acceleration in impotent men measured by duplex scanning, (ab), Radiology 1991; **180:** 589

Mellinger BC; Vaughan ED Jr: penile blood flow changes in the flaccid and erect state in potent young men measured by duplex scanning, (ab), Radiology 1991; **179:** 886

Mello LR See **Rodacki MA**

Mellone R See **DelMaschio A**

Melman A See **Rossman B**

Melone CP Jr See **Golimbu CN**

Melsom H See **Lund MB**

Melson GL See **Horstman WG**

Melson GL See **Middleton WD**

Melton JW; Chung CJ; Gordon L: pseudobullseye sign of the testicle: a window to the peritoneum, Clin Nucl Med 1991; **16:** 604

Melton LJ III; Eddy DM; Johnston CC Jr: screening for osteoporosis, (ab), Radiology 1990; **177:** 894

Melton RE See **Vansant JP**

Meltzer CC; Bryan RN; Holcomb HH; et al: anatomical localization for PET using MR imaging, JCAT 1990; **14:** 418

Meltzer CC; Leal JP; Mayberg HS; et al: correction of PET data for partial volume effects in human cerebral cortex by MR imaging, JCAT 1990; **14:** 561

Melvik JE See **Fossä SD**

Melville DM See **Lennard-Jones JE**

Melvin IG See **Woodring JH**

Melzer G See **Flueckiger F**

Melzer G See **Kullnig P**

Memel DS; DeRogatis AJ; William DC: Ga-67 citrate myocardial uptake in a patient with AIDS, toxoplasmosis, and myocarditis, Clin Nucl Med 1991; **16:** 315

Memeo V See **Angelelli G**

Mena I See **Roper SN**

Mena I See **Villanueva-Meyer J**

Mena IG See **Baillet GY**

Mena IG See **Kolin E**

Mena IG See **Lee A**

Menache L; Eifel PJ; Kennamer DL; et al: twice-daily anesthesia in infants receiving hyperfractionated irradiation, Int J Radiat Oncol Biol Phys 1990; **18:** 625

Menanteau B See **Gomes H**

Menanteau B See **Pennaforte J-L**

Menanteau BP: echocardiography and Doppler in cardiac surgery, Radiology 1990; **177:** 132

Menanteau BP: interventional ultrasound, Radiology 1991; **178:** 242

Menanteau BP: intraoperative ultrasound imaging in neurosurgery, Radiology 1991; **178:** 378

Menanteau BP: practical ultrasound, Radiology 1989; **172:** 704

Menanteau BP: transvaginal ultrasound, Radiology 1991; **181:** 744

Menanteau BP: ultrasonography of muscles and tendons, Radiology 1990; **174:** 774

Menanteau BP: ultrasound and infertility, Radiology 1990; **175:** 434

Menanteau BP: ultrasound in neurosurgery, Radiology 1990; **176:** 782

Menanteau BP; Treutenaere JM; Marcus C; et al: imaging of the digital arteries: digital subtraction angiography versus conventional arteriography, J Canad Assoc Radiol 1989; **40:** 34

Menashe M See **Sherer DM**

Menashe VD See **Morris CD**

Mencini RA See **Moulton JS**

Mendel JB See **Edelman RR**

Mendelsohn D See **Rollins N**

Mendelsohn DB See **Cohen MA**

Mendelsohn DB See **Girson M**

Mendelsohn DB; Zollars L; Weatherall PT; et al: MR of cord transection, JCAT 1990; **14:** 909

Mendelson D See **Grad J**

Mendelson DS See **Gendal ES**

Mendelson DS See **Glicklich M**

Mendelson DS See **Janus CL**

Mendelson DS See **Norton KI**

Mendelson DS See **Shapiro RS**

Mendelson DS See **Stancato-Pasik A**

Mendelson DS; Apter S; Kirschner PA; et al: magnetic resonance imaging and computed tomography findings in a patient with lymphomatoid granulomatosis, Clin Imag 1989; **13:** 130

Mendelson DS; Apter S; Mitty HA; et al: residual dissection of the thoracic aorta after repair: MRI-angiographic correlation, Comput Med Imag Graph 1991; **15:** 31

Mendelson DS; Meary E; Buy JN; et al: localized fibrous pleural mesothelioma: CT findings, Clin Imag 1991; **15:** 105

Mendelson DS; Rubinoff SW; Dan SJ; et al: inadvertent pancreatic embolization as a complication of hepatic carcinoid treatment—computed tomography appearance, Clin Imag 1989; **13:** 212

Mendelson EB See **Böhm-Vélez M**

Mendelson EB See **D'Orsi CJ**

Mendelson EB See **Freimanis MG**

Mendelson EB: imaging the post-surgical breast, Semin US CT MR 1989; **10:** 154

Mendelson EB; Bohm-Velez M; Saker M: transvaginal sonography in the abnormal first trimester, Semin US CT MR 1990; **11:** 34

Mendelson EB; Harris KM; Doshi N; et al: infiltrating lobular carcinoma: mammographic patterns with pathologic correlation, AJR 1989; **153:** 265

Mendelson J See **Holman BL**

Mendelson RM See **Kearney D**

Mendenhall NP See **Smith LM**

Mendenhall NP See **Taylor BW Jr**

Mendenhall WM See **Amdur RJ**

Mendenhall WM See **Ellis ER**

Mendenhall WM See **Foote RL**

Mendenhall WM See **Guedea F**

Mendenhall WM See **Neal CR**

Mendosa S See **Enwemeka CS**

Menegay HJ See **Varnes ME**

Meng Q; Watt I: phalangeal osteoid osteoma, Br J Radiol 1989; **62:** 321

Meng T-K See **Seidenwurm D**

Menkes C-J See **Goupille P**

Mennuti MT See **Donnenfeld AE**

Menon DK; Baudouin CJ; Tomlinson D; et al: proton MR spectroscopy and imaging of the brain in AIDS: evidence of neuronal loss in regions that appear normal with imaging, JCAT 1990; **14:** 882

Menon DK; Sargentoni J; Peden CJ; et al: proton MR spectroscopy in herpes simplex encephalitis: assessment of neuronal loss, JCAT 1990; **14:** 449

Menon RS; Allen PS: application of continuous relaxation time distributions to the fitting of data from model systems and excised tissue, Magn Res Med 1991; **20:** 214

Menon RS; Rusinko MS; Allen PS: multiexponential proton relaxation in model cellular systems, Magn Res Med 1991; **20:** 196

Menor F See **Martí-Bonmatí L**

Menten J; Landuyt W; van der Kogel AJ; et al: effects of high dose intraperitoneal cytosine arabinoside on the radiation tolerance of the rat spinal cord, Int J Radiat Oncol Biol Phys 1989; **17:** 131

Menu Y See **Arrivé L**

Menu Y See **Defalque D**

Menu Y See **Maillard J-C**

Menu Y See **Scherrer A**

Menu Y See **Vilgrain V**

Menzel D; Hauffa BP: changes in size and sonographic characteristics of the adrenal glands during the first year of life and the sonographic diagnosis of adrenal hyperplasia in infants with 21-hydroxylase deficiency, JCU 1990; **18:** 619

Menzoian JO See **Balshi JD**

Menzoian JO See **Peterkin GA**

Mera SS See **Oglevie SB**

Mera SS See **Smith DC**

Meradji M See **Post PJM**

Meradji M See **Smeets AJ**

Meranze S See **Alavi A**

Meranze SG See **Cope C**

Meranze SG See **McLean GK**

Meranze SG See **Recht MP**

Meranze SG; O'Neill JA Jr: midaortic syndrome diagnosis and treatment: reply, Radiology 1989; **170:** 572

Merboldt KD See **Bruhn H**

Merboldt KD See **Frahm J**

Merboldt K-D; Bruhn H; Frahm J; et al: MRI of "diffusion" in the human brain: new results using a modified CE-FAST sequence, Magn Res Med 1989; **9:** 423

Merboldt K-D; Hänicke W; Frahm J: diffusion imaging using stimulated echoes, Magn Res Med 1991; **19:** 233

Merboldt K-D; Hänicke W; Gyngell ML; et al: influence of flow and motion in MRI of diffusion using a modified CE-FAST sequence, Magn Res Med 1989; **12:** 198

Mercer LJ See **Holt JA**

Merchant EB See **Abdel-Nabi HH**

Merchant F See **Beebe HG**

Merchant S; Morparia H; Punekar SV; et al: darkroom transplant, J Canad Assoc Radiol 1990; **41:** 393

Merchant SA See **Kedar RP**

Merchant SA See **Morparia HK**

Merchant SA; Punekar SV; Chandorkar AB; et al: ureteral valves: preoperative radiologic diagnosis, J Canad Assoc Radiol 1990; **41:** 347

Mercke C See **Sandberg N**

Mercke C See **Turesson I**

Mercker JM See **Weinberger E**

Merckx E See **Vanhecke W**

Mercuri MF: double-line pattern of vessel walls at high-frequency US, Radiology 1991; **179:** 879

Meredith RF See **Brezovich IA**

Meredith RF See **Kim RY**

Meredith RF See **Spencer SA**
Meredith RF; Brezovich IA; Weppelmann B; et al: ferromagnetic thermoseeds: suitable for an afterloading interstitial implant, Int J Radiat Oncol Biol Phys 1989; **17:** 1341
Meredith RF; LoBuglio AF; Plott WE; et al: pharmacokinetics, immune response, and biodistribution of iodine-131-labeled chimeric mouse/human IgG1,k 17-1A monoclonal antibody, J Nucl Med 1991; **32:** 1162
Merenda G See **Sundaram M**
Merenda J See **Sundaram M**
Merenich WM; Swartz JD; Yussen PS; et al: foramen ovale: MR and CT correlation, Clin Imag 1991; **15:** 20
Mérette G See **Duprat G Jr**
Mergui S See **Gillet B**
Merhige M; Garza D; Sease D; et al: quantitation of the critically ischemic zone at risk during acute coronary occlusion using PET, J Nucl Med 1991; **32:** 1581
Merickel MB See **Jiang T**
Merickel MB; Carman CS; Brookeman JR; et al: image analysis and quantification of atherosclerosis using MRI, Comput Med Imag Graph 1991; **15:** 207
Meriggi E See **Todros T**
Merikanto J See **Lähde S**
Merikanto JS See **Päivänsalo MJ**
Merine D See **Lammert GK**
Merine D; Takayasu K; Wakao F: detection of hepatocellular carcinoma: comparison of CT during arterial portography with CT after intraarterial injection of iodized oil, Radiology 1990; **175:** 707
Merine DS See **Fishman EK**
Merine DS; Fishman EK: hemangioendothelioma of bone: CT findings, JCAT 1989; **13:** 1098
Merine DS; Fishman EK: perirenal hematoma following catheter removal: an unusual complication of percutaneous nephrostomy, Clin Imag 1989; **13:** 74
Merine DS; Fishman EK: uncomplicated portal venous gas associated with duodenal perforation following ERCP: CT features, JCAT 1989; **13:** 138
Merine DS; Fishman EK; Jones B; et al: CT of the small bowel and mesentery, Radiol Clin North Am 1989; **27:** 707
Merine DS; Fishman EK; Kuhlman JE; et al: bladder involvement in Crohn disease: role of CT in detection and evaluation, JCAT 1989; **13:** 90
Merine DS; Jones B; Ghahremani GG; et al: hyperplasia of Brunner glands: the spectrum of its radiographic manifestatins, Gastrointest Radiol 1991; **16:** 104
Merino MM See **Lefor AT**
Merkel FK See **Matalon TAS**
Merkle H See **Hendrich K**
Merkle H See **Robitaille P-M**
Merkle H See **Ross BD**
Merkle W; Wagner W: sonography of the distal male urethra: a new diagnostic procedure for urethral strictures—results of a retrospective study, (ab), Radiology 1989; **172:** 292
Merland J-J See **Biondi A**
Merland J-J See **Laredo J-D**
Merland JJ See **Yakes WF**
Merlet P See **Richalet JP**
Merlet P See **Valette HB**
Merlo L; Bighi S; Cervi PM; et al: computed radiography in neonatal intensive care, Pediatr Radiol 1991; **21:** 94
Merlotti GJ See **Lange DA**
Merrick HW III See **Bagne FR**
Merrick HW III See **Dobelbower RR Jr**
Merrick MV: bone scintigraphy—an update, Clin Radiol 1989; **40:** 231
Merrick SH See **Moore EH**
Merrill WH See **Hernanz-Schulman M**
Merritt CRB See **Bluth EI**
Merritt CRB See **Fraser RG**
Merritt CRB: AAPM tutorial: Doppler US: the basics, Radiographics 1991; **11:** 109
Merritt CRB: ultrasound safety: what are the issues?, Radiology 1989; **173:** 304
Merritt CRB; Carroll BA; Lawson TL; Mack LA: ultrasonography: RSNA '88 meeting notes, Radiology 1989; **170:** 915
Merritt CRB; Cooperberg PL; Lawson TL: ultrasonography. RSNA '90 meeting notes, Radiology 1991; **178:** 602
Merritt CRB; Lawson TL; Cooperberg PL: ultrasonography. RSNA '89 meeting notes, Radiology 1990; **174:** 604
Merritt CRB; Yin LL: AIUM/CDRH (FDA) regulatory discussion, Ultrasound Med Biol 1989; **15:** S105
Merritt TA See **Levine D**
Merten DF See **Carpenter BLM**
Merten DF See **Savani RC**
Merten DF; Palmer PES; Sweet EM; et al: rational use of diagnostic imaging in paediatrics: the report of a World Health Organization Study Group, Pediatr Radiol 1989; **19:** 216
Mertens R See **Klose K-C**
Merton DA See **Goldberg BB**
Merton DA See **Liu J-B**
Merton DA See **Mitchell DG**
Merx JL; Bakker-Niezen SH; Thijssen HOM; et al: tethered spinal cord syndrome: a correlation of radiological features and peroperative findings in 30 patients, Neuroradiol 1989; **31:** 63
Merx JL; Thijssen HOM; Meyer E; et al: accuracy of ultrasonic evaluation of lumbar intervertebral discs by an anterior approach, Neuroradiol 1989; **31:** 386
Merz E; Grüssner A; Kern F: mathematical modeling of fetal limb growth, JCU 1989; **17:** 179
Mesgarzadeh M See **Jaffe JW**
Mesgarzadeh M See **Ross LV**
Mesgarzadeh M; Schneck CD; Bonakdarpour A: carpal tunnel: MR imaging. part I. normal anatomy, Radiology 1989; **171:** 743
Mesgarzadeh M; Schneck CD; Bonakdarpour A; Mitra A; Conaway D: carpal tunnel: MR imaging. part II. carpal tunnel syndrome, Radiology 1989; **171:** 749
Mesko L See **Müller-Suur R**
Messenger OJ See **Morrish HF**
Messeri G See **Ciatto S**
Messersmith R See **Okrent D**
Messersmith RN See **Kahn CE Jr**
Messersmith RN See **Sennett CA**
Messieh SS; Fowler PJ; Munro T: anteroposterior radiographs of the osteoarthritic knee, (ab), Radiology 1991; **178:** 591
Messina LM See **Williams DM**
Messios N See **Miles KA**
Messmer B See **Günther RW**
Messmer JM: technique for oral board preparation, Invest Radiol 1989; **24:** 813
Messmer JM; Papp KK; Hurwitz J; et al: development of an effective short introductory course in diagnostic radiology, Invest Radiol 1989; **24:** 631
Messmore HL See **Hwang MH**
Mestas JL See **Basset O**
Mestas J-L See **Lewin PA**
Mester J See **Graf G**
Metcalfe MJ See **Jones RA**
Metcalfe MJ; Jones RA; Redpath TW; et al: low-field cine magnetic resonance imaging in aortic valve disease, Br J Radiol 1989; **62:** 1063
Metes JJ See **Ramanauskas WL**
Metes JJ; Wilner HI; Crowley M; et al: gated gradient-motion-refocused (GMR) images with spin-echo sequences, AJNR 1989; **10:** S54
Metlay L See **Shah YG**
Metlay LA See **Aschner JL**
Metlay LA See **Sherer DM**
Metlay LA See **Wood BP**
Metreweli C See **Birchall IWJ**
Metreweli C See **Bradley MJ**
Metreweli C See **Leung SF**
Metreweli C See **Pang JA**
Metrop D See **Lissac M**
Mettler FA; Haygood TM; Meholic AJ: diagnostic radiology around the world, Radiology 1990; **175:** 577
Mettler FA Jr See **Hart BL**
Mettler FA Jr See **Kelsey CA**
Mettler FA Jr See **Orrison WW Jr**
Mettler FA Jr: radiobiology for the radiologist. 3d ed, Radiology 1989; **170:** 422
Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM: nuclear medicine. RSNA '88 meeting notes, Radiology 1989; **170:** 604
Mettler FA Jr; Hartshorne MF; Miller TR; Spies WG; Tumeh SS: nuclear medicine. RSNA '89 meeting notes, Radiology 1990; **174:** 607
Mettler FA Jr; Miller TR; Spies WG: nuclear medicine. RSNA '90 meeting notes, Radiology 1991; **178:** 601
Mettlin C; Lee F; Drago J; et al: American Cancer Society National Prostate Cancer Detection Project: findings on the detection of early prostate cancer in 2425 men, (ab), Radiology 1991; **181:** 911
Metz CE See **Fretz CJ**
Metz CE See **Giger ML**
Metz CE See **MacMahon H**
Metz CE: some practical issues of experimental design and data analysis in radiological ROC studies, Invest Radiol 1989; **24:** 234
Metz KR See **Boehmer JP**
Metz V See **Dock W**
Metzger DA; Olive DL; Haney AF: limited hormonal responsiveness of ectopic endometrium: histologic correlation with intrauterine endometrium, (ab), Radiology 1989; **172:** 292
Metzger TS; Silver B; Matalon TAS: simple phantom for learning needle placement for sonographically guided biopsy, AJR 1990; **154:** 847
Mevorach RA See **Lerner RM**
Mewissen MW See **Erickson SJ**
Mewissen MW See **Lipchik EO**
Mewissen MW See **Seabrook GR**
Mewissen MW See **Thorsen MK**
Mewissen MW; Beres RA; Bessette JC; et al: kissing-balloon technique for angioplasty of the popliteal artery trifurcation, AJR 1991; **156:** 823
Mewissen MW; Erickson SJ; Foley WD; Lipchik EO; Olson DL; McCann KM; Schreiber ER: thrombosis at venous insertion sites after inferior vena caval filter placement, Radiology 1989; **173:** 155
Mewissen MW; Minor PL; Beyer GA; Lipchik EO: symptomatic native arterial occlusions: early experience with "over-the-wire" thrombolysis, JVIR 1990; **1:** 43
Mewissen MW; Zavitz WR; Lipchik EO: brachiocephalic vessels in the elderly: technique for catheterization, Radiology 1989; **170:** 887
Meyer A See **Blanc C**
Meyer C See **Spielman D**
Meyer CA See **Kransdorf MJ**
Meyer CA; Kransdorf MJ; Jelinek JS; et al: MR and CT appearance of nodular fasciitis, JCAT 1991; **15:** 276
Meyer CA; Mirvis SE; Wolf AL; Thompson RK; Gutierrez MA: acute traumatic midbrain hemorrhage: experimental and clinical observations with CT, Radiology 1991; **179:** 813
Meyer CH; Pauly JM; Macovski A; et al: simultaneous spatial and spectral selective excitation, Magn Res Med 1990; **15:** 287
Meyer CJLM See **van den Brekel MWM**
Meyer CR See **Carson PL**
Meyer D See **Bonnemain B**
Meyer D See **Dupuy DE**
Meyer D; Schaefer M; Doucet D: advances in macrocyclic gadolinium complexes as magnetic resonance imaging contrast agents, Invest Radiol 1990; **25:** S53
Meyer E See **Merx JL**
Meyer E: simultaneous correction for tracer arrival delay and dispersion in CBF measurements by the $H_2{}^{15}O$ autoradiographic method and dynamic PET, J Nucl Med 1989; **30:** 1069
Meyer FB; Sundt TM Jr; Fode NC; et al: cerebral aneurysms in childhood and adolescence, (ab), Radiology 1989; **173:** 888
Meyer G; Tamisier D; Sors H; et al: pulmonary embolectomy: a 20-year experience at one center, (ab), Radiology 1991; **181:** 612
Meyer GA See **Daniels DL**
Meyer GA See **Millen SJ**
Meyer G-J See **Coates G**
Meyer JE See **Davis SP**
Meyer JE See **Sonnenfeld MR**
Meyer JE See **Stomper PC**
Meyer JE: breast immobilization for occult mass aspiration: reply, Radiology 1989; **171:** 286
Meyer JE; Amin E; Lindfors KK; Lipman JC; Stomper PC; Genest D: medullary carcinoma of the breast: mammographic and US appearance, Radiology 1989; **170:** 79
Meyer JE; Stomper PC; Lee RR: pectoralis muscle simulating a breast mass, AJR 1989; **152:** 481
Meyer JS See **Kobari M**
Meyer JS; Hoffer FA; Barnes PD; et al: biological classification of soft-tissue vascular anomalies: MR correlation, AJR 1991; **157:** 559
Meyer KL See **Counsell RE**
Meyer L; Aspegren K: long-term psychological sequelae of mastectomy and breast conserving treatment for breast cancer, Acta Oncol 1989; **28:** 13
Meyer MA; Wahner HW: focal high uptake of HM-PAO in brain perfusion studies: a clue in the diagnosis of encephalitis, J Nucl Med 1990; **31:** 1094
Meyer R See **Ost AH**
Meyer RA See **Cyran SE**
Meyer RA See **Fisher MJ**
Meyer RA See **Siddiqi TA**
Meyer SJF See **Langer JE**
Meyer SJF; Dalinka MK: magnetic resonance imaging of the shoulder, Semin US CT MR 1990; **11:** 253
Meyer VS See **Hardoff R**
Meyer WR See **Taylor KJW**
Meyerhoff DJ See **Boska MD**
Meyerhoff DJ See **Hubesch B**
Meyerhoff DJ See **Karczmar GS**
Meyerhoff DJ See **Twieg DB**
Meyerhoff DJ; Boska MD; Thomas AM; Weiner MW: alcoholic liver disease: quantitative image-guided P-31 MR spectroscopy, Radiology 1989; **173:** 393
Meyerhoff DJ; Karczmar GS; Weiner MW: abnormalities of the liver evaluated by ^{31}P MRS, Invest Radiol 1989; **24:** 980
Meyerovitz M See **Janicek M**
Meyerovitz MF: hysterosalpingography and fallopian tube cannulation: use of a double-balloon introducing catheter, Radiology 1991; **181:** 901

Meyerovitz MF; Goldhaber SZ; Harrington DP: recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Radiology 1991; **178:** 284
Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP: recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Radiology 1990; **175:** 75
Meyerovitz MF; Lobel SM; Harrington DP; Bengtson JM: preoperative uterine artery embolization in cervical pregnancy, JVIR 1991; **2:** 95
Meyerovitz MF; Reagan K; Friedman PL: caudal-posteroanterior view in coronary arteriography, Radiology 1989; **171:** 866
Meyers FJ; DeNardo SJ; Macey D; et al: development of monoclonal antibody imaging of metastatic prostatic carcinoma, (ab), Radiology 1990; **174:** 293
Meyers MA; Feldberg MAM; Oliphant M: Grey Turner's sign and Cullen's sign in acute pancreatitis, Gastrointest Radiol 1989; **14:** 31
Meyers SA; Kuhlman JE; Fishman EK: enterovesical fistula in a patient with cryptosporidiosis and AIDS: CT demonstration, Clin Imag 1990; **14:** 143
Meyers SA; Kuhlman JE; Fishman EK: Kaposi sarcoma involving bone: CT demonstration in a patient with AIDS, JCAT 1990; **14:** 161
Meyers WC See **Rose SC**
Mezenge C See **Cotty P**
Meziane MA See **Balakrishnan J**
Meziane MA See **Wegryn SA**
Mezrich R See **Lee E**
Mezrich RS See **Runge VM**
Mezrich RS See **Wang J-Z**
Mezwa DG See **Feczko PJ**
Mezwa DG See **Keeney G**
Mezwa DG; Feczko PJ; Korensky T: angioimmunoblastic lymphadenopathy of the colon with malignant transformation, Gastrointest Radiol 1991; **16:** 348
Mezzacappa PM See **Roshkow JE**
Mezzano P See **Tomà P**
Micaily B See **Seegenschmiedt MH**
Micaily B; Campbell O; Moser C; et al: total skin electron beam and total nodal irradiation of cutaneous T-cell lymphoma, Int J Radiat Oncol Biol Phys 1991; **20:** 809
Micaily B; Moser C; Vonderheid EC; et al: radiation therapy of early stage cutaneous T-cell lymphoma, Int J Radiat Oncol Biol Phys 1990; **18:** 1333
Micflikier AB See **Semelka RC**
Michael AS See **Ghahremani GG**
Michael AS See **Paige ML**
Michael AS; Levy JM; Paige ML: cysticercosis mimicking brain neoplasms: MR and CT appearance, JCAT 1990; **14:** 708
Michael AS; Mikhael MA; Christ M: myxoma of the heart presenting with recurrent episodes of hemorrhagic cerebral infarction: MR findings, JCAT 1989; **13:** 123
Michael D; Schleich T: effect of differential saturation on the spatial localization performance of depth pulses, Magn Res Med 1991; **18:** 294
Michael R; Sage M; Hewitt B; et al: resource-based relative value scale for organ imaging services, Invest Radiol 1991; **26:** 490
Michael RH See **Holder LE**
Michaelis T See **Gyngell ML**
Michalek SM See **Yamamoto S**
Michalik M See **Wolf M**
Michalowski A: on radiation damage to normal tissues and its treatment: I. growth factors, Acta Oncol 1990; **29:** 1017
Michalski JM; Garcia DM; Kase E; Grigsby PW; Simpson JR: primary central nervous system lymphoma: analysis of prognostic variables and patterns of treatment failure, Radiology 1990; **176:** 855
Michalski R See **George DH**
Michel AG See **Hallahan DE**
Michel PL See **Vahanian A**
Michelassi F; Pietrabissa A; Ferrari M; et al: bullet emboli to the systemic and venous circulation, (ab), Radiology 1990; **177:** 597
Micheli A See **Arcangeli G**
Micheli LJ See **Bellah RD**
Michell M See **Khan S**
Michell M See **Raby N**
Michell MJ See **Garstin WIH**
Michell MJ See **Given-Wilson R**
Michelot JM; Moreau M-FC; Labarre PG; et al: synthesis and evaluation of new iodine-125 radiopharmaceuticals as potential tracers for malignant melanoma, J Nucl Med 1991; **32:** 1573
Michelozzi G See **Greco A**
Michels M See **Kensey KR**
Michelson JD See **Magid D**
Michelucci R See **Leonardi M**
Michiels JJ See **Zonderland HM**
Michigishi T See **Tonami N**
Michigishi T; Mizukami Y; Mura T; et al: papillary carcinoma in ectopic thyroid detected by Tl-201 scintigraphy, Clin Nucl Med 1991; **16:** 337
Michikawa M; Wada Y; Sano M; et al: radiation myelopathy: significance of gadolinium-DTPA enhancement in the diagnosis, Neuroradiol 1991; **33:** 286
Mickle JP See **Quisling RG**
Middleton D See **Heiss HW**
Middleton K; Clarke E; Homann S; et al: autopsy-based study of diagnostic errors in geriatric and nongeriatric adult patients, (ab), Radiology 1990; **175:** 295
Middleton WD See **Burge HJ**
Middleton WD See **Erickson SJ**
Middleton WD See **Foley WD**
Middleton WD See **Hicks ME**
Middleton WD See **Horstman WG**
Middleton WD See **Igidbashian VN**
Middleton WD See **Kang EH**
Middleton WD See **Petros JA**
Middleton WD See **Surratt JT**
Middleton WD See **Zandt-Stastny D**
Middleton WD: status of rotator cuff sonography, Radiology 1989; **173:** 307
Middleton WD; Erickson S; Melson GL: perivascular color artifact: pathologic significance and appearance on color Doppler US images, Radiology 1989; **171:** 647
Middleton WD; Kellman GM; Melson GL; Madrazo BL: postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Radiology 1989; **171:** 253
Middleton WD; Melson GL: carotid ghost: a color Doppler ultrasound duplication artifact, (ab), JVIR 1991; **2:** 301
Middleton WD; Melson GL: carotid ghost: a color Doppler ultrasound duplication artifact, J Ultrasound Med 1990; **9:** 487
Middleton WD; Melson GL: renal duplication artifact in US imaging, Radiology 1989; **173:** 427
Middleton WD; Melson GL: testicular ischemia: color Doppler sonographic findings in five patients, AJR 1989; **152:** 1237
Middleton WD; Picus DD; Marx MV; et al: color Doppler sonography of hemodialysis vascular access: comparison with angiography, AJR 1989; **152:** 633
Middleton WD; Siegel BA; Melson GL; Yates CK; Andriole GL: acute scrotal disorders: prospective comparison of color Doppler US and testicular scintigraphy, Radiology 1990; **177:** 177
Middleton WD; Thorne DA; Melson GL: color Doppler ultrasound of the normal testis, AJR 1989; **152:** 293
Mierau GW See **Weeks DA**
Miers JF See **Seibert JJ**
Mies C See **Minsky BD**
Mietling SW See **Akins EW**
Miettunen R; Korhola O; Bondestam S; et al: combination of multiple pencil-beam imaging to computed storage phosphor radiography: a new method, Eur J Radiol 1991; **12:** 161
Miettunen RH; Korhola OA: effect of scatter reduction on the signal-to-noise ratio in computed radiography, Eur J Radiol 1991; **12:** 167
Mieza M See **Khan Z**
Mieza M See **Rossman B**
Migliore PJ See **Taber KH**
Migliozzi JA See **Remick SC**
Mignami G See **Pignatti G**
Mihailovic T See **Perisic VN**
Mihalko M; Lindfors KK; Grix AW; et al: prenatal sonographic diagnosis of harlequin ichthyosis, AJR 1989; **153:** 827
Mihara F See **Fukuya T**
Mihara F; Gupta KL: Gd-DTPA–enhanced short repetition time and short inversion time inversion recovery magnetic resonance imaging: experimental and clinical assessment, Invest Radiol 1991; **26:** 734
Mihara Y See **Kochi M**
Mihran RT; Barnes FS; Wachtel H: temporally-specific modification of myelinated axon excitability *in vitro* following a single ultrasound pulse, Ultrasound Med Biol 1990; **16:** 297
Mikaelsson C See **Arnbjörnsson E**
Mikami I See **Kato T**
Mikata A See **Itami J**
Mike N See **Evans SE**
Mike N; Udeshi U; Asquith P; et al: small bowel enema in non-responsive coeliac disease, (ab), Radiology 1991; **178:** 586
Mikhael MA See **Michael AS**
Mikhael MA See **Runge VM**
Miki Y See **Murakami S**
Miki Y; Matsuo M; Nishizawa S; Kuroda Y; Keyaki A; Makita Y; Kawamura J: pituitary adenomas and normal pituitary tissue: enhancement patterns on gadopentetate-enhanced MR imaging, Radiology 1990; **177:** 35
Mikkelsen DJ See **Andriole GL**
Mikkelsen RB; Stedman T; Schmidt-Ullrich R; et al: effects of tamoxifen and protein kinase C inhibitors on hyperthermic cell killing, Int J Radiat Oncol Biol Phys 1991; **20:** 1039
Mikula N Jr; Gupta SM; Miller M; et al: Klippel-Trenaunay-Weber syndrome with recurrent pulmonary embolism, Clin Nucl Med 1991; **16:** 253
Mikulis D See **Domingues RC**
Mikulis DJ See **Kuhn MJ**
Mikulis DJ; Chisin R; Wismer GL; et al: phase-contrast imaging of the parotid region, AJNR 1989; **10:** 157
Milam MG; Evins AE; Sahn SA: immediate chest roentgenography following fiberoptic bronchoscopy, (ab), Radiology 1990; **174:** 585
Milam SG See **Abu-Yousef MM**
Milan M See **Nijensohn E**
Milandre L See **Pelletier J**
Milandre L; Pérot S; Salamon G; et al: spontaneous dissection of both extracranial internal carotid arteries, Neuroradiol 1989; **31:** 435
Milano E See **Sze G**
Milas L See **Hill RP**
Milas L See **Nishiguchi I**
Milas L See **vanAnkeren SC**
Milas L; Hunter N; Peters LJ: tumor bed effect-induced reduction of tumor radiocurability through the increase in hypoxic cell fraction, Int J Radiat Oncol Biol Phys 1989; **16:** 139
Milbrath MM; Beste DJ; Sty JR: comparative imaging: thyroid abscess, Clin Nucl Med 1990; **15:** 197
Milčinski M See **Budihna N**
Mildenberger M; Beach TG; McGeer EG; et al: animal model of prophylactic cranial irradiation: histologic effects at acute, early and delayed stages, Int J Radiat Oncol Biol Phys 1990; **18:** 1051
Milenic DE See **Colcher D**
Miles KA See **Bolia A**
Miles KA: measurement of tissue perfusion by dynamic computed tomography, Br J Radiol 1991; **64:** 409
Miles KA: ultrasound demonstration of vocal cord movements, Br J Radiol 1989; **62:** 871
Miles KA; Barber RW: man with three knees? false "hot spot" with dual isotope imaging, Br J Radiol 1990; **63:** 798
Miles KA; Lamont AC: ultrasonic demonstration of the elbow fat pads, Clin Radiol 1989; **40:** 602
Miles KA; London NJM; Lavelle JM; et al: CT staging of renal carcinoma: a prospective comparison of three dynamic computed tomography techniques, Eur J Radiol 1991; **13:** 37
Miles KA; London NJM; Messios N; et al: staging of renal cell carcinoma by dynamic computed tomography: a prospective comparison of two techniques, Clin Radiol 1990; **42:** 122
Miles SG See **Hansen EC**
Miles SG See **Pry R**
Miles SG; Rasmussen JF; Litwiller T; Osik A: safe use of an intravenous power injector for CT: experience and protocol, Radiology 1990; **176:** 69
Milestone B See **Chan TW**
Milestone B; Friedman AC; Seidmon EJ; et al: staging of ureteral transitional cell carcinoma by CT and MRI, (ab), Radiology 1991; **179:** 293
Milestone BN See **Yousem DM**
Milestone BN; Schnall MD; Lenkinski RE; Kressel HY: cervical carcinoma: MR imaging with an endorectal surface coil, Radiology 1991; **180:** 91
Miletich RS See **Bizzi A**
Milgram JW: malignant transformation in bone lipomas, Skeletal Radiol 1990; **19:** 347
Milici LP; Markowitz SK: gastric intramural pseudocyst: computed tomographic diagnosis, Gastrointest Radiol 1989; **14:** 113
Militello P See **Mirvis SE**
Mill WB See **Shapiro SJ**
Millá A See **Sanchíz F**
Millar AB See **Sweatman MC**
Millar AB; Denison DM: vertical gradients of lung density in healthy supine men, (ab), Radiology 1990; **174:** 585
Millar H See **Dell'Italia LJ**
Millar JGB See **Herbetko J**
Millar RM See **Kenny MB**
Millar WT: application of the linear-quadratic model with incomplete repair to radionuclide directed therapy, Br J Radiol 1991; **64:** 242
Millard DR Jr See **Deutsch HL**
Millard FC; Collins MC; Peck RJ: ultrasound in the investigation of the right iliac fossa mass, Br J Radiol 1991; **64:** 17
Millard FC; Nakielny RA; Makris M; et al: chest radiograph appearances seen following high dose chemotherapy and autologous bone marrow transplantation for resistant malignant lymphoma, Br J Radiol 1991; **64:** 103

Millen SJ See Daniels DL
Millen SJ; Daniels DL; Meyer GA: gadolinium-enhanced magnetic resonance imaging in temporal bone lesions, (ab), Radiology 1989; **173:** 887
Miller A; Stonebridge PA; Jepsen SJ; et al: continued experience with intraoperative angioscopy for monitoring infrainguinal bypass grafting, (ab), JVIR 1991; **2:** 414
Miller AB See Baines CJ
Miller AB: diet and cancer: a review, Acta Oncol 1990; **29:** 87
Miller B See Lee A
Miller BH: clinical implications of abnormal digestive tract radiographics, Radiology 1990; **177:** 454
Miller BV See Kresowik TF
Miller CL See Wechsler RJ
Miller CL; Karasick D; Kurtz AB; et al: limited sensitivity of ultrasound for the detection of rotator cuff tears, Skeletal Radiol 1989; **18:** 179
Miller CW See Gundry CR
Miller CW See Haller J
Miller D See Dunn J
Miller D See Waterton JC
Miller DD; Holmvang G; Gill JB; et al: MRI detection of myocardial perfusion changes by gadolinium-DTPA infusion during dipyridamole hyperemia, Magn Res Med 1989; **10:** 246
Miller DD; Salinas F; Walsh RA: simultaneous cardiac mechanics and phosphorus-31 NMR spectroscopy during global myocardial ischemia and reperfusion in the intact dog, Magn Res Med 1991; **17:** 41
Miller DH; Johnson G; Tofts PS; et al: precise relaxation time measurements of normal-appearing white matter in inflammatory central nervous system disease, Magn Res Med 1989; **11:** 331
Miller DL See Doppman JL
Miller DL See Douek PC
Miller DL See Frucht H
Miller DL See Hughes KS
Miller DL See London JF
Miller DL See Matsumoto AH
Miller DL See Reinig JW
Miller DL See Williams AR
Miller DL: heparin in angiography: current patterns of use, Radiology 1989; **172:** 1007
Miller DL: selective catheterization of the inferior petrosal sinuses: new catheter design, Radiology 1991; **178:** 281
Miller DL; Carrasquillo JA; Lutz RJ; et al: hepatic perfusion during hepatic artery infusion chemotherapy: evaluation with perfusion CT and perfusion scintigraphy, JCAT 1989; **13:** 958
Miller DL; Chang R; Doppman JL; Norton JA: localization of parathyroid adenomas: superselective arterial DSA versus superselective conventional angiography, Radiology 1989; **170:** 1003
Miller DL; Choyke PL; Walther MM; Doppman JL; Kragel PJ; Weiss GH; Linehan WM: Von Hippel–Lindau disease: inadequacy of angiography for identification of renal cancers, Radiology 1991; **179:** 833
Miller DL; Doppman JL: petrosal sinus sampling: technique and rationale, Radiology 1991; **178:** 37
Miller DL; Doppman JL; Nieman LK; Cutler GB Jr; Chrousos G; Loriaux DL; Oldfield EH: petrosal sinus sampling: discordant lateralization of ACTH-secreting pituitary microadenomas before and after stimulation with corticotropin-releasing hormone, Radiology 1990; **176:** 429
Miller DL; Reese JA; Frazier ME: single strand DNA breaks in human leukocytes induced by ultrasound *in vitro*, Ultrasound Med Biol 1989; **15:** 765
Miller DL; Thomas RM; Frazier ME: single strand breaks in CHO cell DNA induced by ultrasonic cavitation *in vitro*, Ultrasound Med Biol 1991; **17:** 401
Miller DL; Thomas RM; Williams AR: mechanisms for hemolysis by ultrasonic cavitation in the rotating exposure system, Ultrasound Med Biol 1991; **17:** 171
Miller DL; Williams AR: bubble cycling as the explanation of the promotion of ultrasonic cavitation in a rotating tube exposure system, Ultrasound Med Biol 1989; **15:** 641
Miller EC See Marshall WG
Miller EI See Chinn DH
Miller FH See Nemcek AA Jr
Miller FH; Fisher MR; Soper W; et al: MRI of hepatic iron deposition in patients with renal transplant, Gastrointest Radiol 1991; **16:** 229
Miller FJ See Cave RK
Miller FJ See Handy JE
Miller FJ See Knighton RA
Miller FJ See Rose SC
Miller FJ; Kensey KR; Nash JE: experimental percutaneous gallstone lithotripsy: results in swine, Radiology 1989; **170:** 985
Miller FJ; Rose SC: intervention for gallbladder disease, Cardiovasc Intervent Radiol 1990; **13:** 264
Miller FJ; Rose SC; Buchi KN; Hunter JG; Nash JE; Kensey KR: percutaneous rotational contact biliary lithotripsy: initial clinical results with the Kensey Nash lithotrite, Radiology 1991; **178:** 781
Miller GA See O'Keefe JH Jr
Miller GA See Schauwecker DS
Miller GG; Best MW; Franko AJ; et al: quantitation of hypoxia in multicellular spheroids by video image analysis, Int J Radiat Oncol Biol Phys 1989; **16:** 949
Miller GJ See Kantorowitz DA
Miller GJ See Lile R
Miller GL See Erdman WA
Miller GM See Jack CR Jr
Miller GM See Nesbit GM
Miller HK See Gerald WL
Miller J See Travis RC
Miller J See Worthen NJ
Miller JA See Rudin S
Miller JA III See Fishman EK
Miller JD See Morano JU
Miller JE See Hankins JR
Miller JH See Allwright SJ
Miller JH See Kirks DR
Miller JH See Stanley P
Miller JH See Wang F
Miller JH See Wood BP
Miller JH: upper gastrointestinal tract evaluation with radionuclides in infants, Radiology 1991; **178:** 326
Miller JM Jr; Foster TA; Brown HL; et al: fetal anthropometry at term: effect of menstrual age and relative fetal size, JCU 1989; **17:** 193
Miller JM Jr; Kissling GE; Brown HL; et al: in utero growth of the large-for-menstrual-age fetus, JCU 1989; **17:** 15
Miller JW See Adams MD
Miller KD Jr See Freedy RM
Miller KE See Collins DL
Miller KL See Hopper KD
Miller L; Link MP; Bologna S; et al: cerebellar atrophy caused by high-dose cytosine arabinoside: CT and MR findings, AJR 1989; **152:** 343
Miller LS See London JF
Miller LS; Vinayek R; Frucht H; et al: reflux esophagitis in patients with Zollinger-Ellison syndrome, (ab), Radiology 1990; **176:** 294
Miller M See Doyle T
Miller M See Mikula N Jr
Miller MH See Frederick PR
Miller MJ See Ryoo MC
Miller MW See Doida Y
Miller MW See Quain RM
Miller MW; Azadniv M; Cox C; et al: lack of induced increase in sister chromatid exchanges in human lymphocytes exposed to *in vivo* therapeutic ultrasound, Ultrasound Med Biol 1991; **17:** 81
Miller MW; Azadniv M; Pettit SE; et al: sister chromatid exchanges in Chinese hamster ovary cells exposed to high intensity pulsed ultrasound: inability to confirm previous positive results, Ultrasound Med Biol 1989; **15:** 255
Miller MW; Church CC; Brayman AA; et al: explanation for the decrease in cell lysis in a rotating tube with increasing ultrasound intensity, Ultrasound Med Biol 1989; **15:** 67
Miller MW; Church CC; Ciaravino V: time lapse and microscopic examinations of insonated *in vitro* cells, Ultrasound Med Biol 1990; **16:** 73
Miller MW; Ziskin MC: biological consequences of hyperthermia, Ultrasound Med Biol 1989; **15:** 707
Miller NR See Monsein LH
Miller PJ; Hassanein RS; Giri PGS; et al: univariate and multivariate statistical analysis of high-grade gliomas: the relationship of radiation dose and other prognostic factors, Int J Radiat Oncol Biol Phys 1990; **19:** 275
Miller PL See Swett HA
Miller PR; Klein RM; Teitge RA: medial dislocation of the patella, Skeletal Radiol 1991; **20:** 429
Miller R See Moskovic E
Miller R See Totterman SM
Miller RF See Griffiths MH
Miller RG See Baker AJ
Miller RM See Maccini DM
Miller RR See Dawson WB
Miller RR See Forster BB
Miller RR See Graham NJ
Miller RR See Leung AN
Miller RR See Müller NL
Miller RR See Phillips CJ
Miller RR See Silver SF
Miller RR See Zwirewich CV
Miller RR: bronchioloalveolar cell adenomas, (ab), Radiology 1991; **178:** 897
Miller RR; Müller NL; Vedal S; et al: limitations of computed tomography in the assessment of emphysema, (ab), Radiology 1989; **172:** 883
Miller RW; Raubitschek AA; Harrington FS; et al: isocentric chair for the simulation and treatment of radiation therapy patients, Int J Radiat Oncol Biol Phys 1991; **21:** 469
Miller S See Engeler C
Miller S See Harrison LB
Miller SF; Angtuaco TL; Quirk JG; et al: anorectal atresia presenting as an abdominopelvic mass, J Ultrasound Med 1990; **9:** 669
Miller SF; McCowan TC; Eidt JF; Cook JM; Carver DK: embolization of a prosthetic mitral valve leaflet: localizaton with intravascular US, JVIR 1991; **2:** 375
Miller SF; Shah HR; Pritchard RS; et al: CT diagnosis of right hemothorax secondary to ruptured thoracoabdominal aneurysm: case report, Cardiovasc Intervent Radiol 1989; **12:** 326
Miller SK; Chu W-J; Pohost GM; et al: improvement of spectral resolution in shift-reagent-aided ^{23}Na NMR spectroscopy in the isolated perfused rat heart system, Magn Res Med 1991; **20:** 184
Miller SW See Moore EH
Miller SW: imaging pericardial disease, Radiol Clin North Am 1989; **27:** 1113
Miller TL: correlative imaging, Radiology 1990; **175:** 144
Miller TR See Arrivé L
Miller TR See Lee KJ
Miller TR See Mettler FA Jr
Miller TR See Wallis JW
Miller TR; Jost RG; Sampathkumaran KS; et al: hospital-wide distribution of nuclear medicine studies through a broadband digital network, Semin Nucl Med 1990; **20:** 270
Miller TR; Wallis JW; Grothe RA Jr: design and use of PET tomographs: the effect of slice spacing, J Nucl Med 1990; **31:** 1732
Miller TR; Wallis JW; Sampathkumaran KS: three-dimensional display of gated cardiac blood-pool studies, J Nucl Med 1989; **30:** 2036
Miller TT See Abdelwahab IF
Miller WA See Lester JW Jr
Miller WJ; Campbell WL; Zajko AB; et al: obstructive dilatation of extrahepatic recipient and donor bile ducts complicating orthotopic liver transplantation: imaging and laboratory findings, AJR 1991; **157:** 29
Miller WJ; Federle MP; Campbell WL: diagnosis and staging of hepatocellular carcinoma: comparison of CT and sonography in 36 liver transplantation patients, AJR 1991; **157:** 303
Miller WT See Conant EF
Miller WT See Greene R
Miller WT See Li C
Miller WT See Miller WT Jr
Miller WT: impact of clinical history on fracture detection with radiography, Radiology 1989; **170:** 576
Miller WT Jr See Soulen MC
Miller WT Jr: bowler hat sign, (ab), Radiology 1991; **181:** 291
Miller WT Jr: drug-related pleural and mediastinal disorders, J Thorac Imag 1991; **6-1:** 36
Miller WT Jr; Edelman JM; Miller WT: cryptococcal pulmonary infection in patients with AIDS: radiographic appearance, Radiology 1990; **175:** 725
Miller WT Jr; Levine MS; Rubesin SE; Laufer I: bowler-hat sign: a simple principle for differentiating polyps from diverticula, Radiology 1989; **173:** 615
Millet B; Higenbottam TW; Flower CDR; et al: radiographic appearances of infection and acute rejection of the lung after heart-lung transplantation, (ab), Radiology 1990; **174:** 290
Millett DT; Chapple ILC; Hirschmann PN; et al: septic osteoradionecrosis of the mandible associated with pathological fracture: report of two cases, Clin Radiol 1990; **41:** 408
Milligan AJ See Bagne FR
Milligan FD See Kuhlman JE
Millikan WJ Jr See Martin LG
Millin J See Intenzo CM
Million RR See Marcus RB Jr
Million RR See Taylor BW Jr
Milliren JW: health policy analysis and magnetic resonance imaging: the case of the New York State demonstration project, Clin Imag 1989; **13:** 16
Millis RR See Lammie GA
Millner MM See Ebner F
Millner MM See Hausegger KA
Mills A See Dehner LP
Mills BJA See Collier BD
Mills BJA; Krasnow AZ; Collier BD; et al: extrapulmonary activity during perfusion lung imaging with Tc-99m MAA, Clin Nucl Med 1990; **15:** 128

Mills CM See **Baron AL**
Mills GA See **Brown JCC**
Mills JA; Martin-Smith P: assessment of a radiotherapy beam analyser, Br J Radiol 1991; **64:** 547
Mills JL See **Spies JB**
Mills JOM: esophageal disruption: evaluation with iohexol esophagography, Radiology 1989; **173:** 284
Mills MD; Almond PR; Boyer AL; et al: shielding considerations for an operating room based intraoperative electron radiotherapy unit, Int J Radiat Oncol Biol Phys 1990; **18:** 1215
Mills P; Grundy A: technical report: percutaneous treatment of a pancreatic duct fistula facilitated by an hydrophilic guide wire, Clin Radiol 1991; **43:** 347
Mills P; Husband J: computed tomography of pulmonary bleomycin toxicity, Semin US CT MR 1990; **11:** 417
Mills P; Joseph AEA; Adam EJ: total abdominal and pelvic ultrasound: incidental findings and a comparison between outpatient and general practice referrals in 1000 cases, Br J Radiol 1989; **62:** 974
Mills P; Parsons CA: primary orbital lymphoma: staging by computed tomographic scanning, Br J Radiol 1989; **62:** 287
Mills P; Saverymuttu S; Fallowfield M; et al: ultrasound in the diagnosis of granulomatous liver disease, Clin Radiol 1990; **41:** 113
Millward S; Salonen D; Joanes F: colonic aphthous ulcers in pseudomembranous colitis, J Canad Assoc Radiol 1989; **40:** 53
Millward SF See **Bhargava R**
Millward SF: intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Radiology 1989; **173:** 283
Millward SF: routine transbrachial angiography, Radiology 1989; **172:** 577
Millward SF; Jaward MA; Henderson DR: percutaneous transluminal angioplasty of stenosis at the common iliac artery origin using a single-balloon technique, J Canad Assoc Radiol 1989; **40:** 38
Millward SF; Kisiel B: use of a plastic pin vise to aid in torque control with a hydrophilic-polymer guide wire, Radiology 1989; **173:** 580
Millward SF; Lamb MN; Barron PT: use of a balloon catheter to control hemorrhage from the subclavian artery after removal of an inadvertently placed catheter, AJR 1991; **156:** 1261
Millward SF; Marsh JI; Peterson RA: outpatient transfemoral angiography with a two-hour observation period, Cardiovasc Intervent Radiol 1989; **12:** 290
Milman N See **Laub M**
Milman U See **Hardoff R**
Milne ENC: hydrostatic versus increased permeability pulmonary edema, Radiology 1989; **170:** 891
Milne N; Light RW; Chetty KG: exercise-induced changes in left ventricular function after phlebotomy in patients with polycythemic COPD, J Thorac Imag 1990; **5-3:** 68
Milner AE See **Gordon DJ**
Milner SJ; Blease SCP: does scrotal ultrasound reduce the need for orchidectomy in the clinically malignant testis?, Br J Radiol 1990; **63:** 263
Milon P See **Laissy J-P**
Milroy EJG See **Donald JJ**
Milroy EJG See **Lloyd MNH**
Milroy EJG; Cooper JE; Wallsten H; et al: new treatment for urethral strictures, (ab), Radiology 1989; **170:** 289
Milsom JW; Graffner H: intrarectal ultrasonography in rectal cancer staging and in the evaluation of pelvic disease: clinical uses of intrarectal ultrasound, (ab), Radiology 1991; **180:** 588
Milster TD; Aarsvold JN; Barrett HH; et al: full-field modular gamma camera, J Nucl Med 1990; **31:** 632
Milton WJ See **Rafto SE**
Milton WJ; Atlas SW; Lexa FJ; Mozley PD; Gur RE: deep gray matter hypointensity patterns with aging in healthy adults: MR imaging at 1.5 T, Radiology 1991; **181:** 715
Milunski MR; Canter CE; Wickline SA; et al: cardiac cycle-dependent variation of integrated backscatter is not distorted by abnormal myocardial wall motion in human subjects with paradoxical septal motion, Ultrasound Med Biol 1989; **15:** 311
Milutinovic J; Darcy M; Thompson KA: radiation-induced renovascular hypertension successfully treated with transluminal angioplasty: case report, Cardiovasc Intervent Radiol 1990; **13:** 29
Mimica IM See **Arruda LK**
Min WS; Song CW; Uckun FM: thermal sensitivity and thermal tolerance of human B-lineage acute lymphoblastic leukemia (ALL) cells, Int J Radiat Oncol Biol Phys 1990; **18:** 147
Minakuchi K See **Fujimoto K**
Minakuchi K; Fujimoto K; Takada K; et al: hepatocellular carcinoma associated with polyarteritis nodosa with symptoms appearing after intra-arterial chemotherapy, Br J Radiol 1991; **64:** 272
Minami A See **Itoh K**
Minami M See **Yoshida H**
Minami M; Itai Y; Ohtomo K; Ohnishi S; Niki T; Kokubo T; Yoshikawa K; Iio M: siderotic nodules in the spleen: MR imaging of portal hypertension, Radiology 1989; **172:** 681
Minami M; Itai Y; Ohtomo K; Yoshida H; Yoshikawa K; Iio M: cystic neoplasms of the pancreas: comparison of MR imaging with CT, Radiology 1989; **171:** 53
Minami M; Kawauchi N; Yoshikawa K; Itai Y; Kokubo T; Iguchi M; Masuyama S; Takeuchi K; Iio M: malignancy associated with chronic empyema: radiologic assessment, Radiology 1991; **178:** 417
Minami S See **Okumura R**
Minami S See **Sagoh T**
Minami S See **Togashi K**
Minamiji K See **Mori T**
Minar E See **Jung M**
Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A: platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Radiology 1989; **170:** 767
Mindell HJ: pitfalls in sonography of renal masses, Urol Radiol 1989; **11:** 215
Mindell HJ: transurethral prolapse of a simple ureterocele in a boy: case report, Urol Radiol 1990; **12:** 103
Mindell HJ; Korson R: comparison of 22-gauge Chiba and screw-tipped needles for cytologic diagnosis of malignancy in in vitro tumor specimens, Radiology 1990; **176:** 681
Mindelzun RE; Stone JM: volvulus of the splenic flexure: radiographic features, Radiology 1991; **181:** 221
Minehan KJ; Martenson JA Jr; Garrity JA; et al: local control and complications after radiation therapy for primary orbital lymphoma: a case for low-dose treatment, Int J Radiat Oncol Biol Phys 1991; **20:** 791
Mineura K; Fushimi S; Sugawara T; et al: computed tomography (CT) and magnetic resonance (MR) imaging of heterotopic gray matter presenting with late-onset seizures, Comput Med Imag Graph 1990; **14:** 217
Mineura K; Sasajima T; Kowada M; et al: innovative approach in the diagnosis of gliomatosis cerebri using carbon-11-L-methionine positron emission tomography, J Nucl Med 1991; **32:** 726
Mineura K; Yasuda T; Suda Y; et al: Ewing's sarcoma with intracranial metastasis presenting depressed cerebral blood flow and metabolism in the contralateral gray matter, Comput Med Imag Graph 1989; **13:** 185
Minford JE See **Narborough GC**
Mingchen Z: results of radiotherapy in nasopharyngeal cancer: a retrospective comparison of split-course and continuous-course treatment schedules, Acta Oncol 1989; **28:** 77
Minichiello MM; Albert DM; Kolodny NH; et al: perfusion system developed for ^{31}P NMR study of melanoma cells at tissue-like density, Magn Res Med 1989; **10:** 96
Mink J See **Borenstein ZCF**
Mink JH See **Deutsch AL**
Mink JH See **Shellock FG**
Mink JH See **Silverman JM**
Mink JH; Deutsch AL: occult cartilage and bone injuries of the knee: detection, classification, and assessment with MR imaging, Radiology 1989; **170:** 823
Minkoff J See **Rafii M**
Minkowitz G See **Conners CJ**
Minkowitz G See **Olson SR**
Minkowitz S See **Arsura EL**
Minor PL See **Mewissen MW**
Minor ST See **Rodgers GP**
Minsky BD; Mies C; Rich TA; et al: lymphatic vessel invasion is an independent prognostic factor for survival in colorectal cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 311
Minsky BD; Wesson MF; Armstrong JG; et al: combined modality therapy of extrahepatic biliary system cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 1157
Mintorovitch J See **Kucharczyk J**
Mintorovitch J See **Moseley ME**
Mintorovitch J; Moseley ME; Chileuitt L; et al: comparison of diffusion- and T2-weighted MRI for the early detection of cerebral ischemia and reperfusion in rats, Magn Res Med 1991; **18:** 39
Mintun MA See **Fox PT**
Mintz A See **Shapiro R**
Mintz A; Rosenson A; Saltiel AA; et al: duodenal hematoma: a mechanical cause for enterogastric reflux in cholescintigraphy, Clin Nucl Med 1991; **16:** 490
Mintz MC See **Yeager BA**
Minuk J; Melançon D; Tampieri D; Ethier R: transient global amnesia associated with cerebral angiography performed with use of iopamidol, Radiology 1990; **174:** 285
Minuk T See **O'Malley BP**
Minutoli A See **Gaeta M**
Minutoli A; Volta S; Gaeta M: delayed enhancement of ascites following high-dose contrast CT for liver metastases, JCAT 1989; **13:** 916
Miotto D See **Savastano S**
Miralbell R See **Suit HD**
Miralbell R; Suit HD; Mankin HJ; et al: fibromatoses: from postsurgical surveillance to combined surgery and radiation therapy, Int J Radiat Oncol Biol Phys 1990; **18:** 535
Miralbell R; Zietman A; Okunieff P; et al: fractionation sensitivity and immunological status in radiation treated murine sarcomas, Int J Radiat Oncol Biol Phys 1990; **18:** 867
Miraldi F: monoclonal antibodies and neuroblastoma, Semin Nucl Med 1989; **19:** 282
Miraldi FD See **Fletcher BD**
Miralles M; Gonzalez G; Pulpeiro JR; et al: sonography of the painful hip in children: 500 consecutive cases, AJR 1989; **152:** 579
Miralles R See **Gutiérrez J**
Miranda AA See **Hill JA**
Miranda CP See **Tobis JM**
Mirfakhraee M See **Benzel EC**
Mirich D; Wright KC; Wallace S; Yoshioka T; Lawrence DD Jr; Charnsangavej C; Gianturco C: percutaneously placed endovascular grafts for aortic aneurysms: feasibility study, Radiology 1989; **170:** 1033
Mirich DR; Blaser SI; Harwood-Nash DC; et al: melanotic neuroectodermal tumor of infancy: clinical, radiologic, and pathologic findings in five cases, AJNR 1991; **12:** 689
Mirich DR; Gray RR: infracolic percutaneous gastrojejunostomy: technical note, Cardiovasc Intervent Radiol 1989; **12:** 340
Mirich DR; Gray RR; Goldberg SD: unusual tubular calcification of a nephrostomy tract, Urol Radiol 1989; **11:** 118
Mirich DR; Gray RR; Grosman H: abdominal plexiform neurofibromatosis simulating pseudomyxoma peritonei on computed tomography, JCAT 1989; **13:** 709
Mirich DR; Gray RR; Haber GB: percutaneous deflation of a gastric balloon: technical note, Cardiovasc Intervent Radiol 1989; **12:** 164
Mirich DR; Gray RR; Hyland R: *Legionella* lung cavitation, J Canad Assoc Radiol 1990; **41:** 100
Mirimanoff R-O See **Hellbardt A**
Miró F See **Pellicer A**
Miro JM; Brancos MA; Abello R; et al: costochondral involvement in systemic candidiasis in heroin addicts: clinical, scintigraphic, and histologic features in 26 patients, (ab), Radiology 1989; **170:** 588
Miro P See **Wells RG**
Miró R See **Barrios L**
Miron M-C; Dussault RG; Robillard P: general case of the day, Radiographics 1990; **10:** 735
Miron S See **Karlins NL**
Miron SD See **Gentili A**
Miron SD; Wiesen EJ; Feiglin DH; et al: generation of parametric images during routine Tc-99m PYP inhalation/Tc-99m MAA perfusion lung scintigraphy: technical note, Clin Nucl Med 1991; **16:** 501
Mirowitz S See **Gutierrez F**
Mirowitz SA See **Brown JJ**
Mirowitz SA See **Eilenberg SS**
Mirowitz SA See **Hammerman AM**
Mirowitz SA See **Solomon SL**
Mirowitz SA: normal rotator cuff: MR imaging with conventional and fat-suppression techniques, Radiology 1991; **180:** 735
Mirowitz SA; Brown JJ; Lee JKT; Heiken JP: dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Radiology 1991; **179:** 681
Mirowitz SA; Gutierrez FR; Canter CE; Vannier MW: tetralogy of Fallot: MR findings, Radiology 1989; **171:** 207
Mirowitz SA; Gutierrez E; Lee JKT; Brown JJ; Heiken JP: normal abdominal enhancement patterns with dynamic gadolinium-enhanced MR imaging, Radiology 1991; **180:** 637
Mirowitz SA; Lee JKT: optimizing MR imaging of the abdomen: the case for rapid-acquisition spin-echo MR imaging, Radiology 1991; **179:** 612
Mirowitz SA; Lee JKT; Brown JJ; Eilenberg SS; Heiken JP; Perman WH: rapid acquisition spin-echo (RASE) MR imaging: a new technique for reduction of artifacts and acquisition time, Radiology 1990; **175:** 131

Mirowitz SA; Lee JKT; Gutierrez FR; et al: "pseudocoarctation" of the aorta: pitfall on cine MR imaging, JCAT 1990; **14:** 753

Mirowitz SA; Lee JKT; Gutierrez E; Brown JJ; Heiken JP; Eilenberg SS: dynamic gadolinium-enhanced rapid acquisition spin-echo MR imaging of the liver, Radiology 1991; **179:** 371

Mirowitz SA; Lee JKT; Gutierrez FR; Brown JJ; Eilenberg SS: normal signal-void patterns in cardiac cine MR images, Radiology 1990; **176:** 49

Mirowitz SA; Lee JKT; Heiken JP: cavernous hemangioma of the liver: assessment of MR tissue specificity with a simplified T2 index, JCAT 1990; **14:** 223

Mirowitz SA; Sartor K; Gado M: high-intensity basal ganglia lesions on T1-weighted MR images in neurofibromatosis, AJNR 1989; **10:** 1159

Mirowitz SA; Sartor K; Gado M: high-intensity basal ganglia lesions on T1-weighted MR images in neurofibromatosis, AJR 1990; **154:** 369

Mirowitz SA; Sartor K; Gado M; Torack R: focal signal-intensity variations in the posterior internal capsule: normal MR findings and distinction from pathologic findings, Radiology 1989; **172:** 535

Mirowitz SA; Sartor K; Prensky AJ; et al: neurodegenerative diseases of childhood: MR and CT evaluation, JCAT 1991; **15:** 210

Mirowitz SA; Westrich TJ; Hirsch JD: hyperintense basal ganglia on T1-weighted MR images in patients receiving parenteral nutrition, Radiology 1991; **181:** 117

Mirra J See **McGlade CT**

Mirra JM See **Crim JR**

Mirra JM See **Dungan DH**

Mirra JM See **Gentry JF**

Mirra JM See **Gold RH**

Mirra JM See **Ostlere SJ**

Mirsky PJ See **Mitchell DG**

Mirvis SE See **Chirico PA**

Mirvis SE See **Cornwell EE III**

Mirvis SE See **Gelman R**

Mirvis SE See **Goldstein L**

Mirvis SE See **Meyer CA**

Mirvis SE See **Richardson P**

Mirvis SE See **Thomeier WC**

Mirvis SE: diagnostic imaging of the urinary system following blunt trauma, Clin Imag 1989; **13:** 269

Mirvis SE; Diaconis JN; Chirico PA; Reiner BI; Joslyn JN; Militello P: protocol-driven radiologic evaluation of suspected cervical spine injury: efficacy study, Radiology 1989; **170:** 831

Mirvis SE; Geisler FH: intraoperative sonography of cervical spinal cord injury: results in 30 patients, AJNR 1990; **11:** 755

Mirvis SE; Geisler FH: intraoperative sonography of cervical spinal cord injury: results in 30 patients, AJR 1990; **155:** 603

Mirvis SE; Whitley NO: blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment: reply, Radiology 1989; **173:** 285

Mirvis SE; Whitley NO; Gens DR: blunt splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Radiology 1989; **171:** 33

Mirvis SE; Whitley NO; Vainwright JR Jr; Gens DR: blunt hepatic trauma in adults: CT-based classification and correlation with prognosis and treatment, Radiology 1989; **171:** 27

Mirvis SE; Wolf AL; Numaguchi Y; et al: posttraumatic cerebral infarction diagnosed by CT: prevalence, origin, and outcome, AJNR 1990; **11:** 355

Mirvis SE; Wolf AL; Numaguchi Y; et al: posttraumatic cerebral infarction diagnosed by CT: prevalence, origin, and outcome, AJR 1990; **154:** 1293

Mirza MR; Brincker H: MIME combination chemotherapy in recurrent or refractory lymphoproliferative malignancies: a phase II study, Acta Oncol 1991; **30:** 17

Mirza W See **Elster AD**

Misaki T; Dokoh S; Yagi K; et al: gallium-67-citrate imaging in the detection of focal lesions for anemia, proteinuria, and prolonged fever, J Nucl Med 1990; **31:** 512

Misawa T See **Akahoshi K**

Misawa T See **Fujishima H**

Miser JS See **Kinsella TJ**

Miser JS See **Young MM**

Mishkin FS; Mason GR: application of nuclear medicine techniques to the study of ARDS, J Thorac Imag 1990; **5-3:** 1

Mishkin MM See **Flanders AE**

Mishkin MM See **Siegelman ES**

Mishkin MM See **Wolf GL**

Mishra GK See **Vernekar JA**

Mishra N See **Sharma S**

Misonoo M See **Hirooka N**

Misra BK See **Whittle IR**

Misra N See **Sharma S**

Misra NK See **Aggarwal S**

Misra SP; Gulati P; Choudhary V; et al: pancreatic duct abnormalities in gall stone disease: an endoscopic retrograde cholangiopancreatographic study, (ab), Radiology 1991; **179:** 291

Missir O See **Musolino A**

Missir O; Dormont D; Pierot L: MR visualization of CSF flow through a ventriculo-cisternostomy, Neuroradiol 1989; **31:** 93

Missir O; Dutheil-Desclercs C; Meder JF; et al: central sulcus patterns at MRI, J Neuroradiol 1989; **16:** 133

Mistretta CA See **Ergun DL**

Mistretta CA See **Kelcz F**

Mistry R See **Watkinson JC**

Mistry R See **West DJ**

Mitake M; Nakazawa S; Naitoh Y; et al: endoscopic US in diagnosis of the extent of gallbladder carcinoma, (ab), JVIR 1991; **2:** 419

Mitake M; Nakazawa S; Tsukamoto Y; et al: endoscopic ultrasonography in the diagnosis of depth invasion and lymph node metastasis of carcinoma of the papilla of Vater, J Ultrasound Med 1990; **9:** 645

Mitby JK See **Gurney JW**

Mitchell AK See **Blamey RW**

Mitchell CS See **Osborn RE**

Mitchell DA See **Smith DC**

Mitchell DB See **Wylie EJ**

Mitchell DG See **Burk DL Jr**

Mitchell DG See **Ehman RL**

Mitchell DG See **Igidbashian VN**

Mitchell DG See **Kurtz AB**

Mitchell DG See **Liu J-B**

Mitchell DG See **Murphy WA Jr**

Mitchell DG See **Siegelman ES**

Mitchell DG See **Sudakoff GS**

Mitchell DG See **Vinitski S**

Mitchell DG: color Doppler imaging: principles, limitations, and artifacts, Radiology 1990; **177:** 1

Mitchell DG: preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders: invited commentary, Radiographics 1991; **11:** 792

Mitchell DG: rapid-acquisition spin-echo MR imaging of the liver: a critical view, Radiology 1991; **179:** 609

Mitchell DG: using MR imaging to probe the pathophysiology of osteonecrosis, Radiology 1989; **171:** 25

Mitchell DG; Blum L; Kurtz AB: ultrasound case of the day, Radiographics 1990; **10:** 366

Mitchell DG; Burns P; Needleman L: color Doppler artifact in anechoic regions, J Ultrasound Med 1990; **9:** 255

Mitchell DG; Merton DA; Graziani LJ; Desai HJ; Desai SA; Wolfson PJ; Gross GW: right carotid artery ligation in neonates: classification of collateral flow with color Doppler imaging, Radiology 1990; **175:** 117

Mitchell DG; Merton DA; Mirsky PJ; Needleman L: circle of Willis in newborns: color Doppler imaging of 53 healthy full-term infants, Radiology 1989; **172:** 201

Mitchell DG; Rubin R; Siegelman ES; Burk DL Jr; Rifkin MD: hepatocellular carcinoma within siderotic regenerative nodules: appearance as a nodule within a nodule on MR images, Radiology 1991; **178:** 101

Mitchell DG; Schonholz L; Hilpert PL; Pennell RG; Blum L; Rifkin MD: zones of the uterus: discrepancy between US and MR images, Radiology 1990; **174:** 827

Mitchell DG; Vinitski S; Burk DL Jr; Levy DW; Rifkin MD: variable-flip-angle spin-echo MR imaging of the pelvis: more versatile T2-weighted images, Radiology 1989; **171:** 525

Mitchell DG; Vinitski S; Mohamed FB; Mammone JF; Haidet K; Rifkin MD: comparison of Kaopectate with barium for negative and positive enteric contrast at MR imaging, Radiology 1991; **181:** 475

Mitchell DG; Vinitski S; Rifkin MD; et al: sampling bandwidth and fat suppression: effects on long TR/TE MR imaging of the abdomen and pelvis at 1.5 T, AJR 1989; **153:** 419

Mitchell DG; Vinitski S; Saponaro S; Tasciyan T; Burk DL Jr; Rifkin MD: liver and pancreas: improved spin-echo T1 contrast by shorter echo time and fat suppression at 1.5 T, Radiology 1991; **178:** 67

Mitchell DK; Nichols ST; Smith MR; et al: use of band-selectable digital filtering in magnetic resonance image enhancement, Magn Res Med 1989; **9:** 353

Mitchell DM See **Sharp JT**

Mitchell JB See **Phillips TL**

Mitchell JB; Cook JA; DeGraff W; et al: keynote address: glutathione modulation in cancer treatment: will it work?, Int J Radiat Oncol Biol Phys 1989; **16:** 1289

Mitchell L; Jenkins JPR; Watson Y; et al: diagnosis and assessment of mitral and aortic valve disease by cine-flow magnetic resonance imaging, Magn Res Med 1989; **12:** 181

Mitchell MD See **Detre JA**

Mitchell MJ; Ho C; Resnick D; et al: diagnostic imaging of lower extremity trauma, Radiol Clin North Am 1989; **27:** 909

Mitchell MJ; Sartoris DJ; Moody D; Resnick D: cauda equina syndrome complicating ankylosing spondylitis, Radiology 1990; **175:** 521

Mitchell P; Gibson R; Thomson K: duplex ultrasound assessment of extra cranial carotid artery disease: its introduction into a radiology department, Australas Radiol 1991; **35:** 40

Mitchell S See **Dunnick NR**

Mitchell SCM See **Sapherson DA**

Mitchell SE See **Kaufman SL**

Mitchell SE See **Savader SJ**

Mitchell SE See **Sullivan KL**

Mitchell SE See **Venbrux AC**

Mitchell SE See **Widlus DM**

Mitchell SL See **Ross BD**

Mitchell SL: atlas of clinical oral diagnostic imaging, Radiology 1991; **180:** 84

Mitchell SL: magnetic resonance video review: MRI of brain tumors, parts 1 and 2, Radiographics 1991; **11:** 1086

Mitchell WG; Crawford TO: intraparenchymal cerebral cysticercosis in children, (ab), Radiology 1989; **170:** 590

Mitnick JS; Harris MN; Roses DF: mammographic detection of carcinoma of the breast in patients with augmentaion prostheses, (ab), Radiology 1989; **172:** 586

Mitnick JS; Roses DF; Harris MN: differentiation of postsurgical changes from carcinoma of the breast, (ab), Radiology 1989; **170:** 584

Mitnick JS; Roses DF; Harris MN; Feiner HD: circumscribed intraductal carcinoma of the breast, Radiology 1989; **170:** 423

Mitnick JS; Roses DF; Harris MN; Feiner HD: circumscribed intraductal carcinoma of the breast: reply, Radiology 1989; **172:** 579

Mitnick JS; Vazquez MF; Harris MN; Roses DF: differentiation of radial scar from scirrhous carcinoma of the breast: mammographic-pathologic correlation, Radiology 1989; **173:** 697

Mitnick JS; Vazquez MF; Harris MN; Schechter S; Roses DF: invasive papillary carcinoma of the breast: mammographic appearance, Radiology 1990; **177:** 803

Mitomo M See **Hashimoto T**

Mitomo M See **Hirabuki N**

Mitra A See **Mesgarzadeh M**

Mitsumori M See **Hayakawa K**

Mitsumori M; Hayakawa K; Abe M: ECG changes during cerebral angiography; a comparison of low osmolality contrast media, Eur J Radiol 1991; **13:** 55

Mitsumori M; Hayakawa K; Soga T; et al: effects of contrast media on the RR and QT interval during coronary arteriography, Acta Radiol 1991; **32:** 120

Mitsuo H See **Kakitsubata Y**

Mittal A; Saha MM; Pandey KK: peroral pneumo colon—a double contrast technique to evaluate distal ileum and proximal colon, Australas Radiol 1990; **34:** 72

Mittal BB See **Shevlin BE**

Mittal BB; Sathiaseelan V; Kies MS: simultaneous localized 915 MHz external and interstitial microwave hyperthermia to heat tumors greater than 3 cm in depth, Int J Radiat Oncol Biol Phys 1990; **19:** 669

Mittal VK See **Hans B**

Mitten RM See **Coley BD**

Mitten RM See **Hilpert PL**

Mittl RL Jr; Yeh I-T; Kressel HY: high-signal-intensity rim surrounding uterine leiomyomas on MR images: pathologic correlation, Radiology 1991; **180:** 81

Mitty HA See **Edelman MA**

Mitty HA See **Mendelson DS**

Mitty HA See **Rackson ME**

Mitty HA See **Sanborn TA**

Mitty HA See **Winsberg F**

Mitty HA: adrenal venous sampling and adrenal biopsy, Urol Radiol 1989; **11:** 227

Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM: role of angiography in limb-tumor surgery, Radiographics 1991; **11:** 1029

Mitty HA; Sanborn TA; Train JS; et al: laser catheter thermal angioplasty: technique and early results in 34 patients, AJR 1989; **153:** 617

Mitzner A See **Heelan RT**

Mitzner W See **Herold CJ**

Miura K See **Nakao N**

Miura T See **Hashimoto T**

Miura T See **Hirabuki N**

Miura T See **Hishikawa Y**
Miura T; Hirabuki N; Kozuka T: case report: cranial metastasis from hepatocellular carcinoma, Clin Radiol 1990; **42:** 445
Mivechi NF See **Wong JYC**
Mivechi NF; Ogilvie PD: enhancement of murine bone marrow ablation by combining whole body hyperthermia with total body irradiation and cyclophosphamide, Int J Radiat Oncol Biol Phys 1989; **17:** 117
Miya P See **Hutchins WW**
Miyakawa S See **Niitsu M**
Miyake H See **Mori H**
Miyake H; Iwanaga S; Suzuki K; et al: delayed appearance of localized pericardial effusion after cardiac surgery, AJR 1991; **157:** 19
Miyake H; Maeda H; Kurauchi S; et al: thickened gastric walls showing diffuse low attenuation on CT, JCAT 1989; **13:** 253
Miyake H; Maeda H; Tashiro M; et al: CT of adrenal tumors: frequency and clinical significance of low-attenuation lesions, AJR 1989; **152:** 1005
Miyake H; Matsumoto S; Ueda S; et al: common bile duct cancer with massive necrosis mimicking choledochal dilatation on CT: case report, Acta Radiol 1991; **32:** 337
Miyake O See **Hosomi M**
Miyamae T See **Muramatsu T**
Miyamoto S; Sasaki N; Tanabe Y: magnetic resonance imaging in familial central diabetes insipidus, Neuroradiol 1991; **33:** 272
Miyamoto Y See **Toyoda K**
Miyamoto Y; Fukuda Y; Urushibara K; et al: ultrasonographic findings in duodenum caused by Schönlein–Henoch purpura, JCU 1989; **17:** 299
Miyamoto Y; Nakatani M; Ida M; et al: ultrasonographic findings in gastric cancer: in vitro and in vivo studies, JCU 1989; **17:** 309
Miyasaka K See **Irie G**
Miyasaka Y See **Endo M**
Miyashita T See **Manabe T**
Miyauchi T See **Ogawa T**
Miyazaki S See **Katayama Y**
Miyazawa N See **Goya T**
Miyazawa N See **Mori K**
Miyazawa N See **Yokoi K**
Miyazawa T; Nakagawa H; Oshino N: role of red blood cell deformation in toxicity of contrast media in cerebral angiography, Invest Radiol 1989; **24:** 383
Miyazawa T; Sho C; Nakagawa H; et al: effect of water-soluble contrast medium on the lung in rats: comparison of iotrolan, iopamidol, and diatrizoate, Invest Radiol 1990; **25:** 999
Miyoshi S See **Nakahara K**
Miyoshi T See **Itami J**
Mize W; Ball WS Jr; Towbin RB; et al: atypical CT and MR appearance of a Rathke cleft cyst, AJNR 1989; **10:** S83
Mizuguchi Y See **Brandt D**
Mizukami Y See **Michigishi T**
Mizumoto CT; Yoshitome E: multiple echo SSFP sequences, Magn Res Med 1991; **18:** 244
Mizushima A See **Smith AS**
Mizutani M See **Sugimura K**
Mladinich C See **Akins EW**
Mnaymneh W See **Tehranzadeh J**
Mnif J See **Crouzet G**
Moak GD See **Conces DJ Jr**
Moattari R See **Vinik AI**
Moberger B; Auer G; Einhorn N; et al: prognostic significance of growth pattern and its relation to tumor cell nuclear DNA content in endometrial carcinoma, Acta Oncol 1990; **29:** 17
Mochizuki F See **Fujita N**
Mochizuki T; Fabiszewski NW; Shah AN; et al: mischief of free Tc-99m in DTPA renal study, Clin Nucl Med 1991; **16:** 455
Mochizuki T; Murase K; Fujiwara Y; et al: assessment of systolic thickening with thallium-201 ECG-gated single-photon emission computed tomography: a parameter for local left ventricular function, J Nucl Med 1991; **32:** 1496
Modaine P See **Delamarre J**
Mödder U See **Kahn T**
Mödder U See **Kuhn F-P**
Modell JG See **Mountz JM**
Modi G; Campbell H; Bill P: subacute sclerosing panencephalitis: changes on CT scan during acute relapse, Neuroradiol 1989; **31:** 433
Modic MT See **Capp MP**
Modic MT See **Haacke EM**
Modic MT See **Kieffer SA**
Modic MT See **Lewin JS**
Modic MT See **Masaryk AM**
Modic MT See **Masaryk TJ**
Modic MT See **Ross JS**
Modic MT See **Ruggieri PM**
Modic MT See **Saini S**
Modic MT See **Steinberg PM**
Modic MT: neurologic applications, AJR 1991; **156:** 239
Modic MT; Herfkens RJ: intervertebral disk: normal age-related changes in MR signal intensity, Radiology 1990; **177:** 332
Modic MT; Ross JS: morphology, symptoms, and causality, Radiology 1990; **175:** 619
Modl JM; Sether LA; Haughton VM; Kneeland JB: articular cartilage: correlation of histologic zones with signal intensity at MR imaging, Radiology 1991; **181:** 853
Modlin IM; Esterline W; Kim H; et al: enterochromaffin-like cells and gastric argyrophil carcinoidosis, Acta Oncol 1991; **30:** 493
Modock RB See **Carvlin MJ**
Moeller G See **Littleton JT**
Moeller JH See **Leavitt DD**
Moeller JR See **Dhawan V**
Moen JG See **Junck L**
Moerlein SM; Daugherty A; Sobel BE; et al: metabolic imaging with gallium-68- and indium-111-labeled low-density lipoprotein, J Nucl Med 1991; **32:** 300
Moes CAF See **Burrows PE**
Moës CAF See **Pinzon JL**
Moeser P; Bechtold RE; Clark T; et al: MR imaging of anterior cruciate ligament repair, JCAT 1989; **13:** 105
Moeser PM; Donofrio PD; Karstaedt N; et al: MRI findings of sciatic endometriosis, Clin Imag 1990; **14:** 64
Mofti A See **El-Desouki M**
Mogavero GT; Fishman EK; Magid D: osseous sporotrichosis: CT appearance. case report, Clin Imag 1991; **15:** 56
Mogensen B See **Mogensen O**
Mogensen H See **Pfeiffer P**
Mogensen O; Mogensen B; Jakobsen A; et al: preoperative measurement of cancer antigen 125 (CA 125) in the differential diagnosis of ovarian tumors, Acta Oncol 1989; **28:** 471
Moggio RA See **Pucillo AL**
Mogus RM See **Weiser JC**
Mohadjer M See **Mayfrank L**
Mohama R See **LaManna MM**
Mohamed FB See **Mitchell DG**
Mohammad MMJ See **Hassan IM**
Mohan R See **Drzymala RE**
Mohan R See **Kutcher GJ**
Mohan V; Gupta SK; Bhushan B: osteopathia striata with cranial sclerosis, Australas Radiol 1990; **34:** 249
Mohapatro AK; Thomas M; Jain S; et al: pancerebellar syndrome in hyperpyrexia, Australas Radiol 1990; **34:** 320
Mohd TH See **Rathakrishnan V**
Mohiaddin RH See **Kilner PJ**
Mohiaddin RH See **Rees S**
Mohiaddin RH; Amanuma M; Kilner PJ; et al: MR phase-shift velocity mapping of mitral and pulmonary venous flow, JCAT 1991; **15:** 237
Mohiaddin RH; Lowell DG; Underwood RS; et al: diagnosis of femoral arteriovenous fistula by MR imaging with velocity mapping, JCAT 1991; **15:** 697
Mohiaddin RH; Schoser K; Amanuma M; et al: MR imaging of age-related dimensional changes of thoracic aorta, JCAT 1990; **14:** 748
Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB: vena caval flow: assessment with cine MR velocity mapping, Radiology 1990; **177:** 537
Mohiuddin M See **Leibel SA**
Mohiuddin M See **Marcial VA**
Mohiuddin M; Marks G: high dose preoperative irradiational for cancer of the rectum, 1976–1988, Int J Radiat Oncol Biol Phys 1991; **20:** 37
Mohiuddin SM See **Siffring PA**
Mohr FW See **Litvack F**
Mohr G See **Soucy JP**
Mohr GA See **Barzilai B**
Moinuddin M See **Rockett JF**
Moinuddin M: radionuclide scanning in the detection of drug-induced lung disorders, J Thorac Imag 1991; **6-1:** 62
Moinuddin SM See **Dollahite HA**
Moisan A See **Loréal O**
Moise KJ Jr See **Mari G**
Moise KJ Jr See **Sharif DS**
Mojiminiyi OA; Udelsman R; Soper NDW; et al: pentavalent Tc-99m DMSA scintigraphy: prospective evaluation of its role in the management of patients with medullary carcinoma of the thyroid, Clin Nucl Med 1991; **16:** 259
Mojtahedi S See **Kim T**
Mojtahedi S See **Rosenblum J**
Mok E See **Bárány M**
Mok PM: sirenomelia: prenatal sonographic features, Australas Radiol 1990; **34:** 68
Moldawer NP See **Fishman JE**
Molgaard CP; Teitelbaum GP; Pentecost MJ; Finck EJ; Davis SH; Dziubinski JE; Daniels JR: intraarterial administration of lidocaine for analgesia in hepatic chemoembolization, JVIR 1990; **1:** 81
Molin MR; Shackford SR: management of splenic trauma in a trauma system, (ab), Radiology 1991; **178:** 290
Molina DM See **Gonzalez EM**
Molina E See **Pfeffer S**
Molina F See **Garcia C**
Molina PL See **Burns MA**
Molina PL See **Glazer HS**
Molina PL See **Kountz PD**
Molina PL See **Liou JTS**
Molina PL See **Schertz LD**
Molina PL See **Siegel MJ**
Molina PL; Siegel MJ; Glazer HS: thymic masses on MR imaging, AJR 1990; **155:** 495
Molina PL; Solomon SL; Glazer HS; et al: one-piece unit for treatment of pneumothorax complicating needle biopsy: evaluation in 10 patients, AJR 1990; **155:** 31
Molinari DS See **Kim CK**
Molisso A See **Solivetti FM**
Moll T See **Amiel M**
Mollan RAB See **Watson P**
Möllenstädt S See **Senekowitsch R**
Möller A: radiography transculcitam: technique and devices to simplify bedside radiography, Radiology 1991; **179:** 283
Möller K See **Grau C**
Möller T See **Garne JP**
Mollet JJ See **Mathieu D**
Molloi SY; Ersahin A; Roeck WW; et al: absolute cross-sectional area measurements in quantitative coronary arteriography by dual-energy DSA, Invest Radiol 1991; **26:** 119
Molloi SY; Weber DM; Peppler WW; et al: quantitative dual-energy coronary arteriography, Invest Radiol 1990; **25:** 908
Molls M See **Feldmann HJ**
Molteni A See **Ward WF**
Molyneux A See **Santosh C**
Momoshima S; Shiga H; Yuasa Y; et al: MR findings in extracerebral cavernous angiomas of the middle cranial fossa: report of two cases and review of the literature, AJNR 1991; **12:** 756
Mompoint D See **Brauner MW**
Mompoint D See **Martin N**
Mompoint D See **Vilgrain V**
Monaco RG See **Goulao A**
Monaco RG; Alvarez H; Goulao A; et al: posterior fossa arteriovenous malformations: angioarchitecture in relation to their hemorrhagic episodes, Neuroradiol 1990; **31:** 471
Monaghan D See **Williams JW**
Monaghan D; Gupta A; Barrington NA: case report: tuberculosis of the spine—an unusual presentation, Clin Radiol 1991; **43:** 360
Monaghan P; Van der Wall H: unusual case of cerebrospinal fluid shunt dysfunction, Clin Nucl Med 1990; **15:** 853
Monajati A See **Spitzer RM**
Moncada A See **Stroup RM**
Moncada R See **Mamon JF**
Moncada R See **Olson MC**
Moncada R See **Parvez Z**
Moncada R See **Yedlicka JW**
Moncada RM See **Fareed J**
Monden M See **Kuroda C**
Monden Y See **Uyama T**
Mondrup K See **Olsen NK**
Mones JM See **Oldham SAA**
Moneta GL See **Taylor DC**
Monetti N See **Dondi M**
Monge JC See **Fry ETA**
Monge OR See **Lyng H**
Monge OR See **Rosengren B**
Monier D See **Lette J**
Monin P See **André M**
Monma N See **Ehara S**
Monn E See **Stake G**
Monnet O See **Carlier R**
Monni SG See **Marani SAD**
Monreal M; Lafoz E; Ruiz J; et al: upper-extremity deep venous thrombosis and pulmonary embolism: a prospective study, (ab), JVIR 1991; **2:** 412
Monroc M See **Laissy J-P**
Monsees B See **Gilula LA**
Monsees B; Destouet JM; Evens RG: communication problems after mammographic screening, Radiology 1990; **175:** 877
Monsees BS See **Baker KS**
Monsees BS See **Murphy WA Jr**
Monsees BS See **Surratt JT**
Monsein LH See **Jeffery PJ**
Monsein LH: mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Radiology 1991; **181:** 605
Monsein LH; Davis M: radionuclide imaging of a rectus sheath hematoma caused by insulin injections, Clin Nucl Med 1990; **15:** 539
Monsein LH; Debrun GM; Chazaly JR: hydroxyethyl methylacrylate and latex balloons, AJNR 1990; **11:** 663
Monsein LH; Debrun GM; Miller NR; et al: treatment of dural carotid-cavernous fistulas via the superior ophthalmic vein, AJNR 1991; **12:** 435

Monson TP; Henle KJ; Nagle WA; et al: tumor-targeted delivery of 8-hydroxyquinoline, Int J Radiat Oncol Biol Phys 1991; **20:** 1263
Montagne JP See **Leighton DM**
Montalvo BM See **Bandstra ES**
Montalvo BM See **Brown SM**
Montalvo BM See **Russell E**
Montalvo BM See **Sklar EML**
Montalvo BM; Fanney DR; Yrizarry JM; et al: hepaticodochojejunostomy with afferent limb: CT anatomy, Gastrointest Radiol 1989; **14:** 246
Montalvo BM; Quencer RM; Brown MD; et al: lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, AJNR 1990; **11:** 31
Montalvo BM; Quencer RM; Brown MD; et al: lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, AJR 1990; **154:** 821
Montana GS; Fowler WC: carcinoma of the cervix: analysis of bladder and rectal radiation dose and complications, Int J Radiat Oncol Biol Phys 1989; **16:** 95
Montana GS; Martz KL; Hanks GE: patterns and sites of failure in cervix cancer treated in the U.S.A. in 1978, Int J Radiat Oncol Biol Phys 1991; **20:** 87
Montanera W See **Klimek E**
Montanera W; Marotta TR; Terbrugge KG; et al: cerebral arteriovenous malformations associated with moyamoya phenomenon, AJNR 1990; **11:** 1153
Montbarbon JF See **Papillon J**
Montbarbon X See **Gerard JP**
Montecalvo RM See **Barnett FJ**
Montecalvo RM; Zegel HG; Barnett FJ; Wulc AE; Piccone MR; Lecky DM; Freiman DB; Turner ML; Drass TA: evaluation of the lacrimal apparatus with digital subtraction macrodacryocystography, Radiographics 1990; **10:** 483
Monteferrante ML; Shimkin PM; Fichtenbaum C; et al: tentorial traversal by ependymoblastoma, AJNR 1991; **12:** 181
Montemaggi P; Dobelbower R; Crucitti F; et al: interstitial brachytherapy for pancreatic cancer: report of seven cases treated with ^{125}I and a review of the literature, Int J Radiat Oncol Biol Phys 1991; **21:** 451
Montemayor KA See **Tyrrel RT**
Montes M See **Franquet T**
Montesi SA See **Moore EH**
Montgomery JA See **Fink GD**
Montgomery P See **Cachero S**
Montgomery S: pulmonary embolism during venography: report of a rare complication, Cardiovasc Intervent Radiol 1989; **12:** 196
Montgomery SP; Guillot AP; Barth RA: MRI of disseminated neonatal hemangiomatosis: case report, Pediatr Radiol 1990; **20:** 204
Montgomery WJ See **Slone RM**
Monticciolo DL See **Sickles EA**
Monticciolo DL; Sickles EA: computerized follow-up of abnormalities detected at mammography screening, AJR 1990; **155:** 751
Montner SM See **Asada N**
Montner SM See **MacMahon H**
Montoya A See **Grieco JG**
Montoya VJ See **Tenforde TS**
Montz FJ; Schlaerth JB; Morrow CP: natural history of theca lutein cysts, (ab), Radiology 1989; **170:** 290
Monu JUV; Benka-Coker LBO; Fatunde Y: Hutchinson-Gilford progeria syndrome in siblings: report of three new cases, Skeletal Radiol 1990; **19:** 585
Monyak D; Levitt S: changing role of radiation therapy in the treatment of primary breast cancer, Invest Radiol 1989; **24:** 483
Monzawa S See **Araki T**
Monzen Y See **Mori H**
Moody A; Simpson E; Shaw D: florid radiological appearance of megakaryoblastic leukaemia—an aid to earlier diagnosis, Pediatr Radiol 1989; **19:** 486
Moody AR; Haddock JA; Given-Wilson R; et al: CT monitoring of therapy for meconium ileus, JCAT 1990; **14:** 1010
Moody AR; King DM: splenic calcification following treatment of Hodgkin's disease, Br J Radiol 1991; **64:** 55
Moody D See **Mitchell MJ**
Moody DM See **Elster AD**
Moody DM; Bell MA; Challa VR; et al: brain microemboli during cardiac surgery or aortography, (ab), JVIR 1991; **2:** 301
Moody DM; Bell MA; Challa VR: features of the cerebral vascular pattern that predict vulnerability to perfusion or oxygenation deficiency: an anatomic study, AJNR 1990; **11:** 431
Mooibroek J See **Daemen BJG**
Moola C See **Markus JB**
Moonen CTW See **Alger JR**
Moonen CTW See **Le Bihan D**
Moonen CTW See **Lyon RC**
Moonen CTW See **Turner R**
Moonen CTW See **van Zijl PCM**
Moonen CTW; Pekar J; de Vleeschouwer MHM; et al: restricted and anisotropic displacement of water in healthy cat brain and in stroke studied by NMR diffusion imaging, Magn Res Med 1991; **19:** 327
Moonen CTW; van Zijl PCM; Le Bihan D; et al: *in vivo* NMR diffusion spectroscopy: ^{31}P application to phosphorus metabolites in muscle, Magn Res Med 1990; **13:** 467
Moonen L See **Begg AC**
Mooney JF See **Mooney MR**
Mooney MR; Mooney JF; Goldenberg IF; et al: percutaneous transluminal coronary angioplasty in the setting of large intracoronary thrombi, (ab), Radiology 1990; **177:** 293
Moorcraft J; Bolas NM; Ives NK; et al: spatially localized magnetic resonance spectroscopy of the brains of normal and asphyxiated newborns, (ab), Radiology 1991; **181:** 615
Moore ADA See **Coldwell DM**
Moore ADA; Godwin JD; Müller NL; Naidich DP; Hammar SP; Buschman DL; Takasugi JE; de Carvalho CRR: pulmonary histiocytosis X: comparison of radiographic and CT findings, Radiology 1989; **172:** 249
Moore B See **Carvlin MJ**
Moore CCM See **Hugosson CO**
Moore D See **Dewhirst MW**
Moore D See **Sostman HD**
Moore DE; Carroll FE; Dutt PL; et al: comparison of nonionic and ionic contrast agents in the rabbit lung, Invest Radiol 1991; **26:** 134
Moore DE; Segars JH Jr; Winfield AC; Page DL; Eisenberg AD; Holburn GE: effects of contrast agents on the fallopian tube in a rabbit model, Radiology 1990; **176:** 721
Moore DP See **Daly BD**
Moore EH: diffuse lung disease in the current spectrum of immunocompromised hosts (non-AIDS), Radiol Clin North Am 1991; **29:** 983
Moore EH; Greenberg RW; Merrick SH; Miller SW; McLoud TC; Shepard JO: coronary artery calcifications: significance of incidental detection on CT scans, Radiology 1989; **172:** 711
Moore EH; LeBlanc J; Montesi SA; Richardson ML; Shepard JO; McLoud TC: effect of patient positioning after needle aspiration lung biopsy, Radiology 1991; **181:** 385
Moore EH; Shepard JO; McLoud TC; Templeton PA; Kosiuk JP: positional precautions in needle aspiration lung biopsy, Radiology 1990; **175:** 733
Moore GJ See **Cheng H-M**
Moore GJ See **Jolesz FA**
Moore GJ; Hrovat MI; González RG: simultaneous multinuclear magnetic resonance imaging and spectroscopy, Magn Res Med 1991; **19:** 105
Moore JG See **Christian PE**
Moore JO See **Hanson MW**
Moore JV; Dodd NJF; Wood B: proton nuclear magnetic resonance imaging as a predictor of the outcome of photodynamic therapy of tumours, Br J Radiol 1989; **62:** 869
Moore JW; Laird JR; White CJ; et al: tolerance of normal aorta to oversized dual balloon valvuloplasty. observations in a swine model: technical note, Cardiovasc Intervent Radiol 1990; **13:** 107
Moore M See **Tumeh SS**
Moore MM; Shearer DR: fetal dose estimates for CT pelvimetry, Radiology 1989; **171:** 265
Moore NR See **Huddart R**
Moore NR: imaging in myasthenia gravis, Clin Radiol 1989; **40:** 115
Moore NR; Dixon AK; Freer CEL: anatomy of the first sacral nerve root sheath shown by computed tomography, Br J Radiol 1989; **62:** 710
Moore NR; Dixon AK; Wheeler TK; et al: axillary fibrosis or recurrent tumour. an MRI study in breast cancer, Clin Radiol 1990; **42:** 42
Moore NR; Pfleiderer AG: forniceal rupture secondary to ureterocele and increased urine flow, Urol Radiol 1989; **11:** 106
Moore P See **Barth RA**
Moore PJ See **Spencer JAD**
Moore PT See **Moulton JS**
Moore R See **Lareau S**
Moore RD; Steinberg EP; Powe NR; White RI Jr; Brinker JA; Fishman EK; Zinreich SJ; Smith CR: frequency and determinants of adverse reactions induced by high-osmolality contrast media, Radiology 1989; **170:** 727
Moore RH See **Fischman AJ**
Moore RM Jr See **Kankam MK**
Moore S See **Janus CL**
Moore SC See **Müller SP**
Moore SG See **Dawson KL**
Moore SG See **Sebag GH**
Moore SG See **Stevens SK**
Moore SG; Bisset GS III; Siegel MJ; Donaldson JS: pediatric musculoskeletal MR imaging, Radiology 1991; **179:** 345
Moore SG; Dawson KL: red and yellow marrow in the femur: age-related changes in appearance at MR imaging, Radiology 1990; **175:** 219
Moore TA; Morris PG: use of laboratory microcomputers to hold NMR data bases, Magn Res Med 1990; **13:** 458
Moore TE See **Garneau RA**
Moore TE See **Kathol MH**
Moore TE: radiology of the foot. 2d ed., Radiology 1989; **172:** 634
Moore TE; King AR; Kathol MH; et al: sarcoma in Paget disease of bone: clinical, radiologic, and pathologic features in 22 cases, AJR 1991; **156:** 1199
Moore TE; King AR; Travis RC; et al: post-traumatic cysts and cyst-like lesions of bone, Skeletal Radiol 1989; **18:** 93
Moore W See **Perin EC**
Moore WH See **Davidson RM**
Moore WH See **Howard JL**
Moore WH See **Murphy PH**
Moore WS; Ziomek S; Quiñones-Baldrich WJ; et al: can clinical evaluation and noninvasive testing substitute for arteriography in the evaluation of carotid artery disease?, (ab), Radiology 1989; **170:** 586
Moorman R See **Hoff B**
Moosa HH; Peitzman AB; Steed DL; et al: inflammatory aneurysms of the abdominal aorta, (ab), Radiology 1990; **174:** 294
Moossy J See **Petitegrew JW**
Moote DJ; Fried LA; LeBrun GP; et al: pneumatosis coli: is there a relationship with sigmoid colon redundancy?, Gastrointest Radiol 1989; **14:** 79
Moote DJ; Ho C-S; Felice V: fluoroscopically guided percutaneous gastrostomy: is gastric fixation necessary?, J Canad Assoc Radiol 1990; **41:** 363
Moote DJ; Ho C-S; Felice V: fluoroscopically guided percutaneous gastrostomy: is gastric fixation necessary? (republication), J Canad Assoc Radiol 1991; **42:** 113
Mootoosamy I See **Reznek RH**
Mootz AR See **Landay MJ**
Mootz AR; Glazer-Waldman H; Evans WP; Peters GN; Kirk LM: mammography in a mobile setting: remaining barriers, Radiology 1991; **180:** 161
Mooyaart EL See **Hogeboom WR**
Mor V See **Reuben DB**
Mora JD See **Gunn TR**
Moradian GP See **Bildsoe MC**
Moradian GP See **Castaneda F**
Moradian GP See **Coleman CC**
Moradian GP See **Epstein DH**
Moradian GP See **Repa I**
Moradian GP See **Snider JF**
Moradian GP: color atlas of anatomy, Radiology 1989; **171:** 800
Morag B See **Garniek A**
Moraga F See **Sánchez de Toledo J**
Morales A See **Corres J**
Morales A See **Kuhn MJ**
Morali GA; Braverman DZ; Shemesh D; et al: successful treatment of pancreatic pseudocyst with a somatostatin analogue and catheter drainage, (ab), JVIR 1991; **2:** 418
Moran B See **Borgstein RL**
Moran C; Braunstein EM; Ulbright T; et al: case report 689, Skeletal Radiol 1991; **20:** 465
Moran CA; Suster S; Carter D: benign mixed tumors (pleomorphic adenomas) of the breast, (ab), Radiology 1991; **178:** 897
Moran CC See **Park HM**
Morán P See **Calzado A**
Moran PR: experiments for two MR imaging theories of motion phase sensitivity, Radiology 1991; **180:** 115
Moran RE; Govoni AF; Brandwein M: 21-year old man with 2 year history of low back pain, Clin Imag 1990; **14:** 341
Morano JU; Harrison RB: mesenteric ischemia: angiographic diagnosis and intervention, Clin Imag 1991; **15:** 91
Morano JU; Miller JD; Connors JJ: MR imaging of spinal epidural lipoma, AJNR 1989; **10:** S102
Morano JU; Raju S: chronic venous insufficiency: assessment with descending venography, Radiology 1990; **174:** 441
Morantz RA See **Evans RG**
Morasso P; Ruggiero C: human face representation by means of polynomial expansion of the harmonic descriptors of tomograms, Comput Med Imag Graph 1990; **14:** 389
Morava-Protzner I See **Samuels TH**

Morcos SK; Baudouin SV; Anderson PB; et al: iotrolan in selective bronchography via the fibreoptic bronchoscope, Br J Radiol 1989; **62:** 383
Moreau J-F See **Durand-Zaleski I**
Moreau J-FM See **Cornud FE**
Moreau M-FC See **Michelot JM**
Moreaux J; Raynal M; André J: pre-operative radiation therapy for carcinoma of the rectum: 100 patients, (ab), Radiology 1989; **170:** 287
Morehouse HT See **Cho KC**
Morehouse HT See **Norowitz DG**
Morehouse HT See **Weiss KL**
Morel D See **Grenier N**
Moreman B See **Taylor PM**
Morency G; Chalaoui J; Samson L; et al: malignant neoplasms of the trachea, J Canad Assoc Radiol 1989; **40:** 198
Morency G; Dussault RG; Robillard P; et al: arthrographie distensive dans le traitement de la capsulite adhésive de l'épaule, J Canad Assoc Radiol 1989; **40:** 84
Moreno AJ See **Diaz-Ball FL**
Moreno AJ See **Toney MAO**
Moreno AJ; Ortenzo CA; Rodriguez AA; et al: gallbladder perforation seen on hepatobiliary imaging following morphine sulfate injection, Clin Nucl Med 1990; **14:** 651
Moreno AJ; Reeves TA; Pearson VD; et al: unusual manifestations of hemorrhage during technetium-99m red cell blood pool imaging, Clin Nucl Med 1989; **14:** 470
Moreno AJ; Toney MAO; Griffith JC; et al: serendipitous finding of transitional cell carcinoma of the kidney on bone and gallium imaging, Clin Nucl Med 1991; **16:** 165
Moreno AJ; Toney MAO; Henry CD; et al: acute cholecystitis in a patient with situs inversus, Clin Nucl Med 1990; **15:** 350
Moreno E See **Abad J**
Moret C See **André M**
Moret J See **Gonzalez CF**
Morgan A; Evans N: anomalous superior vena cava causing non-visualization of the lungs in perfusion scintigraphy, Br J Radiol 1989; **62:** 78
Morgan AM See **Hanigan WC**
Morgan DE; Nath H; Sanders C; et al: mediastinal actinomycosis, AJR 1990; **155:** 735
Morgan DML; Bettmann MA: effects of x-ray contrast media and radiation on human vascular endothelial cells *in vitro*, Cardiovasc Intervent Radiol 1989; **12:** 154
Morgan FW See **Lynch TCP**
Morgan FW See **Runge VM**
Morgan GF See **Bossuyt A**
Morgan GF; Deblaton M; Clemens P; et al: technetium-99m-MRP20, a potential brain perfusion agent: in vivo biodistribution and SPECT studies in non-primate animals, J Nucl Med 1991; **32:** 500
Morgan GW See **Gibson PG**
Morgan HT See **Maniawski PJ**
Morgan JM See **Gray HH**
Morgan JP See **Beltran J**
Morgan MDL; Edwards CW; Morris J; et al: origin and behaviour of emphysematous bullae, (ab), Radiology 1990; **174:** 586
Morgan ME See **White JE**
Morgan PW; Cameron DC; Carter M: "Carpentier" thoracic aortic by-pass technique for management of descending aortic aneurysms and dissections—a radiological perspective, Australas Radiol 1990; **34:** 106
Morgan PW; Foley DW; Erickson SJ: proximal interruption of a main pulmonary artery with transpleural collateral vessels: CT and MR appearances, JCAT 1991; **15:** 311
Morgan PW; Goodman LR: pulmonary edema and adult respiratory distress syndrome, Radiol Clin North Am 1991; **29:** 943
Morgan PW; Khangure MS: evaluation of thoracic paraspinal neurogenic tumours: the role of magnetic resonance imaging, Australas Radiol 1990; **34:** 223
Morgello S See **Haimes AB**
Morgenstern BR; Getrajdman GI; Laffey KJ; Bixon R; Martin EC: total occlusions of the femoropopliteal artery: high technical success rate of conventional balloon angioplasty, Radiology 1989; **172:** 937
Morgentaler A See **Belville JS**
Mori E See **Ohkawa S**
Mori H; Aikawa H; Hirao K; Futagawa S; Fukuda T; Maeda H; Hayashi K: exophytic spread of hepatobiliary disease via perihepatic ligaments: demonstration with CT and US, Radiology 1989; **172:** 41
Mori H; Fukuda T; Ishida Y; et al: embolization of a thoracic aortic aneurysm; the straddling coil technique: technical note, Cardiovasc Intervent Radiol 1990; **13:** 50
Mori H; Fukuda T; Isomoto I; et al: CT diagnosis of catheter-induced septic thrombus of vena cava, JCAT 1990; **14:** 236
Mori H; Maeda H; Fukuda T; et al: acute thrombosis of the inferior vena cava and hepatic veins in patients with Budd-Chiari syndrome: CT demonstration, AJR 1989; **153:** 987
Mori H; Miyake H; Aikawa H; Monzen Y; Maeda T; Suzuki K; Matsumoto S; Wakisaka M: dilated posterior superior pancreaticoduodenal vein: recognition with CT and clinical significance in patients with pancreaticobiliary carcinomas, Radiology 1991; **181:** 793
Mori J See **Imanishi Y**
Mori K See **Sagoh T**
Mori K See **Yokoi K**
Mori K; Dohi T; Yamamoto H; et al: enormous shunt between the portal and hepatic veins associated with multiple coronary artery fistulas, Pediatr Radiol 1990; **21:** 66
Mori K; Saitou Y; Tominaga K; Yokoi K; Miyazawa N; Okuyama A; Sasagawa M: small nodular lesions in the lung periphery: new approach to diagnosis with CT, Radiology 1990; **177:** 843
Mori M; Galvin JR; Barloon TJ; Gingrich RD; Stanford W: fungal pulmonary infections after bone marrow transplantation: evaluation with radiography and CT, Radiology 1991; **178:** 721
Mori M; Ohno S; Tsutsui S; et al: esophageal carcinoma in young patients, (ab), Radiology 1990; **177:** 594
Mori S See **Guglielmi G**
Mori S; Feliciani M; Guglielmi G; et al: regression of an internal carotid artery pseudoaneurysm after therapeutic embolization of a post-traumatic carotid-cavernous fistula secondary to gunshot injury, Neuroradiol 1990; **32:** 226
Mori T See **Hori H**
Mori T See **Togashi K**
Mori T See **Uchino A**
Mori T; Minamiji K; Kurogane H; et al: rest-injected thallium-201 imaging for assessing viability of severe asynergic regions, J Nucl Med 1991; **32:** 1718
Moriarty JA; Carvalho PdA; Holman BL: brain perfusion SPECT in a cerebellar infarction, JCAT 1990; **14:** 821
Moriarty PE See **Mantello MT**
Moriarty PE See **O'Laughlin RL**
Morichika N See **Okamoto M**
Morikawa P See **Tsurui N**
Morillo G See **Casillas J**
Morillo G See **Murphy BJ**
Morimoti S See **Ikezoe J**
Morimoto S See **Akira M**
Morimoto S See **Ikezoe J**
Morimoto S See **Isaza M**
Morimoto S See **Takashima S**
Morimoto S; Takeuchi N; Imanaka H; et al: gravity-dependent atelectasis: radiologic, physiologic and pathologic correlation in rabbits on high-frequency oscillation ventilation, Invest Radiol 1989; **24:** 522
Morimura T; Hayashi H; Kohchi N; et al: MR appearance of intraorbital granular cell tumor: a case report, AJNR 1991; **12:** 714
Morin C; Filiatrault D; Russo P: pulmonary sequestration with histologic changes of cystic adenomatoid malformation, Pediatr Radiol 1989; **19:** 130
Morin M See **Lette J**
Morin ME; Willens BA; Kuss PA: carotid artery: percutaneous transbrachial selective arteriography with 4-F catheter, Radiology 1989; **171:** 868
Morin MM See **Boice JD Jr**
Morin RL See **Felmlee JP**
Morin RL See **Gray JE**
Morin RL See **Swensen SJ**
Morinaga K See **Akira M**
Morio K See **Akiyama H**
Morishita K See **Okamoto M**
Morita K See **Otsuka N**
Morita K; Ono S; Fukunaga M; et al: increased accumulation of N-isopropyl-p-(^{123}I)-iodoamphetamine intwo cases with mitochondrial encephalomyopathy with lactic acidosis and strokelike episodes (MELAS), Neuroradiol 1989; **31:** 358
Morita S; Ishibashi M; Hirayama T; et al: discordant Tl-201 and Tc-99m imaging in a patient with thyroid carcinoma and Hashimoto's disease, Clin Nucl Med 1990; **15:** 612
Morita S; Ishibashi M; Hirayama T; et al: intermittent bleeding in a patient with multiple ulcerations near the terminal ileum visualized on Tc-99m RBC gastrointestinal imaging, Clin Nucl Med 1990; **15:** 923
Morita S; Ishibashi M; Yoshii T; et al: horseshoe kidney detected by abdominal scanning with Tc-99m labeled red blood cells, Clin Nucl Med 1991; **16:** 194
Morita S; Takemura T; Matsumoto S; et al: septic shock after percutaneous transhepatic drainage of obstructed afferent loop: case report, Cardiovasc Intervent Radiol 1989; **12:** 66
Moritani M See **Hatanaka H**
Moritz A See **Koppensteiner R**
Moritz TE See **Light RW**
Moritz WE See **Schrank E**
Moriwaka F See **Nakakoshi T**
Moriwaka F; Hozen H; Nakane K; et al: myelopathy due to osteochondroma: MR and CT studies, JCAT 1990; **14:** 128
Moriyama N See **Brandt D**
Moriyama N See **Muramatsu Y**
Moriyama N See **Takayasu K**
Moriyasu F See **Kawasaki T**
Moriyasu F See **Nakamura T**
Moriyasu F See **Tamada T**
Morley P See **Baxter GM**
Morley P See **Straiton JA**
Mornex F; Trillet V; Chauvin F; et al: hyperfractionated radiotherapy alternating with multidrug chemotherapy in the treatment of limited small cell lung cancer (SCLC), Int J Radiat Oncol Biol Phys 1990; **19:** 23
Morony S See **Peters AM**
Morosi C; Ballardini G; Pisani P; et al: diagnostic accuracy of the double-contrast enema for colonic polyps in patients with or without diverticular disease, Gastrointest Radiol 1991; **16:** 345
Morparia H See **Merchant S**
Morparia H: pointed signs, Radiology 1991; **179:** 138
Morparia H: pointed signs, Radiology 1991; **179:** 220
Morparia H: practical ruler for measuring cardiac diameter, J Canad Assoc Radiol 1990; **41:** 236
Morparia HK; Merchant SA: use of lead markers in trauma cases, Radiology 1990; **177:** 352
Morrel EM; Tompkins RG; Fischman AJ; et al: autoradiographic method for quantitation of radiolabeled proteins in tissues using indium-111, J Nucl Med 1989; **30:** 1538
Morrey B See **Regan W**
Morrill SM; Rosen II; Lane RG; et al: influence of dose constraint point placement on optimized radiation therapy treatment planning, Int J Radiat Oncol Biol Phys 1990; **19:** 129
Morris AH See **Cutillo AG**
Morris AI See **Gore S**
Morris CD; Outcalt J; Menashe VD: hypoplastic left heart syndrome: natural history in a geographically defined population, (ab), Radiology 1990; **177:** 895
Morris CS See **Chandnani VP**
Morris CS See **McGhee RB Jr**
Morris CS: Paget's disease with headache and disorientation, Invest Radiol 1990; **25:** 1279
Morris CS; Beltran JL: giant synovial cyst associated with a pseudoarthrosis of a rib: MR appearance, AJR 1990; **155:** 337
Morris CS; Chirico PA: comatose young woman with respiratory distress and abdominal mass, Invest Radiol 1990; **25:** 1159
Morris CS; Lloyd T: case report 642, Skeletal Radiol 1990; **19:** 607
Morris CS; Lough LR; Weinberger E: infant with lethargy, failure to thrive, and abnormal blood smear, Invest Radiol 1990; **25:** 1054
Morris DC See **Munk PL**
Morris E See **Davies AM**
Morris E See **Holland P**
Morris GC Jr See **Lawrie GM**
Morris GM; Hopewell JW: cell kinetic changes in the follicular epithelium of pig skin after irradiation with single and fractionated doses of X rays, Br J Radiol 1989; **62:** 41
Morris J See **Helms CA**
Morris J See **Morgan MDL**
Morris JC See **Wippold FJ II**
Morris JD See **Southard RN**
Morris MC See **Ramchandani P**
Morris PG See **Moore TA**
Morris PG; McIntyre DJO; Rourke DE; et al: design of practical selective pulses for magnetic resonance imaging and spectroscopy using SPINCALC, Magn Res Med 1991; **17:** 33
Morris R See **Coffey CW**
Morris RF See **Lee SK**
Morris SJ See **Torres WE**
Morris TM See **Hayakawa K**
Morris TW See **Ekholm SE**
Morris TW See **Katzberg RW**
Morris TW: inotropic effects of sodium citrate in a nonionic contrast medium, Invest Radiol 1990; **25:** S144
Morris TW; Ekholm SE; Prentice LI: electrolyte changes in rabbit cerebrospinal fluid during experimental myelography, Invest Radiol 1990; **25:** S111
Morris TW; Ekholm SE; Prentice LI; et al: iotrol, iodixanol, and 2-deoxy-D-glucose effects on neural tissue CO_2 production, AJNR 1989; **10:** 1123
Morris TW; Prentice LI; Ventura J: comparison of the systemic responses to rapid intravenous injections of ioxilan, iohexol, and diatrizoate in rabbits, Invest Radiol 1989; **24:** 294
Morris TW; Walike CS: in vitro study of the hemodynamic effects of catheter injections, Invest Radiol 1989; **24:** 361

Morris VC See **Bell JD**
Morrish DW; Jackson FI; Lalani ZH; et al: cystic thyroid mass following I-131 treatment of papillary thyroid carcinoma: an unusual complication, Clin Nucl Med 1989; **14:** 894
Morrish HF; Messenger OJ: medicolegal encounters in Canadian radiology, J Canad Assoc Radiol 1990; **41:** 259
Morrish WF; Herman SJ; Weisbrod GL; Chamberlain DW; Toronto Lung Transplant Group: brochiolitis obliterans after lung transplantation: findings at chest radiography and high-resolution CT, Radiology 1991; **179:** 487
Morrison D See **Suarez R**
Morrison DA; Barbierre C; Cohan A; et al: percutaneous transluminal coronary angioplasty for rest angina pectoris requiring intravenous nitroglycerin and intraaortic balloon counterpulsation, (ab), Radiology 1991; **178:** 590
Morrison DS See **Berger PE**
Morrison G See **Cooke J**
Morrison J See **Gould ES**
Morrison JW See **Haug PJ**
Morrison K; Figueroa P; Govoni AF: 61-year old woman with a 1-month history of cough, Clin Imag 1989; **13:** 90
Morrison M; Fairholm S; Freeman MR: new etiology for intestinal uptake of thallium-201, Clin Nucl Med 1989; **14:** 764
Morrison MC See **Lee MJ**
Morrison MC See **Mueller PR**
Morrison MC; Lee MJ; Saini S; et al: percutaneous balloon dilatation of benign biliary strictures, Radiol Clin North Am 1990; **28:** 1191
Morrison MC; Lee MJ; Stafford SA; Saini S; Mueller PR: percutaneous cecostomy: controlled transperitoneal approach, Radiology 1990; **176:** 574
Morrison S; Dahms BB; Hoffenberg E; Czinn SJ: enlarged gastric folds in association with *Campylobacter pylori* gastritis, Radiology 1989; **171:** 819
Morrison SC See **Haaga JR**
Morrison SC; Adler LP: photopenic areas on bone scanning associated with childhood leukemia, Clin Nucl Med 1991; **16:** 24
Morrison SC; Margraf LR: periosteal reaction of the ribs in a newborn infant, Invest Radiol 1991; **26:** 279
Morrison SC; Stork E: documentation of spontaneous reduction of childhood intussusception by ultrasound, Pediatr Radiol 1990; **20:** 358
Morrison WH; Peters LJ; Silva EG; et al: essential role of radiation therapy in securing locoregional control of Merkel cell carcinoma, Int J Radiat Oncol Biol Phys 1990; **19:** 583
Morrissey WJ See **Wagner LD**
Morrissy RT; Goldsmith GS; Hall EC; et al: measurement of the Cobb angle on radiographs of patients who have scoliosis: evaluation of intrinsic error, (ab), Radiology 1990; **176:** 885
Morrow CP See **Montz FJ**
Morrow IM See **Blanchard RJW**
Morrow RJ See **Adamson SL**
Morse BS See **Giuliani DC**
Morse MH; Baker AR: fibrinolytic therapy for upper extremity occlusions, Radiology 1991; **178:** 580
Morse MH; Jeans WD; Cole SEA; et al: complications in percutaneous transluminal angioplasty: relationships with patient age, Br J Radiol 1991; **64:** 5
Morse S See **Quinn SF**
Morse SS See **Denny DF Jr**
Morse SS; Clark RA; Puffenbarger A: platinum microcoils for therapeutic embolization: nonneuroradiologic applications, AJR 1990; **155:** 401
Morse SS; Kaffenberger DA; Finney NR: percutaneous retrieval of a fractured surgical drain from the deep perineal soft tissues: technical note, Cardiovasc Intervent Radiol 1990; **13:** 117
Morson BC See **Lennard-Jones JE**
Mortan R See **Aquino NM**
Mortara P See **Bradac GB**
Mortelmans L See **Nuyts J**
Mortelmans L See **Verlooy H**
Mortelmans L; Malbrain S; Stuyck J; et al: in vitro and in vivo evaluation of granulocyte labeling with [^{99m}Tc]d,1-HM-PAO, J Nucl Med 1989; **30:** 2022
Mortelmans L; Verbruggen A; Augustinus J; et al: clinical usefulness of technetium-99m HM-PAO labeled white blood cell imaging in abscesses, Clin Nucl Med 1989; **14:** 127
Mortensen BT See **Keldsen N**
Mortensen E See **Kløw N-E**
Mortenson RL See **Panos RJ**
Mortensson W; Andréasson B; Lindroth M; et al: potentially of early chest roentgen examination in ventilator treated newborn infants to predict future lung function and disease, Pediatr Radiol 1989; **20:** 41
Mortensson W; Rosenborg M; Gretzer H: role of bone scintigraphy in predicting femoral head collapse following cervical fractures in children, Acta Radiol 1990; **31:** 291
Mortimer ST See **Wiseman DA**
Morton DL See **Colquhoun SD**
Morton DL See **Wong JH**
Morton EJ; Evans PM; Ferraro M; et al: development of video frame store and distortion correction facilities for an external-beam radiotherapy treatment simulator, Br J Radiol 1991; **64:** 747
Morton KA See **Goates JJ**
Morton KA See **Patch GG**
Morton KA; Rose SC; Haakenstad AO; et al: diagnostic use of angiotensin converting enzyme (ACE)-inhibited renal scintigraphy in the identification of selective renal artery stenosis in the presence of multiple renal arteries: a case report, J Nucl Med 1990; **31:** 1847
Morton MJ; Berquist TH; McLeod RA; et al: MR imaging of synovial sarcoma, AJR 1991; **156:** 337
Morton MJ; Carlon JC; Charboneau JW: ultrasound case of the day, Radiographics 1990; **10:** 117
Morton RP; Benjamin CS: nasopharyngeal carcinoma in Auckland: a study of racial factors, Australas Radiol 1990; **34:** 17
Morvan D; Jehenson P; Duboc D; et al: discriminant factor analysis of ^{31}P NMR spectroscopic data in myopathies, Magn Res Med 1990; **13:** 216
Morvant AB See **Roberts JA**
Moscatelli G See **Dognini L**
Moscona A See **Gundry CR**
Moscona AA See **Borders J**
Moscoso G See **Jauniaux E**
Mosekilde L See **Brixen K**
Mosekilde L See **Nepper-Rasmussen J**
Moseley IF See **Jacomb-Hood J**
Moseley IF See **Travis RC**
Moseley JW See **Kaye JJ**
Moseley M See **Chew W**
Moseley ME See **Berthezene Y**
Moseley ME See **Brasch RC**
Moseley ME See **Ehman RL**
Moseley ME See **Engelstad BL**
Moseley ME See **Karczmar GS**
Moseley ME See **Kucharczyk J**
Moseley ME See **Mintorovitch J**
Moseley ME See **Rocklage SM**
Moseley ME See **Saeed M**
Moseley ME See **Schmiedl U**
Moseley ME See **Tsuruda JS**
Moseley ME See **Tzika AA**
Moseley ME See **Wang S-c**
Moseley ME See **Wendland MF**
Moseley ME See **Wikström MG**
Moseley ME; Cohen Y; Kucharczyk J; Mintorovitch J; Asgari HS; Wendland MF; Tsuruda J; Norman D: diffusion-weighted MR imaging of anisotropic water diffusion in cat central nervous system, Radiology 1990; **176:** 439
Moseley ME; Cohen Y; Mintorovitch J; et al: early detection of regional cerebral ischemia in cats: comparison of diffusion- and T2-weighted MRI and spectroscopy, Magn Res Med 1990; **14:** 330
Moseley ME; Kucharczyk J; Asgari HS; et al: anisotropy in diffusion-weighted MRI, Magn Res Med 1991; **19:** 321
Moseley ME; Kucharczyk J; Mintorovitch J; et al: diffusion-weighted MR imaging of acute stroke: correlation with T2-weighted and magnetic susceptibility-enhanced MR imaging in cats, AJNR 1990; **11:** 423
Moseley ME; Sevick R; Wendland MF; et al: ultrafast magnetic resonance imaging: diffusion and perfusion, J Canad Assoc Radiol 1991; **42:** 31
Moseley ME; Wendland MF; Darnell DK; et al: metabolic and anatomic development of the chick embryo as studied by phosphorus-31 magnetic resonance spectroscopy and proton MRI, Pediatr Radiol 1989; **19:** 400
Moseley ME; White DL; Wang S-c; et al: stereoscopic MR imaging, JCAT 1989; **13:** 167
Moseley ME; White DL; Wang S-c; et al: vascular mapping using albumin-(Gd-DTPA), an intravascular MR contrast agent, and projection MR imaging, JCAT 1989; **13:** 215
Moser C See **Micaily B**
Moser E See **Seiderer M**
Moser FG See **Tuchman RF**
Moser FG; Panush D; Rubin JS; et al: incidental paranasal sinus abnormalities on MRI of the brain, Clin Radiol 1991; **43:** 252
Moser HW See **Naidu S**
Moser KM See **Carlin BW**
Moser KM See **Williams JH Jr**
Moser RP See **Jelinek JS**
Moser RP Jr See **Aoki J**
Moser RP Jr See **Brower AC**
Moser RP Jr See **Buetow PC**
Moser RP Jr See **Hopper KD**
Moser RP Jr See **Kransdorf MJ**
Moser RP Jr See **Kumar R**
Moser RP Jr See **Osborn AG**
Moser RP Jr See **Stull MA**
Moser RP Jr: atlas of radiological interpretation: the bones, Radiology 1989; **171:** 86
Moser RP Jr: CIBA collection of medical illustrations. Vol. 8, musculoskeletal system. Pt. 1, anatomy, physiology and metabolic disorders, Radiology 1989; **170:** 142
Moser RP Jr: diagnosis and management of metastatic bone disease: a multidisciplinary approach, Radiology 1989; **171:** 150
Moser RP Jr: fifth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Radiology 1989; **172:** 277
Moser RP Jr: orthopedics: self assessment in radiology and imaging, Radiology 1989; **171:** 132
Moser RP Jr: Robert D. Pugatch, MD, sixth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Radiology 1990; **176:** 285
Moser RP Jr; Davis MJ; Gilkey FW; Kransdorf MJ; Rosado de Christenson ML; Kumar R; Bloem JL; Stull MA: primary Ewing sarcoma of rib, Radiographics 1990; **10:** 899
Moser RP Jr; Kransdorf MJ; Brower AC; et al: osteoid osteoma of the elbow: a review of six cases, Skeletal Radiol 1990; **19:** 181
Moser RP Jr; Kransdorf MJ; Gilkey FW; Manaster BJ: from the archives of the AFIP: giant cell tumor of the upper extremity, Radiographics 1990; **10:** 83
Moser RP Jr; Wagner GN: nutrient groove of the ilium, a subtle but important forensic radiographic marker in the identification of victims of severe trauma, Skeletal Radiol 1990; **19:** 15
Moser U See **Vieli A**
Moser UT See **Maier SE**
Moshage W See **Schneider S**
Moshage W; Achenbach S; Göhl K; Weikl A; Bachmann K; Wegener P; Schneider S; Härer W: biomagnetic localization of ventricular arrhythmias, Radiology 1991; **180:** 685
Moshang T See **Eberenz W**
Moshé SL See **Tuchman RF**
Mosher TJ; Smith MB: DANTE tagging sequence for the evaluation of translational sample motion, Magn Res Med 1990; **15:** 334
Mosher TJ; Smith MB: magnetic susceptibility measurement using a double-DANTE tagging (DDT) sequence, Magn Res Med 1991; **18:** 251
Moskovic E See **Hansell DM**
Moskovic E: macronodular hepatic tuberculosis in a child: computed tomographic appearances, Br J Radiol 1990; **63:** 656
Moskovic E; Fernando I; Blake P; et al: lymphography—current role of oncology, Br J Radiol 1991; **64:** 422
Moskovic E; Fisher C; Westbury G; et al: focal myositis, a benign inflammatory pseudotumour: CT appearances, Br J Radiol 1991; **64:** 489
Moskovic E; Jobling T; Fisher C; et al: retroconversion of immature teratoma of the ovary: CT appearances, Clin Radiol 1991; **43:** 402
Moskovic E; Miller R; Pearson M: high resolution computed tomography of *Pneumocystis carinii* pneumonia in AIDS, Clin Radiol 1990; **42:** 239
Moskovic E; Ramachandra S: ductal adenoma of the breast: mammographic appearances and pathological correlation, Br J Radiol 1989; **62:** 1021
Moskovic E; Sinnett HD; Parsons CA: accuracy of mammographic diagnosis in surgically occult breast lesions, Clin Radiol 1990; **41:** 344
Moskovitz B See **Vardi Y**
Moskowitz L See **Zemel G**
Moskowitz LB See **Dolmatch BL**
Moskowitz M See **Patrick EA**
Moskowitz M: impact of a priori medical decisions on screening for breast cancer, Radiology 1989; **171:** 605
Moskowitz WB See **Das Narla L**
Mosley PL See **Jolles H**
Mosnier J-F See **Clement O**
Moss AA See **Buy J-N**
Moss AA See **Capp MP**
Moss AA: imaging of colorectal carcinoma, Radiology 1989; **170:** 308
Moss AA; Balfe DM; Baron RL; Stanley RJ: abdominal-gastrointestinal radiology. RSNA '88 meeting notes, Radiology 1989; **170:** 597
Moss CS; Williams C; Ellis BJ; et al: case report 523, Skeletal Radiol 1989; **18:** 70
Moss DS See **Ragland RL**
Moss EH; Carty H: scintigraphy in the diagnosis of occult fractures of the calcaneus, Skeletal Radiol 1990; **19:** 575

Moss JG See **Stevenson AJM**
Moss JG; Sellar RJ; Bradnock B: atlanto-axial rotary fixation: diagnosis by functional computed tomography, Br J Radiol 1989; **62:** 755
Moss JG; Sellar RJ; Hadley DM: intracerebral and spinal vascular malformation in a patient without hereditary haemorrhagic telangectasia, Neuroradiol 1989; **31:** 280
Moss NS See **Cliff WJ**
Moss RH; Stoecker WV; Lin S-J; et al: skin cancer recognition by computer vision, Comput Med Imag Graph 1989; **13:** 31
Moss TH See **Kabalka GW**
Moss WT See **Sagerman RH**
Mossetti M See **Pagliano M**
Mosskin M; Ericson K; Hindmarsh T; et al: positron emission tomography compared with magnetic resonance imaging and computed tomography in supratentorial gliomas using multiple stereotactic biopsies as reference, Acta Radiol 1989; **30:** 225
Mossman KL See **Cumberlin RL**
Mostbeck G See **Hübsch PJS**
Mostbeck GH See **Vergesslich KA**
Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D: effect of heart rate on Doppler measurements of resistive index in renal arteries, Radiology 1990; **175:** 511
Mostbeck GH; Kain R; Mallek R; et al: duplex Doppler sonography in renal parenchymal disease: histopathologic correlation, (ab), JVIR 1991; **2:** 415
Mostbeck GH; Kain R; Mallek R; et al: duplex Doppler sonography in renal parenchymal disease: histopathologic correlation, J Ultrasound Med 1991; **10:** 189
Mostbeck GH; Mallek R; Gebauer A; et al: hepatic penetration by duodenal ulcer: sonographic diagnosis, JCU 1990; **18:** 726
Mostbeck GH; Wittich GR; Derfler K; Ulrich W; Walter RM; Herold C; Haller J; Tscholakoff D: optimal needle size for renal biopsy: in vitro and in vivo evaluation, Radiology 1989; **173:** 819
Mostbeck GH; Wittich GR; Herold C; Vergesslich KA; Walter RM; Frotz S; Sommer G: hemodynamic significance of the paraumbilical vein in portal hypertension: assessment with duplex US, Radiology 1989; **170:** 339
Mostowfi K See **Wilbur AC**
Mostowycz L See **Shih W-J**
Mostwin JL See **Yang A**
Mosure JC See **Beltran J**
Mota HC See **Sibata CH**
Motateanu M; Gudinchet F; Sarraj H; et al: case report 665, Skeletal Radiol 1991; **20:** 231
Motawei S See **Elgazzar AH**
Mothersill C; Seymour CB; Cusack A; et al: effect of radiation and cytotoxic platinum compounds on the growth of normal and tumour bladder explant cultures, Acta Oncol 1990; **29:** 179
Motohashi N See **Shintani S**
Motoo Y; Okai T; Matsui O; et al: liver atrophy after transcatheter arterial embolization and percutaneous ethanol injection therapy for a minute hepatocellular carcinoma, Gastrointest Radiol 1991; **16:** 164
Motooka M See **Yoshimitsu K**
Mott PL See **Hopper KD**
Motta A See **Cervilla V**
Motta AO See **Crass JR**
Motta-Hennessy C; Sharkey RM; Goldenberg DM: metabolism of indium-111-labeled murine monoclonal antibody in tumor and normal tissue of the athymic mouse, J Nucl Med 1990; **31:** 1510
Mou X See **Gorodetsky R**
Moudry BM See **Sturm JT**
Mouelhi MM See **Brauner MW**
Moulder JE See **Hopwood LE**
Moulder JE See **Rockwell S**
Moulder JE; Fish BL: influence of nephrotoxic drugs on the late renal toxicity associated with bone marrow transplant conditioning regimens, Int J Radiat Oncol Biol Phys 1991; **20:** 333
Moulder JE; Fish BL: late toxicity of total body irradiation with bone marrow transplantation in a rat model, Int J Radiat Oncol Biol Phys 1989; **16:** 1501
Moulder JE; Fish BL; Holcenberg JS; et al: hepatic function and drug pharmacokinetics after total body irradiation plus bone marrow transplant, Int J Radiat Oncol Biol Phys 1990; **19:** 1389
Moulder JE; Fish BL; Wilson JF: tumor and normal tissue tolerance for fractionated low-dose-rate radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 341
Moulder JE; Hopwood LE; Volk DM; et al: radiation induction of drug resistance in RIF-1: correlation of tumor and cell culture results, Int J Radiat Oncol Biol Phys 1991; **20:** 213
Moulijin AC See **Verheul HA**
Moulin D See **Zajko AB**
Moulopoulos A See **Varma DGK**
Moulopoulos A; DuBrow R; David C; et al: primary renal carcinoid: computed tomography, ultrasound, and angiographic findings, JCAT 1991; **15:** 323
Moult RG; Bekerman C: altered biodistribution of Ga-67 by intramuscular gold salts, Clin Nucl Med 1989; **14:** 831
Moulton AL: surgical definition of pleural peel, Radiology 1991; **178:** 889
Moulton JS See **Dodd GD III**
Moulton JS See **Maxon HR III**
Moulton JS See **Wells GA**
Moulton JS; Moore PT; Mencini RA: treatment of loculated pleural effusions with transcatheter intracavitary urokinase, AJR 1989; **153:** 941
Moulton JS; Munda R; Weiss MA; Lubbers DJ: pancreatic transplants: CT with clinical and pathologic correlation, Radiology 1989; **172:** 21
Moumdjian R See **Tampieri D**
Moumdjian R; Tampieri D; Melanson D; et al: Anderson-Fabry disease: a case report with MR, CT, and cerebral angiography, AJNR 1989; **10:** S69
Mount CJ; Gray JE: improved tool for testing screen-film contact in mammography, Radiographics 1990; **10:** 1049
Mountain CF See **Komaki R**
Mountford CE See **Lean CL**
Mountford CE; Delikatny EJ; Dyne M; et al: uterine cervical punch biopsy specimens can be analyzed by ^{1}H MRS, Magn Res Med 1990; **13:** 324
Mountford PJ: techniques for radioactive decontamination in nuclear medicine, Semin Nucl Med 1991; **21:** 82
Mountford PJ; Kettle AG; O'Doherty MJ; et al: comparison of technetium-99m-HM-PAO leukocytes with indium-111-oxine leukocytes for localizing intraabdominal sepsis, J Nucl Med 1990; **31:** 311
Mountney L See **Bull A**
Mountz JM See **Malinoff HL**
Mountz JM See **Wilson MW**
Mountz JM: method of analysis of SPECT blood flow image data for comparison with computed tomography, Clin Nucl Med 1989; **14:** 192
Mountz JM; Modell JG; Foster NL; et al: prognostication of recovery following stroke using the comparison of CT and technetium-99m HM-PAO SPECT, J Nucl Med 1990; **31:** 61
Mountz JM; Rogers WL; Wilson MW; et al: clinical SPRINT imaging: preliminary results compared to conventional SPECT brain scanning using Tc-99m HMPAO, Clin Nucl Med 1991; **16:** 562
Mountz JM; Wilson MW: brain structure localization in positron emission tomography: comparison of magnetic resonance imaging and a stereotactic method, Comput Med Imag Graph 1991; **15:** 17
Mourão GS See **Uflacker R**
Mouridsen HT See **Bastholt L**
Mouridsen HT: new cytotoxic drugs in treatment of breast cancer, Acta Oncol 1990; **29:** 343
Mouridsen HT; Alfthan C; Bastholt L; et al: current status of epirubicin (Farmorubicin) in the treatment of solid tumours, Acta Oncol 1990; **29:** 257
Mouriesse H See **Arriagada R**
Mourino MR See **Rusinek H**
Mourino MR: from Thales to Lauterbur, or from the lodestone to MR imaging: magnetism and medicine, Radiology 1991; **180:** 593
Mouritzen C: bestatin as adjuvant treatment in operated stage I and stage II non-small cell lung cancer, Acta Oncol 1990; **29:** 817
Moutaery KR See **Sharif HS**
Movahed A See **Wagoner LE**
Mowji PJ; Jones MD; Cohen AJ: localized ileus of the proximal jejunum: a new sign for acute appendicitis, Gastrointest Radiol 1989; **14:** 173
Mowry-Hanley J See **Gaynes R**
Moxon LN See **Brereton IM**
Moxon LN See **Doddrell DM**
Moxon LN; Rose SE; Haseler LJ; et al: visibility of the ^{1}H NMR signal of ethanol in the dog brain, Magn Res Med 1991; **19:** 340
Moxon RA See **Borgstein RL**
Moyer TP See **Nelson PE**
Moyers JH See **Nelson RC**
Moyes JSE; Babich JW; Carter R; et al: quantitative study of radioiodinated metaiodobenzylguanidine uptake in children with neuroblastoma: correlation with tumor histopathology, J Nucl Med 1989; **30:** 474
Moylan DF See **Karamalegos AZ**
Mozley PD See **Kohn MI**
Mozley PD See **Milton WJ**
Mrkvicka R See **Schwarcz TH**
Mrose H See **Kopans DB**
Mrose HE See **Schaefer CM**
Mrose HE See **Shin JH**
Msall ME; Reese ME; DiGaudio K; et al: symptomatic atlantoaxial instability associated with medical and rehabilitative procedures in children with Down syndrome, (ab), Radiology 1990; **176:** 886
Muchada R See **Lavandier B**
Mudgett EE See **Wahl RL**
Mudra H; Zwehl W; Klauss V; et al: intraoperative myocardial contrast echocardiography for assessment of regional bypass perfusion, (ab), Radiology 1991; **180:** 294
Muehlhiehner G See **Karp JS**
Muelenaer AA Jr See **White KS**
Mueller CF See **Chandnani VP**
Mueller DL See **Amundson GM**
Mueller HA See **Hassell PR**
Mueller PR See **Brink JA**
Mueller PR See **Goldberg MA**
Mueller PR See **Kammer B**
Mueller PR See **Lee MJ**
Mueller PR See **Morrison MC**
Mueller PR See **Saini S**
Mueller PR See **Silverman SG**
Mueller PR See **Simeone JF**
Mueller PR See **Steiner E**
Mueller PR See **Tung GA**
Mueller PR: metallic endoprostheses: boon or bust?, Radiology 1991; **179:** 603
Mueller PR; Lee MJ; Saini S; Brink JA; Hahn PF; Dawson SL; Kammer B; Morrison MC; Shortsleeve M; Ferrucci JT: percutaneous contact dissolution of gallstones: complexity of radiologic care, Radiographics 1991; **11:** 759
Mueller PR; Silverman SG; Tung G; Brink JA; Cardenosa G; Saini S; Forman BH; Hahn PF: new universal precaution aspiration tray, Radiology 1989; **173:** 278
Mueller PR; Stark DD; Simeone JF; et al: clinical use of a nonferromagnetic needle for magnetic resonance-guided biopsy, Gastrointest Radiol 1989; **14:** 61
Mueller PR; White EM; Glass-Royal M; Zeman RK; Saini S; Silverman SG; Hahn PF; Simeone JF: infected abdominal tumors: percutaneous catheter drainage, Radiology 1989; **173:** 627
Mueller SC; Wallenberg-Pachaly HV; Voges GE; et al: comparison of selective internal iliac pharmacoangiography, penile brachial index and duplex sonography with pulsed Doppler analysis for the evaluation of vasculogenic (arteriogenic) impotence, (ab), Radiology 1991; **178:** 293
Mueller SP See **Nagel JS**
Mügge A; Daniel WG; Lichtlen PR: imaging of patent ductus arteriosus by transesophageal color-coded Doppler echocardiography, JCU 1991; **19:** 128
Mügge A; Konitzer M; Gaab M; et al: ultrasound imaging of the spinal cord via the esophagus in conscious patients: initial experience, JCU 1991; **19:** 187
Mugler JP III See **Runge VM**
Mugler JP III; Brookeman JR: evaluation of a simple method for reconstructing asymmetrically sampled echo data, JMRI 1991; **1:** 487
Mugler JP III; Brookeman JR: three-dimensional magnetization-prepared rapid gradient-echo imaging (3D MP RAGE), Magn Res Med 1990; **15:** 152
Mugler MP III: potential degradation in image quality due to selective averaging of phase-encoding lines in Fourier transform MRI, Magn Res Med 1991; **19:** 170
Mühlsteffen A See **Baierl P**
Muhm JR See **Huston J III**
Muhr C See **Bergström M**
Muir BB See **Chambers SE**
Muir CS; Nectoux J; Staszewski J: epidemiology of prostatic cancer: geographical distribution and time-trends, Acta Oncol 1991; **30:** 133
Mujoo K See **Murray JL**
Mukae H See **Nakanishi T**
Mukai K See **Takayasu K**
Mukai M; Ando K; Koike S; et al: effect of combination therapy of radiation and local administration of OK-432 on a murine fibrosarcoma, Int J Radiat Oncol Biol Phys 1989; **17:** 125
Mukherji M See **Harnish PP**
Mukhopadhyay S See **Rao M**
Mukhopadhyay S See **Tandon N**
Mukojima T See **Niizawa M**
Mulcahy P: CT and MRI of the liver and biliary system, Radiology 1991; **181:** 204
Mulcahy P: CT and MRI of the thorax, Radiology 1991; **181:** 384
Mulcahy PF See **Day DL**
Mulcahy RT See **Brosing JW**
Mulcahy RT See **Kinsella TJ**
Mulder DS See **Nguyen DM**
Mulder LD; Gardiner GA; Weeks DA: primary small cell carcinoma of the esophagus: case presentation and review of the literature, Gastrointest Radiol 1991; **16:** 5

Mulhauser J See **Phillips GWL**
Mulhollan TJ See **Reifsnyder AC**
Mulholland MW See **Shaw DWW**
Mulkens TH; Vereycken HA; Van Nueten JC; et al: bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature, Urol Radiol 1990; **12:** 154
Mulkern RV See **Jolesz FA**
Mulkern RV See **Melki PS**
Mulkern RV; Bleier AR; Sandor T; et al: compatibility of the two-site exchange model and ^{1}H NMR relaxation rates, Magn Res Med 1990; **14:** 377
Mulkern RV; Stromski ME; Brady HR; et al: regional ^{1}H transverse magnetization studies in perfused rabbit kidney, Magn Res Med 1991; **20:** 78
Mulkern RV; Wong STS; Jakab P; et al: CPMG imaging sequences for high field *in vivo* transverse relaxation studies, Magn Res Med 1990; **16:** 67
Mull M; Aulich A; Hennerici M: transcranial Doppler ultrasonography versus arteriography for assessment of the vertebrobasilar circulation, JCU 1990; **18:** 539
Mullaart RA; Hopman JCW; Daniels O; et al: repeatability of Doppler ultrasound measurement of blood flow velocity and its variability in the supraclinoid segment of the internal carotid artery in preterm newborns, Ultrasound Med Biol 1989; **15:** 545
Mullan B See **Hayes AA**
Mullan BP See **Surveyor I**
Mullan JF See **Levin DN**
Mullani N See **Hicks K**
Mullani N See **Volkow ND**
Mullani NA See **Gould KL**
Mullani NA See **Xu EZ**
Mullani NA; Gould KL; Hartz RK; et al: design and performance of POSICAM 6.5 BGO positron camera, J Nucl Med 1990; **31:** 610
Mullen DJ See **Halpern EJ**
Müller C; Klepetko W; Sinzinger H: misleading Ga-67–Tc-99m colloid subtraction liver scintigraphy in a patient with pheochromocytoma, Clin Nucl Med 1990; **15:** 744
Müller C; Zielinski CC; Linkesch W: in vivo tracing of indium-111 oxine-labeled human peripheral blood mononuclear cells in patients with lymphatic malignancies, J Nucl Med 1989; **30:** 1005
Müller D See **Laub M**
Muller DWM; Topol EJ; George BS; et al: two-year outcome after angiographically documented myocardial reperfusion for acute coronary occlusion, (ab), Radiology 1991; **180:** 886
Muller H See **Young SW**
Muller HH See **Freeman DM**
Muller HH See **Ratner AV**
Muller HH See **Rubin DL**
Müller HR; Brunhölzl C; Radü EW; et al: sex and side differences of cerebral arterial caliber, Neuroradiol 1991; **33:** 212
Müller HR; Hinn G; Buser MW: internal jugular venous flow measurement by means of a duplex scanner, J Ultrasound Med 1990; **9:** 261
Muller JE See **Tofler GH**
Muller MF See **Christophe C**
Müller NL See **Bilbey JH**
Müller NL See **Dawson WB**
Müller NL See **Forster BB**
Müller NL See **Fradet G**
Müller NL See **Graham NJ**
Müller NL See **Guerry-Force ML**
Müller NL See **Kinsella M**
Müller NL See **Leung AN**
Müller NL See **Malone DE**
Müller NL See **Mathieson JR**
Müller NL See **Mayo JR**
Müller NL See **Miller RR**
Müller NL See **Moore ADA**
Müller NL See **Phillips CJ**
Müller NL See **Silver SF**
Müller NL See **Templeton PA**
Müller NL See **Zwirewich CV**
Müller NL: computed tomography in chronic interstitial lung disease, Radiol Clin North Am 1991; **29:** 1085
Müller NL: differential diagnosis of chronic diffuse infiltrative lung disease on high-resolution computed tomography, Semin Roentgenol 1991; **26:** 132
Müller NL; Chiles C; Kullnig P: pulmonary lymphangiomyomatosis: correlation of CT with radiographic and functional findings, Radiology 1990; **175:** 335
Müller NL; Kullnig P; Miller RR: CT findings of pulmonary sarcoidosis: analysis of 25 patients, AJR 1989; **152:** 1179
Müller NL; Mawson JB; Mathieson JR; Abboud R; Ostrow DN; Champion P: sarcoidosis: correlation of extent of disease at CT with clinical, functional, and radiographic findings, Radiology 1989; **171:** 613
Müller NL; Mayo JR; Lentle BC: imaging of diffuse lung diseases: past, present, and future, Radiol Clin North Am 1991; **29:** 1115
Müller NL; Miller RR: computed tomography of chronic diffuse infiltrative lung disease. part 2, (ab), Radiology 1991; **179:** 884
Müller NL; Miller RR: diffuse pulmonary hemorrhage, Radiol Clin North Am 1991; **29:** 965
Müller NL; Miller RR: neuroendocrine carcinomas of the lung, Semin Roentgenol 1990; **25:** 96
Müller NL; Miller RR: state of the art: computed tomography of chronic diffuse infiltrative lung disease. part I, (ab), Radiology 1991; **180:** 884
Müller NL; Miller RR; Ostrow DN; et al: clinico-radiologic-pathologic conference: diffuse thickening of the tracheal wall, J Canad Assoc Radiol 1989; **40:** 213
Müller NL; Staples CA; Miller RR: bronchiolitis obliterans organizing pneumonia: CT features in 14 patients, AJR 1990; **154:** 983
Muller P See **Chui M**
Müller PH See **Stutte H**
Muller RN; Vallet P; Maton F; et al: recent developments in design, characterization, and understanding of MRI and MRS contrast media, Invest Radiol 1990; **25:** S34
Müller S See **Beckmann N**
Müller S See **Hafner H-P**
Müller S: multislice snapshot FLASH using SIMUSIM, Magn Res Med 1990; **15:** 497
Müller S: simultaneous multislice imaging (SIMUSIM) for improved cardiac imaging, Magn Res Med 1989; **10:** 145
Müller S; Beckmann N: ^{13}C spectroscopic imaging. a simple approach to *in vivo* ^{13}C investigations, Magn Res Med 1989; **12:** 400
Müller S; Hotz M: human brainstem auditory evoked potentials (BAEP) before and after MR examinations, Magn Res Med 1990; **16:** 476
Müller SP; Kijewski MF; Moore SC; et al: maximum-likelihood estimation: a mathematical model for quantitation in nuclear medicine, J Nucl Med 1990; **31:** 1693
Müller-Forell W; Dei-Anang K; Perneczky A; et al: neurinoma of the jugular foramen, Neuroradiol 1990; **32:** 244
Müller-Gerbl M; Putz R; Hodapp N; et al: computed tomography-osteoabsorptiometry for assessing the density distribution of subchondral bone as a measure of long-term mechanical adaptation in individual joints, Skeletal Radiol 1989; **18:** 507
Müller-Leisse C See **Bick U**
Müller-Leisse C See **Schmitz-Rode T**
Müller-Miny H See **Erlemann R**
Muller-Runkel R; Kalokhe UP: scatter dose from tangential breast irradiation to the uninvolved breast, Radiology 1990; **175:** 873
Muller-Runkel R; Vijayakumar S: equivalent total doses for different fractionation schemes, based on the linear quadratic model, Radiology 1991; **179:** 573
Müller-Sievers K; Kober B: considerations on recombination losses in ionization chambers using pulsed electron beams with beam scanning, Int J Radiat Oncol Biol Phys 1989; **17:** 1323
Müller-Suur C See **Müller-Suur R**
Müller-Suur R; Bois-Svensson I; Mesko L: comparative study of renal scintigraphy and clearance with technetium-99m-MAG_3 and iodine-123-hippurate in patients with renal disorders, J Nucl Med 1990; **31:** 1811
Müller-Suur R; Müller-Suur C: glomerular filtration and tubular secretion of MAG-3 in the rat kidney, J Nucl Med 1989; **30:** 1986
Mullerworth MH See **Smith JA**
Mulligan G; Meier P: lipoma and agenesis of the corpus callosum with associated choroid plexus lipomas: in utero diagnosis, J Ultrasound Med 1989; **8:** 583
Mulligan JS See **Yakes WF**
Mulligan JS; Blue PW; Hasbargen JA: methods for measuring GFR with technetium-99m-DTPA: an analysis of several common methods, J Nucl Med 1990; **31:** 1211
Mulligan JS Jr: ioxaglate: contraindicated for penile cavernosography?, Radiology 1990; **174:** 286
Mulligan ME See **Shanley DJ**
Mulligan SA See **Sykes JT**
Mulligan SA; Holley HC; Koehler RE; et al: CT and MR imaging in the evaluation of retroperitoneal fibrosis, JCAT 1989; **13:** 277
Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM: peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Radiology 1991; **178:** 695
Mulligan SA; Nath PH; Keller FS; et al: acquired diseases of aberrant subclavian arteries, J Thorac Imag 1989; **4-2:** 76
Mulligan T See **Haden HT**
Mullins CE See **Ali Khan MA**
Mullins CE; Latson LA; Neches WH; et al: balloon dilation of miscellaneous lesions: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Radiology 1990; **177:** 893
Mulne A See **Rollins N**
Mulry CC; LeVeen RF; Sobel M; Lampe PJ; Burke DR: assessment of heparin anticoagulation during peripheral angioplasty, JVIR 1991; **2:** 133
Mulvagh SL See **Johnston DL**
Mulvagh SL; Rokey R; Vick GW III; et al: usefulness of nuclear magnetic resonance imaging for evaluation of pericardial effusions, and comparison with two-dimensional echocardiography, (ab), Radiology 1990; **175:** 884
Mulvihill DM See **Murayama S**
Mulvihill DM See **Rizzo AJ**
Mumford LM See **Venta LA**
Mun CW See **Cho ZH**
Mun CW See **Kim WS**
Mun SK See **Choyke PL**
Mun SK See **Horii SC**
Münch S See **Madjar H**
Munchow AM See **Beltran J**
Munda R See **Hirsch H**
Munda R See **Moulton JS**
Munden M See **Chung CJ**
Mundlos S See **Schmidt H**
Mundy WM See **Stubbs DM**
Munechika H; Kushihashi T; Gokan T; et al: renal cell carcinoma extending into the renal pelvis simulating transitional cell carcinoma, Urol Radiol 1990; **12:** 11
Munechika H; Sullivan DC; Hedlund LW; et al: evaluation of acute renal failure with magnetic resonance imaging using gradient-echo and Gd-DTPA, Invest Radiol 1991; **26:** 22
Munk PL See **Fraser JD**
Munk PL See **Helms CA**
Munk PL See **Holt RG**
Munk PL See **Kwong JS**
Munk PL See **Winter DDB**
Munk PL: coloboma: evaluation with real-time sonography, AJR 1990; **154:** 391
Munk PL: magnetic resonance imaging of the knee: an overview, J Canad Assoc Radiol 1989; **40:** 296
Munk PL: recent advances in magnetic resonance imaging of musculoskeletal tumours, J Canad Assoc Radiol 1991; **42:** 39
Munk PL; Burhenne LW; Buffam FV; Nugent RA; Lin DTC: dacryocystography: comparison of water-soluble and oil-based contrast agents, Radiology 1989; **173:** 827
Munk PL; Helms CA: coronoid process hyperplasia: CT studies, Radiology 1989; **171:** 783
Munk PL; Helms CA: temporomandibular joint synovial osteochondromatosis: CT manifestations, J Canad Assoc Radiol 1989; **40:** 274
Munk PL; Helms CA; Genant HK; et al: magnetic resonance imaging of the knee: current status, new directions, Skeletal Radiol 1989; **18:** 569
Munk PL; Helms CA; Holt RG: immature bone infarcts: findings on plain radiographs and MR scans, AJR 1989; **152:** 547
Munk PL; Helms CA; Holt RG; et al: MR imaging of aneurysmal bone cysts, AJR 1989; **153:** 99
Munk PL; Holt RG; Helms CA; Genant HK: glenoid labrum: preliminary work with use of radial-sequence MR imaging, Radiology 1989; **173:** 751
Munk PL; Lin DTC: dacryocystoplasty. an oculoplastic surgeon's perspective: reply, Radiology 1991; **180:** 290
Munk PL; Lin DTC; Morris DC: epiphora: treatment by means of dacryocystoplasty with balloon dilation of the nasolacrimal drainage apparatus, Radiology 1990; **177:** 687
Munk PL; Morris DC; Nelems B: left main bronchial-esophageal fistula: a complication of bronchial artery embolization, Cardiovasc Intervent Radiol 1990; **13:** 95
Munk PL; Vellet AD; Zwirewich C: torsion of the upper lobe of the lung after surgery: findings on pulmonary angiography, AJR 1991; **157:** 471
Munkacsi J See **Wedge JH**
Munoz A; Madero L; Amaya J; et al: local control and survival of Ewing's sarcoma in children with radiotherapy and chemotherapy without radical surgery, Acta Oncol 1989; **28:** 245
Muñoz A; Peñarrocha L; Gallego F; et al: laryngeal chondrosarcoma: CT findings in three patients, AJR 1990; **154:** 997
Munoz C; Filly RA; Golbus MS: osteogenesis inperfecta type II: prenatal sonographic diagnosis, Radiology 1990; **174:** 181

Muñoz-Gómez J See **Campistol JM**

Muñoz-Gomez J; Collado A; Gratacós J; et al: reflex sympathetic dystrophy syndrome of the lower limbs in renal transplant patients treated with cyclosporin A, (ab), Radiology 1991; **181:** 912

Munro P; Rawlinson JA; Fenster A: digital fluoroscopic imaging device for radiotherapy localization, Int J Radiat Oncol Biol Phys 1990; **18:** 641

Munro T See **Messieh SS**

Munro TG See **Brunet WG**

Munro TG See **Vellet AD**

Munro TG: brief communication: a simple model for teaching double-contrast examinations of the gastrointestinal tract, J Canad Assoc Radiol 1989; **40:** 162

Munro TG: fractures of the base of the fifth metatarsal, J Canad Assoc Radiol 1989; **40:** 260

Munro TG: radiology seminars using teaching kits, J Canad Assoc Radiol 1989; **40:** 269

Munro TG; Pelz DM; Turnbull JM: film-reporting session as a qualifying examination in diagnostic radiology, J Canad Assoc Radiol 1990; **41:** 186

Munson JL See **Gagner M**

Muntz HR See **McAlister WH**

Munuera L See **Berjon JJ**

Munzenrider JE; Brown AP; Chu JCH; et al: numerical scoring of treatment plans, Int J Radiat Oncol Biol Phys 1991; **21:** 147

Munzenrider JE; Doppke KP; Brown AP; et al: three-dimensional treatment planning for para-aortic node irradiation in patients with cervical cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 229

Munzenrider JE; Verhey LJ; Gragoudas ES; et al: conservative treatment of uveal melanoma: local recurrence after proton beam therapy, Int J Radiat Oncol Biol Phys 1989; **17:** 493

Mura T See **Michigishi T**

Murai I See **Shoji H**

Murakami J See **Courchesne E**

Murakami J See **Hayabuchi N**

Murakami JW See **Press GA**

Murakami M See **Maeda M**

Murakami ME See **Clayman DA**

Murakami N See **Ohnishi T**

Murakami S; Miki Y: human skin histology using high-resolution echography, JCU 1989; **17:** 77

Murakami T See **Fujita N**

Murakami T See **Shoji H**

Murakami T; Kuroda C; Marukawa T; et al: regenerating nodules in hepatic cirrhosis: MR findings with pathologic correlation, AJR 1990; **155:** 1227

Murakami T; Nakanishi M; Konishi T; et al: diffuse pulmonary arteriovenous fistula shown by contrast echocardiography and pulmonary angiography, Pediatr Radiol 1991; **21:** 128

Muraki A See **Hallisey MJ**

Murali AS See **Abdullah DC**

Muraki AS See **Schellinger D**

Murali J See **Maloney WJ**

Muramatsu T; Miyamae T; Dohi Y: collateral pathways observed by radionuclide superior cavography in 70 patients with superior vena caval obstruction, Clin Nucl Med 1991; **16:** 332

Muramatsu Y See **Brandt D**

Muramatsu Y See **Takayasu K**

Muramatsu Y; Moriyama N; Takayasu K; et al: CT and MR imaging of cystic ovarian teratoma with intracystic fat balls, JCAT 1991; **15:** 528

Muramatsu Y; Nawano S; Takayasu K; Moriyama N; Yamada T; Yamasaki S; Hirohashi S: early hepatocellular carcinoma: MR imaging, Radiology 1991; **181:** 209

Muranaka T: morphologic changes in the body of the pancreas secondary to a mass in the pancreatic head: analysis by CT, Acta Radiol 1990; **31:** 483

Muranaka T; Teshima K; Honda H; et al: computed tomography and histologic appearance of pancreatic metastases from distant sources, Acta Radiol 1989; **30:** 615

Murano R See **Goodsitt MM**

Murase K See **Itoh H**

Murase K See **Mochizuki T**

Murase N; Watanabe T: nuclear magnetic relaxation studies of the compartmentalized water in crosslinked polymer gels, Magn Res Med 1989; **9:** 1

Muraszko KM See **Brunberg JA**

Murat M See **Martin N**

Murata GH See **Eisenberg B**

Murata K See **Fujimoto K**

Murata K See **Isono M**

Murata K; Herman PG; Khan A; et al: intralobular distribution of oleic acid-induced pulmonary edema in the pig: evaluation by high-resolution CT, Invest Radiol 1989; **24:** 647

Murata K; Itoh H; Senda M; et al: stratified impairment of pulmonary ventilation in "diffuse panbronchiolitis:" PET and CT studies, JCAT 1989; **13:** 48

Murata K; Khan A; Herman PG: pulmonary parenchymal disease: evaluation with high-resolution CT, Radiology 1989; **170:** 629

Murata R See **Kobayashi H**

Murata R; Nakajima S; Tanaka A; et al: MR imaging of the brain in patients with mucopolysaccharidosis, AJNR 1989; **10:** 1165

Murayama C See **Hori H**

Murayama C; Suzuki A; Suzuki T; et al: radiosensitization by a new nucleoside analogue: 1-[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl-2-nitroimidazole (RP-170), Int J Radiat Oncol Biol Phys 1989; **17:** 575

Murayama N See **Peretti-Viton P**

Murayama S See **Ikezoe J**

Murayama S; Borne JA; Robinson AE; et al: MR imaging of pediatric hematologic disorders, Acta Radiol 1991; **32:** 267

Murayama S; Ikezoe J; Godwin JD; et al: radiographic changes in cardiac contours following heart transplantation: clarification by MR imaging, Acta Radiol 1991; **32:** 183

Murayama S; Manzo RP; Kirkpatrick DV; et al: squamous cell carcinoma of the tongue associated with Fanconi's anemia: MR characteristics, Pediatr Radiol 1990; **20:** 347

Murayama S; Numaguchi Y; Robinson AE: degenerative lumbar spine disorders in gradient refocused echo axial magnetic resonance images, Clin Imag 1990; **14:** 198

Murayama S; Numaguchi Y; Robinson AE: diagnosis of herniated intervertebral disks with MR imaging: a comparison of gradient-refocused-echo and spin-echo pulse sequences, AJNR 1990; **11:** 17

Murayama S; Numaguchi Y; Whitecloud TS; et al: magnetic resonance imaging of post-surgical pseudomeningocele, Comput Med Imag Graph 1989; **13:** 335

Murayama S; Robinson AE; Mulvihill DM; et al: MR imaging of pancreas in cystic fibrosis, Pediatr Radiol 1990; **20:** 536

Murayama S; Shimoda Y: completely thrombosed splenic artery aneurysm mimicking cystic pancreatic mass: computed tomographic findings, Gastrointest Radiol 1990; **15:** 205

Murch CR; Carr DH: computed tomography appearances of pulmonary alveolar proteinosis, Clin Radiol 1989; **40:** 240

Murch CR; Taylor AJN: case of the month: a clinical red herring, Br J Radiol 1991; **64:** 637

Murchison J; McIntosh C; Aitken AGF; et al: ultrasonic detection of parathyroid adenomas, Br J Radiol 1991; **64:** 679

Murday V See **Spigelman AD**

Murdoch JB See **Lampman DA**

Murdock DK See **Hwang MH**

Muren C See **Dimopoulos P**

Muren C See **Höglund M**

Muren C; Höglund M; Engkvist O; et al: osteoid osteomas of the hand: report of three cases and review of the literature, Acta Radiol 1991; **32:** 62

Muren C; Nygren E; Svartengren G: computed tomography of the scaphoid in the longitudinal axis of the bone, Acta Radiol 1990; **31:** 110

Muren C; Strandberg O: cavitary pulmonary nodules in atypical collagen disease and lupoid drug reaction: report of two cases, Acta Radiol 1989; **30:** 281

Muren C; Wadin K; Wilbrand HF: cochlea and the carotid canal, Acta Radiol 1990; **31:** 33

Müri M See **Gruetter R**

Murolo C; Costantini S; Foglia G; et al: ultrasound examination in ovarian cancer patients: a comparison with second look laparotomy, J Ultrasound Med 1989; **8:** 441

Murovic JA See **Peacock WJ**

Murphey MD See **Batnitzky S**

Murphey MD See **Bramble JM**

Murphey MD See **Caresio JF**

Murphey MD See **Lee KR**

Murphey MD: digital skeletal radiography: spatial resolution requirements for detection of subperiosteal resorption, AJR 1989; **152:** 541

Murphey MD; Batnitzky S; Bramble JM: diagnostic imaging of spinal trauma, Radiol Clin North Am 1989; **27:** 855

Murphey MD; Bramble JM; Cook LT; Martin NL; Dwyer SJ III: nondisplaced fractures: spatial resolution requirements for detection with digital skeletal imaging, Radiology 1990; **174:** 863

Murphey MD; Huang HKB; Siegel EL; et al: clinical experience in the use of photostimulable phosphor radiographic system, Invest Radiol 1991; **26:** 590

Murphey MD; Wetzel LH; Bramble JM; Levine E; Simpson KM; Lindsley HB: sacroiliitis: MR imaging findings, Radiology 1991; **180:** 239

Murphy BJ See **Falcone S**

Murphy BJ See **Fanney DR**

Murphy BJ See **Ros PR**

Murphy BJ See **Tehranzadeh J**

Murphy BJ; Casillas J; Ros PR; Morillo G; Albores-Saavedra J; Rolfes DB: CT appearance of cystic masses of the liver, Radiographics 1989; **9:** 307

Murphy EJ; Rajagopalan B; Brindle KM; et al: phospholipid bilayer contribution to ^{31}P NMR spectra *in vivo*, Magn Res Med 1989; **12:** 282

Murphy F See **Bradley EL III**

Murphy F See **George DH**

Murphy FB See **Tyrrel RT**

Murphy FB; Fernandez MdP; Kossoff MB; Dillehay DL; Malko JA; Bernardino ME: direct hepatic tumor injection in rats: can it be used for analysis of MR imaging contrast agents?, JMRI 1991; **1:** 83

Murphy FB; Small WC; Wichman RD; et al: CT and chest radiography are equally sensitive in the detection of pneumothorax after CT-guided pulmonary interventional procedures, AJR 1990; **154:** 45

Murphy FK See **Fleckenstein JL**

Murphy JG See **Schwartz RS**

Murphy JS; Freimanis RI; Harmon BH: abdominal mass in a four-year-old boy, Invest Radiol 1990; **25:** 1058

Murphy KP; Wilde P: current position of cardiac radiology in the United Kingdom, Clin Radiol 1989; **40:** 455

Murphy MK; Fernandez EJ; Clark DS: comparison of three radiofrequency coils for NMR studies of conductive samples, Magn Res Med 1989; **12:** 382

Murphy MM See **Purnell GL**

Murphy NP; Rennie J; Cooke RWI: cranial ultrasound assessment of gestational age in low birthweight infants, (ab), Radiology 1990; **175:** 591

Murphy P See **Jeans WD**

Murphy P See **Smithson PH**

Murphy PG See **O'Doherty AJ**

Murphy PH See **Wendt RE III**

Murphy PH: AAPM tutorial: acceptable risk as a basis for regulation, Radiographics 1991; **11:** 889

Murphy PH; Moore WH; Fennesy DR; et al: inaccuracies in quantitative radionuclide renal imaging due to patient position or diverging collimation, Clin Nucl Med 1991; **16:** 399

Murphy RJC See **Lamm CI**

Murphy T See **Daum-Kowalski R**

Murphy TP; Cronan JJ: evolution of deep venous thrombosis: a prospective evaluation with US, Radiology 1990; **177:** 543

Murphy TP; Dorfman GS; Yedlicka JW; McCowan TC; Vogelzang RL; Hunter DW; Carver DK; Pinsk R; Castaneda-Zuniga W; Ferris EJ; Amplatz K: LGM vena cava filter: objective evaluation of early results, JVIR 1991; **2:** 107

Murphy WA See **Conway WF**

Murphy WA See **Hardy DC**

Murphy WA See **Mann FA**

Murphy WA: shoulder joint: arthrographic CT appearance: reply, Radiology 1990; **175:** 879

Murphy WA Jr See **Stewart NR**

Murphy WA Jr See **Wilson AJ**

Murphy WA Jr: development of the ion x-ray tube. acta historica scientiarum naturalium et medicinalium, vol 35, Radiology 1991; **181:** 536

Murphy WA Jr: radiologic history exhibit: introduction to the history of musculoskeletal radiology, Radiographics 1990; **10:** 915

Murphy WA Jr; Conway WF; De Smet AA; Kaplan PA; Kneeland JB: musculoskeletal radiology: RSNA '90 meeting notes, Radiology 1991; **178:** 914

Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG: musculoskeletal radiology: RSNA '89 meeting notes, Radiology 1990; **174:** 915

Murphy WA Jr; Dalinka MK; Lodwick GS; Totty WG; Vogler JB III: musculoskeletal radiology: RSNA '88 meeting notes, Radiology 1989; **170:** 913

Murphy WA Jr; Destouet JM; Monsees BS: professional quality assurance for mammography screening programs, Radiology 1990; **175:** 319

Murphy WD; Hurst GC; Duerk JL; Feiglin DH; Christopher M; Bellon EM: atypical appearance of lipomatous tumors on MR images: high signal intensity with fat-suppression STIR sequences, JMRI 1991; **1:** 477

Murphy WD; Rovner AJ; Nazinitsky KJ: condylomata acuminata of the bladder: a rare cause of intralumiunal-filling defects, Urol Radiol 1990; **12:** 34

Murphy-Boesch J See **Vigneron DB**

Murray D See **vanAnkeren SC**

Murray DR See **Nelson RC**

Murray DR See **Sugarbaker PH**

Murray IPC See **Rossleigh MA**
Murray IPC See **Van der Wall H**
Murray IPC: clinical experience with Technegas, Clin Nucl Med 1991; **16:** 247
Murray IPC; Bass S: false-positive artifact in the investigation of osteitis pubis, Clin Nucl Med 1991; **16:** 597
Murray IPC; Dixon J: role of single photon emission computed tomography in bone scintigraphy, Skeletal Radiol 1989; **18:** 493
Murray IPC; Dixon J; Kohan L: SPECT for acute knee pain, Clin Nucl Med 1990; **15:** 828
Murray IPC; Rossleigh MA; Van der Wall H: use of SPECT in the diagnosis of epiphyseal osteoid osteoma, Clin Nucl Med 1989; **14:** 811
Murray JA See **Carrasco CH**
Murray JA See **Pan G**
Murray JB See **Forster BB**
Murray JB; Ziervogel M: value of computed tomography in the diagnosis of atlanto-axial rotatory fixation, Br J Radiol 1990; **63:** 894
Murray JL See **Abdel-Nabi HH**
Murray JL See **Frontiera M**
Murray JL See **Lamki LM**
Murray JL; Mujoo K; Wilmanns C; et al: variables influencing tumor uptake of anti-melanoma monoclonal antibodies radioiodinated using para-iodobenzoyl (PIB) conjugate, J Nucl Med 1991; **32:** 279
Murray KJ See **Cooley G**
Murray KJ See **Lawton CA**
Murray KK; McLellan GL: renal peripelvic lymphangiectasia: appearance at CT, Radiology 1991; **180:** 455
Murray MJ See **Anscher MS**
Murray MJ See **Fleischer AC**
Murray PA; Harnett AN; Thompson PI; et al: periventricular enhancement: a non-pathognomonic sign of intracerebral tumours, Br J Radiol 1989; **62:** 1075
Murray PD See **Epstein DH**
Murray PI See **Travis RC**
Murray S See **Langlotz H**
Murray WT See **Traughber PD**
Murtagh FR See **Kudryk BT**
Murtagh FR See **Manzi SV**
Murtagh FR See **Savader SJ**
Murthy AK See **Hartsell WF**
Murthy AK See **Urbon J**
Murugasu B; Yip WCL; Tay JSH; et al: sonographic screening for renal tract anomalies associated with congenital heart disease, JCU 1990; **18:** 79
Musante F; Derchi LE; Bazzocchi M; et al: MR imaging of adrenal myelolipomas, JCAT 1991; **15:** 111
Musbach M See **Brouwers PJAM**
Musbach M See **Vriens EM**
Mushlin AI; Thornbury JR: intravenous pyelography: the case against its routine use, (ab), Radiology 1990; **174:** 292
Musolino A; Tournoux P; Missir O; et al: methodology of "in vivo" anatomical study and stereo-electroencephalographic exploration in brain surgery for epilepsy, J Neuroradiol 1990; **17:** 67
Musset D See **Rosso J**
Mussurakis S: compression US in isolated calf venous thrombosis, Radiology 1991; **181:** 351
Mustafa AA; Janeczek J: organ doses from cardiac and carotid digital subtraction angiography, Br J Radiol 1989; **62:** 838
Mustafa MA See **Joharjy IA**
Mustaphin DS See **Balmukhanov SB**
Musu C See **Pavone P**
Musu C See **Vittadini G**
Musu C; Felder E; Fumagalli L; et al: smiles rearrangement: a new synthetic pathway to the synthesis of 5-(hydroxyacyl)amino-2,4,6-triiodoisophthalamides, Invest Radiol 1990; **25:** S100
Musulin RA See **Parker KJ**
Mutalik PG See **Swett HA**
Muto S See **Suzuki A**
Mutschler W See **Reuther G**
Mützel W See **Thiesen B**
Muz J See **Mehall CJ**
Muzykantov VR; Puchnina EA; Atochina EN; et al: endotoxin reduces specific pulmonary uptake of radiolabeled monoclonal antibody to angiotensin-converting enzyme, J Nucl Med 1991; **32:** 453
Myears DW See **Brown MA**
Myer CM See **Towbin RB**
Myer CM III See **Auringer ST**
Myer CM III: potential hazards of esophageal foreign body extraction, Pediatr Radiol 1991; **21:** 97
Myers AR See **Maurer AH**
Myers DL See **Sataloff RT**
Myers HJ See **Goldberg HI**
Myers JL See **Shin MS**
Myers JL See **Tazelaar HD**
Myers ME See **Myers TV**
Myers ME: head and neck imaging. 2nd ed, Radiology 1991; **181:** 740
Myers MJ See **Hawkins PN**
Myers ML See **Hurlbut D**
Myers R See **Hornsey S**
Myers TV; Egelhoff J; Myers ME: glioblastoma multiforme presenting as osteoblastic metastatic disease: case report and review of the literature, AJNR 1990; **11:** 802
Myers TV; Tsai FY; Myers ME: monorail system for percutaneous repositioning of the Greenfield vena cava filter, Radiology 1991; **179:** 880
Myers WG; Dahl JR; Graham MC: xenon-127m: a new radionuclide for applications in nuclear medicine, J Nucl Med 1990; **31:** 489
Myerson RJ See **Emami B**
Myerson RJ; Perez CA; Emami B; et al: tumor control in long-term survivors following superficial hyperthermia, Int J Radiat Oncol Biol Phys 1990; **18:** 1123
Myhr G See **Sand T**
Myhre KI See **Lund MB**
Myler RK See **Belli A-M**
Myler RK See **Webb JG**
Myllymäki T; Bondestam S; Suramo I; et al: ultrasonography of jumper's knee, Acta Radiol 1990; **31:** 147
Myrianthopoulos LC See **Vijayakumar S**
Myschetzky P See **Holm HH**

N

Na A-T See **Chau W-K**
Nabatame H; Fujimoto N; Nakamura K; et al: high intensity areas on noncontrast T1-weighted MR images in cerebral infarction, JCAT 1990; **14:** 521
Naber SP See **Staudinger KM**
Nabseth DC See **Schutz T**
Nachtigal D See **Hardoff R**
Nadel L See **Laine FJ**
Nadel L; Braun IF; Kraft KA; et al: intracranial vascular abnormalities: value of MR phase imaging to distinguish thrombus from flowing blood, AJNR 1990; **11:** 1133
Nadel L; Braun IF; Kraft KA; et al: intracranial vascular abnormalities: value of MR phase imaging to distinguish thrombus from flowing blood, AJR 1991; **156:** 373
Nadel S See **Weber A**
Nadel SN See **Baker ME**
Nadel SN See **Runge VM**
Nadimpalli SR See **Kirshenbaum KJ**
Nadimpalli SR See **Madayag MA**
Naeser P; Thuomas KÅ; Roberto A; et al: changes in MR of malignant melanomas induced by glucose and fructose: a clinical and experimental investigation, Acta Radiol 1991; **32:** 206
Nafis WA See **Stewart CA**
Nagai H See **Ohara S**
Nagai K See **Tamai H**
Nagamachi S See **Ohnishi T**
Nagamachi S; Jinnouchi S; Inoue K; et al: equilibrium radionuclide ventriculography in Duchenne's cardiomyopathy, Clin Nucl Med 1990; **15:** 887
Nagamachi S; Jinnouchi S; Ono S; et al: Tl-201 myocardial SPECT in patients with Duchenne's muscular dystrophy: a long-term follow-up, Clin Nucl Med 1989; **14:** 827
Nagao Y See **Nomura Y**
Nagasaka M See **Kuchiwaki H**
Nagasaki A; Handa N; Kawanami T: diagnosis of urachal anomalies in infancy and childhood by contrast fistulography, ultrasound and CT, Pediatr Radiol 1991; **21:** 321
Nagashima G See **Alger JR**
Nagashima M See **Higano S**
Nagata S See **Nishimura T**
Nagata Y See **Nishidai T**
Nagata Y See **Okajima K**
Nagata Y; Kohno S; Saga T; et al: CT manifestations of a ruptured hepatic tumor after transcatheter arterial embolization, Comput Med Imag Graph 1989; **13:** 419
Nagata Y; Kumada K; Yamada R; et al: pulmonary thromboembolism following angioplasty for membranous occlusion of the vena cava: case report, Cardiovasc Intervent Radiol 1989; **12:** 304
Nagata Y; Nakano Y; Abe M; et al: osseous metastases from hepatocellular carcinoma: embolization for pain control, Cardiovasc Intervent Radiol 1989; **12:** 149
Nagata Y; Nishidai T; Abe M; et al: CT simulator: a new 3-D planning and simulating system for radiotherapy: part 2. clinical application, Int J Radiat Oncol Biol Phys 1990; **18:** 505
Nagata Y; Nishidai T; Abe M; et al: laser projection system for radiotherapy and CT-guided biopsy, JCAT 1990; **14:** 1046
Nagata Y; Yamamoto K; Hiraoka M; et al: monitoring liver tumor therapy with [^{18}F]FDG positron emission tomography, JCAT 1990; **14:** 370
Nagel JS See **Franceschi D**
Nagel JS See **Parker JA**
Nagel JS See **Tumeh SS**
Nagel JS; Ichise M; Holman BL: scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans, Semin Nucl Med 1991; **21:** 11
Nagel JS; Ichise M; Mueller SP; et al: increased iofetamine I 123 brain uptake in metastatic melanoma, (ab), Radiology 1989; **171:** 887
Nagel TL; Alderman DW; Schoenborn RR; et al: slotted crossover surface coil: a detector for *in vivo* NMR of skin, Magn Res Med 1990; **16:** 252
Nagel TL; Stolk JA; Alderman DW; et al: crossover surface coil: an efficient *in vivo* NMR detector, Magn Res Med 1990; **13:** 271
Nägele T See **Klose U**
Nageotte MP See **Hurwitz SR**
Nagle C; Clark K; Browning D; et al: testicular ischemia and infarction following herniorrhaphy or varicocelectomy: evaluation by radionuclide imaging, Clin Nucl Med 1989; **14:** 243
Nagle WA See **Monson TP**
Nagorney DM See **Bjork KJ**
Nagorney DM; Lohmuller JL: choledochoscopy: a cost-minimization analysis, (ab), Radiology 1990; **177:** 595
Någren K See **Leskinen-Kallio S**
Nagurka M See **Wholey MH**
Nahass RG See **Amorosa JK**
Nahrwold DL See **Werbel GB**
Nahum H See **Arrivé L**
Nahum H See **Martin N**
Naidech H See **Steiner RM**
Naidech HJ See **Altin RS**
Naidech HJ See **Flicker S**
Naidich DP See **Bhalla M**
Naidich DP See **Ergun DL**
Naidich DP See **Huang R-M**
Naidich DP See **Moore ADA**
Naidich DP: CT/MR correlation in the evaluation of tracheobronchial neoplasia, Radiol Clin North Am 1990; **28:** 555
Naidich DP: high-resolution computed tomography of cystic lung disease, Semin Roentgenol 1991; **26:** 151
Naidich DP: pulmonary parenchymal high-resolution CT: to be or not to be, Radiology 1989; **171:** 22
Naidich DP; Funt S; Ettenger NA; Arranda C: hemoptysis: CT-bronchoscopic correlations in 58 cases, Radiology 1990; **177:** 357
Naidich DP; McGuinness G: pulmonary manifestations of AIDS: CT and radiographic correlations, Radiol Clin North Am 1991; **29:** 999
Naidich DP; Marshall CH; Gribbin C; Arams RS; McCauley DI: low-dose CT of the lungs: preliminary observations, Radiology 1990; **175:** 729
Naidich DP; Tarras M; Garay SM; et al: Kaposi's sarcoma: CT-radiographic correlation, (ab), Radiology 1990; **175:** 588
Naidich DP; Weinreb JC; Schinella R: MR imaging of pulmonary parenchyma: comparison with CT in evaluating cadaveric lung specimens, JCAT 1990; **14:** 595
Naidich DP; Zerhouni EA: high resolution CT of the pulmonary parenchyma, (ab), Radiology 1990; **177:** 291
Naidich JB See **Desai MB**
Naidich TP See **Kieffer SA**
Naidich TP See **Segall HD**
Naidich TP; Teeter BC; Nieves A; et al: rapid three-dimensional display of the cerebral ventricles from noncontrast CT scans, JCAT 1989; **13:** 779
Naidu S; Moser HW: value of neuroimaging in metabolic diseases affecting the CNS, AJNR 1991; **12:** 413
Naimark A See **Fielding JR**
Naimark A; Baum A: pitfall-to-avoid: injection of the subcoracoid bursa: a cause of technical failure in shoulder arthrography, J Canad Assoc Radiol 1989; **40:** 170
Nair JMG; Bellevue R; Bertoni M; et al: thrombotic thrombocytopenia purpura in patients with the acquired immunodeficiency syndrome (AIDS)-related complex: a report of two cases, (ab), Radiology 1989; **170:** 904
Nair N See **Bal C**
Nairn ER; Chapman S: new type of lethal short-limbed dwarfism, Pediatr Radiol 1989; **19:** 253
Naisby GP See **Todd AW**
Naisby GP; Owen JP; Alexander TW; et al: transfemoral digital subtraction aortography: are diluted high osmolar contrast media acceptable?, Acta Radiol 1991; **32:** 137
Naito H See **Yamada N**
Naito Y See **Yamada M**
Naitoh Y See **Mitake M**
Naitou S See **Honda H**
Najarian JS See **Letourneau JG**

Najm YC See **West DJ**

Najmark D See **Arrivé L**

Nakada K See **Kubo K**

Nakada T See **Houkin K**

Nakada T; Houkin K; Hida K; et al: rebound alkalosis and persistent lactate: multinuclear (^1H, ^{13}C, ^{31}P) NMR spectroscopic studies in rats, Magn Res Med 1991; **18:** 9

Nakada T; Kwee IL; Suzuki N; et al: intrauterine fetal brain NMR spectroscopy: ^1H and ^{31}P studies in rats, Magn Res Med 1989; **12:** 172

Nakagawa H See **Iwasaki S**

Nakagawa H See **Miyazawa T**

Nakagawa H See **Okamoto M**

Nakagawa H; Iwasaki S; Kichikawa K; et al: MR imaging of pineocytoma: report of two cases, AJNR 1990; **11:** 195

Nakagawa K See **Katsushima S**

Nakagawa K See **Yoshioka H**

Nakagawa N See **Barnhart W**

Nakagawa N See **Cragg AH**

Nakagawa N; Cragg AH; Smith TP; Landas SK; De Jong SC: peripheral atherectomy: experimental results with a new device, JVIR 1990; **1:** 127

Nakagawa S See **Ishikawa N**

Nakagawa T See **Sakuma H**

Nakagawa T See **Takeda K**

Nakagawa T See **Tonami H**

Nakagawa T See **Umehara I**

Nakagawara A See **Hachitanda Y**

Nakagomi T See **Kitanaka C**

Nakahara I; Taki W; Nishi S; et al: treatment of giant anterior communicating artery aneurysm via an endovascular approach using detachable balloons and occlusive coils, AJNR 1990; **11:** 1195

Nakahara K; Fujii Y; Miyoshi S; et al: acute symptoms due to a huge duplication cyst ruptured into the esophagus, (ab), Radiology 1991; **179:** 292

Nakahashi H; Yasumoto K; Ishida T; et al: results of surgical treatment of patients with T3 non-small cell lung cancer, (ab), Radiology 1989; **171:** 291

Nakai T See **Kawamura Y**

Nakaizumi A; Iishi H; Yamamoto R; et al: diagnosis of hepatic cavernous hemangioma by fine needle aspiration biopsy under ultrasonic guidance, Gastrointest Radiol 1990; **15:** 39

Nakajima K See **Taki J**

Nakajima K; Taki J; Bunko H; et al: dynamic acquisition with a three-headed SPECT system: application to technetum 99m-SQ30217 myocardial imaging, J Nucl Med 1991; **32:** 1273

Nakajima M See **Nakasu S**

Nakajima S See **Murata R**

Nakajima T: possibility of retrospective dosimetry for persons accidentally exposed to ionizing radiation using electron spin resonance of sugar and mother-of-pearl, Br J Radiol 1989; **62:** 148

Nakajima Y See **Ishikawa T**

Nakakoshi T; Moriwaka F; Tashiro K; et al: aseptic meningitis complicating iotrolan myelography, AJNR 1991; **12:** 173

Nakamae H See **Andoh K**

Nakamori N See **Katsuragawa S**

Nakamori N See **MacMahon H**

Nakamori N; Doi K; MacMahon H; et al: effect of heart-size parameters computed from digital chest radiographs on detection of cardiomegaly: potential usefulness for computer-aided diagnosis, Invest Radiol 1991; **26:** 546

Nakamura H See **Furui S**

Nakamura H See **Hashimoto T**

Nakamura H See **Inoue Y**

Nakamura H; Hashimoto T; Oi H; et al: prevention of gastric complications in hepatic arterial chemoembolization: balloon catheter occlusion technique, Acta Radiol 1991; **32:** 81

Nakamura H; Hashimoto T; Oi H; et al: treatment of hepatocellular carcinoma by segmental hepatic artery injection of adriamycin-in-oil emulsion with overflow to segmental portal veins, Acta Radiol 1990; **31:** 347

Nakamura H; Hashimoto T; Oi H; Sawada S: transcatheter oily chemoembolization of hepatocellular carcinoma, Radiology 1989; **170:** 783

Nakamura K See **Fujimoto K**

Nakamura K See **Nabatame H**

Nakamura K; Sato Y; Nakata H: computed tomography of adrenal metastases in hepatocellular carcinoma: report of four cases, Acta Radiol 1989; **30:** 550

Nakamura R See **Kakitsubata Y**

Nakamura S See **Tanaka K**

Nakamura T See **Mejia AA**

Nakamura T See **Nakazawa S**

Nakamura T See **Okada A**

Nakamura T See **Okazaki M**

Nakamura T; Moriyasu F; Ban N; et al: quantitative measurement of abdominal arterial blood flow using image-directed Doppler ultrasonography: superior mesenteric, splenic, and common hepatic arterial blood flow in normal adults, JCU 1989; **17:** 261

Nakane K See **Moriwaka F**

Nakanishi K See **Ikezoe J**

Nakanishi M See **Murakami T**

Nakanishi T; Okayama A; Fujikawa T; Mukae H; Hashida M; Yamauchi S; Ueda K; Yokoyama T: sagittal tomography in the supine patient, Radiology 1989; **171:** 574

Nakano I See **Matsumura K**

Nakano N See **Yasumitsu T**

Nakano S See **Hasegawa Y**

Nakano S See **Hosoki T**

Nakano S See **Yamashita T**

Nakano S; Hasegawa Y; Ibuka K; et al: clinical study of urinary excretion of Ga-67, Clin Nucl Med 1990; **15:** 260

Nakano S; Hasegawa Y; Kuriyama K; et al: visualization of jugular vein on a thallium-201 scan for thyroid cancer, Clin Nucl Med 1989; **14:** 449

Nakano S; Kinoshita K; Jinnouchi S; et al: comparative study of regional cerebral blood flow images by SPECT using xenon-133, iodine-123 IMP, and technetium-99m HM-PAO, J Nucl Med 1989; **30:** 157

Nakano S; Kinoshita K; Jinnouchi S; et al: critical cerebral blood flow thresholds studied by SPECT using xenon-133 and iodine-123 iodoamphetamine, J Nucl Med 1989; **30:** 337

Nakano S; Kinoshita K; Jinnouchi S; et al: dynamic SPECT with technetium-99m HM-PAO in meningiomas—a comparison with iodine-123 IMP, J Nucl Med 1989; **30:** 1101

Nakano T; Oka K; Arai T: histological and immunohistochemical prediction for local control of cervical squamous cell carcinoma treated with radiotherapy alone, Int J Radiat Oncol Biol Phys 1990; **19:** 1011

Nakano Y See **Nagata Y**

Nakano Y See **Okajima K**

Nakano Y See **Sagoh T**

Nakano Y See **Shibata T**

Nakano Y See **Togashi K**

Nakano Y; Odagiri K: use of computed radiography in respiratory distress syndrome in the neonatal nursery, Pediatr Radiol 1989; **19:** 167

Nakanuma Y See **Kadoya M**

Nakanuma Y See **Kitagawa K**

Nakanuma Y See **Matsui O**

Nakanuma Y See **Terada T**

Nakao N; Kamino K; Miura K; et al: recurrent hepatocellular carcinoma after partial hepatectomy: value of treatment with transcatheter arterial chemoembolization, AJR 1991; **156:** 1177

Nakao N; Miura K; Takahashi H; et al: hepatic perfusion in cavernous transformation of the portal vein: evaluation by using CT angiography, AJR 1989; **152:** 985

Nakao N; Ohnishi M; Shimada T; et al: transcatheter hepatic arterial embolization with Avitene in dogs, Cardiovasc Intervent Radiol 1991; **14:** 124

Nakasato T See **Ehara S**

Nakasato T See **Sasaki M**

Nakashima T See **Ito Y**

Nakasu S; Yoshida M; Nakajima M; et al: cystic cavernous angioma in an infant: CT features, JCAT 1991; **15:** 163

Nakata H See **Egashira K**

Nakata H See **Fenstermacher MJ**

Nakata H See **Hirataka K**

Nakata H See **Nakamura K**

Nakata H See **Onomura K**

Nakata K See **Katoh Y**

Nakata K; Iwata K; Kojima K; et al: computed tomography of liver sarcoidosis, JCAT 1989; **13:** 707

Nakata M See **Okajima K**

Nakata T; Sakakibara T; Noto T; et al: myocardial distribution of indium-111-antimyosin Fab in acute inferior and right ventricular infarction: comparison with technetium-99m-pyrophosphate imaging and histologic examination, J Nucl Med 1991; **32:** 865

Nakatani M See **Miyamoto Y**

Nakatsu S See **Otsuka S-I**

Nakaya T See **Negoro M**

Nakayama DK See **Haddon MJ**

Nakayama K See **Shijo H**

Nakayama T See **Hirataka K**

Nakazawa S See **Mitake M**

Nakazawa S; Yoshino J; Nakamura T; et al: endoscopic ultrasonography of gastric myogenic tumor: a comparative study between histology and ultrasonography, J Ultrasound Med 1989; **8:** 353

Nakhleh RE See **Kuni CC**

Nakielny RA See **Belli AM**

Nakielny RA See **Jagjivan B**

Nakielny RA See **Millard FC**

Nakstad PH See **Hald JK**

Nakstad PH: reaction of cerebral arteries to non-ionic contrast media during cerebral angiography, Neuroradiol 1989; **31:** 247

Nakstad PH; Hald JK; Bakke SJ; et al: MRI in cervical disk herniation, Neuroradiol 1989; **31:** 382

Nakstad PH; Skalpe IO; Bakke SJ; et al: iopentol compared with iohexol in carotid angiography: a double blind crossover test of a new non-ionic contrast medium, Acta Radiol 1990; **31:** 221

Nalcioglu O See **Prasad PV**

Nalcioglu O See **Xiang QS**

Nalesnik WJ See **Heiberg E**

Nall LA See **Giyanani VL**

Nalls G; Disher A; Daryabagi J; et al: subcortical cerebral hemorrhages associated with cocaine abuse: CT and MR findings, JCAT 1989; **13:** 1

Nalls GA See **Lightfoote JB**

Nally JV Jr See **Desberg AL**

Namasivayam J: intraperitoneal pseudocyst formation as a complication of continuous ambulatory peritoneal dialysis, Br J Radiol 1991; **64:** 463

Namba H; Sueyoshi K: magnetic resonance imaging of a cystic meningioma, Neuroradiol 1990; **32:** 536

Namba RS See **Kilgus DJ**

Namieno T; Hata Y; Uchino J; et al: spontaneous rupture of intrahepatic artery aneurysm with complicated vascular anomalies, Gastrointest Radiol 1991; **16:** 172

Nanakawa S; Takahashi M; Kojima R; et al: preoperative computed tomography staging of rectal carcinoma, Clin Imag 1989; **13:** 29

Nance EP Jr See **Kaye JJ**

Nance EP Jr; Powers TA: imaging of the temporomandibular joint, Radiol Clin North Am 1990; **28:** 1019

Nance KV; Renner JB; Brashear HR; et al: massive florid reactive periostitis, Pediatr Radiol 1990; **20:** 186

Nanda NC See **Helmcke F**

Nanda NC See **Mehta RH**

Nanna M See **Holen J**

Napel S See **Rutt BK**

Napel S; Dunne S; Rutt BK: fast Fourier projection for MR angiography, Magn Res Med 1991; **19:** 393

Narahara KA See **Villanueva-Meyer J**

Naranjo IC; Espada JL; Torrella JE; et al: alexia without agraphia: a new case studied by CT-scan, Neuroradiol 1989; **31:** 199

Narasimham DL; Jacobsson B; Vijayan P; et al: percutaneous nephrolithotomy through an intercostal approach, Acta Radiol 1991; **32:** 162

Narayan K: use of mouse tail in the study of irradiated microvasculature, Australas Radiol 1990; **34:** 155

Narayan K; Spiropoulos A: radioresponsiveness of normal and tumour microvasculature, Australas Radiol 1990; **34:** 312

Narayan P; Vigneron DB; Jajodia P; et al: transrectal probe for ^1H MRI and ^{31}P MR spectroscopy of the prostate gland, Magn Res Med 1989; **11:** 209

Narayana PA See **Fenstermacher MJ**

Narayana PA See **Hazle JD**

Narayana PA; Jackson EF; Hazle JD; et al: *in vivo* localized proton spectroscopic studies of human gastrocnemius muscle, Magn Res Med 1989; **12:** 259

Narayana PA; Slopis JM; Jackson EF; et al: proton magnetic resonance spectroscopic studies of hypertrophied muscle: effect of botulinum toxin treatment, Invest Radiol 1991; **26:** 58

Narayanan RV See **Prakash R**

Narborough GC; Elliott S; Minford JE: congenital stricture of the urethra, Clin Radiol 1990; **42:** 402

Nardella P See **Becker GJ**

Nardi P See **Chandramouly BS**

Nardi PM See **Gugliada K**

Nardi PM; Ruchman RB: CT appearance of diffuse peritoneal endometriosis, JCAT 1989; **13:** 1075

Narita N See **Otsuji H**

Naritomi G See **Shono T**

Naritomi H See **Kazui S**

Narla LD See **Storey TF**

Narra RK; Nunn AD; Kuczynski BL; et al: neutral lipophilic technetium-99m complex for regional cerebral blood flow imaging, J Nucl Med 1990; **31:** 1370

Narra RK; Nunn AD; Kuczynski BL; et al: neutral technetium-99m complex for myocardial imaging, J Nucl Med 1989; **30:** 1830

Naruke T; Goya T; Tsuchiya R; et al: importance of surgery to non-small cell carcinoma of lung with mediastinal lymph node metastasis, (ab), Radiology 1989; **172:** 585

Narula J; Southern JF; Abraham S; et al: myocarditis simulating myocardial infarction, J Nucl Med 1991; **32:** 312

Narumi Y See **Hori S**
Narumi Y See **Inoue E**
Narumi Y; Sato T; Hori S; Kuriyama K; Fujita M; Kadowaki K; Inoue E; Maeshima S; Fujino Y; Saiki S; Kuroda M; Kotake T: squamous cell carcinoma of the uroepithelium: CT evaluation, Radiology 1989; **173:** 853
Naruse S See **Ebisu T**
Narushima K See **Komatsu Y**
Nasca S See **Liehn JC**
Nash AF See **Reed DH**
Nash G See **Bartter T**
Nash G See **Waite RJ**
Nash JE See **Miller FJ**
Nashel DJ See **Wilensky RL**
Näslund I See **Blomgren H**
Näslund I See **Jacobsson H**
Nasr A See **Lalmand B**
Nass D See **Mekhmandarov S**
Nassaux PY See **Sherman JL**
Nasu M See **Hasegawa M**
Nath H See **Alexander PW**
Nath H See **McPherson S**
Nath H See **Morgan DE**
Nath H; Sanders C; Frank M; et al: performance and consultation patterns in pulmonary radiology, Invest Radiol 1990; **25:** 1251
Nath PH See **Mulligan SA**
Nath R; Bongiorni P; Rossi PI; et al: enhanced IUdR radiosensitization by ^{241}Am photons relative to ^{226}Ra and ^{125}I photons at 0.72 Gy/hr, Int J Radiat Oncol Biol Phys 1990; **18:** 1377
Nathanielsz PW See **Maulik D**
Natowicz M; Chatten J; Clancy R; et al: genetic disorders and major extracardiac anomalies associated with hypoplastic left heart syndrome, (ab), Radiology 1989; **172:** 590
Natsuaki M See **Ohteki H**
Natvig K See **Kolbenstvedt A**
Nau H-E See **Dietrich U**
Nauert T See **Hricak H**
Naukkarinen A See **Yang XM**
Naul LG See **Maupin WB**
Naul LG; Hise JH; Bauserman SC; et al: CT and MR of meningeal melanocytoma, AJNR 1991; **12:** 315
Naul LG; Peet GJ; Maupin WB: avascular necrosis of the vertebral body: MR imaging, Radiology 1989; **172:** 219
Nauta JJP See **van den Brekel MWM**
Navab F; Boyd CM; Diner WC; et al: early and delayed indium 111 leukocyte imaging in Crohn's disease, (ab), Radiology 1989; **170:** 899
Navarro DA; Weber PM: indium 111 imaging in appendicitis, Semin US CT MR 1989; **10:** 321
Nawano S See **Brandt D**
Nawano S See **Muramatsu Y**
Nawarawong W See **Curtis JJ**
Nawata H See **Fujishima H**
Nawaz K; Farag A; Shahtto NM; et al: Tc-99m serum albumin lymphoscintigraphy of upper limbs, Clin Nucl Med 1989; **14:** 384
Nawaz MK See **Abdel-Dayem HM**
Nawaz MK; Hamad MM; Abdel-Dayem HM; et al: Tc-99m human serum albumin lymphoscintigraphy in lymphedema of the lower extremities, Clin Nucl Med 1990; **15:** 794
Nawfel RD See **Seltzer SE**
Nayak AS See **Ogawa S**
Nayler GL See **Firmin DN**
Naylor B See **Helvie MA**
Nazarian GK; Gebarski SS; Niparko JK: cranial lymphangiomatosis causing CSF otorrhea and recurrent meningitis: CT features, JCAT 1990; **14:** 121
Nazarian GK; Gross BH; Del Buono EA: goblet cell metaplasia causing alveolar disease of the lung: radiographic and pathologic findings, AJR 1989; **152:** 1195
Nazarian LN; Govoni AF; Carter DJ: 18-year-old man with a 4-month history of progressive neck and right shoulder pain, Clin Imag 1990; **14:** 67
Nazinitsky KJ See **Murphy WD**
Neal CE; Swan TL; Baker MK; et al: immunoscintigraphy of colorectal carcinoma utilizing ^{111}In-labeled monoclonal antibody conjugate CYT-103, Gastrointest Radiol 1991; **16:** 251
Neal CR; Amdur RJ; Mendenhall WM; et al: Pancoast tumor: radiation therapy alone versus preoperative radiation therapy and surgery, Int J Radiat Oncol Biol Phys 1991; **21:** 651
Neal MP See **Datoc PD**
Neal RC; Beck DE; Smith VC; et al: neonatal pneumopericardium with high-frequency ventilation, (ab), Radiology 1989; **173:** 588
Nealey PA See **Vandeman FN**
Nealon TF Jr See **Bonfils-Roberts EA**
Neblett WW See **Hernanz-Schulman M**
Neches WH See **Mullins CE**
Nectoux J See **Muir CS**
Nedzi LA See **Kooy HM**
Nedzi LA; Kooy H; Alexander E III; et al: variables associated with the development of complications from radiosurgery of intracranial tumors, Int J Radiat Oncol Biol Phys 1991; **21:** 591
Needell GS See **Nosher JL**
Needham G See **Gomersall LN**
Needle LB See **Fineman DS**
Needle LB See **Palestro CJ**
Needleman L See **Kurtz AB**
Needleman L See **Liu J-B**
Needleman L See **Mitchell DG**
Needleman L See **Pennell RG**
Needleman L See **Vilaro MM**
Needleman L See **Wechsler RJ**
Needleman L; Cronan JJ; Zwiebel WJ: ultrasound of deep venous thrombi, (ab), Radiology 1990; **174:** 902
Needleman L; Wechsler RJ; Kurtz AB: ultrasound case of the day: annual meeting, 1988, Radiographics 1989; **9:** 769
Needleman M See **Rubin RH**
Neeman M See **Sillerud LO**
Neergaard K See **Mantoni M**
Neergaard K; Gallée AM; Dirksen KL; et al: cardiac complications of intravenous digital subtraction angiography, Eur J Radiol 1989; **9:** 105
Neerhut GJ See **Goldfarb RA**
Neff BL See **Cova M**
Neff C See **Bhat S**
Neff CC; vanSonnenberg E: CT of diverticulitis: diagnosis and treatment, Radiol Clin North Am 1989; **27:** 743
Neff CC; vanSonnenberg E: surgical definition of pleural peel: reply, Radiology 1991; **178:** 889
Neff CC; vanSonnenberg E; Lawson DW; Patton AS: CT follow-up of empyemas: pleural peels resolve after percutaneous catheter drainage, Radiology 1990; **176:** 195
Neff J See **Gemer LS**
Neff JR See **De Smet AA**
Negendank WG See **Kline RA**
Negendank WG; Al-Katib AM; Karanes C; Smith MR: lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Radiology 1990; **177:** 209
Negendank WG; Corbett T; Crowley MG; et al: evidence for a contribution of paramagnetic ions to water proton spin–lattice relaxation in normal and malignant mouse tissues, Magn Res Med 1991; **18:** 280
Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL: bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Radiology 1989; **173:** 181
Neglén P See **Endrys J**
Negoro M; Nakaya T; Terashima K; et al: extracranial vertebral artery aneurysm with neurofibromatosis: endovascular treatment by detachable balloon, Neuroradiol 1990; **31:** 533
Negoro S See **Takada M**
Negre V See **Brunelle F**
Negrette JJ See **Hasan AKH**
Negrin JA See **Slavin JD Jr**
Negrin JA See **Sziklas JJ**
Negrin JA; Mack JM; Antar MA; et al: bilobed aortic aneurysm detected on bleeding study, Clin Nucl Med 1990; **15:** 443
Negro-Vilar R See **Meese RB**
Negro-Vilar R See **Weidman ER**
Negus R See **Olliff S**
Neifeld JP See **McGrath PC**
Neigel JM See **Nugent RA**
Neijt JP; van der Burg MEL; Guastalla JP; et al: phase II trial of mitozolomide in patients with advanced ovarian cancer: a study of the EORTC Gynecological Cancer Cooperative Group, Acta Oncol 1989; **28:** 663
Neil JJ: validation of freely diffusible tracer methods with NMR detection for measurement of blood flow, Magn Res Med 1991; **19:** 299
Neiman HL: transvaginal ultrasound-embryography, Semin US CT MR 1990; **11:** 22
Neiman RS See **Sheahan K**
Neirynck EC See **Stadnik TW**
Nelems B See **Bilbey JH**
Nelems B See **Flores AD**
Nelems B See **Forster BB**
Nelems B See **Fradet G**
Nelems B See **Munk PL**
Nelms BA See **Conrad MR**
Nelson BD See **Rose SC**
Nelson CL See **Pritchard RS**
Nelson CW; Wilson RA; Angello DA; et al: effect of thallium-201 blood levels on reversible myocardial defects, J Nucl Med 1989; **30:** 1172
Nelson D Jr: soft tissue tumors. 2d ed, Radiology 1989; **172:** 776
Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD: MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, JMRI 1991; **1:** 469
Nelson DR; Yuh WTC; Wen B-C; et al: cerebral necrosis simulating an intraparenchymal tumor, AJNR 1990; **11:** 211
Nelson DW: aging and clinical practice: musculoskeletal disorders, Radiology 1989; **170:** 494
Nelson DW; DiPaola J; Colville M; et al: osteochondritis dissecans of the talus and knee: prospective comparison of MR and arthroscopic classifications, JCAT 1990; **14:** 804
Nelson DW; Duwelius PJ: CT-guided fixation of sacral fractures and sacroiliac joint disruptions, Radiology 1991; **180:** 527
Nelson HS Jr See **Niethammer JG**
Nelson JA See **Baron RL**
Nelson JA See **Goldman ML**
Nelson JA See **Schmiedl UP**
Nelson JA: turf and technology, Radiology 1991; **178:** 888
Nelson JA; Schmiedl U; Shankland EG: metalloporphyrins as tumor-seeking MRI contrast media and as potential selective treatment sensitizers, Invest Radiol 1990; **25:** S71
Nelson JS See **Laramore GE**
Nelson KL See **Runge VM**
Nelson M: versatile, steerable, flow-guided catheter for delivery of detachable balloons, AJNR 1990; **11:** 657
Nelson M; Diebler C; Forbes WSC: paediatric medulloblastoma: atypical CT features at presentation in the SIOP II trial, Neuroradiol 1991; **33:** 140
Nelson MC See **Archer AG**
Nelson MC See **Baum PA**
Nelson MC See **Glass-Royal MC**
Nelson MC See **Hallisey MJ**
Nelson MC; Stull MA; Lack EE; et al: case report 600, Skeletal Radiol 1990; **19:** 150
Nelson MC; Stull MA; Teitelbaum GP; et al: magnetic resonance imaging of peripheral soft tissue hemangiomas, Skeletal Radiol 1990; **19:** 477
Nelson MC; Teitelbaum GP; Matsumoto AH; et al: isolated popliteal vein entrapment, Cardiovasc Intervent Radiol 1989; **12:** 301
Nelson MD Jr See **Wood BP**
Nelson MD Jr; Gonzalez-Gomez I; Gilles FH: search of human telencephalic ventriculofugal arteries, AJNR 1991; **12:** 215
Nelson MD Jr; Sedler JA; Gilles FH: spinal cord central echo complex: histoanatomic correlation, Radiology 1989; **170:** 479
Nelson NL See **Kaplan PA**
Nelson PE; Moyer TP; Thistle JL: gallstone dissolution in vitro using methyl *tert*-butyl ether: radiologic selection criteria, (ab), Radiology 1990; **177:** 595
Nelson R See **Balfe DM**
Nelson RC See **Baumgartner BR**
Nelson RC See **Chezmar JL**
Nelson RC See **Housman JF**
Nelson RC See **Malko JA**
Nelson RC See **Steinberg HV**
Nelson RC See **Sugarbaker PH**
Nelson RC See **Torres WE**
Nelson RC; Chezmar JL: diagnostic approach to hepatic hemangiomas, Radiology 1990; **176:** 11
Nelson RC; Chezmar JL; Murray DR; Bernardino ME: segmental liver anatomy: reply, Radiology 1991; **179:** 585
Nelson RC; Chezmar JL; Newberry LB; et al: manganese dipyridoxyl diphosphate: effect of dose, time, and pulse sequence on hepatic enhancement in rats, Invest Radiol 1991; **26:** 569
Nelson RC; Chezmar JL; Peterson JE; et al: contrast-enhanced CT of the liver and spleen: comparison of ionic and nonionic contrast agents, AJR 1989; **153:** 973
Nelson RC; Chezmar JL; Sugarbaker PH; Bernardino ME: hepatic tumors: comparison of CT during arterial portography, delayed CT, and MR imaging for preoperative evaluation, Radiology 1989; **172:** 27
Nelson RC; Chezmar JL; Sugarbaker PH; Murray DR; Bernardino ME: preoperative localization of focal liver lesions to specific liver segments: utility of CT during arterial portography, Radiology 1990; **176:** 89
Nelson RC; Moyers JH; Chezmar JL; Hoel MJ; Jones EC; Peterson JE; Cork RD; Bernardino ME: hepatic dynamic sequential CT: section enhancement profiles with a bolus ofionic and nonionic contrast agents, Radiology 1991; **178:** 499
Nelson RC; Rowland GA; Torres WE; et al: gallstone extracorporeal shock-wave lithotripsy: time and treatment considerations, AJR 1990; **154:** 291
Nelson RP; Lue TF: determination of erectile penile volume by ultrasonography, (ab), Radiology 1989; **173:** 588
Nelson SJ See **Atkins HL**
Nelson SJ See **Vigneron DB**
Nelson T See **André M**
Nelson TR: fractals: physiologic complexity, scaling, and opportunities for imaging, Invest Radiol 1990; **25:** 1140
Nelson TR; Pretorius DH: device for the calibration of flow-velocity-measuring Doppler ultrasound equipment, J Ultrasound Med 1990; **9:** 575

Nemcek AA Jr See **Benya EC**
Nemcek AA Jr See **Gore RM**
Nemcek AA Jr See **Lukancic SP**
Nemcek AA Jr See **McCarthy WJ**
Nemcek AA Jr See **Mattrey RF**
Nemcek AA Jr See **Timins ME**
Nemcek AA Jr: CT of acute gastrointestinal disorders, Radiol Clin North Am 1989; **27:** 773
Nemcek AA Jr; Fisher MR; Leschorn E; et al: mixed sex-cord stromal tumor of the testis: evaluation by ultrasonography and magnetic resonance imaging, Urol Radiol 1989; **11:** 186
Nemcek AA Jr; Miller FH; Fitzgerald SW: acute torsion of a wandering spleen: diagnosis by CT and duplex Doppler and color flow sonography, AJR 1991; **157:** 307
Nemoto Y; Inoue Y; Fukuda T; et al: displacement of the quadrigeminal plate in tumors of the fourth ventricle: MR appearance, JCAT 1989; **13:** 769
Neoptolemos JP See **London NJM**
Nepola JV See **Garneau RA**
Nepola JV See **Seabold JE**
Nepper-Rasmussen J: CT of dens axis fractures, Neuroradiol 1989; **31:** 104
Nepper-Rasmussen J; Mosekilde L: local differences in mineral content in vertebral trabecular bone measured by dual-energy computed tomography, Acta Radiol 1989; **30:** 369
Nerdrum H-J See **Dugal B**
Nerin J See **Prats E**
Nerlinger RE See **Waterman FM**
Nerubai J See **Graif M**
Nesbit GM; Forbes GS; Scheithauer BW; Okazaki H; Rodriguez M: multiple sclerosis: histopathologic and MR and/or CT correlation in 37 cases at biopsy and three cases at autopsy, Radiology 1991; **180:** 467
Nesbit GM; Miller GM; Baker HL Jr; Ebersold MJ; Scheithauer BW: spinal cord sarcoidosis: a new finding at MR imaging with Gd-DTPA enhancement, Radiology 1989; **173:** 839
Nesland JM See **Fossa SD**
Nessi R See **De Flaviis L**
Nessi R; Betti R; Bencini PL; et al: ultrasonography of nodular and infiltrative lesions of the skin and subcutaneous tissues, JCU 1990; **18:** 103
Nessi R; Ricci PB; Ricci SB; et al: bronchial carcinoid tumors: radiologic observations in 49 cases, J Thorac Imag 1991; **6-2:** 47
Nesto RW See **Van Dam J**
Nethersell ABW See **Adams GE**
Nethersell ABW See **Honess DJ**
Netto GJ See **Urschel HC Jr**
Neu CR See **Hillman BJ**
Neubauer J See **Hawliczek R**
Neuenschwander S See **Ben Romdhane H**
Neuenschwander S See **Vanthournout I**
Neuerburg JM; Bohndorf K; Sohn M; Teufl F; Günther RW; Daus HJ: urinary bladder neoplasms: evaluation with contrast-enhanced MR imaging, Radiology 1989; **172:** 739
Neuerburg JM; Daus HJ; Recker F; et al: effects of lithotripsy on rat kidney: evaluation with MR imaging, histology, and electron microscopy, JCAT 1989; **13:** 82
Neuerburg JM; Günther RW: percutaneous biopsy of pancreatic lesions, Cardiovasc Intervent Radiol 1991; **14:** 43
Neuhauser D See **Gazelle GS**
Neuhold A See **Fezoulidis I**
Neuhold A See **Fruehwald FXJ**
Neuman MJ See **Patel DV**
Neuman R See **Hughes KS**
Neuman-Levin M See **Gutman H**
Neumann CH See **Farley TE**
Neumann CH See **Steinbach LS**
Neumann CH See **Weber WN**
Neumann DR See **Wiener SN**
Neumann RD See **Heinle A**
Neumyer MM See **Atnip RG**
Neumyer MM See **Healy DA**
Neumyer MM See **Serena TE**
Neuringer LJ See **Zur Y**
Neutze J See **Norby EH**
Neuveut P See **Padovani B**
Nevelsteen AA See **Wilms GE**
Neville E-S See **Berger H**
Neville RF; Hobson RW II; Jamil Z; et al: intravascular ultrasonography: validation studies and preliminary intraoperative observations, (ab), Radiology 1991; **180:** 591
Neville RF Jr; Yasuhara H; Watanabe BI; et al: endovascular management of arterial intimal defects: an experimental comparison by arteriography, angioscopy, and intravascular ultrasonography, (ab), Radiology 1991; **181:** 294
New PZ See **Bazan C III**
Newall J See **Dattoli MJ**
Newall J See **Rush SC**
Newberg AH: computed tomography of joint injuries, Radiol Clin North Am 1990; **28:** 445
Newberry LB See **Nelson RC**
Newbold R; Safrit H; Cooper C: surgical lateral ovarian transposition: CT appearance, AJR 1990; **154:** 119
Newell DR See **Maxwell RJ**
Newell JD See **Ablin DS**
Newell JD II See **Hart BL**
Newell JD II See **Rak KM**
Newell K See **Dobrowsky E**
Newhouse JH See **Dunnick NR**
Newhouse JH See **Halpern EJ**
Newhouse JH See **Zimmermann K**
Newhouse JH: clinical use of urinary tract magnetic resonance imaging, Radiol Clin North Am 1991; **29:** 455
Newhouse JH: MRI of the adrenal gland, Urol Radiol 1990; **12:** 1
Newman B See **Bowen A**
Newman B See **Keslar P**
Newman B See **Wood BP**
Newman B; Davis PL: sonographic and magnetic resonance imaging of an anterior diaphragmatic hernia, Pediatr Radiol 1989; **20:** 110
Newman B; Girdany BR: gastric trichobezoars–sonographic and computed tomographic appearance, Pediatr Radiol 1990; **20:** 526
Newman B; Yunis E: primary alveolar capillary dysplasia, Pediatr Radiol 1990; **21:** 20
Newman DE See **Silverthorn KG**
Newman GE See **Chiles C**
Newman GE See **Dunnick NR**
Newman GE See **McCann RL**
Newman GE See **Rose SC**
Newman GE See **Roubidoux MA**
Newman GE See **Sherrier RH**
Newman GE: pulmonary angiography in pulmonary embolic disease, J Thorac Imag 1989; **4-4:** 28
Newman GE: pulmonary thromboembolism: a historical perspective, J Thorac Imag 1989; **4-4:** 1
Newman HFV See **Bleehen NM**
Newman HFV See **Maughan TS**
Newman JH See **Wheeler AP**
Newman KD See **Sivit CJ**
Newman LM See **Goldberg BB**
Newman LM See **Wechsler RJ**
Newman M See **Grant T**
Newman R See **Chung KJ**
Newnan DM See **Garland SM**
Newton DR; Dillon WP; Norman D; et al: Gd-DTPA–enhanced MR imaging of pituitary adenomas, AJNR 1989; **10:** 949
Newton GB See **Kvilekval KHV**
Newton JEO See **Komoroski RA**
Newton RC See **Calhoun KH**
Newton TH See **Barkovich AJ**
Newton TH See **Dillon WP**
Newton TH See **Lee SR**
Newton TH See **Norman D**
Newton TH See **Tien RD**
Ney DR See **Fishman EK**
Ney DR See **Gerber JD**
Ney DR See **Magid D**
Ney DR; Fishman EK; Magid D; Kuhlman JE: interactive real-time multiplanar CT imaging, Radiology 1989; **170:** 275
Ney DR; Kuhlman JE; Hruban RH; et al: three-dimensional CT-volumetric reconstruction and display of the bronchial tree, Invest Radiol 1990; **25:** 736
Neylan J See **Bernardino M**
Neylan JF See **Fernandez MdP**
Ng C; Amis ES Jr: radiology of continent urinary diversion, Radiol Clin North Am 1991; **29:** 557
Ng CC See **Roshkow JE**
Ng CK See **DeGrado TR**
Ng SH See **Lee AWM**
Ng SH See **Wan YL**
Ng S-H; Tang L-M; Wai Y-Y; et al: primary myxoma of the cranium: CT findings, JCAT 1989; **13:** 903
Ng TC See **Majors AW**
Ng TC See **Sijens PE**
Ng TC See **Vijayakumar S**
Ng TC See **Xue M**
Ng TC; Grundfest SF; Vijayakumar S; et al: therapeutic response of breast carcinoma monitored by ^{31}P MRS *in situ*, Magn Res Med 1989; **10:** 125
Ng TC; Majors AW; Vijayakumar S: measurement of tumor pH with in vivo MR spectroscopy: reply, Radiology 1989; **173:** 573
Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH: human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Radiology 1989; **170:** 875
Ng THK See **Chow W-H**
Ng VK See **Yip CKY**
Ng YY; Bellman S; Phelps PD: computed tomography of earpits-deafness syndrome, Br J Radiol 1989; **62:** 947
Ng YY; Finn JP; Hall-Craggs MA: inferior right hepatic veins: MR assessment of prevalence and potential clinical significance in children, Pediatr Radiol 1990; **20:** 605
Ng YY; Hall-Craggs MA; Dicks-Mireaux C; et al: Wilms' tumour: pre- and post-chemotherapy CT appearances, Clin Radiol 1991; **43:** 255
Ng YY; Khaw KT; Halpin S; et al: comparative study to evaluate the role of intra-articular adrenaline in double-contrast knee arthrography, Clin Radiol 1989; **40:** 598
Ngai RLC See **Lee JPK**
Ngan B See **Samuels TH**
Ngan H: lipiodol computerized tomography: how sensitive and specific is the technique in the diagnosis of hepatocellular carcinoma?, Br J Radiol 1990; **63:** 771
Ngan JHK; Fok PJ; Lai ECS; et al: prospective study on fish bone ingestion: experience of 358 patients, (ab), Radiology 1990; **177:** 594
Ngan S; Ball D; Bull C; et al: limited small cell lung cancer: the effect of radiotherapy on local control following response to chemotherapy, Int J Radiat Oncol Biol Phys 1991; **21:** 459
Nghiem DD See **Yuh WTC**
Nghiem HT; Kellman GM; Sandberg SA; Craig BM: cystic lesions of the prostate, Radiographics 1990; **10:** 635
Nghiem HV; Ellis BI; Haggar AM; et al: juxta-articular large cell lymphoma, Skeletal Radiol 1990; **19:** 353
Ngo C See **Verma RC**
Ngo C; Wong L; Yaghmai I: unusual sonographic appearance of a perforated appendiceal abscess, Pediatr Radiol 1989; **19:** 335
Ngo FQH See **Belfi CA**
Nguyen C See **Sether LA**
Nguyen CM See **Haughton VM**
Nguyen CM See **Palmer DW**
Nguyen CM; Haughton VM; Ho K-C: effect of repeated injections of chymopapain in the epidural space, Radiology 1990; **174:** 417
Nguyen CM; Haughton VM; Ho K-C; et al: model for studying intervertebral disc degeneration with magnetic resonance and a nucleotome, Invest Radiol 1989; **24:** 407
Nguyen CM; Ho K-C; Haughton VM: effect of lidocaine on the meninges in an experimental animal model, Invest Radiol 1991; **26:** 745
Nguyen CM; Ho K-C; Yu S; et al: experimental model to study contrast enhancement in MR imaging of the intervertebral disk, AJNR 1989; **10:** 811
Nguyen DM; Mulder DS; Shennib H: altered cellular immune function in the atelectatic lung, (ab), Radiology 1991; **181:** 612
Nguyen JP; Djindjian M; Brugieres P; et al: anatomy-computerized tomography correlations in transtentorial brain herniation, J Neuroradiol 1989; **16:** 181
Nguyen KD See **Nguyen VD**
Nguyen KT; Downey M; Gutelius J: unusual case of horseshoe kidney: CT appearance, J Canad Assoc Radiol 1989; **40:** 320
Nguyen KT; Pace R; Groll A: CT appearance of annular pancreas: a case report, J Canad Assoc Radiol 1989; **40:** 322
Nguyen KT; Pace R; Ludwin S; et al: plexiform neurofibroma: report of an unusual presentation, J Canad Assoc Radiol 1990; **41:** 103
Nguyen PL See **Kopans DB**
Nguyen TD See **Malissard L**
Nguyen TD See **Panis X**
Nguyen VD See **Ghiatas AA**
Nguyen VD See **Horowitz DR**
Nguyen VD: rare cause of splenic infarct and fleeting pulmonary infiltrates: polyarteritis nodosa, Comput Med Imag Graph 1991; **15:** 61
Nguyen VD; Keh RA; Daehler RW: Freiberg's disease in diabetes mellitus, Skeletal Radiol 1991; **20:** 425
Nguyen VD; Matthes JD; Wunderlich CC: pelvic digit: CT correlation and review of the literature, Comput Med Imag Graph 1990; **14:** 127
Nguyen VD; Nguyen KD: "idiopathic destructive arthritis" of the shoulder: a still fascinating enigma, Comput Med Imag Graph 1990; **14:** 249
Nguyen-tan T See **Dao TH**
Nias AHW See **McCormack M**
Nias AHW; Perry PM: variation of tumour radiosensitivity with time after anaesthetic, Br J Radiol 1989; **62:** 932
Nibu K See **Kitamura K**
Niccoli A See **Panos RJ**
Nichol KL See **Lederle FA**
Nicholas D See **Wade JP**
Nicholas GG See **Castaldo JE**
Nicholls SC See **Healy DA**
Nichols RD II See **Flickinger FW**
Nichols ST See **Mitchell DK**
Nichols ST See **Smith MR**
Nicholson AA; Hayward C: value of computed tomography in the diagnosis of amiodarone-induced pulmonary toxicity, Clin Radiol 1989; **40:** 564

Nicholson D: pulmonary embolism: an internist's perspective, J Thorac Imag 1989; **4-4:** 20
Nicholson DA: contrast media in sialography: a comparison of lipiodol ultra fluid and Urografin 290, Clin Radiol 1990; **42:** 423
Nicholson DA: unusual presentation of non-Hodgkin's lymphoma of the small bowel, Br J Radiol 1990; **63:** 814
Nicholson DA; Gupta SC: case report: congenital mesoblastic nephroma occurring in a solitary kidney, Clin Radiol 1990; **41:** 211
Nicholson DA; Zammit-Maempel I; Hughes M; et al: influence of type of tube and experience of the operator on performance of small bowel enema, Br J Radiol 1989; **62:** 447
Nicholson RL; Manglal-Lan B; Wilkins K: reverse oblique reconstruction for SPECT of the spine, Clin Nucl Med 1991; **16:** 478
Nicholson S See **Cameron A**
Nicholson S See **Fraser WD**
Nicholson SF See **Wiseman DA**
Nicita G See **Stefani P**
Nickel JC See **Place C**
Nickels J See **Brander A**
Nickodem A See **Bonfils-Roberts EA**
Nicolai A See **Lazzarino LG**
Nicolai P; Luzzago F; Maroldi R; et al: nasopharyngeal cysts: report of seven cases with review of the literature, (ab), Radiology 1990; **174:** 903
Nicolaides KH See **Thorpe-Beeston JG**
Nicolaidis P; Nicolini U; Fisk NM; et al: fetal blood sampling from the intrahepatic vein for rapid karyotyping in the second and third trimesters, Br J Radiol 1991; **64:** 505
Nicoli FA See **Marani SAD**
Nicolini U See **Nicolaidis P**
Nicoloff D See **Tadavarthy AK**
Nicosia SV See **Brown HK**
Niederle B See **Jantsch H**
Nield JM See **Hamilton CS**
Nielsen FF; de Carvalho A: dependence of ankle joint width on plantar flexion, Acta Radiol 1989; **30:** 554
Nielsen FF; Helmig O; de Carvalho A: case report 533, Skeletal Radiol 1989; **18:** 153
Nielsen H See **Jensen KE**
Nielsen KV; Blichert-Toft M; Andersen J: chromosome analysis of in situ breast cancer, Acta Oncol 1989; **28:** 919
Nielsen L See **Holm HH**
Nielsen L See **Nolsøe CP**
Nielsen MB: defaecography commode with ruler mounted on the side: reference point for measurements of perineal descent, Br J Radiol 1991; **64:** 160
Nielsen OS See **Lindegaard JC**
Nielsen PH See **Hansen AK**
Nielsen PH; Jepsen SB; Olsen AD: postoperative pleural effusion following upper abdominal surgery, (ab), Radiology 1990; **175:** 883
Nielsen S See **Quistorff B**
Nielsen SL See **Hvid-Jacobsen K**
Nielsen SL See **Thomsen HS**
Nielsen TH; Iversen HK; Tfelt-Hansen P: determination of the luminal diameter of the radial artery in man by high frequency ultrasound: a methodological study, Ultrasound Med Biol 1990; **16:** 787
Nielsen VAH; Iversen E; Ahlgren P: postoperative discitis: radiology of progress and healing, Acta Radiol 1990; **31:** 559
Nielsen V-AH; Pødenphant J; Martens S; et al: precision in assessment of osteoporosis from spine radiographs, Eur J Radiol 1991; **13:** 11
Nielson DW; Heldt GP; Tooley WH: stridor and gastroesophageal reflux in infants, (ab), Radiology 1990; **177:** 895
Nieman L See **De Souza B**
Nieman L See **Pass HI**
Nieman LK See **Doppman JL**
Nieman LK See **Miller DL**
Nieman LK See **Perry RR**
Niemi P; Katevuo K; Kormano M; et al: superparamagnetic particles as gastrointestinal contrast agent in magnetic resonance imaging of lower abdomen, Acta Radiol 1990; **31:** 409
Niemi P; Paajanen H; Kormano M; et al: MR imaging of experimental intramuscular hemorrhage at 0.02 T: contrast enhancement with Gd-DOTA, Acta Radiol 1990; **31:** 455
Nieminen U See **Syrjälä MT**
Nienaber CA See **Brunken RC**
Niendorf HP; Antoni D; Dinger JC: influence of sodium on electrocardiography during coronary angiography in humans with iopromide, Invest Radiol 1990; **25:** S146
Niendorf HP; Dinger JC; Haustein J; et al: tolerance data of Gd-DTPA: a review, Eur J Radiol 1991; **13:** 15
Nierhaus A See **Brassel F**
Niesman MR See **Bacic G**
Niesman MR See **Magin RL**
Niesman MR; Bacic GG; Wright SM; et al: liposome encapsulated $MnCl_2$ as a liver specific contrast agent for magnetic resonance imaging, Invest Radiol 1990; **25:** 545
Niethammer JG; Gould HR; Nelson HS Jr: anorectal actinomycosis: CT evaluation, JCAT 1990; **14:** 838
Nieto J See **Enriquez G**
Nieves A See **Naidich TP**
Nieves AS See **Handy JE**
Niggemeyer E See **Ringelstein EB**
Nightingale JMD; Bartram CI; Lennard-Jones JE: length of residual small bowel after partial resection: correlation between radiographic and surgical measurements, Gastrointest Radiol 1991; **16:** 305
Nigogosyan M; Dolinskas C: CT demonstration of inflamed Meckel diverticulum, JCAT 1990; **14:** 140
Nigrisoli M See **Pignatti G**
Nihil MR See **Ali Khan MA**
Nihill M See **Pan G**
Niiranen A; Holsti LR; Cantell K; et al: natural interferon-alpha alone and in combination with conventional therapies in non-small cell lung cancer: a pilot study, Acta Oncol 1990; **29:** 927
Niiranen A; Holsti P; Salmo M: treatment of small cell lung cancer: two-drug versus four-drug chemotherapy and loco-regional irradiation with or without prophylactic cranial irradiation, Acta Oncol 1989; **28:** 501
Niitsu M; Akisada M; Anno I; Miyakawa S: moving knee joint: technique for kinematic MR imaging, Radiology 1990; **174:** 569
Niitsu M; Anno I; Fukubayashi T; Shimojo H; Kuno S-y; Akisada M: tears of cruciate ligaments and menisci: evaluation with cine MR imaging, Radiology 1991; **178:** 859
Niizawa M; Itoh M; Mukojima T; et al: sonographic features of von Meyenburg's complexes, JCU 1991; **19:** 288
Nijensohn E; Russell EJ; Milan M; et al: calcified synovial cyst of the cervical spine: CT and MR evaluation, JCAT 1990; **14:** 473
Nijhawan S See **Aggarwal S**
Nijman JM See **Bosman G**
Nijman RJM; Ackaert K; Scholtmeijer RJ; et al: long-term results of extracorporeal shock wave lithotripsy in children, (ab), Radiology 1990; **174:** 296
Nijs HGT See **Brakel K**
Nijs HGT See **Laméris JS**
Niki T See **Minami M**
Nikkanen V See **Kellokumpu-Lehtinen P**
Nikkanen V; Liippo K; Ojala A; et al: vincristine, doxorubicin and cyclophosphamide with and without etoposide in limited small cell lung cancer, Acta Oncol 1990; **29:** 421
Niklasson J See **Jonsson K**
Nikpoor N See **Lee J-H**
Nilakhe V See **Williams CR**
Nilges E See **Choyke PL**
Nilges MJ See **Bačić G**
Nili M; Deviri E; Jortner R; et al: surgical removal of a mobile, pedunculated left ventricular thrombus: report of 4 cases, (ab), Radiology 1989; **172:** 293
Nilsen G See **Aasly J**
Nilsen G See **Rinck PA**
Nilsson A See **Bierke P**
Nilsson B See **Eksborg S**
Nilsson B See **Larson B**
Nilsson B See **Rotstein S**
Nilsson B See **Ryberg M**
Nilsson B; Sorcini B: surface dose measurements in clinical photon beams, Acta Oncol 1989; **28:** 537
Nilsson E See **Bolon S**
Nilsson H See **Holtås S**
Nilsson H See **Larsson E-M**
Nilsson I; Lindholm C-E; Landberg T; et al: radical radiotherapy in prostatic carcinoma, Acta Oncol 1989; **28:** 261
Nilsson J See **Johansson T**
Nilsson J; Johansson T; Holmer N-G; et al: ink jet color printing of digital medical images, Acta Radiol 1990; **31:** 414
Nilsson O See **Åhlund L**
Nilsson O See **Larsson E-M**
Nilsson P See **Svahn-Tapper G**
Nilsson PE; Aspelin P: demonstration of splenic and portal veins at routine celiac angiography: a clinical investigation of metrizoate and ioxaglate, Acta Radiol 1989; **30:** 49
Nilsson R See **Stejskal V**
Nilsson S See **Nordgren H**
Nilsson S See **Waldenstrom U**
Nilsson S; Berglund I; Christoffersson A; et al: arterial segmental vasoconstriction in hypercholesterolaemic patients, Acta Radiol 1990; **31:** 333
Nilsson S; Berglund I; Erikson U; et al: atherosclerosis-related measures in digitized femoral arteriograms, Acta Radiol 1991; **32:** 24
Nilsson S; Erikson U: changes in atheroma volume estimated from digitized femoral arteriograms, Acta Radiol 1990; **31:** 249
Nilsson S; Nordgren H; Eklöv S; et al: expression of Ki-67—a proliferation-associated antigen—in prostatic cancer, Acta Oncol 1991; **30:** 177
Nilsson TEG See **Mahmoud AH**
Nimkin K; Griscom NT: pediatric case of the day, Radiographics 1991; **11:** 338
Nimkin K; Oates E: gallium-67 lung uptake in extrinsic hypersensitivity pneumonitis, Clin Nucl Med 1989; **14:** 451
Nimmon CC See **Knowles JF**
Nimrod C See **Cameron A**
Nimrod C See **Fraser WD**
Nimrod C; Clapp J III; Larrow R; et al: simultaneous use of Doppler ultrasound and electromagnetic flow probes in fetal flow assessment, J Ultrasound Med 1989; **8:** 201
Nimura Y See **Kubota H**
Ninane J See **Goddart D**
Ninomiya S See **Kokubo T**
Nino-Murcia M See **Chang PJ**
Nino-Murcia M See **Rubin DL**
Nino-Murcia M See **Segall GM**
Nino-Murcia M See **Stevens SK**
Nino-Murcia M; Burton D; Chang PJ; et al: gallbladder contractility in patients with spinal cord injuries: a sonographic investigation, AJR 1990; **154:** 521
Nino-Murcia M; Kosek J: leiomyoma of the testis: sonographic and pathologic findings, J Canad Assoc Radiol 1989; **40:** 178
Nino-Murcia M; Stone JM; Chang PJ; et al: colonic transit in spinal cord-injured patients, Invest Radiol 1990; **25:** 109
Niola R See **Iaccarino V**
Niparko JK See **Nazarian GK**
Niroomand-Rad A: physical aspects of total body irradiation of bone marrow transplant patients using 18 MV X rays, Int J Radiat Oncol Biol Phys 1991; **20:** 605
Nisbet AP; Shaw P; Taube D; et al: ^{51}Cr-EDTA/$^{99}Tc^{m}$-MDP ratio: a simple non-invasive method for assessing renal osteodystrophy, Br J Radiol 1989; **62:** 438
Nischelsky J See **Prokop M**
Nisenbaum HL See **Lehrman BJ**
Nishi S See **Nakahara I**
Nishida J See **Tajima K**
Nishida T See **Ueda J**
Nishida T; Okuda A: case report: diagnosis of cavo-portal shunt in inferior vena cava obstruction: comparison between venography and dynamic scintigraphy, Clin Radiol 1991; **43:** 274
Nishidai T See **Nagata Y**
Nishidai T See **Sasai K**
Nishidai T; Nagata Y; Takahashi M; et al: CT simulator: a new 3-D planning and simulating system for radiotherapy: part I. description of system, Int J Radiat Oncol Biol Phys 1990; **18:** 499
Nishiguchi I; Willingham V; Milas L: tumor necrosis factor as an adjunct to fractionated radiotherapy in the treatment of murine tumors, Int J Radiat Oncol Biol Phys 1990; **18:** 555
Nishikawa T See **Sagoh T**
Nishimaki S; Yoda H; Seki K; et al: case of Dandy-Walker malformation associated with occipital meningocele, microphthalamia, and cleft palate, Pediatr Radiol 1990; **20:** 608
Nishimine K See **Kichikawa K**
Nishimoto A See **Asari S**
Nishimoto K See **Ino T**
Nishimoto S-I See **Kagiya T**
Nishimoto S-i See **Sasai K**
Nishimoto S-I See **Shibamoto Y**
Nishimura D See **Conolly S**
Nishimura D See **Jackson J**
Nishimura DG See **Wang SJ**
Nishimura DG See **Wright GA**
Nishimura DG: time-of-flight MR angiography, Magn Res Med 1990; **14:** 194
Nishimura G; Kozlowski K: Proteus syndrome (report of three cases), Australas Radiol 1990; **34:** 47
Nishimura H See **Abe T**
Nishimura K See **Aoki S**
Nishimura K See **Okada Y**
Nishimura K See **Sagoh T**
Nishimura K See **Togashi K**
Nishimura K See **Tsuda Y**
Nishimura RA; Edwards WD; Warnes CA; et al: intravascular ultrasound imaging: in vitro validation and pathologic correlation, (ab), JVIR 1991; **2:** 291
Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr: intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Radiology 1990; **176:** 523
Nishimura T See **Hayashida K**
Nishimura T See **Imakita S**
Nishimura T See **Yamada N**
Nishimura T; Hamada S; Hayashida K; et al: cardiac blood-pool scintigraphy using technetium-99m DTPA-HSA: comparison with in vivo technetium-99m RBC labeling, J Nucl Med 1989; **30:** 1713

Nishimura T; Kobayashi H; Ohara Y; et al: serial assessment of myocardial infarction by using gated MR imaging and Gd-DTPA, AJR 1989; **153:** 715
Nishimura T; Nagata S; Uehara T; et al: assessment of myocardial damage in dilated-phase hypertrophic cardiomyopathy by using indium-111-antimyosin Fab myocardial scintigraphy, J Nucl Med 1991; **32:** 1333
Nishimura T; Yamada N; Itoh A; et al: cine MR imaging in mitral regurgitation: comparison with color Doppler flow imaging, AJR 1989; **153:** 721
Nishimura Y See **Yamada N**
Nishino T See **Ishida T**
Nishio S; Fujiwara S; Aiko Y; et al: hypothalamic hamartoma: report of two cases, (ab), Radiology 1990; **174:** 589
Nishishita S See **Imai S**
Nishizaki T See **Fujii M**
Nishizawa K; Maruyama T; Takayama M; et al: determinations of organ doses and effective dose equivalents from computed tomographic examination, Br J Radiol 1991; **64:** 20
Nishizawa K; Okunieff P; Elmaleh D; et al: blood flow of human soft tissue sarcomas measured by thallium-201 scanning: prediction of tumor response to radiation, Int J Radiat Oncol Biol Phys 1991; **20:** 593
Nishizawa S See **Miki Y**
Nishizawa S See **Yonekura Y**
Nishizawa S; Higa T; Kuroda Y; et al: increased accumulation of N-isopropyl-(I-123)p-iodoamphetamine in bronchial carcinoid tumor, J Nucl Med 1990; **31:** 240
Nishizawa S; Tanada S; Yonekura Y; et al: regional dynamics of N-isopropyl-(^{123}I)p-iodoamphetamine in human brain, J Nucl Med 1989; **30:** 150
Nissen H; Jacobsen JP; Hørder M: assessment of the NMR visibility of intraerythrocytic sodium by flame photometric and ion-competitive studies, Magn Res Med 1989; **10:** 388
Nissen NI See **Friche E**
Nissen-Meyer R See **Kjellgren K**
Nissen-Meyer R; Høst H; Kjellgren K: prolonged adjuvant chemotherapy in breast cancer: the Scandinavian Adjuvant Chemotherapy Study 2, Acta Oncol 1989; **28:** 903
Nitschke R See **Wilson DA**
Nitta H; Tachibana O; Hayashi Y; et al: unusually large calcified brain abscess: CT findings, JCAT 1990; **14:** 485
Nitz WR See **Wendt RE III**
Nitzan DW; Marmary Y; Fields SI; et al: diagnostic value of computed tomography in temporomandibular joint synovial chondromatosis, Comput Med Imag Graph 1991; **15:** 53
Niwa J; Kubota T; Okuyama T; et al: large-sized brain metastasis of lung cancer without perifocal edema: case report, Comput Med Imag Graph 1991; **15:** 121
Nix ML See **Barnes RW**
Nixon J; Birchall IW]; Virjee J: role of dacryocystography in the management of patients with epiphora, Br J Radiol 1990; **63:** 337
Nixon JR; Houser OW; Gomez MR; Okazaki H: cerebral tuberous sclerosis: MR imaging, Radiology 1989; **170:** 869
Nixon MS See **Kawashima A**
Njemanze PC; Beck OJ: MR-gated intracranial CSF dynamics: evaluation of CSF pulsatile flow, AJNR 1989; **10:** 77
Nobel M See **Bar-Ziv J**
Nobin A; Lindblom A; Månsson B; et al: interferon treatment in patients with malignant carcinoids, Acta Oncol 1989; **28:** 445
Nobin A; Månsson B; Lunderquist A: evaluation of temporary liver dearterialization and embolization in patients with metastatic carcinoid tumour, Acta Oncol 1989; **28:** 419
Nobles G See **Santolaya J**
Nóbrega J: esophageal balloon dilatation: a follow-up study in 74 patients, Cardiovasc Intervent Radiol 1989; **12:** 255
Nobrega J; Halvorsen RA; Letourneau JG; et al: cystic central necrosis of transplanted pancreas, Gastrointest Radiol 1990; **15:** 202
Nocks BN See **Papanicolaou N**
Noda M See **Katsumata Y**
Noda M See **Maehara T**
Noda M See **Otake S**
Nodine C See **Thickman D**
Nodine CF See **Kundel HL**
Noël J See **Frocrain L**
Noel P See **Denays R**
Noeldge G See **Becker GJ**
Noeldge G See **Palmaz JC**
Noeldge G See **Rees CR**
Noeldge G See **Richter GM**
Nofal M See **Hanson GP**
Nofal M; Durosinmi-Etti F; Hanson GP; et al: supporting cancer care in the developing countries: role of IAEA/WHO, Int J Radiat Oncol Biol Phys 1990; **19:** 1249
Nogami K See **Fujiwara S**
Noguchi A See **Luisiri A**
Noguchi K See **Yamauchi K**
Noguchi M See **Takayasu K**
Noguchi S See **Ohnishi T**
Noh KS See **Johnson ND**
Nokes SR; Vogler JB; Spritzer CE; Martinez S; Herfkens RJ: herniation pits of the femoral neck: appearance at MR imaging, Radiology 1989; **172:** 231
Nolan DJ See **Dehn TCB**
Nolan DJ See **Garrett JP**
Nolan DJ See **Maglinte DDT**
Nolan DJ See **Massoud TF**
Nolan DJ See **Price J**
Nolan J See **Cobb LM**
Nolan J See **Vade A**
Nolan R See **Bourgeois DJ**
Nolan R; Ling F; Langlotz H; et al: cephalothoracopagus janiceps disymmetros twinning, J Ultrasound Med 1990; **9:** 593
Nolan RL See **Place C**
Noll L See **Coleman CN**
Nolsøe C See **Karstrup S**
Nolsoe C See **Legarth J**
Nolsøe C See **Lorentzen T**
Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH: aortic wall: an in vitro study of the double-line pattern in high-resolution US, Radiology 1990; **175:** 387
Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH: double-line pattern of vessel walls at high-frequency US: reply, Radiology 1991; **179:** 879
Nolsøe CP; Nielsen L; Karstrup S; et al: ultrasonically guided subclavian vein catheterization, Acta Radiol 1989; **30:** 108
Nolsøe CP; Nielsen L; Torp-Pedersen S; et al: major complications and deaths due to interventional ultrasonography: a review of 8000 cases, JCU 1990; **18:** 179
Noma S See **Sagoh T**
Noma S See **Shibata T**
Noma S See **Togashi K**
Noma S; Herman PG; Khan A; et al: sequential morphologic changes of elastase-induced pulmonary emphysema in pig lungs: evaluation by high-resolution computed tomography, Invest Radiol 1991; **26:** 446
Noma S; Khan A; Herman PG; et al: high-resolution computed tomography of the pulmonary parenchyma, Semin US CT MR 1990; **11:** 365
Nommensen B See **Erlemann R**
Nomura Y See **Sakuma H**
Nomura Y; Nagao Y; Fukaya T: anomalies of the middle ear, (ab), Radiology 1989; **170:** 293
Noon GP See **Athanasoulis T**
Noon GP See **Verani MS**
Noon GP See **Zacca NM**
Nooy MA See **Holscher HC**
Norbash AM; DeLong SR: serendipitous diagnosis of hyperthyroidism with Tc-99m bone scan, Clin Nucl Med 1991; **16:** 526
Norbash SG See **Yip YPL**
Norby EH; Neutze J; Van Nostrand D; et al: nasal radioiodine activity: a prospective study of frequency, intensity, and pattern, J Nucl Med 1990; **31:** 52
Norcus G See **Catsikis BD**
Nordby A; Thorstensen K; Halgunset J; et al: effects on the ATP content of cultured cells after radiographic contrast media exposure: evidence for accumulation of contrast media in cultured cells, Acta Radiol 1989; **30:** 541
Nordby A; Tvedt KE; Halgunset J; et al: incorporation of contrast media in cultured cells, Invest Radiol 1989; **24:** 703
Nordell B See **Skog S**
Nordell B See **Thomsen C**
Nordenskjöld B See **Wilking N**
Nordenskjöld B: endocrine therapy of breast cancer: a background, Acta Oncol 1990; **29:** 367
Nordenström B See **Azavedo E**
Nordenström BEW; Kinn A-C; Elbarouni J: electric modification of kidney function: the excretion of radiographic contrast media and adriamycin, Invest Radiol 1991; **26:** 157
Nordgren H See **Nilsson S**
Nordgren H; Nilsson S; Eklöv S; et al: modal DNA values and estramustine-binding protein (EMBP) as prognostic markers in prostatic cancer, Acta Oncol 1991; **30:** 211
Nordman E; Joensuu H; Kellokumpu-Lehtinen P; et al: is it possible to predict the outcome of radiation therapy of head and neck cancer?, Acta Oncol 1990; **29:** 521
Nordrehaug JE; Danielsen R; Vik-Mo H: effects of heart rate on myocardial thallium-201 uptake and clearance, J Nucl Med 1989; **30:** 1972
Nordshus T See **Skaane P**
Nordstrom LA: technical success, clinical success, and patency in laser angioplasty: reply, Radiology 1989; **170:** 577
Nordstrom LA; Castaneda-Zuniga WR; Von Seegern KB: peripheral arterial obstructions: analysis of patency 1 year after laser-assisted transluminal angioplasty, Radiology 1991; **181:** 515
Nordyke RA; Gilbert FI Jr: optimal iodine-131 dose for eliminating hyperthyroidism in Graves' disease, J Nucl Med 1991; **32:** 411
Norell SE See **Gerhardsson M**
Norén L See **Hanson S**
Norenberg M See **Aizpuru RN**
Norheim I See **Öberg K**
Nori D See **Kaufman N**
Nori D See **Peretz T**
Nori D See **Zelefsky MJ**
Nori D; Shupak K; Shiu MH; et al: role of brachytherapy in recurrent extremity sarcoma in patients treated with prior surgery and irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 1229
Norin T See **Kjellgren K**
Norkool P See **Evans AE**
Norlén BJ: survival and mortality in prostatic cancer: a study based on the Swedish cancer register, Acta Oncol 1991; **30:** 141
Norman A See **Abdelwahab IF**
Norman A See **Noto AM**
Norman A See **Rosenberg ZS**
Norman D See **Aoki S**
Norman D See **Barkovich AJ**
Norman D See **Dillon WP**
Norman D See **Jackson DE Jr**
Norman D See **Kucharczyk J**
Norman D See **Lee SR**
Norman D See **Moseley ME**
Norman D See **Newton DR**
Norman D See **Okada Y**
Norman D See **Osborn AG**
Norman D See **Truwit CL**
Norman D See **Tsuruda JS**
Norman D; Newton TH: diagnosis of pituitary microadenomas and adenomas, (ab), Radiology 1989; **173:** 294
Norman RW See **Palmer BW**
Normand G See **Laissy J-P**
Norming U See **Goldman S**
Norming U; Gustafsson O; Nyman CR; et al: digital rectal examination versus transrectal ultrasound in detection of prostate cancer: preliminary results from a study of a randomly selected population, Acta Oncol 1991; **30:** 277
Norming U; Gustafsson O; Nyman CR; et al: fine-needle aspiration biopsy with a new automatic fine-needle gun versus histological core in ultrasonically-guided transrectal biopsy for detection of prostate cancer, Acta Oncol 1991; **30:** 155
Norowitz DG; Morehouse HT: isodense splenic mass: hamartoma, a case report, Comput Med Imag Graph 1989; **13:** 347
Norregaard T See **Buff BL Jr**
Norrgren K See **Ingvar C**
Norris DG: ultrafast low-angle RARE: U-FLARE, Magn Res Med 1991; **17:** 539
Norris DG; Böttcher U; Leibfritz D: simple method of generating variable T_1 contrast images using temporally reordered phase encoding, Magn Res Med 1990; **15:** 483
Norris DG; Haase A: variable excitation angle AFP pulses, Magn Res Med 1989; **9:** 435
Norris MA See **Kaplan PA**
Norris MA; Kaplan PA; Pathria MN; et al: fibrous dysplasia: magnetic resonance imaging appearance at 1.5 tesla, Clin Imag 1990; **14:** 211
Norström A See **Granberg S**
North CA; Lee D-J; Piantadosi S; et al: carcinoma of the major salivary glands treated by surgery or surgery plus postoperative radiotherapy, Int J Radiat Oncol Biol Phys 1990; **18:** 1319
North LB; Libshitz HI; Lorigan JG: thoracic lymphoma, Radiol Clin North Am 1990; **28:** 745
Northington FJ See **Seibert JJ**
Northrup BE See **Flanders AE**
Northup HM See **Sanders TG**
Northway WH See **Baker LL**
Northway WH Jr: bronchopulmonary dysplasia and research in diagnostic radiology, AJR 1991; **156:** 681
Northway WH Jr: research in departments of diagnostic radiology: a question of method limitation, Radiology 1989; **171:** 873
Northway WH Jr; Rosan RC; Shahinian L Jr; et al: radiologic and histologic investigation of pulmonary oxygen toxicity in newborn guinea pigs, Invest Radiol 1990; **25:** 373
Norton JA See **Doppman JL**
Norton JA See **Frucht H**
Norton JA See **London JF**
Norton JA See **Miller DL**
Norton JA; Shawker TH; Doppman JL; et al: localization and surgical treatment of occult insulinomas, (ab), Radiology 1991; **179:** 888

Norton K See **Chitkara U**
Norton KI See **Lamm CI**
Norton KI See **Sica GT**
Norton KI See **Som PM**
Norton KI; Hermann G; Abdelwahab IF; Klein MJ; Granowetter LF; Rabinowitz JG: epiphyseal involvement in osteosarcoma, Radiology 1991; **180:** 813
Norton KI; Mendelson DS; Hodes D; et al: computed tomography findings in the Swyer-James syndrome, Clin Imag 1989; **13:** 48
Norton KI; Shugar JMA; Som PM; et al: sternocleidomastoid tumor of infancy: CT manifestations, JCAT 1991; **15:** 158
Norton LW; Zeligman BE; Pearlman NW: accuracy and cost of needle localization breast biopsy, (ab), Radiology 1989; **171:** 587
Norton S See **Child SZ**
Norton S; Kimler BF; Cytaki EP; et al: prenatal and postnatal consequences in the brain and behavior of rats exposed to ultrasound in utero, J Ultrasound Med 1991; **10:** 69
Norwood H See **Parkin A**
Norwood LA; Barrack R; Jacobson KE: clinical presentation of complete tears of the rotator cuff, (ab), Radiology 1989; **173:** 590
Norwood TJ See **Jayasundar R**
Nose K See **Kato T**
Nose T See **Yanaka K**
Nosel W; Trimble LA; Shen JF; et al: on the use of double-quantum coherence from an AX_3 system (protons in lactate) for spectral editing, Magn Res Med 1989; **11:** 398
Nosher JL See **Amorosa JK**
Nosher JL; Ericksen AS; Trooskin SZ; et al: antibiotic bonded nephrostomy catheters for percutaneous nephrostomies, Cardiovasc Intervent Radiol 1990; **13:** 102
Nosher JL; Needell GS; Bialy G; et al: catheter occlusion of a mycotic renal artery aneurysm with cure of associated renovascular hypertension, Cardiovasc Intervent Radiol 1989; **12:** 310
Nosil J See **McParland BJ**
Noss MB; Panicucci R; McClelland RA; et al: 1-methyl-2-nitrosoimidazole: cytotoxic and glutathione depleting capabilities, Int J Radiat Oncol Biol Phys 1989; **16:** 1015
Nossen JØ; Aakhus T; Berg KJ; et al: experience with iodixanol, a new nonionic dimeric contrast medium: preliminary results from the human phase I study, Invest Radiol 1990; **25:** S113
Nostrant TT See **Marn CS**
Notardonato H; Gonzalez-Avilez A; Van Heertum RL; et al: potential value of serial cerebral SPECT scanning in the evaluation of psychiatric illness, Clin Nucl Med 1989; **14:** 319
Notley HM See **Burt PA**
Noto AM; Cheung Y; Rosenberg ZS; Norman A; Leeds NE: MR imaging of the ankle: normal variants, Radiology 1989; **170:** 121
Noto T See **Nakata T**
Notter RH See **Kendig JW**
Nottingham J See **Sampson MA**
Noujaim AA See **Tse JW**
Novak DL; Bates BF: digital radiography: uses and limitations of the method, AJR 1989; **152:** 870
Novak R: calcifications in the breast in Filaria loa infection, Acta Radiol 1989; **30:** 507
Novak R: rupture of a cyst during compression at mammography: report of a case, Acta Radiol 1989; **30:** 257
Novales-Diaz JA See **Lisbona R**
Noveck HD; Klein LW; Kramer B; et al: balloon dilatation of symptomatic subacute intimal dissection presenting as restenosis, (ab), Radiology 1990; **176:** 590
Novell R; Stansby G; Dick R: case of the month: executive distress, Br J Radiol 1991; **64:** 67
Novelline RA See **Klein A**
Novick AC See **Desberg AL**
Novick AC See **Goldfarb DA**
Novick AC See **Martinez AG**
Novick AC See **Streem SB**
Novins K See **Sherouse GW**
Novotny EJ Jr; Ogino T; Rothman DL; et al: direct carbon versus proton heteronuclear editing of 2-^{13}C ethanol in rabbit brain *in vivo*: a sensitivity comparison, Magn Res Med 1990; **16:** 431
Nowak EJ See **Wojtasek DA**
Nowakowski VA; Ivery G; Castro JR; Char DH; Linstadt DE; Ahn D; Phillips TL; Quivey JM; Decker M; Petti PL; Collier JM: uveal melanoma: development of metastases after helium ion irradiation, Radiology 1991; **178:** 277
Nowicki A; Reid J; Pedersen PC; et al: on the behavior of instantaneous frequency estimators implemented on Doppler flow imagers, Ultrasound Med Biol 1990; **16:** 511
Nowicki BH; Yu S; Reinartz J; Pintar F; Yoganandan N; Haughton VM: effect of axial loading on neural foramina and nerve roots in the lumbar spine, Radiology 1990; **176:** 433
Nowrousian MR; Meier CR; Schoetensack B; et al: sequential combination chemotherapy (CABOPP/VIM) for the treatment of high-grade malignant non-Hodgkin lymphoma, Acta Oncol 1989; **28:** 495
Nowygrod R See **Todd GJ**
Noyek AM See **Korentager R**
Noyszewski EA See **Wang Z**
Noz ME See **Birnbaum BA**
Noz ME See **Kramer EL**
Noz ME See **Megibow AJ**
Nozawa T See **Takebayashi S**
Nozokido T; Yamamoto E; Kohno H; et al: proton chemical-shift imaging with magnetically and electrically inhomogeneous objects, Magn Res Med 1991; **19:** 161
Nugent CE; Hayashi RH; Rubin J: prenatal treatment of type I congenital cystic adenomatoid malformation by intrauterine fetal thoracentesis, JCU 1989; **17:** 675
Nugent KM; Peterson MW; Jolles H; et al: correlation of chest roentgenograms with pulmonary function and bronchoalveolar lavage in interstitial lung disease, (ab), Radiology 1990; **175:** 883
Nugent P See **Ginsberg JS**
Nugent RA See **Graeb DA**
Nugent RA See **Munk PL**
Nugent RA See **O'Sullivan RM**
Nugent RA See **Urman M**
Nugent RA; Belkin RI; Neigel JM; Rootman J; Robertson WD; Spinelli J; Graeb DA: Graves orbitopathy: correlation of CT and clinical findings, Radiology 1990; **177:** 675
Numaguchi Y See **Gellad FE**
Numaguchi Y See **Kodama T**
Numaguchi Y See **Mirvis SE**
Numaguchi Y See **Murayama S**
Numaguchi Y See **Sadato N**
Numaguchi Y; Foster RW; Gum GK: large asymptomatic noncolloid neuroepithelial cysts in the lateral ventricle: CT and MR features, Neuroradiol 1989; **31:** 98
Numaguchi Y; Haller JS; Humbert JR; et al: cerebral blood flow mapping using stable xenon-enhanced CT in sickle cell cerebrovascular disease, Neuroradiol 1990; **32:** 289
Numerow LM; Krcek JP; Wallace CJ; et al: growing skull fracture simulating a rounded lytic calvarial lesion, AJNR 1991; **12:** 783
Nunes J See **Prestwich WV**
Nunez D Jr; Yrizarry JM; Casillas VJ; et al: percutaneous management of appendiceal abscesses, Semin US CT MR 1989; **10:** 348
Nuñez ME; Sinués B: cytogenic effects of diatrizoate and ioxaglate on patients undergoing excretory urography, Invest Radiol 1990; **25:** 692
Nunn AD See **Narra RK**
Nunn AD: radiopharmaceuticals for imaging myocardial perfusion, Semin Nucl Med 1990; **20:** 111
Nunnally RL See **Fleckenstein JL**
Nunnally RL See **Mason RP**
Nunnerley HB See **Wilkins RA**
Nunnerley HB; Karani JB: intraductal radiation, Radiol Clin North Am 1990; **28:** 1237
Nunzi G See **Ciatto S**
Nuortio L See **Klefström P**
Nuovo MA; Dorfman HD; Sun C-CJ; et al: tumor-induced osteomalacia and rickets, (ab), Radiology 1989; **173:** 886
Nuovo MA; Sissons HA; Zuckerman JD: case report 662, Skeletal Radiol 1991; **20:** 217
Nurmi MJ; Valavaara RA; Puntala PV; et al: results of cystectomy with and without preoperative radiotherapy in carcinoma of the urinary bladder, Acta Oncol 1990; **29:** 39
Nuruddin RN See **Carrington BM**
Nuruddin RN See **Secaf E**
Nuruddin RN; Daud AB: ipsilateral craniofacial uptake of Tc-99m MDP in nasophayrngeal carcinoma: incidence and implication, Australas Radiol 1989; **33:** 93
Nuruddin RN; Rathakrishnan V: primary non-Hodgkin's lymphoma of the terminal ileum with enterovesical fistula: a case report, Australas Radiol 1990; **34:** 268
Nussbaum AR See **Haney PJ**
Nussbaum H See **Ryoo MC**
Nüssel F; Huber P: high resolution computed tomography of superior sagittal sinus-thrombosis and -abnormalities, Neuroradiol 1989; **31:** 307
Nüssel F; Wegmüller H; Huber P: comparison of magnetic resonance angiography, magnetic resonance imaging and conventional angiography in cerebral arteriovenous malformation, Neuroradiol 1991; **33:** 56
Nüsslin F See **Ozdoba C**
Nusynowitz ML See **Fawcett HD**
Nusynowitz ML See **Rabassa AE**
Nusynowitz RN; Stricof DD: pseudoaneurysm of the cervical internal carotid artery with associated hypoglossal nerve paralysis: demonstration by CT and angiography, Neuroradiol 1990; **32:** 229
Nuyts J; Mortelmans L; Suetens P; et al: model-based quantification of myocardial perfusion images from SPECT, J Nucl Med 1989; **30:** 1992
Nwankwo M See **Odita JC**
Nyberg DA See **Bronstein AD**
Nyberg DA See **Hughes MD**
Nyberg DA See **Kelly RB**
Nyberg DA See **McGahan JP**
Nyberg DA See **Mahony BS**
Nyberg DA See **Patten RM**
Nyberg DA: fetal central nervous system, Semin Roentgenol 1990; **25:** 317
Nyberg DA: recommendations for obstetric sonography in the evaluation of the fetal cranium, Radiology 1989; **172:** 309
Nyberg DA; Fitzsimmons J; Mack LA; et al: chromosomal abnormalities in fetuses with omphalocele: significance of omphalocele contents, J Ultrasound Med 1989; **8:** 299
Nyberg DA; Hallesy D; Mahony BS; et al: Meckel-Gruber syndrome: importance of prenatal diagnosis, J Ultrasound Med 1990; **9:** 691
Nyberg DA; Hughes MD; Mack LA; Pretorius DH: fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome: reply, Radiology 1990; **177:** 883
Nyberg DA; Hughes MP; Mack LA; Wang KY: extrauterine findings of ectopic pregnancy at transvaginal US: importance of echogenic fluid, Radiology 1991; **178:** 823
Nyberg DA; Mahony BS; Luthy D; et al: single umbilical artery: prenatal detection of concurrent anomalies, J Ultrasound Med 1991; **10:** 247
Nybonde T See **Eklöf O**
Nyborg WL: NCRP-AIUM models for temperature calculations, Ultrasound Med Biol 1989; **15:** S37
Nyborg WL: statements, recommendations and guidelines for diagnostic equipment: overview, Ultrasound Med Biol 1989; **15:** S85
Nyborg WL: theoretical criterion for acoustic aggregation, Ultrasound Med Biol 1989; **15:** 93
Nyerick CE; Ochran TG; Boyer AL; et al: dosimetry characteristics of metallic cones for intraoperative radiotherapy, Int J Radiat Oncol Biol Phys 1991; **21:** 501
Nygren A; Ulfendahl HR: effects of high- and low-osmolar contrast media on renal plasma flow and glomerular filtration rate in euvolaemic and dehydrated rats: a comparison between ioxithalamate, iopamidol, iohexol and ioxaglate, Acta Radiol 1989; **30:** 383
Nygren E See **Muren C**
Nykvist F See **Hurme M**
Nylén U; Baral E; Svane G; et al: weekly doxorubicin in the treatment of metastatic breast carcinoma, Acta Oncol 1989; **28:** 515
Nyman CR See **Norming U**
Nyman R See **Ahlström H**
Nyman R See **Andersson T**
Nyman R; Hallberg M; Sunnegårdh J; et al: magnetic resonance imaging and angiography for the assessment of coarctation of the aorta, Acta Radiol 1989; **30:** 481
Nyman RS See **Rehn SM**
Nyman RS; Rehn SM; Glimelius BLG; Hagberg HE; Hemmingsson AL; Sundström CJ: residual mediastinal masses in Hodgkin disease: prediction of size with MR imaging, Radiology 1989; **170:** 435
Nyrén O See **Lundegårdh G**
Nzeh DA See **Jenyo MS**
Nzeh DA; Adedoyin MA: sonographic pattern of gallbladder disease in children with sickle cell anaemia, Pediatr Radiol 1989; **19:** 290

O

Oakes DD See **Sherck JP**
Oakes WJ See **Boyko OB**
Oakes WJ See **Curnes JT**
Oakley GJ See **Halvorsen RA Jr**
Oates CP; Wiliams ED; McHugh MI: use of a Diasonics DRF400 duplex ultrasound scanner to measure volume flow in arterio-venous fistulae in patients undergoing haemodialysis: an analysis of measurement uncertainties, Ultrasound Med Biol 1990; **16:** 571
Oates E See **Cua EJ**
Oates E See **Frates MC**
Oates E See **Hastings G**
Oates E See **Nimkin K**
Oates E See **Oliverio R**
Oates E See **Staudinger KM**
Oates E See **Stein M**
Oates E See **Vazquez R**
Oates E See **Vogelzang PJ**
Oates E; Ramberg K: imaging of intrathoracic disease with indium 111-labeled leukocytes, J Thorac Imag 1990; **5-3:** 78

Oates E; Staudinger KM: spectrum of appearance of cold sternal metastases in adults, Clin Nucl Med 1990; **14:** 702
Oates E; Staudinger KM; Gilbertson V: significance of nodal uptake on indium 111 labeled leukocyte scans, Clin Nucl Med 1989; **14:** 282
Oates RP See **Gottlieb RH**
Oba H See **Matsuda H**
Obeid FN See **Riveron FA**
Oberdorfer F See **Strauss LG**
Öberg K See **Eriksson B**
Öberg K See **Lundqvist M**
Öberg K See **Rönnblom LE**
Öberg K See **Skogseid B**
Öberg K; Eriksson B: medical treatment of neuroendocrine gut and pancreatic tumors, Acta Oncol 1989; **28:** 425
Öberg K; Eriksson B: role of interferons in the management of carcinoid tumors, Acta Oncol 1991; **30:** 519
Öberg K; Norheim I; Theodorsson E: treatment of malignant midgut carcinoid tumours with a long-acting somatostatin analogue octreotide, Acta Oncol 1991; **30:** 503
Öberg K; Skogseid B; Eriksson B: multiple endocrine neoplasia type I (men-1): clinical, biochemical and genetical investigations, Acta Oncol 1989; **28:** 383
Oberhaensli I; Extermann P; Friedli B; et al: ultrasound screening for congenital cardiac malformations in the fetus: its importance for peri- and postnatal care, Pediatr Radiol 1989; **19:** 94
Oberle K See **Raunest J**
Oberle PA See **Hammerman AM**
Oberman E See **Meek AG**
Oberman HA See **Adler DD**
Oberman HA See **Helvie MA**
Oberman HA See **Rebner M**
Obermann WR; Bloem JL; Hermans J: knee arthrography: comparison of iotrolan and ioxaglate sodium meglumine, Radiology 1989; **173:** 197
Obradovic M See **Hellbardt A**
Obralić N; Bilenjki D; Bilbija Ž: prognostic importance of anemia related parameters in patients with carcinoma of the cervix uteri, Acta Oncol 1990; **29:** 199
O'Briain DS See **Toner M**
O'Brien K See **Thomson KR**
O'Brien K; Barnes D; Martin RH; et al: gallium-SPECT in the detection of prosthetic valve endocarditis and aortic ring abscess, J Nucl Med 1991; **32:** 1791
O'Brien MJ See **Lee VW**
O'Brien SE See **Pugash RA**
O'Brien TJ See **Legan JM**
O'Brien WD Jr See **Olerud JE**
O'Brien WD Jr See **Siddiqi TA**
Obuchowski NA See **Rockette HE**
O'Byrne E See **Paul PK**
Occhiato R See **Pavone P**
Occhipinti K; Kutcher R; Rosenblatt R: sonographic appearance and significance of arcuate artery calcification, J Ultrasound Med 1991; **10:** 97
Ochi M See **Kawano Y**
Ochiai C See **Wakai S**
Ochran TG See **Nyerick CE**
Ochsner EG See **Engeler C**
Ocón E See **Caballero P**
O'Connell DJ See **Collins CD**
O'Connell E See **Blake NS**
O'Connell JM See **O'Connell MEA**
O'Connell MEA; Fisher C; Harmer CL: malignant struma ovarii: presentation and management, Br J Radiol 1990; **63:** 360
O'Connell MEA; Powell BWEM; O'Connell JM; et al: spontaneous regression of multiple bone metastases in malignant melanoma, Br J Radiol 1989; **62:** 1095
O'Connell PT; Partridge JB: review of antibiotic prophylaxis for bacterial endocarditis in relation to radiological procedures, Australas Radiol 1990; **34:** 75
O'Connell RA See **Van Heertum RL**
O'Connor BD See **Carey LS**
O'Connor CM See **Uglietta JP**
O'Connor CR See **Reginato AJ**
O'Connor J See **Irvine EJ**
O'Connor JF; Cranley WR; McCarten KM; et al: radiographic manifestations of congenital anomalies of the spine, Radiol Clin North Am 1991; **29:** 407
O'Connor KF; Bagg MN; Croley MR; Schabel SI: pelvic actinomycosis associated with intrauterine devices, Radiology 1989; **170:** 559
O'Connor MK; Kelly BJ: evaluation of techniques for the elimination of "hot" bladder artifacts in SPECT of the pelvis, J Nucl Med 1990; **31:** 1872
O'Connor NG See **Redmond OM**
O'Connor TJ III See **Simon NV**
O'Connor TP See **Renner WD**
O'Connor W See **Shih W-J**
Oda M See **Watanabe Y**
Odagiri K See **Nakano Y**
Odake G See **Uchibori M**
Oddo SM; Ziessman HA: cholescintigraphy for assessing the separation potential of thoracoomphalopagus twins, Clin Nucl Med 1990; **15:** 243
Odelberg-Johnson O; Underskog I; Johansson J-E; et al: intracavitary irradiation of prostatic carcinoma by a high dose-rate afterloading technique, Acta Oncol 1991; **30:** 45
O'Dell W See **Blackband SJ**
Odgaard A See **Søballe K**
Odink HF; de Valois HC; Eikelboom BC: femoropopliteal arterial occlusions: laser-assisted versus conventional percutaneous transluminal angioplasty, Radiology 1991; **181:** 61
Odita JC; Nwankwo M; Aghahowa JE: hilar enlargement in respiratory syncytial virus pneumonia, Eur J Radiol 1989; **9:** 155
Odita JC; Okolo AA; Ukoli F: normal values for metacarpal and phalangeal lengths in Nigerian children, Skeletal Radiol 1991; **20:** 441
Odland MD; Gisbert VL; Gustilo RB; et al: combined orthopedic and vascular injury in the lower extremities: indications for amputation, (ab), JVIR 1991; **2:** 410
O'Doherty AJ; Murphy PG; Curran RA: risk of *Staphylococcus aureus* transmission during ultrasound investigation, J Ultrasound Med 1989; **8:** 619
O'Doherty MJ See **Mountford PJ**
O'Donnell C See **Jäger HR**
O'Donnell C See **Yeung EYC**
O'Donnell CJ See **Fisher L**
O'Donnell CJ See **Jackson JE**
O'Donnell CJ; Yong K; Joplin GF: assessment of computed tomographic artefact in the putuitary fossa following needle implantation of radioactive rods, Clin Radiol 1989; **40:** 154
O'Donnell R See **Taylor GA**
O'Donnell SM See **Khaw B-A**
O'Donoghue JA; Wheldon TE; Babich JW; et al: implications of the uptake of ^{131}I-radiolabelled meta-iodobenzylguanidine (mIBG) for the targeted radiotherapy of neuroblastoma, Br J Radiol 1991; **64:** 428
O'Donovan PB See **Jones FA**
O'Donovan PB See **Shulak JM**
O'Dorisio MS See **Sirinek LP**
Odrezin GT See **Day DL**
Odugbesan O See **Johansen K**
Odurny A See **Sniderman KW**
Odurny A; Colapinto RF; Sniderman KW; et al: percutaneous transluminal angioplasty of abdominal aortic stenoses, Cardiovasc Intervent Radiol 1989; **12:** 1
Odurny A; McLoughlin MJ; Colapinto RF; et al: hepatic venography in the surgical assessment of hepatic tumours, Br J Radiol 1989; **62:** 6
O'Dwyer TP See **Sloane PM**
Ody B See **Bernard C**
Oechler HW See **Tang TT**
Oertl M See **Horvath W**
Oestmann J See **Shin JH**
Oestmann JW See **Greene R**
Oestmann JW See **Prokop M**
Oestmann JW See **Schaefer CM**
Oestmann JW; Greene R; Rhea JT; et al: "single-exposure" dual energy digital radiography in the detection of pulmonary nodules and calcifications, Invest Radiol 1989; **24:** 517
Oestmann JW; Greene R; Rubens JR; et al: high frequency edge enhancement in the detection of fine pulmonary lines: parity between storage phosphor digital images and conventional chest radiography, Invest Radiol 1989; **24:** 643
Oestmann JW; Prokop M; Schaefer CM; Galanski M: hardware and software artifacts in storage phosphor radiography, Radiographics 1991; **11:** 795
Oestmann JW; Rubens JR; Bourgouin PM; et al: impact of postprocessing on the detection of simulated pulmonary nodules with digital radiography, Invest Radiol 1989; **24:** 467
Oestreich AE See **Gyepes MT**
Oestreich AE See **Han BK**
Oestreich AE: allgemeine grundlagen der radiologischen diagnostik: spezielle radiologische diagnostik-hals, mediastinum, zwerchfell, mamma, kindlicher thorax (general principles of diagnostic radiology and specific topics: neck, mediastinum, diaphragm, breast, and pediatric chest), Radiology 1989; **172:** 148
Oestreich AE: beitrage zur klinischen myologie (clinical myology: new developments), Radiology 1989; **170:** 178
Oestreich AE: die kalkaneous-fraktur (fractures of the calcaneus), Radiology 1991; **180:** 152
Oestreich AE: editor's page: reviews of foreign-language books in *Radiology*, Radiology 1989; **172:** 600
Oestreich AE: kinderradiologie 1: bildgebende diagnostik (pediatric radiology: diagnostic imaging. vol 1), Radiology 1991; **179:** 60
Oestreich AE: kinderradiologie 2: bildgebende diagnostik (pediatric radiology: diagnostic imaging. vol 2), Radiology 1991; **179:** 60
Oestreich AE: knochenbruchheilung mit ultraschall (ultrasound-assisted bone healing), Radiology 1991; **179:** 634
Oestreich AE: Knochen-Gelenke-Weichteile I (bones, joints, soft tissues I), pt I of vol 6 of Schinz: radiologische diagnostik in klinik und praxis (diagnostic radiology in clinical practice). 7th ed, Radiology 1990; **175:** 744
Oestreich AE: knochentumoren: klinik-radiologie-pathologie (bone tumors: clinical, radiology, pathology), Radiology 1989; **171:** 774
Oestreich AE: Köhler/Zimmer: grenzen des normalen und anfänge des pathologischen im röntgenbild des skeletts (borderlands of the normal and early pathologic in skeletal radiology). 13th ed, Radiology 1990; **174:** 424
Oestreich AE: kopf-hals-sonography (head and neck sonography), Radiology 1989; **172:** 344
Oestreich AE: l'imaging del piccolo bacino funzionale (imaging of the pelvic structures and their function), Radiology 1990; **176:** 344
Oestreich AE: l'imaging diagnostico del rachide (diagnostic imaging of the spine), Radiology 1989; **172:** 688
Oestreich AE: mammographie et échographie mammaire: de l'image au diagnostic (mammography and breast ultrasound: from image to diagnosis), Radiology 1989; **172:** 472
Oestreich AE: MR-tomographie des skeletts und der peripheren weichteile (magnetic resonance imaging of the skeleton and peripheral soft tissue), Radiology 1991; **181:** 48
Oestreich AE: neue bildgebende verfahren in der pädiatrie (new developments in pediatric diagnostic imaging), Radiology 1991; **178:** 690
Oestreich AE: normalwerte in der kinderorthopädie (normal measurements in pediatric orthopedics), Radiology 1991; **179:** 494
Oestreich AE: roentgendiagnosis of the upper alimentary tract and air passages, the respiratory organs, and the mediastinum. pt 5c of vol 9 of handbuch der medizinischen radiologie (encyclopedia of medical radiology), Radiology 1989; **172:** 458
Oestreich AE: sonographie des kindlichen Hüftgelenks (ultrasound diagnosis of the pediatric hip), Radiology 1990; **177:** 758
Oestreich AE: ultraschalldiagnostik des bewegungsapparats (diagnostic ultrasound of the locomotor system), Radiology 1989; **172:** 782
Oestreich AE: ultraschalldiagnostik in pädiatrie und kinderchirurgie (ultrasound diagnosis in pediatrics and pediatric surgery), Radiology 1989; **172:** 372
Oestreich AE; Bofinger MK: prominent transverse (Bowdler) bone spur as a diagnostic clue in a case of neonatal hypophosphatasia without metaphyseal irregularity, Pediatr Radiol 1989; **19:** 341
Oetomo SB See **Steinberg JDJ**
Oettmeier R; Abendroth K: osteoarthritis and bone: osteologic types of osteoarthritis of the hip, Skeletal Radiol 1989; **18:** 165
Offermann J See **Requardt H**
Offutt CJ See **Pilgram TK**
Offutt CJ See **Vannier MW**
Ofstein RA See **Berger PE**
Ogan MD See **Schmiedl U**
Ogata Y See **Tsuchigame T**
Ogawa A See **Yamashita T**
Ogawa M; Ueda S; Ohto M; et al: ultrasonography of cervical lymphadenopathy in a patient with Kikuchi's disease, Acta Radiol 1991; **32:** 260
Ogawa S; Lee T-M: magnetic resonance imaging of blood vessels at high fields: *in vivo* and *in vivo* measurements and image simulation, Magn Res Med 1990; **16:** 9
Ogawa S; Lee T-M; Nayak AS; et al: oxygenation-sensitive contrast in magnetic resonance image of rodent brain at high magnetic fields, Magn Res Med 1990; **14:** 68
Ogawa T; Fujita H; Inugami A; et al: anomalous origin of the posterior inferior cerebellar artery from the posterior meningeal artery, AJNR 1991; **12:** 186
Ogawa T; Kanno I; Shishido F; et al: clinical value of PET with ^{18}F-fluorodeoxyglucose and L-methyl-^{11}C-methionine for diagnosis of recurrent brain tumor and radiation injury, Acta Radiol 1991; **32:** 197
Ogawa T; Miyauchi T; Kato T; et al: internal carotid origin of double ophthalmic arteries, Neuroradiol 1990; **32:** 508
Ogawa Y; Goodman GB; Chaplin DJ; et al: combination therapy of pions and SPG (Sonifilan, Schizophyllan), a biological response maodifier for mouse tumor systems, Int J Radiat Oncol Biol Phys 1990; **18:** 1415

Ogden JA See **Walling AK**

Ogden JA: transphyseal linear ossific striations of the distal radius and ulna, Skeletal Radiol 1990; **19:** 173

Ogihara Y See **Sudo A**

Ogilvie BC See **McHugh K**

Ogilvie PD See **Mivechi NF**

Ogilvy CS; Heros RC; Ojemann RG; et al: angiographically occult arteriovenous malformations, (ab), Radiology 1989; **172:** 293

Ogino T See **Akine Y**

Ogino T See **Behar KL**

Ogino T See **Novotny EJ Jr**

Oglevie SB; Smith DC; Gardiner GA: angiographic demonstration of bleeding in an unusually located Meckel's diverticulum simulating colonic bleeding, Cardiovasc Intervent Radiol 1989; **12:** 210

Oglevie SB; Smith DC; Mera SS: bleeding marginal ulcers: angiographic evaluation, Radiology 1990; **174:** 943

O'Gorman AM See **Assaf A**

O'Grady JG See **Evans RA**

Oguchi M See **Izuno I**

Oguni T See **Yamashita Y**

Oguro Y See **Joffe SN**

Oh BH See **Park JH**

Oh CH See **Kim SC**

Oh CH See **Ra JB**

Oh CH; Hilal SK; Cho ZH; et al: new spatial localization method using pulsed high-order field gradients (SHOT: selection with high-order gradient), Magn Res Med 1991; **18:** 63

Oh KS See **Bender TM**

Oh KS See **Haddon MJ**

Oh KS See **Haller JO**

Oh KS See **Kaplan SB**

Oh KS See **Keslar P**

Oh KS See **Ledesma-Medina J**

Oh MC See **Jacobs MC**

Oh MS See **Uribarri J**

Ohaki Y See **Tanaka K**

O'Halpin D See **Stringer DA**

Ohama K See **Shimizu H**

O'Hara CJ; Corson JM; Pinkus GS; et al: ME1: a monoclonal antibody that distinguishes epithelial-type malignant mesothelioma from pulmonary adenocarcinoma and extrapulmonary malignancies, (ab), Radiology 1990; **176:** 888

O'Hara JA; Douple EB; Abrams MJ; et al: potentiation of radiation-induced cell kill by synthetic metalloporphyrins, Int J Radiat Oncol Biol Phys 1989; **16:** 1049

Ohara K; Okumura T; Akisada M; et al: irradiation synchronized with respiration gate, Int J Radiat Oncol Biol Phys 1989; **17:** 853

Ohara K; Okumura T; Sugahara S; et al: role of preoperative radiotherapy for invasive thymoma, Acta Oncol 1990; **29:** 425

Ohara S; Nagai H; Matsumoto T; et al: MR imaging of CSF pulsatory flow and its relation to intracranial pressure, (ab), Radiology 1989; **172:** 588

O'Hara VS See **Light RW**

Ohara Y See **Nishimura T**

Ohashi K; Smith HS; Jacobs MP: "superscan" appearance in distal renal tubular acidosis, Clin Nucl Med 1991; **16:** 318

Ohba H See **Araki T**

Ohba S See **Otake S**

Ohgi K; Kohno A; Itabashi K; et al: head and neck reconstruction with pectoralis major myocutaneous flap: CT evaluation, JCAT 1990; **14:** 286

Ohishi H See **Iwasaki S**

Ohishi H See **Kichikawa K**

Ohishi H See **Otsuji H**

Ohishi H See **Uchida H**

Ohishi H See **Yoshioka T**

Ohkawa S; Yamadori A; Mori E; et al: case of primary malignant lymphoma of the brain with high uptake of ^{123}I-IMP, Neuroradiol 1989; **31:** 270

Ohkawa T See **Ebisuno S**

Ohki M See **Hasegawa M**

Ohkoshi T See **Andoh K**

Ohlsén H; Albrechtsson U; Billström Å; et al: comparison of iopromide versus iohexol in aortobifemoral arteriography: a Swedish multi-center study of 446 patients, Acta Radiol 1991; **32:** 130

Ohlson L: normal collecting ducts: visualization at urography, Radiology 1989; **170:** 33

Ohlsson A See **Shennan AT**

Ohman JC See **Bradrick JP**

Ohman SO See **Sharif HS**

Ohmi M; Ohuchi M: recurrent thymoma in patients with myasthenia gravis, (ab), Radiology 1991; **179:** 292

Ohmomo Y See **Kung HF**

Ohnari N See **Uchino A**

Ohnishi K See **Terabayashi H**

Ohnishi K; Saito M; Sato S; et al: portal hemodynamics in idiopathic portal hypertension (Banti's syndrome): comparison with chronic persistent hepatitis and normal subjects, (ab), Radiology 1989; **170:** 900

Ohnishi M See **Nakao N**

Ohnishi S See **Minami M**

Ohnishi T; Hoshi H; Jinnouchi S; et al: utility of cerebral blood flow imaging in patients with the unique syndrome of progressive dementia with motor neuron disease, J Nucl Med 1990; **31:** 688

Ohnishi T; Hoshi H; Nagamachi S; et al: regional cerebral blood flow study with ^{123}I-IMP in patients with degenerative dementia, AJNR 1991; **12:** 513

Ohnishi T; Noguchi S; Murakami N; et al: pentavalent technetium-99m-DMSA uptake in a patient having multiple myeloma without amyloidosis, J Nucl Med 1991; **32:** 1785

Ohno K; Yamashita M; Kushima K; et al: loop catheter for superselective catheterization of the hepatic artery, AJR 1989; **153:** 296

Ohno M See **Kamiya H**

Ohno M See **Onomura K**

Ohno M See **Uchino A**

Ohno S See **Mori M**

Ohno T See **Akai M**

Ohno T See **Hirooka N**

Ohri SK See **Brown R**

Ohsaki Y; Onodera S; Fujita M; et al: right ventricular metastasis of a large cell cancer: a case of multiple cancer, JCU 1990; **18:** 39

Ohsawa T See **Takahashi K**

Ohshima S See **Okumura M**

Ohshima S See **Yasumitsu T**

Ohshio G See **Manabe T**

Ohshiro K; Hanashiro Y; Shimabukuro K; et al: hepatobiliary study with Tc-99m N-pyridoxyl-5-methyltryptophan (PMT) in a patient with hepatoblastoma, Clin Nucl Med 1991; **16:** 10

Ohsugi S See **Kamiya H**

Ohta F See **Hanakita J**

Ohta F See **Isono M**

Ohta H; Endo K; Kanoh T; et al: technetium-99m (V) DMSA uptake in amyloidosis, J Nucl Med 1989; **30:** 2049

Ohta H; Endo K; Konishi J; et al: scintigraphic evaluation of aggressive fibromatosis, J Nucl Med 1990; **31:** 1632

Ohta H; Kotoura H; Ikeuchi D; et al: malignant lymphoma of the breast detected by gallium-67 scintigraphy, Clin Nucl Med 1990; **15:** 650

Ohta K See **Yamaki T**

Ohtake T; Kosaka N; Watanabe T; et al: noninvasive method to obtain input function for measuring tissue glucose utilizaton of thoracic and abdominal organs, J Nucl Med 1991; **32:** 1432

Ohtani H See **Tamaki N**

Ohtani M See **Takahashi K**

Ohteki H; Itoh T; Natsuaki M; et al: intraoperative ultrasonic imaging of the ascending aorta in ischemic heart disease, (ab), Radiology 1991; **179:** 295

Ohto M See **Ebara M**

Ohto M See **Ogawa M**

Ohtomo K See **Araki T**

Ohtomo K See **Furui S**

Ohtomo K See **Minami M**

Ohtomo K See **Yoshida H**

Ohtomo K; Itai Y; Hasizume K; et al: CT and MR appearance of focal nodular hyperplasia of the liver in children with biliary atresia, Clin Radiol 1991; **43:** 88

Ohtomo K; Itai Y; Matuoka Y; et al: hepatocellular carcinoma: MR appearance mimicking cavernous hemangioma, JCAT 1990; **14:** 650

Ohtomo K; Itai Y; Ohtomo Y; et al: regenerating nodules of liver cirrhosis: MR imaging with pathologic correlation, AJR 1990; **154:** 505

Ohtomo K; Itai Y; Yoshida H; et al: MR differentiation of hepatocellular carcinoma from cavernous hemangioma: complementary roles of FLASH and T2 values, AJR 1989; **152:** 505

Ohtomo Y See **Ohtomo K**

Ohuchi M See **Ohmi M**

Ohyama N See **Sekihara K**

Ohzono K; Saito M; Takaoka K; et al: natural history of nontraumatic avascular necrosis of the femoral head, (ab), Radiology 1991; **180:** 591

Oi H See **Katsushima S**

Oi H See **Nakamura H**

Oikawa K See **Sakamoto C**

Ojala A See **Nikkanen V**

Ojala A; Kallioniemi O-P; Wigren T; et al: flow cytometric analysis of tumour DNA profile related to response to radiotherapy and survival in inoperable lung cancer, Acta Oncol 1990; **29:** 983

Ojemann RG See **Ogilvy CS**

Oka K See **Nakano T**

Oka T See **Hosomi M**

Oka T See **Ishida T**

Okabe Y See **Kuroiwa T**

Okada A; Nakamura T; Higaki J; et al: congenital dilatation of the bile duct in 100 instances and its relationship with anomalous junction, (ab), JVIR 1991; **2:** 419

Okada J; Yoshikawa K; Imazeki K; et al: use of FDG-PET in the detection and management of malignant lymphoma: correlation of uptake with prognosis, J Nucl Med 1991; **32:** 686

Okada J; Yoshikawa K; Uno K; et al: increased activity on radiocolloid scintigraphy in splenic hamartoma, Clin Nucl Med 1990; **15:** 112

Okada M See **Yao T**

Okada T See **Kidooka M**

Okada Y See **Aoki S**

Okada Y; Aoki S; Barkovich AJ; Nishimura K; Norman D; Kjos BO; Brasch RC: cranial bone marrow in children: assessment of normal development with MR imaging, Radiology 1989; **171:** 161

Okadome K See **Shono T**

Okai T See **Motoo Y**

Okajima K; Kohno S; Tamaki M; et al: bilio-enteric anastomosis as a risk factor for postembolic hepatic abscesses, Cardiovasc Intervent Radiol 1989; **12:** 128

Okajima K; Nakata M; Yano S; Nagata Y; Kimura I; Nakano Y; Abe M: quantitative assessment of quality of digitized portal images: receiver operating characteristic analysis applied to imaging in radiation therapy, Radiology 1991; **181:** 273

Okamoto M; Morichika N; Nakagawa H; et al: assessment of supra-valvular abnormal signal with color Doppler flow mapping in patients with aortic regurgitation, (ab), Radiology 1990; **176:** 883

Okamoto M; Tsubokura T; Morishita K; et al: effects of volume loading on left atrial systolic time intervals, JCU 1991; **19:** 405

Okamura S; Omori F; Haga K; et al: influence of bestatin on production of granulocyte-macrophage colony-stimulating factor from human peripheral blood mononuclear cells in vitro, Acta Oncol 1990; **29:** 795

Okamura T See **Matsumoto T**

Okawa T; Kita M; Tanaka M; et al: results of radiotherapy for inoperable locally advanced esophageal cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 49

Okayama A See **Nakanishi T**

Okayasu R See **Iliakis G**

Okazaki H See **Nesbit GM**

Okazaki H See **Nixon JR**

Okazaki H See **Tanaka K**

Okazaki H; Tanaka K; Shishido T; et al: disruption of the blood–brain barrier caused by nonionic contrast medium used for abdominal angiography: CT demonstration, JCAT 1989; **13:** 893

Okazaki M; Higashihara H; Koganemaru F; et al: coaxial catheter and steerable guidewire used to embolize branches of the splanchnic arteries, AJR 1990; **155:** 405

Okazaki M; Higashihara H; Koganemaru F; Nakamura T; Kitsuki H; Hoashi T; Makuuchi M: intraperitoneal hemorrhage from hepatocellular carcinoma: emergency chemoembolization or embolization, Radiology 1991; **180:** 647

Okazaki M; Higashihara H; Yamasaki S; et al: arterial embolization to control life-threatening hemorrhage from a Meckel's diverticulum, AJR 1990; **154:** 1257

Okazaki M; Ono H; Higashihara H; et al: angiographic management of massive hemobilia due to iatrogenic trauma, Gastrointest Radiol 1991; **16:** 205

Okazaki T See **Akiyama H**

Okberg O See **Khouri MR**

O'Keefe D; Adams JE: case of the month: a dense problem, Br J Radiol 1991; **64:** 559

O'Keefe JH; Rutherford BD; McConahay DR; et al: multivessel coronary angioplasty from 1980 to 1989: procedural results and long-term outcome, (ab), JVIR 1991; **2:** 295

O'Keefe JH Jr; Hartzler GO; Rutherford BD; et al: left main coronary angioplasty: early and late results of 127 acute and elective procedures, (ab), Radiology 1990; **174:** 587

O'Keefe JH Jr; Reeder GS; Miller GA; et al: safety and efficacy of percutaneous transluminal coronary angioplasty performed at time of diagnostic catheterization compared with that performed at other times, (ab), Radiology 1989; **172:** 886

O'Keeffe D: morphometry, Radiol Clin North Am 1991; **29:** 165

O'Keeffe F See **Fornage BD**

O'Keeffe FN See **Lorigan JG**

O'Keeffe FN; Carrasco CH; Charnsangavej C; Richli WR; Wallace S; Freedman RS: percutaneous drainage and feeding gastrostomies in 100 patients, Radiology 1989; **172:** 341

O'Keeffe FN; Kim EE; Wallace S: magnetic resonance imaging in aggressive fibromatosis, Clin Radiol 1990; **42:** 170

O'Keeffe FN; Lorigan JG; Charnsangavej C; et al: chemotherapy and embolization via the inferior epigastric artery for the treatment of primary and metastatic cancer, AJR 1989; **152:** 387

O'Keeffe FN; Lorigan JG; Wallace S: radiological features of extraskeletal Ewing sarcoma, Br J Radiol 1990; **63:** 456
O'Keeffe FN; Stansberry SD; Swischuk LE; Hayden CK Jr: antropyloric muscle thickness at US in infants: what is normal?, Radiology 1991; **178:** 827
O'Keeffe FN; Swischuk LE; Stansberry SD: mediastinal pseudomass caused by compression of the thymus in neonates with anterior pneumothorax, AJR 1991; **156:** 145
O'Kelly KF See **Rankin RN**
Okimura T See **Tonami H**
Okizuka H See **Sugimura K**
Okkalides D: assessment of radiology installations in Macedonia, Greece, Eur J Radiol 1991; **12:** 177
Okolo AA See **Odita JC**
Okorie NM; Dickson JAS; Carver RA; et al: what happens to the pylorus after pyloromyotomy?, (ab), Radiology 1989; **172:** 295
Okrent D; Messersmith R; Buckman J: transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis, JVIR 1991; **2:** 195
Øksendal A See **Bååth L**
Øksendal A See **Rinck PA**
Okuda A See **Nishida T**
Okudera H; Kobayashi S; Sugita K: technical note: mobile CT scanner gantry for use in the operating room, AJNR 1991; **12:** 131
Okuhara T See **Akiyama H**
Okumura M; Ohshima S; Kotake Y; et al: intraoperative pleural lavage cytology in lung cancer patients, (ab), Radiology 1991; **181:** 910
Okumura R See **Asato R**
Okumura R See **Hayakawa K**
Okumura R; Minami S; Asato R; et al: fatty filum terminale: assessment with MR imaging, JCAT 1990; **14:** 571
Okumura T See **Ohara K**
Okunieff P See **Miralbell R**
Okunieff P See **Nishizawa K**
Okunieff P; Urano M; Kallinowski F; et al: tumors growing in irradiated tissue: oxygenation, metabolic state, and pH, Int J Radiat Oncol Biol Phys 1991; **21:** 667
Okunieff P; Vaupel P; Sedlacek R; et al: evaluation of tumor energy metabolism and microvascular blood flow after glucose or mannitol administration using ^{31}P nuclear magnetic resonance spectroscopy and laser Doppler flowmetry, Int J Radiat Oncol Biol Phys 1989; **16:** 1493
Okunieff P; Walsh CS; Vaupel P; et al: effects of hydralazine on in vivo tumor energy metabolism, hematopoietic radiation sensitivity, and cardiovascular parameters, Int J Radiat Oncol Biol Phys 1989; **16:** 1145
Okunieff PG See **Schwartz LH**
Okutsu I See **Kokubo T**
Okuyama A See **Mori K**
Okuyama A See **Yokoi K**
Okuyama K See **Kato T**
Okuyama T See **Niwa J**
Olalla E See **Medina A**
O'Laoide RM; Fahy J; Coffey M; et al: chest radiograph scoring system in adult cystic fibrosis: correlation with pulmonary function, Clin Radiol 1991; **43:** 308
O'Laughlin R: imaging of the newborn, infant and young child. 3rd ed, Radiology 1989; **173:** 668
O'Laughlin RE; Selinger SE; Moriarty PE: pituitary adenoma in McCune-Albright syndrome: MR demonstration, JCAT 1989; **13:** 685
Olcott EW See **Jeffrey RB Jr**
Olcott EW; Goldstein RB; Salvatierra O: lymphoma presenting as allograft hematoma in a renal transplant recipient, J Ultrasound Med 1990; **9:** 239
Olcott EW; Gordon RL; Ring EJ: injection technique for repositioning central venous catheters: technical note, Cardiovasc Intervent Radiol 1989; **12:** 292
Olcott EW; Ring EJ; Roberts JP; Ascher NL; Lake JR; Gordon RL: percutaneous transhepatic portal vein angioplasty and stent placement after liver transplantation: early experience, JVIR 1990; **1:** 17
Oldershaw JH; Epstein NF; Potter JE; Clouse ME: chemical dissolution of gallstones: in vitro studies, Radiology 1989; **172:** 987
Oldfield EH See **De Souza B**
Oldfield EH See **Doppman JL**
Oldfield EH See **Miller DL**
Oldfield EH See **Wrobel CJ**
Oldham KT See **Blane CE**
Oldham SAA; Castillo M; Jacobson FL; Mones JM; Saldana MJ: HIV-associated lymphocytic interstitial pneumonia: radiologic manifestations and pathologic correlation, Radiology 1989; **170:** 83
Olea N See **Ruiz-Garcia J**
O'Leary DH See **Polak JF**
O'Leary DH; Polak JF: high-resolution carotid sonography: past, present, and future, AJR 1989; **153:** 699
O'Leary T See **Koss MN**
Olen R; Pickleman J; Freeark RJ: less is better: the diagnostic workup of the patient with obstructive jaundice, (ab), Radiology 1990; **174:** 585
Olerud JE See **Forster FK**
Olerud JE; O'Brien WD Jr; Riederer-Henderson MA; et al: correlation of tissue constituents with the acoustic properties of skin and wound, Ultrasound Med Biol 1990; **16:** 55
Oleson J See **Shrivastava P**
Oleson J See **Sostman HD**
Oleson JR See **Bentel GC**
Oleson JR See **Dewhirst MW**
Oleson JR See **Shimm DS**
Oleson JR; Dewhirst MW; Harrelson JM; et al: tumor temperature distributions predict hyperthermia effect, Int J Radiat Oncol Biol Phys 1989; **16:** 559
Oleson JR; Samulski TV: improved coupling of ultrasound hyperthermia applicators to patients, Int J Radiat Oncol Biol Phys 1989; **16:** 609
Oleszczuk-Raszke K See **Cremin BJ**
Oleszczuk-Raszke K; Cremin BJ; Fisher RM; et al: ultrasonic features of pyogenic and amoebic hepatic abscesses, Pediatr Radiol 1989; **19:** 230
Olier J; Gallego J; Digon E: computerized tomography in primary hyperammonemia, Neuroradiol 1989; **31:** 356
Oliet A; Praga M; Vidaur F; et al: periglomerular granulomatosis: a limited form of Wegener's granulomatosis with exclusive renal involvement?, (ab), Radiology 1989; **170:** 289
Olin JW See **Gray BH**
Olin JW; Young JR; Graor RA; et al: changing clinical spectrum of thromboangiitis obliterans (Buerger's disease), (ab), JVIR 1991; **2:** 409
Olinger CP See **Tomsick TA**
Oliphant M See **Meyers MA**
Oliphant M See **Spirt BA**
Oliphant M; Berne AS: exophytic spread of hepatobiliary disease via perihepatic ligaments, Radiology 1989; **173:** 879
Olive DL See **Metzger DA**
Olive PL See **Chaplin DJ**
Olive PL: temperature dependence of binding of a fluorescent hypoxia probe, Int J Radiat Oncol Biol Phys 1989; **16:** 1565
Olive PL; Durand RE: misonidazole binding in SCCVII tumors in relation to the tumor blood supply, Int J Radiat Oncol Biol Phys 1989; **16:** 755
Oliver LC See **Schaefer CM**
Oliver LC See **Sprince NL**
Oliver R See **Dewhirst MW**
Oliverio R; Oates E: intraosseous hemorrhage of the sacrum: another cause of a photopenic lesion on indium-111 labeled leukocyte scintigraphy, Clin Nucl Med 1990; **15:** 578
Olivier A See **Podgorsak EB**
Olivier A See **Souhami L**
Olivotto IA See **Hassell PR**
Olivotto IA; Fairey RN; Gillies JH; et al: fatal outcome of pelvic radiotherapy for carcinoma of the cervix in a patient with systemic lupus erythematosis, Clin Radiol 1989; **40:** 83
Olivotto IA; Rose MA; Osteen RT; et al: late cosmetic outcome after conservative surgery and radiotherapy: analysis of causes of cosmetic failure, Int J Radiat Oncol Biol Phys 1989; **17:** 747
Olliff JFC See **Husband JES**
Olliff JFC See **Williams MP**
Olliff JFC; Cherryman GR: role of computed tomography in the investigation of recurrent axillary disease in patients with carcinoma of the breast, Clin Radiol 1990; **41:** 31
Olliff JFC; Eeles R; Williams MP: mimics of metastases from testicular tumours, Clin Radiol 1990; **41:** 395
Olliff JFC; Gwyther SJ; Hart G: case of the month: a case of post-operative paresis, Br J Radiol 1990; **63:** 819
Olliff JFC; Hardy JR; Williams MP; et al: case report: magnetic resonance imaging of spinal amyloid, Clin Radiol 1989; **40:** 632
Olliff JFC; Williams MP: radiological appearances of cytomegalovirus infections, Clin Radiol 1989; **40:** 463
Olliff S; Negus R; Deane C; et al: renal transport vein stenosis: demonstration and percutaneous venoplasty of a new vascular complication in the transplant kidney, Clin Radiol 1991; **43:** 42
Olliff S; Thomas S; Karani J; et al: superselective embolization using a coaxial catheter technique, Br J Radiol 1990; **63:** 197
Ollikainen A See **Tikkakoski T**
Ollivier L; Leclere J; Vanel D; et al: femoral infarction following intraarterial chemotherapy for osteosarcoma of the leg: a possible pitfall in magnetic resonance imaging, Skeletal Radiol 1991; **20:** 329
Olmi P See **Cellai E**
Olmi P; Cellai E; Chiavacci A; et al: computed tomography in nasopharyngeal carcinoma: part I: T-stage conversion with CT-staging, Int J Radiat Oncol Biol Phys 1990; **19:** 1171
Olmos RAV; Hoefnagel CA; Delprat CC: intense Tl-201 uptake in a "cold" bone lesion due to metastatic thyroid carcinoma, Clin Nucl Med 1990; **15:** 735
Olmsted WW See **Harned RK**
Olmsted WW: advances in hepatobiliary radiology, Radiology 1990; **176:** 496
Olmsted WW: award-winning scientific exhibits: 1989, Radiographics 1990; **10:** 123
Olmsted WW: award-winning scientific exhibits: 1990, Radiographics 1991; **11:** 165
Olmsted WW: clinical radiology in the small intestine, Radiology 1990; **175:** 110
Olmsted WW: editor's page, Radiographics 1990; **10:** 11
Olmsted WW: editor's page: peer review of *RadioGraphics* manuscripts: is it needed?, Radiographics 1991; **11:** 529
Olmsted WW: editor's page: *RadioGraphics* update 2: announcements and new features, Radiographics 1991; **11:** 5
Olmsted WW: note of thanks, Radiographics 1991; **11:** 58
Olmsted WW: note of thanks, Radiographics 1991; **11:** 1149
Olmsted WW: *RadioGraphics* update: announcements and new features, Radiographics 1990; **10:** 773
Olmsted WW: routes to publication in *RadioGraphics*, Radiographics 1990; **10:** 401
Olmsted WW: x-ray differential diagnosis in small bowel disease: a practical approach, Radiology 1989; **171:** 334
Olofsson PA See **Auffermann W**
Olofsson PA; Auffermann W; Higgins CB; et al: diagnosis of prosthetic aortic graft infection by magnetic resonance imaging, (ab), Radiology 1989; **171:** 292
Olscamp GC See **Herman SJ**
Olsen AD See **Nielsen PH**
Olsen KO See **Larsen JL**
Olsen NK; Pfeiffer P; Mondrup K; et al: radiation-induced brachial plexus neuropathy in breast cancer patients, Acta Oncol 1990; **29:** 885
Olsen TS See **Skriver EB**
Olsen TS; Skriver EB; Herning M: radiologic manifestations of focal cerebral hyperemia in acute stroke, Acta Radiol 1991; **32:** 100
Olson DL See **Gurney JW**
Olson DL See **Mewissen MW**
Olson JC; Bender JC; Levinson JE; et al: arthropathy of Down syndrome, (ab), Radiology 1991; **179:** 888
Olson JD See **Stuhlmuller JE**
Olson L See **Senofsky GM**
Olson LK See **Brooks AP**
Olson MC See **Dudiak CM**
Olson MC See **Love L**
Olson MC See **Posniak HV**
Olson MC; Posniak HV; McDonald V; Wisniewski R; Moncada R: computed tomography and magnetic resonance imaging of the pericardium, Radiographics 1989; **9:** 633
Olson PN: diagnostic nuclear medicine. 2nd ed, 2 vols, Radiology 1990; **175:** 520
Olson PN: radiology review manual, Radiology 1991; **180:** 402
Olson PN: sectional anatomy by MRI/CT, Radiology 1990; **177:** 718
Olson R See **Bernardino M**
Olson SR See **Brill PW**
Olson SR; Govoni AF; Minkowitz G: radiology pathology conference, Clin Imag 1989; **13:** 327
Olsson H: oral contraceptives and breast cancer: a review, Acta Oncol 1989; **28:** 849
Olsson J See **Persson B**
Olsson Y See **Lilja A**
O'Malley BM; Haller JO; Twersky J; et al: CT appearance of large sternoclavicular calcific masses in a teenager with chronic renal disease and secondary hyperparathyroidism, on hemodialysis maintenance, Pediatr Radiol 1989; **19:** 339
O'Malley BP See **Markus JB**
O'Malley BP; Minuk T; Castelli M: buttock abscess complicating Crohn's disease, J Canad Assoc Radiol 1989; **40:** 51
O'Malley M; Kenrick AJ; Sartoris DJ; Hochberg AM; Weisman MH; Ramos E; Zvaifler N; Resnick D: axial bone density in rheumatoid arthritis: comparison of dual-energy projection radiography and dual-photon absorptiometry, Radiology 1989; **170:** 501
O'Mara CS; Maples MD; Kilgore TL Jr; et al: simultaneous aortic reconstruction and bilateral renal revascularization: is this a safe and effective procedure?, (ab), Radiology 1989; **171:** 885

O'Mara EM; Pennes DR; Argenta LC: combination gel-inflatable mammary prosthesis: appearance at CT, Radiology 1989; **170:** 78
O'Mara RE: current practice in nuclear medicine: pulmonary nuclear medicine, Radiology 1989; **170:** 88
Omenn GS See **Barnhart S**
Ominsky SH See **Sickles EA**
Ominsky SH See **Steinbach LS**
Omlie MR See **Schellhas KP**
Omniczynski M See **Beck-Bornholdt H-P**
Omori F See **Okamura S**
Onda K; Tanaka R; Takahashi H; et al: symptomatic cerebrospinal fluid dissemination of cerebral glioblastoma: computed tomographic findings in 11 cases, Neuroradiol 1990; **32:** 146
Ondra SL; Troupp H; George ED; et al: natural history of symptomatic arteriovenous malformations of the brain: a 24-year follow-up assessment, (ab), JVIR 1991; **2:** 301
O'Neil JD; Roo PR; Storm BL; Buck JL; Wilkinson EJ: cystic mesothelioma of the peritoneum, Radiology 1989; **170:** 333
O'Neill BJ; Pflugfelder PW; Singh NR; et al: frequency of angiographic detection and quantitative assessment of coronary arterial disease one and three years after cardiac transplantation, (ab), Radiology 1989; **173:** 885
O'Neill BP See **Hetzel DJ**
O'Neill H; Stack JP; Malone LA; et al: complementary role of computerised tomography and indium-111 labelled leucocytes in the management of sepsis, Eur J Radiol 1989; **9:** 134
O'Neill JA Jr See **Fellows KE**
O'Neill JA Jr See **Meranze SG**
O'Neill M See **Joyce PF**
O'Neill P; Cunniffe SMT: assessment of the repair and damage of DNA induced by parent and reduced RSU-1069, a 2-nitroimidazole-aziridine, Int J Radiat Oncol Biol Phys 1989; **16:** 963
O'Neill R See **Rubinstein C**
O'Neill WW See **Holland KJ**
Ong CL See **Ang AT**
Ongseng F See **Finestone H**
Ongseng F See **Goldfarb CR**
Ongseng F See **Rundback JH**
Ongseng F See **Schoeneman MJ**
Oni OOA; Hui A; Gregg PJ: healing of closed tibial shaft fractures: the natural history of union with closed treatment, (ab), Radiology 1989; **172:** 294
Onik G See **Helms CA**
Onik G; Helms CA: automated percutaneous lumbar diskectomy, AJR 1991; **156:** 531
Onik G; Maroon JC; Shang Y: far-lateral disk herniation: treatment by automated percutaneous diskectomy, AJNR 1990; **11:** 865
Onik G; Shang Y; Maroon JC: automated percutaneous biopsy in postoperative diskitis: a new method, AJNR 1990; **11:** 391
Onitsuka H See **Honda H**
Onitsuka H See **Tomooka Y**
Onitsuka H See **Yoshimitsu K**
Onitsuka H; Tsukuda M; Araki A; et al: differentiation of central lung tumor from postobstructive lobar collapse by rapid sequence computed tomography, J Thorac Imag 1991; **6-2:** 28
Ono H See **Okazaki M**
Ono I; Ebihara S; Egawa S; et al: second carcinoma of the anterior two-thirds of the tongue after successful radiotherapy to the tongue, Int J Radiat Oncol Biol Phys 1989; **17:** 773
Ono K See **Fushiki M**
Ono K See **Hashimoto T**
Ono K See **Sasai K**
Ono K; Wandl E; Sasai K; et al: combined effect of radiation and YM-881 (SMANCS) on murine tumors and bone marrow, Acta Oncol 1990; **29:** 455
Ono S See **Morita K**
Ono S See **Nagamachi S**
Ono S See **Otsuka N**
Ono S See **Tamada T**
Onoda S See **Tohnosu N**
Onodera S See **Ohsaki Y**
Onomura K; Nakata H; Tanaka Y; et al: pulmonary hemorrhage in patients with systemic lupus erythematosus, J Thorac Imag 1991; **6-2:** 57
Onomura K; Ohno M; Uchino A; et al: CT of malignant mesenchymoma of the esophagus, Gastrointest Radiol 1989; **14:** 202
Onoyama Y See **Fujimoto K**
Onsrud M See **Rinck PA**
Onyett H See **Reddy ER**
Ooba H See **Tonami N**
Oomen A; van Erven L; Vandenbroucke WVA; et al: early and late arterial healing response to catheter-induced laser, thermal, and mechanical wall damage in the rabbit, (ab), JVIR 1991; **2:** 302
Oosterhof GON; Smits GAHJ; de Ruyter AE; et al: effects of high-energy shock waves combined with biological response modifiers in different human kidney cancer xenografts, Ultrasound Med Biol 1991; **17:** 391
Oosterveld BJ See **Thijssen JM**
Oota T See **Kuribayashi S**
Ootaki M See **Kuribayashi S**
Opal S See **Cronan JJ**
Op den Orth JO See **Smithuis RHM**
Op den Orth JO: use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Radiology 1989; **173:** 601
Ophir J See **Céspedes I**
Ophir J See **Shattuck DP**
Ophir J; Johnson W; Yazdi Y; et al: correlation artifacts in speed of sound estimation in scattering media, Ultrasound Med Biol 1989; **15:** 341
Ophir J; Parker KJ: contrast agents in diagnostic ultrasound, Ultrasound Med Biol 1989; **15:** 319
Ophof J; Leucht R; Frohmüller S; et al: experiences in home care of cancer patients: a new approach in cancer nursing, Acta Oncol 1989; **28:** 35
Oppelt A See **Schneider S**
Oppenheim BE: computer-assisted radiology resident rotation scheduling, Invest Radiol 1989; **24:** 163
Oppenheim W See **Borenstein ZCF**
Oppenheimer DA See **Yochum TR**
Opperman RM See **Faber TL**
Opsomer M See **Economidou-Karaoglou A**
Optican RJ; White KS; Effmann EL: goitrous cretinism manifesting as newborn stridor: CT evaluation, AJR 1991; **157:** 557
Oravec D See **Skubic SE**
Orazi C See **Solivetti FM**
Orazi C; Fariello G; Malena S; et al: torsion of paradidymis or Giraldés' organ: an uncommon cause of acute scrotum in pediatric age group, JCU 1989; **17:** 598
Orchard R See **Dische S**
Order S; Pajak T; Leibel S; et al: randomized prospective trial comparing full dose chemotherapy to ^{131}I antiferritin: an RTOG study, Int J Radiat Oncol Biol Phys 1991; **20:** 953
Order SE See **Leibel SA**
Order SE See **Marcial-Vega VA**
Order SE See **Stillwagon GB**
Order SE: presidential address: systemic radiotherapy—the new frontier, Int J Radiat Oncol Biol Phys 1990; **18:** 981
Order SE: theoretical implications and experimental and clinical results of radiolabeled antiferritin, Acta Oncol 1990; **29:** 689
Ordidge R See **Worthington BS**
Ordidge RJ See **Guilfoyle DN**
Ordidge RJ See **Mansfield P**
Ordidge RJ See **Stehling MK**
Ordidge RJ; Gibbs P; Chapman B; et al: high-speed multislice T_1 mapping using inversion-recovery echo-planar imaging, Magn Res Med 1990; **16:** 238
Ordidge RJ; Howseman A; Coxon R; et al: snapshot imaging of 0.5 T using echo-planar techniques, Magn Res Med 1989; **10:** 227
Orduña M See **Pulpeiro JR**
Orduña M; González de Orbe G; Gordillo MI; et al: chronic granulomatous disease of childhood: report of two cases with unusual involvement of the gastric antrum and spleen, Eur J Radiol 1989; **9:** 67
O'Regan S See **Patriquin HB**
O'Reilly GV See **Edelman RR**
O'Reilly GV See **Forrest MD**
O'Reilly GV; Forrest MD; Schoene WC; Clarke RH: laser-induced thermal occlusion of berry aneurysms: initial experimental results, Radiology 1989; **171:** 471
Orell S See **Knox AM**
Oren VO See **Lidor C**
Oria RA See **David R**
Orita T See **Fujii M**
Orizaga M See **Lum PA**
Orlacchio A See **Fanucci E**
Orlandi C; Crane PD; Edwards DS; et al: early scintigraphic detection of experimental myocardial infarction in dogs with technetium-99m-glucaric acid, J Nucl Med 1991; **32:** 263
Orlin JA; Tal I; Parker JA; et al: evaluation of routine telephone transmission of nuclear medicine studies, Clin Nucl Med 1989; **14:** 22
Ormerod MG See **Loverock P**
Ormerod S; Galea V; MacDougall JD; et al: regional bone mineral measurements, J Canad Assoc Radiol 1990; **41:** 59
Ornoy A See **Bronshtein M**
Oro J See **Tully RJ**
O'Rourke E See **Yu L**
Orovan WL See **Woods D**
Orr CM See **Waller BF**
Orr J See **Blumenthal D**
Orringer MB See **Glazer GM**
Orrison WW See **Kelsey CA**
Orrison WW See **King JN**
Orrison WW; Davis LE; Sullivan GW; et al: anatomic localization of cerebral cortical function by magnetoencephalography combined with MR imaging and CT, AJNR 1990; **11:** 713
Orrison WW Jr See **Arrington ER**
Orrison WW Jr; Stimac GK; Stevens EA; LaMasters DL; Espinosa MC; Cobb L; Mettler FA Jr: comparison of CT, low-field-strength MR imaging, and high-field-strength MR imaging: work in progress, Radiology 1991; **181:** 121
Orron DE See **Kim D**
Orron DE See **Simon M**
Orron DE; Kuhn MJ; Malholtra V; et al: primary cerebral lymphoma in acquired immunodeficiency syndrome (AIDS)—CT manifestations, Comput Med Imag Graph 1989; **13:** 207
Orsmond GS See **Boucek MM**
Ortega A See **Romero FJ**
Ortega HV See **Teitelbaum GP**
Ortendahl DA See **Kaufman L**
Ortenzo CA See **Moreno AJ**
Ortin TTS; Shostak CA; Donaldson SS: gonadal status and reproductive function following treatment for Hodgkin's disease in childhood: the Stanford experience, Int J Radiat Oncol Biol Phys 1990; **19:** 873
Ortiz C; Cleveland RH; Blickman JG; et al: familial superior mesenteric artery syndrome, Pediatr Radiol 1990; **20:** 588
Ortiz O; Lefkovitz Z: case report 678, Skeletal Radiol 1991; **20:** 376
Ortiz de Urbina D See **Calvo FA**
Orton M See **Gordon I**
Orwig D; Federle MP: localized clotted blood as evidence of visceral trauma on CT: the sentinel clot sign, AJR 1989; **153:** 747
Orzel JA; Weinberger E: misleading appearances of the bladder on pediatric genitourinary imaging, Clin Nucl Med 1990; **14:** 671
Orzincolo C See **Scutellari PN**
Orzincolo C; Bedani PL; Scutellari PN; et al: destructive spondyloarthropathy and radiographic follow-up in hemodialysis patients, Skeletal Radiol 1990; **19:** 483
Orzincolo C; Castaldi G; Scutellari PN; et al: "lamellated" skull in β-thalassaemia, Skeletal Radiol 1989; **18:** 373
Osbakken MD See **Blum H**
Osborn AG See **Bragg DG**
Osborn AG See **Ferris EJ**
Osborn AG See **Harnsberger HR**
Osborn AG; Harnsberger HR; Smoker WRK; et al: multiple sclerosis in adolescents: CT and MR findings, AJNR 1990; **11:** 489
Osborn AG; Harnsberger HR; Smoker WRK; et al: multiple sclerosis in adolescents: CT and MR findings, AJR 1990; **155:** 385
Osborn AG; Sobin LH; Armstrong P; Norman D; Hillman BJ; Manaster BJ; Siegel MJ: image interpretation session: Sunday, November 25, 1990, Radiographics 1990; **10:** 883
Osborn AG; Sobin LH; Buck JL; Davidson AJ; Kransdorf MJ; Moser RP Jr; Rosado de Christenson ML; Smirniotopoulos JG: image interpretation session, Radiographics 1991; **11:** 133
Osborn J See **Rhee JG**
Osborn JL See **Uda M**
Osborn RE See **Byrd SE**
Osborn RE See **Canavan L**
Osborn RE; Alder DC; Mitchell CS: MR imaging of the brain in patients with migraine headaches, AJNR 1991; **12:** 521
Osborn RE; Alder DC; Mitchell CS: MR imaging of the brain in patients with migraine headaches, AJR 1991; **157:** 385
Osborn RE; Deen HG; Kerber CW; et al: case of hemorrhagic pineal cyst: MR/CT correlation, Neuroradiol 1989; **31:** 187
Osborne BM: contextual diagnosis of Hodgkin's disease and non-Hodgkin's lymphoma, Radiol Clin North Am 1990; **28:** 669
Osborne J See **Rose A**
Osborne J; Masel J; McCredie J: spectrum of skeletal anomalies associated with pulmonary agenesis: possible neural crest injuries, Pediatr Radiol 1989; **19:** 425
Osborne JW See **Dion MW**
Osborne JW See **Hauer-Jensen M**
Osborne JW See **Poulakos L**
Osborne TM: CT peritoneography in peritoneal dialysis patients, Australas Radiol 1990; **34:** 204
Osburn AW; Bassett LW; Seeger LL; et al: case report 609, Skeletal Radiol 1990; **19:** 237
Oschkinat H See **Stryjewski D**
Osculati F; Leclercq F; Sbarbati A; et al: morphological identification of brown adipose tissue by magnetic resonance imaging in the rat, Eur J Radiol 1989; **9:** 112
Osher DL See **Gonda RL Jr**
Oshima M See **Suzuki A**
Oshima M; Akanabe H; Sakuma S; et al: quantification of leg muscle perfusion using thallium-201 single photon emission computed tomography, J Nucl Med 1989; **30:** 458
Oshima M; Tadokoro M; Makino N; et al: role of fast data acquisition method with Tc-99m HMPAO brain SPECT in patients with acute stroke, Clin Nucl Med 1990; **15:** 172

Oshino N See **Miyazawa T**
Oshio K See **Feinberg DA**
Oshio K; Feinberg DA: GRASE (gradient- and spin-echo) imaging: a novel fast MRI technique, Magn Res Med 1991; **20:** 344
Oshio K; Singh M: computer simulation of T_2 decay effects in echo planar imaging, Magn Res Med 1989; **11:** 389
Osian AD; Anderson LL; Linares LA; et al: treatment planning for permanent and temporary percutaneous implants with custom made templates, Int J Radiat Oncol Biol Phys 1989; **16:** 219
Osik A See **Miles SG**
Oskin JE; Alexander JM; Bekerman C; et al: alterations of the dynamics in the arterial mesenteric circulation secondary to atherosclerosis: a new pitfall of GI bleeding studies with Tc-99m tagged RBCs, Clin Nucl Med 1991; **16:** 524
Oskoie SD See **Matsuda H**
Osmak M; Korbelik M; Suhar A; et al: influence of cathepsin B and leupeptin on potentially lethal damage repair in mammalian cells, Int J Radiat Oncol Biol Phys 1989; **16:** 707
Osmak M; Perovic S: multiple fractions of gamma rays induced resistance to cis-dichloro-diammineplatinum (II) and methotrexate in human HeLa cells, Int J Radiat Oncol Biol Phys 1989; **16:** 1537
Osnes M See **Løtveit T**
Ost AH; Meyer R: cystic intraventricular schwannoma: a case report, AJNR 1990; **11:** 1262
Östbergh P See **Zackrisson B**
Osteaux M See **Stadnik TW**
Osteen RT See **Healey EA**
Osteen RT See **Olivotto IA**
Østenstad B See **Tangen JM**
Oster ZH See **Atkins HL**
Oster ZH See **Jaikishen P**
Oster ZH; Som P: new perspectives in thrombus-specific imaging: radiolabeled monoclonal antibodies, AJR 1989; **152:** 253
Oster ZH; Som P: radionuclide thrombus imaging, Radiology 1990; **174:** 894
Oster ZH; Som P; Wang G-J; et al: imaging of cocaine-induced global and regional myocardial ischemia, J Nucl Med 1991; **32:** 1569
Oster ZH; Som P; Zamora PO: mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Radiology 1989; **171:** 653
Österborg A; Åhre A; Björkholm M; et al: oral versus intravenous melphalan and prednisone treatment in multiple myeloma stage II: a randomized study from the Myeloma Group of Central Sweden, Acta Oncol 1990; **29:** 727
Österborg A; Christensson B; Silfverswärd C; et al: lymphangiomyomatosis—immunohistochemical analysis of a case presenting with enlarged inguinal lymph nodes and without pulmonary involvement, Acta Oncol 1989; **28:** 287
Østerlind A: malignant melanoma in Denmark: occurrence and risk factors, Acta Oncol 1990; **29:** 833
Osterman AL See **Zlatkin MB**
Osterman FA See **Perler BA**
Osterman FA Jr See **Savader SJ**
Osterman FA Jr See **Venbrux AC**
Osterman FA Jr See **White RI Jr**
Osterman FA Jr See **Widlus DM**
Österman K See **Kujala UM**
Ostiguy G See **Bégin R**
Ostlere SJ See **Butt WP**
Ostlere SJ; Gold RH; Mirra JM; et al: case report 658, Skeletal Radiol 1991; **20:** 145
Ostlere SJ; Irving HC; Lilford RJ: fetal choroid plexus cysts: a report of 100 cases, Radiology 1990; **175:** 753
Ostlere SJ; Seeger LL; Eckardt JJ: subchondral cysts of the tibia secondary to osteoarthritis of the knee, Skeletal Radiol 1990; **19:** 287
Ostrem JS See **Green PS**
Ostroff JW See **Chespak LW**
Ostrov SG; Quencer RM; Hoffman JC; et al: hemorrhage within pituitary adenomas: how often associated with pituitary apoplexy syndrome?, AJNR 1989; **10:** 503
Ostrow DN See **Müller NL**
Ostrum BJ See **Blumberg ML**
Ostrum DM See **Blumberg ML**
O'Sullivan B See **Bell RS**
O'Sullivan MM See **Caputo GR**
O'Sullivan RA See **Urman M**
O'Sullivan RM; Graeb DA; Nugent RA; et al: carotid and vertebral artery trauma: clinical and angiographic features, Australas Radiol 1991; **35:** 47
O'Sullivan RM; Robertson WD; Nugent RA; et al: supraclinoid carotid artery dissection following unusual trauma, AJNR 1990; **11:** 1150
O'Sullivan RM; Sheehan M; Poskitt KJ; et al: Langerhans cell histiocytosis of hypothalamus and optic chiasm: CT and MR studies, JCAT 1991; **15:** 52
Osumi A; Tien RD: MR findings in a patient with Ramsay-Hunt syndrome, JCAT 1990; **14:** 991
Oswald MJ See **Carlton JC**
Oswald MJ See **Durci ML**
Oswald MJ See **Fletcher GH**
Oswald MJ See **Stotter AT**
Oswald SG; Van Nostrand D; Savory CG; et al: acetabulum: a prospective study of three-phase bone and indium white blood cell scintigraphy following porous-coated hip arthroplasty, J Nucl Med 1990; **31:** 274
Oswald SG; Van Nostrand D; Savory CG; et al: three-phase bone scan and indium white blood cell scintigraphy following porous coated hip arthroplasty: a prospective study of the prosthetic tip, J Nucl Med 1989; **30:** 1321
Oswald T See **Danchin N**
Otake S; Banno T; Ohba S; Noda M; Yamamoto M: muscular sarcoidosis: findings at MR imaging, Radiology 1990; **176:** 145
Otake S; Matsuo M; Kuroda Y: distinction of hepatic vein from portal vein by MR imaging, JCAT 1990; **14:** 201
Otis SM See **Bass A**
Otis SM; Rossman ME; Schneider PA; et al: relationship of cerebral blood flow regulation to acute mountain sickness, J Ultrasound Med 1989; **8:** 143
Otmezguine Y See **Calitchi E**
Otmezguine Y; Grimard L; Calitchi E; et al: new combined approach in the conservative management of rectal cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 539
O'Toole K See **Kaplan SA**
O'Toole M See **Van Wagoner M**
Otsuji H See **Iwasaki S**
Otsuji H; Hatakeyama M; Kitamura I; Yoshimura H; Iwasaki S; Ohishi H; Uchida H; Kitamura S; Narita N: right upper lobe versus right middle lobe: differentiation with thin-section, high-resolution CT, Radiology 1989; **172:** 653
Otsuka M See **Ichiya Y**
Otsuka M See **Kuwabara Y**
Otsuka N; Fukunaga M; Morita K; et al: iodine-131 uptake in a patient with thyroid cancer and rheumatoid arthritis during acupuncture treatment, Clin Nucl Med 1990; **15:** 29
Otsuka N; Fukunaga M; Ono S; et al: bone marrow scintigraphy and MRI in a patient with osteopetrosis, Clin Nucl Med 1991; **16:** 443
Otsuka S-I; Nakatsu S; Matsumoto S; et al: multiple sclerosis simulating brain tumor on computed tomography, JCAT 1989; **13:** 674
Otsuki H; Brunetti A; Owens ES; et al: comparison of iron-59, indium-111, and gallium-69 transferrin as a macromolecular tracer of vascular permeability and the transferrin receptor, J Nucl Med 1989; **30:** 1676
Ott D See **Schumacher M**
Ott DJ See **Chen MYM**
Ott DJ See **Chen YM**
Ott DJ See **Gelfand DW**
Ott DJ See **Levine MS**
Ott DJ; Abernethy WB; Chen MYM; et al: radiologic evaluation of esophageal motility: results in 170 patients with chest pain, AJR 1990; **155:** 983
Ott DJ; Chen YM; Gelfand DW: effects of hiatal hernia, reflux esophagitis, and glucagon on the quality of double-contrast esophagram, Gastrointest Radiol 1989; **14:** 97
Ott DJ; Chen YM; Hewson EG; Richter JE; Dalton CB; Gelfand DW; Wu WC: esophageal motility: assessment with synchronous video tape fluoroscopy and manometry, Radiology 1989; **173:** 419
Ott DJ; Donati D; Wu WC; et al: radiographic evaluation of achalasia immediately after pneumatic dilatation with the Rigiflex dilator, Gastrointest Radiol 1991; **16:** 279
Ott DJ; Kelley TF; Chen MYM; et al: evaluation of the esophagus with a marshmallow bolus: clarifying the cause of dysphagia, Gastrointest Radiol 1991; **16:** 1
Ott DJ; Richter JE; Chen YM; et al: radiographic and manometric correlation in achalasia with apparent relaxation of the lower esophageal sphincter, Gastrointest Radiol 1989; **14:** 1
Ott DJ; Scharling ES; Chen YM; et al: positive predictive value and posttest probability of diagnosis of colonic polyp on single- and double-contrast barium enema, AJR 1989; **153:** 735
Ott RA See **Eugene J**
Ott RJ See **Flower MA**
Ott RJ: nuclear medicine in the 1990s: a quantitative physiological approach, Br J Radiol 1989; **62:** 421
Ott WJ: comparison of dynamic image and pulsed Doppler ultrasonography for the diagnosis of intrauterine growth retardation, JCU 1990; **18:** 3
Otte JB See **Zajko AB**
Otten MH See **de Vries RA**
Otter R See **van Krieken JHJM**
Ottestad L See **Tveit KM**
Ottmar MD; Gonda RL Jr; Leithauser KJ; et al: liver function tests in patients with computed tomography demonstrated hepatic metastases, Gastrointest Radiol 1989; **14:** 55
Otto RJ See **Teitelbaum GP**
Ottosson-Lönn S See **Hultborn R**
O'Tuama LA; Phillips PC; Smith QR; et al: L-methionine uptake by human cerebral cortex: maturation from infancy to old age, J Nucl Med 1991; **32:** 16
O'uchi T See **Kato T**
O'uchi T See **Tokumaru A**
Oudjhane K See **Leighton D**
Oudjhane K See **Sirinelli D**
Ouimet A See **Vignault F**
Ouriel K See **Blebea J**
Ous S See **Jacobsen A-B**
Oussoren Y See **Stewart FA**
Outcalt J See **Morris CD**
Outwater E; Bankoff MS: clinically significant adrenal hemorrhage secondary to metastases: computed tomography observations, Clin Imag 1989; **13:** 195
Outwater E; Gerzof SG: pedunculated leiomyosarcoma of the vaginal cuff after total hysterectomy: CT features, JCAT 1989; **13:** 1095
Outwater E; Kaplan MM; Bankoff MS: lymphadenopathy in primary biliary cirrhosis: CT observations, Radiology 1989; **171:** 731
Outwater E; Tomaszewski JE; Daly JM; Kressel HY: hepatic colorectal metastases: correlation of MR imaging and pathologic appearance, Radiology 1991; **180:** 327
Outwater EK; Platenberg RC; Wolpert SM: Moyamoya disease in Down syndrome, AJNR 1989; **10:** S23
Ouwerkerk R; vanEchteld CJA; Staal GEJ; et al: erythrocyte Na^+/K^+ ATPase activity measured with ^{23}Na NMR, Magn Res Med 1989; **12:** 164
Ove PN See **Reinig JW**
Overgaard J See **Bentzen SM**
Overgaard J See **Grau C**
Overgaard J See **Horsman MR**
Overgaard J See **Johansen LV**
Overgaard J: current and potential role of hyperthermia in radiotherapy, Int J Radiat Oncol Biol Phys 1989; **16:** 535
Overgaard J; Bentzen SM; Kolstad P; et al: misonidazole combined with radiotherapy in the treatment of carcinoma of the uterine cervix, Int J Radiat Oncol Biol Phys 1989; **16:** 1069
Overgaard J; Hansen HS; Andersen AP; et al: misonidazole combined with split-course radiotherapy in the treatment of invasive carcinoma of larynx and pharynx: report from the DAHANCA 2 study, Int J Radiat Oncol Biol Phys 1989; **16:** 1065
Overgaard K See **Hansen MA**
Overgaard M See **Bentzen SM**
Overgaard M See **Grau C**
Overgaard M; Christensen JJ; Johansen H; et al: evaluation of radiotherapy in high-risk breast cancer patients: report from the Danish Breast Cancer Cooperative Group (DBCG 82) trial, Int J Radiat Oncol Biol Phys 1990; **19:** 1121
Ovitt TW See **Gibby WA**
Ovitt TW See **Pond GD**
Ovitt TW See **Yocky DA**
Oweida SW; Roubin GS; Smith RB; et al: postcatheterization vascular complications associated with percutaneous transluminal coronary angioplasty, (ab), Radiology 1991; **178:** 898
Owen AWMC; Kumar EN: migration of localizing wires used in guided biopsy of the breast, Clin Radiol 1991; **43:** 251
Owen J See **Butler SP**
Owen JP See **Naisby GP**
Owen JP See **Thompson WD**
Owen JP See **Todd AW**
Owens AP See **Hourihane JB**
Owens D See **Eisenberg B**
Owens ES See **Otsuki H**
Owens M See **Fielding JR**
Owens MW; Kinasewitz GT; Gonzalez E: case report: Sandblaster's lung with mycobacterial infection, (ab), Radiology 1989; **170:** 901
Owens MW; Kinasewitz GT; Gonzalez E: case report: sandblaster's lung with mycobacterial infection, (ab), Radiology 1989; **173:** 883
Owens RG See **Thorp D**
Owings DV; Hann L; Schnitt SJ: how thoroughly should needle localization breast biopsies be sampled for microscopic examination: a prospective mammographic/pathologic correlative study, (ab), Radiology 1990; **177:** 291
Ownbey JL See **Hopper KD**

Ownbey JL See **Parker SH**
Ownby DR; Tomlanovich M; Sammons N; et al: anaphylaxis associated with latex allergy during barium enema examinations, AJR 1991; **156:** 903
Øwre A See **Jensen PR**
Øwre A; Pedersen JF: characteristic fat-fluid level at ultrasonography of ovarian dermoid cyst, Acta Radiol 1991; **32:** 317
Oyen R See **Smet M-H**
Oyen R See **Wilms G**
Oyen WJG; Claessens RAMJ; van Horn JR; et al: scintigraphic detection of bone and joint infections with indium-111-labeled nonspecific polyclonal human immunoglobulin G, J Nucl Med 1990; **31:** 403
Oz MC See **Matsumae M**
Ozasa H See **Togashi K**
Ozawa K See **Kawasaki T**
Ozawa Y See **Takebayashi S**
Ozdoba C See **Vogl G**
Ozdoba C; Voigt K; Nüsslin F: new device for CT-targeted percutaneous punctures, Radiology 1991; **180:** 576
Özere R See **Cramer BC**
Özgen T; Tekkök İH; Cila A; et al: CT cisternography in evaluation of cerebrospinal fluid rhinorrhea, Neuroradiol 1990; **32:** 481
Ozono S; Iwai A; Babaya K; et al: effects of bestatin on the host immunity in patients treated for urogenital cancer, Acta Oncol 1990; **29:** 813
Ozonoff MB See **Langer LO Jr**
Ozonoff MB: nondisease, Radiology 1990; **174:** 840
Ozturk L See **Sener RN**
Ozuner G See **El Ferzli G**

P

Paajanen H See **Niemi P**
Paajanen H; Alanen A; Erkintalo M; et al: disc degeneration in Scheuermann disease, Skeletal Radiol 1989; **18:** 523
Paajanen H; Reisto T; Hemmilä I; et al: proton relaxation enhancement of albumin, immunoglobulin G, and fibrinogen labeled with Gd-DTPA, Magn Res Med 1990; **13:** 38
Paajanen HEK See **Tertti MO**
Paakkinen S See **Vorne M**
Paakko E; Patronas NJ; Schellinger D: meningeal Gd-DTPA enhancement in patients with malignancies, JCAT 1990; **14:** 542
Paavolainen P See **Ahovuo J**
Pabst TS See **Parent FN III**
Pace L; Bacharach SL; Bonow RO; et al: diagnosis of coronary artery disease by radionuclide angiography: effect of combining indices of left ventricular function, J Nucl Med 1989; **30:** 1966
Pace R See **Nguyen KT**
Pace RF; Blenkharn JI; Edwards WJ; et al: intra-abdominal sepsis after hepatic resection, (ab), Radiology 1989; **172:** 883
Pacella JA See **Ashby MA**
Pacetti ML See **Runge VM**
Pacht ER: *Mycobacterium fortuitum* lung abscess: resolution with prolonged trimethoprim/sulfamethoxazole therapy, (ab), Radiology 1991; **178:** 291
Pacini R; Simon J; Ketonen L; et al: chemical-shift imaging of a spontaneous internal carotid artery dissection: case report, AJNR 1991; **12:** 360
Packard DS Jr See **Levinsohn EM**
Packer R See **D'Angio GJ**
Packer RJ See **Goldwein JW**
Packer RJ See **Smith RR**
Packer S See **Fairchild RG**
Packer SJ; Cesario T; Williams JH Jr: *mycobacterium avium* complex infection presenting as endobronchial lesions in immunosuppressed patients, (ab), Radiology 1989; **171:** 292
Paczolt EA See **Maurer AH**
Padayachee S See **Tarnawski M**
Padayachee TS; Bingham JB; Graves MJ; et al: dural sinus thrombosis: diagnosis and follow-up by magnetic resonance angiography and imaging, Neuroradiol 1991; **33:** 165
Padberg FT See **Anderson RJ**
Padhy AK; Gopinath PG; Amini AC: myocardial, pulmonary, diaphragmatic, gastric, splenic, and renal uptake of Tc-99m MDP in a patient with persistent, severe hypercalcemia, Clin Nucl Med 1990; **15:** 648
Padhy AK; Gopinath PG; Mehta SN; et al: technetium-99m DTPA renal transplant imaging in the diagnosis of urinoma, Clin Nucl Med 1989; **14:** 769
Padhy AK; Sharma SK; Vijayaraghavan M; et al: role of bone scanning in pulmonary alveolar microlithiasis: report of two cases, Clin Nucl Med 1991; **16:** 458
Padley S; Gleeson F; Chisholm R; et al: assessment of a single lumbar spine radiograph in low back pain, Br J Radiol 1990; **63:** 535
Padley S; Hodgson SV; Sherwood T: radiology of Coffin–Lowry syndrome, Br J Radiol 1990; **63:** 72
Padley S; Varma N; Flower CDR: case report: tracheobronchomegaly in association with ankylosing spondylitis, Clin Radiol 1991; **43:** 139
Padmanabhan TK See **Pillai MR**
Padolecchia R See **Canapicchi R**
Padovani B; Neuveut P; Chanalet S; et al: microcystic adenoma of the pancreas: report on four cases and review of the literature, Gastrointest Radiol 1991; **16:** 62
Padró L See **Saumench J**
Padua EM See **Wells TR**
Pae WE Jr See **Davis PK**
Paes BA See **Cunningham K**
Paes RA: familial osteochondritis dissecans, Clin Radiol 1989; **40:** 501
Päffgen W See **Hüller R**
Pagana TJ; Lubbe WJ; Schwartz SM; et al: comparison of palpable and nonpalpable breast cancers, (ab), Radiology 1989; **173:** 590
Pagani JJ See **Hayman LA**
Pagani JJ See **Taber KH**
Paganussi PJ See **Eurman DW**
Page AC; Evans RA; Kaczmarski R; et al: insertion of chronic indwelling central venous catheters (Hickman lines) in interventional radiology suites, Clin Radiol 1990; **42:** 105
Page DL See **Eisenberg AD**
Page DL See **Jensen RA**
Page DL See **Moore DE**
Page JE; Dow J; Dundas DD: ulcerogenic choledochoduodenal fistula, Clin Radiol 1989; **40:** 58
Page JE; Prendergast CM; King DM: retroperitoneal haematoma following orchidectomy: implications for staging computed tomography, Br J Radiol 1990; **63:** 490
Page JE; Williams JE: radiological features of phylloides tumour of the breast with clinico-pathological correlation, Clin Radiol 1991; **44:** 8
Page JE; Wilson AG: linear opacities as a feature of pneumocystis pneumonia, Br J Radiol 1990; **63:** 597
Page JE; Wilson AG; de Belder MA: value of transoesophageal ultrasonography in the management of a mediastinal foregut cyst, Br J Radiol 1989; **62:** 986
Page PE See **Long AL**
Pagliano M; Mossetti M; Ragno P; et al: echographic diagnosis of omphalocele in the first trimester of pregnancy, JCU 1990; **18:** 658
Pagon RA See **Shohat M**
Pahira JH See **Choyke PL**
Pahl DL: learning medical terminology. 7th ed, Radiology 1991; **181:** 640
Pahl E; Gidding SS: echocardiographic assessment of cardiac function during respiratory syncytial virus infection, (ab), Radiology 1989; **170:** 591
Paige ML See **Chen HH**
Paige ML See **Michael AS**
Paige ML See **Sener SF**
Paige ML; Michael AS; Brodin A: case report 647, Skeletal Radiol 1991; **20:** 54
Paik CH See **Yokoyama K**
Paik CH; Yokoyama K; Reynolds JC; et al: reduction of background activities by introduction of a diester linkage between antibody and a chelate in radioimmunodetection of tumor, J Nucl Med 1989; **30:** 1693
Paillas J-E: clinical aspects of supratentorial tumours: a review of 2 413 tumours operated over a 30-year period, J Neuroradiol 1991; **18:** 79
Pairolero PC See **Daly RC**
Pairolero PC See **McGovern EM**
Pais MJ See **Tehranzadeh J**
Pais O See **Greenfield LJ**
Pais SO See **Tobin KD**
Pais SO; Tobin KD: percutaneous insertion of the Greenfield filter, AJR 1989; **152:** 933
Paisey RB See **Clyne CAC**
Päivänsalo M See **Siniluoto T**
Päivänsalo M; Hellström P; Siniluoto T; et al: emphysematous pyelonephritis: radiologic and clinical findings in six cases, Acta Radiol 1989; **30:** 311
Päivänsalo M; Lähde S; Hyvärinen S; et al: renal angiomyolipoma: ultrasonographic, CT, angiographic, and histologic correlation, Acta Radiol 1991; **32:** 239
Päivänsalo M; Mäkäräinen H; Siniluoto T; et al: ultrasound compared with computed tomography and pancreatic arteriography in the detection of endocrine tumours of the pancreas, Eur J Radiol 1989; **9:** 173
Päivänsalo MJ; Kallioinen MJ; Merikanto JS; et al: hyperechogenic "rings" in the periphery of renal medullary pyramids as a sign of renal disease, JCU 1991; **19:** 283
Pajak T See **Order S**
Pajak T See **Pennell RG**
Pajak T See **Perez CA**
Pajak TE See **Russell AH**
Pajak TF See **Cooper JS**
Pajak TF See **Cox JD**
Pajak TF See **Griffin TW**
Pajak TF See **Lee D-J**
Pajak TF See **Marcial VA**
Pajak TF See **Wallner PE**
Pajak TF; Laramore GE; Marcial VA; et al: elapsed treatment days—a critical item for radiotherapy quality control review in head and neck trials: RTOG report, Int J Radiat Oncol Biol Phys 1991; **20:** 13
Pajari R See **Hekali P**
Pak K See **Kim CJ**
Pak KY See **Knight LC**
Pakkenberg B; Boesen J; Albeck M; et al: unbiased and efficient estimation of total ventricular volume of the brain obtained from CT-scans by a stereological method, Neuroradiol 1989; **31:** 413
Palacio A See **Martin J**
Palacios E; Shannon M; Solomon C; et al: biliary cystadenoma: ultrasound, CT, and MRI, Gastrointest Radiol 1990; **15:** 313
Palaoglu S; Beskonakli E; Senel K; et al: intraosseous location of posterior fossa posttraumatic leptomeningeal cyst: demonstration by computerized tomography, Neuroradiol 1990; **32:** 78
Palasis S; Drevelengas A: extramedullary spinal cysticercosis, Eur J Radiol 1991; **12:** 216
Palau GA See **Gotta C**
Palazzo L See **Vilgrain V**
Palcic B See **Skov KA**
Palefski P See **Isner JM**
Palestrant AM See **Spies JB**
Palestrant AM: comprehensive approach to CT-guided procedures with a hand-held guidance device, Radiology 1990; **174:** 270
Palestrant AM; Esplin CA; Shaw GT: closed irrigation and drainage system for use with percutaneous abscess drainage: technical note, Cardiovasc Intervent Radiol 1990; **13:** 119
Palestrant AM; Faykus MH Jr: clover leaf inferior vena cava filter: in vitro evaluation of filter deployment and comparison of emboli-capturing ability, JVIR 1991; **2:** 117
Palestro C See **Biener A**
Palestro CJ See **Fineman DS**
Palestro CJ See **Kim CK**
Palestro CJ See **Solomon RW**
Palestro CJ See **Sulavik SB**
Palestro CJ See **Swyer AJ**
Palestro CJ; Fineman DS; Goldsmith SJ: hot stripe sign: an unusual variation, Clin Nucl Med 1990; **15:** 647
Palestro CJ; Fineman DS; Solomon RW; et al: osteopetrosis: nuclear medicine pathophysiologic correlation, Clin Nucl Med 1989; **14:** 854
Palestro CJ; Kim CK; Needle LB; et al: In-111 labeled leukocyte and Ga-67 scintigraphy in cytomegalovirus colitis, Clin Nucl Med 1990; **15:** 848
Palestro CJ; Kim CK; Vega A; et al: acute effects of radiation therapy on indium-111-labeled leukocyte uptake in bone marrow, J Nucl Med 1989; **30:** 1889
Palestro CJ; Klein M; Kim CK; et al: indium-111-labeled leukocyte and technetium-99m-sulfur colloid uptake by a malignant fibrous histiocytoma: phagocytosis by tumor cells?, J Nucl Med 1990; **31:** 1548
Palestro CJ; Lee SO; Kim CK; et al: lumbar puncture: potential pitfall in In-111 labeled leukocyte scintigraphy, Clin Nucl Med 1991; **16:** 58
Palestro CJ; Manor EP; Kim CK; et al: torsion of a testicular appendage in an adult male, Clin Nucl Med 1990; **15:** 515
Palestro CJ; Solomon RW; Kim CK; et al: uterine leiomyomata: discrepancy between scintigraphic and radiographic images, Clin Nucl Med 1990; **15:** 930
Palestro CJ; Steele MK; Kim CK; et al: myocardial uptake of Tc-99m MDP following cardioversion, Clin Nucl Med 1991; **16:** 273
Palestro CJ; Styles ST; Kim CK; et al: bone scintigraphy in pleural metastases of osteogenic sarcoma, Clin Nucl Med 1990; **15:** 346
Palestro CJ; Swyer AJ; Kim CK; et al: role of In-111 labeled leukocyte scintigraphy in the diagnosis of intracerebral lesions, Clin Nucl Med 1991; **16:** 305
Palestro CJ; Swyer AJ; Kim CK; Goldsmith SJ: infected knee prosthesis: diagnosis with In-111 leukocyte, Tc-99m sulfur colloid, and Tc-99m MDP imaging, Radiology 1991; **179:** 645
Palestro CJ; Vega A; Kim CK; et al: appearance of acute gouty arthritis on indium-111-labeled leukocyte scintigraphy, J Nucl Med 1990; **31:** 682

Palestro CJ; Vega A; Kim CK; et al: In-111 labeled leukocyte scintigraphy in a case of multifocal candidiasis, Clin Nucl Med 1990; **15:** 392

Palestro CJ; Vega A; Kim CK; et al: indium-111-labeled leukocyte scintigraphy in hemodialysis access-site infection, J Nucl Med 1990; **31:** 319

Palestro CJ; Vega A; Kim CK; et al: infected hepatic metastasis: role of In-111 leukocyte scintigraphy, Clin Nucl Med 1990; **15:** 434

Palestro CJ; Vega A; Kim CK; et al: Paget's disease of the skull: serendipity on gallium scintigraphy, Clin Nucl Med 1990; **15:** 574

Palevsky HI See **Alavi A**

Palevsky HI See **Gefter WB**

Palevsky HI See **Keenan AM**

Palevsky HI See **Kelley MA**

Palevsky HI; Cone L; Alavi A: case of "false-positive" high probability ventilation-perfusion lung scan due to tuberculous mediastinal adenopathy with a discussion of other causes of "false-positive" high probability ventilation-perfusion lung scans, J Nucl Med 1991; **32:** 512

Paley D See **Young JWR**

Paley M See **Lampman DA**

Paliwal BR; Shrivastava PN: microwave hyperthermia: principles and quality assurance, Radiol Clin North Am 1989; **27:** 489

Palken M; Cobb OE; Simons CE; et al: prostate cancer: comparison of digital rectal examination and transrectal ultrasound for screening, (ab), Radiology 1991; **180:** 885

Palma L See **Ben-Uri R**

Palman CL See **Levine MS**

Palmaz JC See **Alvarado R**

Palmaz JC See **Becker GJ**

Palmaz JC See **Rees CR**

Palmaz JC See **Richter GM**

Palmaz JC; Encarnacion CE; Garcia OJ; Schatz RA; Rivera FJ; Laborde JC; Dougherty SP: aortic bifurcation stenosis: treatment with intravascular stents, JVIR 1991; **2:** 319

Palmaz JC; Garcia OJ; Schatz RA; Rees CR; Roeren T; Richter GM; Noeldge G; Gardiner GA Jr; Becker GJ; Walker C; Stagg J; Katzen BT; Dake MD; Paolini RM; McLean GK; Lammer J; Schwarten DE; Tio FO; Root HD; Rogers W: placement of balloon-expandable intraluminal stents in iliac arteries: first 171 procedures, Radiology 1990; **174:** 969

Palmaz JC; Waltman AC: Dieulafoy disease: a real entity?, Radiology 1990; **174:** 942

Palme DF II See **Wessels BW**

Palmer AK See **Levinsohn EM**

Palmer AS See **Bartlett ST**

Palmer BM; McInerney JJ: determination of regional myocardial perfusion by x-ray fluorescence, Invest Radiol 1990; **25:** 486

Palmer BW; Norman RW: retroperitoneal air, extracorporeal shock wave lithotripsy and epidural anesthesia, (ab), Radiology 1989; **173:** 588

Palmer CH See **Parsons L Jr**

Palmer DW See **Heilman RS**

Palmer DW; Haughton VM; Hellman RS; et al: accuracy and precision of radionuclide measurement of CSF oscillation in the spine, Invest Radiol 1990; **25:** 72

Palmer DW; Haughton VM; Nguyen CM; et al: measurement of cerebrospinal fluid movement in the spine: an experimental technique, Invest Radiol 1989; **24:** 61

Palmer EL See **Meignan M**

Palmer EL See **Scott JA**

Palmer FJ See **Lasser EC**

Palmer FJ See **Scott H**

Palmer J See **Cáceres J**

Palmer J See **Sachinwalla T**

Palmer J: morbidity and mortality with intravenous contrast media: ionic and nonionic, Invest Radiol 1990; **25:** S18

Palmer LB; Greenberg HE; Schiff MJ: corticosteroid treatment as a risk factor for invasive aspergillosis in patients with lung disease, (ab), Radiology 1991; **181:** 291

Palmer P See **Davis M**

Palmer PES See **Merten DF**

Palmer PES: books . . . and journals, Radiology 1991; **181:** 282

Palmer WE; Chew FS: renal oncocytoma, AJR 1991; **156:** 1144

Palmer WE; Gerard-McFarland EL; Chew FS: adrenal myelolipoma, AJR 1991; **156:** 724

Palmer-Lawrence JL; Mahan EF III; Logic JR: lateral inguinal hernia detected on routine bone scan, Clin Nucl Med 1990; **15:** 926

Pals H See **Dalmark M**

Palser R; Jamieson R; Sutherland JB; et al: three-dimensional lithographic model building from volume data sets, J Canad Assoc Radiol 1990; **41:** 339

Palta JR; Ayyangar KM; Suntharalingam N; et al: asymmetric field arc rotations, Br J Radiol 1989; **62:** 927

Palta JR; Suntharalingam N: non-docking intraoperative electron beam applicator system, Int J Radiat Oncol Biol Phys 1989; **17:** 411

Palta M; Gabbert D; Fryback D; et al: development and validation of an index for scoring baseline respiratory disease in the very low birth weight neonate, (ab), Radiology 1991; **179:** 592

Paltiel H See **Burns PN**

Paltiel H See **Jequier S**

Paltiel H See **Patriquin HB**

Paltiel HJ; Lebowitz RL: neonatal hydronephrosis due to primary vesicoureteral reflux: trends in diagnosis and treatment, Radiology 1989; **170:** 787

Pamilo M See **Anttinen I**

Pamilo M; Anttinen I; Soiva M; et al: mammography screening–reasons for recall and the influence of experience on recall in the Finnish system, Clin Radiol 1990; **41:** 384

Pamilo M; Soiva M; Anttinen I; et al: ultrasonography of breast lesions detected in mammography screening, Acta Radiol 1991; **32:** 220

Pamilo M; Soiva M; Lavast E-M: real-time ultrasound, axillary mammography, and clinical examination in the detection of axillary lymph node metastases in breast cancer patients, J Ultrasound Med 1989; **8:** 115

Pan DH-C See **Teng MMH**

Pan G; Kulkarni M; MacDougall DJ; et al: traumatic epidural hematoma of the cervical spine: diagnosis with magnetic resonance imaging—case report, (ab), Radiology 1989; **170:** 589

Pan G; Raymond AK; Carrasco CH; Wallace S; Kim EE; Shirkhoda A; Jaffe N; Murray JA; Benjamin RS: osteosarcoma: MR imaging after preoperative chemotherapy, Radiology 1990; **174:** 517

Pan G; Singleton E; Nihill M; et al: case of bilateral gastric bronchopulmonary-foregut malformation, Pediatr Radiol 1989; **19:** 463

Pan JW; Hamm JR; Hetherington HP; et al: correlation of lactate and pH in human skeletal muscle after exercise by ^{1}H NMR, Magn Res Med 1991; **20:** 57

Pan JW; Hetherington HP; Hamm JR; et al: quantitation of metabolites by ^{1}H NMR, Magn Res Med 1991; **20:** 48

Pan JW; Shulman RG: *in vivo* human localized ^{1}H spectroscopy, Magn Res Med 1989; **12:** 257

Pan S See **Kung HF**

Panaccione JL See **Mantello MT**

Panageas E See **Lee VW**

Panageas E; Kuligowska E; Dunlop R; et al: angiosarcoma of the seminal vesicle: early detection using transrectal ultrasound-guided biopsy, JCU 1990; **18:** 666

Panagopoulos KP; El-Azouzi M; Chisholm HL; et al: intracranial epidermoid tumors: a continuing diagnostic challenge, (ab), Radiology 1991; **178:** 900

Panchalingam K See **Pettegrew JW**

Pande SA See **Kinare AS**

Pandey KK See **Mittal A**

Pandolfo I; Gaeta M; Blandino A; et al: MR imaging of perineural metastasis along the vidian nerve, JCAT 1989; **13:** 498

Pandolfo I; Gaeta M; Scribano E; et al: mediastinal pseudotumor due to passage of ascites through the esophageal hiatus, Gastrointest Radiol 1989; **14:** 209

Pandolfo I; Scribano E; Blandino A; et al: tumors of the ampulla diagnosed by CT hypotonic duodenography, JCAT 1990; **14:** 199

Panesar KJS See **Carragher AM**

Pang J See **Chan HS**

Pang JA; Chan HS; Chan CY; et al: tuberculostearic acid assay in the diagnosis of sputum smear-negative pulmonary tuberculosis: a prospective study of bronchoscopic aspirate and lavage specimens, (ab), Radiology 1990; **175:** 588

Pang JA; Hamilton-Wood C; Metreweli C: value of computed tomography in the diagnosis and management of bronchiectasis, Clin Radiol 1989; **40:** 40

Panicek DM See **Groskin SA**

Panicek DM See **Heelan RT**

Panicek DM: cystic pulmonary lesions in patients with AIDS, Radiology 1989; **173:** 12

Panicek DM; Caravelli JF: chief residency in radiology: results of a survey of A^3CR^2 members, Invest Radiol 1989; **24:** 496

Panicek DM; Casper ES; Brennan MF; Hajdu SI; Heelan RT: hemorrhage simulating tumor growth in malignant fibrous histiocytoma at MR imaging, Radiology 1991; **181:** 398

Panicek DM; Toner GC; Heelan RT; Bosl GJ: nonseminomatous germ cell tumors: enlarging masses despite chemotherapy, Radiology 1990; **175:** 499

Panicucci R See **Noss MB**

Panicucci R; Heal R; Laderoute K; et al: NLP-1: a DNA intercalating hypoxic cell radiosensitizer and cytotoxin, Int J Radiat Oncol Biol Phys 1989; **16:** 1039

Panis X; Coninx P; Nguyen TD; et al: relation between responses to induction chemotherapy and subsequent radiotherapy in advanced or multicentric squamous cell carcinomas of the head and neck, Int J Radiat Oncol Biol Phys 1990; **18:** 1315

Panitch HB See **Wolfson BJ**

Panju AA See **Ginsberg JS**

Pannarale O See **Angelelli G**

Panos RJ; Mortenson RL; Niccoli A; et al: clinical deterioration in patients with idiopathic pulmonary fibrosis: causes and assessment, (ab), Radiology 1990; **177:** 291

Pansini G See **Feggi L**

Pansky M See **Strauss S**

Pantelias G See **Iliakis G**

Pantoja E: inner visions: radiographic caricature as a medical illustration, Radiographics 1991; **11:** 636

Pantoja E: inner visions: radiographic caricature of a disease, Radiographics 1991; **11:** 400

Pantoja E: inner visions: this radiograph shows at least 16 signs supporting the diagnosis in this supine "child"—can you find them?, Radiographics 1991; **11:** 346

Pantoja E: inner visions: what seems strange about this radiograph?, Radiographics 1991; **11:** 120

Pantoja E; Kabler C; Li CP: object radiography contrived to illustrate basic principles, Radiographics 1990; **10:** 323

Pantongrag-Brown L: case of the season, Semin Roentgenol 1991; **26:** 101

Pantongrag-Brown L; Suwanwela N; Arjhansiri K; et al: demonstration on computed tomography of two pseudoaneurysms complicating chronic pancreatitis, Br J Radiol 1991; **64:** 754

Panuel M See **Bourliere-Najean B**

Panuel M See **du Lac P**

Panush D See **Moser FG**

Panushka C See **Halvorsen RA Jr**

Panych LP See **Melki PS**

Panzer W; Zankl M: method for estimating embryo doses resulting from computed tomographic examinations, Br J Radiol 1989; **62:** 936

Pao WJ; Hustu HO; Douglass EC; et al: pediatric nasopharyngeal carcinoma: long term follow-up of 29 patients, Int J Radiat Oncol Biol Phys 1989; **17:** 299

Pao WJ; Pilepich MV: postoperative radiotherapy in the treatment of extremity soft tissue sarcomas, Int J Radiat Oncol Biol Phys 1990; **19:** 907

Paolella LP See **Cronan JJ**

Paolella LP See **Dorfman GS**

Paolella LP See **Frink NC**

Paolella LP See **Lambiase RE**

Paolini RM See **Palmaz JC**

Papa G See **Leith JT**

Papac RJ See **Weissberg JB**

Papachrysanthou C See **Schroeder J**

Papadopoulos SM See **Brunberg JA**

Papageorges M; Gavin PR; Adams DS; et al: analysis of binding of a technetium-99m-labeled monoclonal antibody to lentivirus-infected cells, Invest Radiol 1990; **25:** 1182

Papailiou I See **Gouliamos A**

Papaioannou D See **Tsavaris NB**

Papanicolaou N See **Cardenosa G**

Papanicolaou N See **Lee MJ**

Papanicolaou N See **Silverman SG**

Papanicolaou N See **Tung GA**

Papanicolaou N; Pfister RC; Nocks BN: percutaneous, large-bore, suprapubic cystostomy: technique and results, AJR 1989; **152:** 303

Paparella MM See **Yoon TH**

Papatheofanis BJ See **Papatheofanis FJ**

Papatheofanis FJ; Papatheofanis BJ: short-term effect of exposure to intense magnetic fields on hematologic indices of bone metabolism, Invest Radiol 1989; **24:** 221

Papathoma E See **Fenton AC**

Papavasiliou C; Gouliamos A; Deligiorgi E; et al: masses of myeloadipose tissue: radiological and clinical considerations, Int J Radiat Oncol Biol Phys 1990; **19:** 985

Papavasiliou C; Gouliamos A; Vlahos L; et al: CT and MRI of symptomatic spinal involvement by extramedullary haemopoiesis, Clin Radiol 1990; **42:** 91

Papendick R See **Vaamonde CA**

Papile L See **Brann BS IV**

Papile LA See **Lowe J**

Papillon J: effectiveness of combined radio-chemotherapy in the management of epidermoid carcinoma of the anal canal, Int J Radiat Oncol Biol Phys 1990; **19:** 1217

Papillon J; Gerard JP: role of radiotherapy in anal preservation for cancers of the lower third of the rectum, Int J Radiat Oncol Biol Phys 1990; **19:** 1219

Papillon J; Montbarbon JF; Gerard JP; et al: interstitial curietherapy in the conservative treatment of anal and rectal cancers, Int J Radiat Oncol Biol Phys 1989; **17:** 1161
Papke RA See **Breger RK**
Papke RA See **Hellman RS**
Papke RA See **Yetkin FZ**
Papp KK See **Messmer JM**
Pappas AM See **Rohrer MJ**
Pappas JM See **Frood LR**
Pappatà S See **Fiorelli M**
Pappata S; Cornu P; Samson Y; et al: PET study of carbon-11-PK 11195 binding to peripheral type benzodiazepine sites in glioblastoma: a case report, J Nucl Med 1991; **32:** 1608
Paracchi A See **Livraghi T**
Paradis B See **Samson L**
Paradis IL See **Gryzan S**
Paranandi L See **Masaryk AM**
Pardo FS; Wang CC; Albert D; et al: sebaceous carcinoma of the ocular adnexa: radiotherapeutic management, Int J Radiat Oncol Biol Phys 1989; **17:** 643
Pardo G See **Bonilla-Musoles F**
Pardo J See **Schoenfeld A**
Pardou A See **Avni EF**
Pardy RL See **Wilcox PG**
Paré JP; Cote G; Fraser RS: long-term follow-up of drug abusers with intravenous talcosis, (ab), Radiology 1989; **172:** 883
Paré PD See **Guerry-Force ML**
Paré PD See **Wilcox PG**
Pareek PN See **Spencer SA**
Parekh BC See **Block RE**
Parent FN III; Bernhard VM; Pabst TS; et al: fibrinolytic treatment of residual thrombus after catheter embolectomy for severe lower limb ischemia, (ab), Radiology 1989; **172:** 886
Parenti CM See **Lederle FA**
Parer JT See **Hricak H**
Parga G See **Abad J**
Parham DM See **Hanna SL**
Parienté D See **Abécassis J-P**
Pariente D See **Sigal R**
Pariente D; Bernard O; Gauthier F; et al: radiological treatment of common bile duct lithiasis in infancy, Pediatr Radiol 1989; **19:** 104
Pariente D; Bihet MH; Tammam S; et al: biliary complications after transplantation in children: role of imaging modalities, Pediatr Radiol 1991; **21:** 175
Pariente D; Riou JY; Schmit P; et al: variability of clinical presentation of hepatic artery thrombosis in pediatric liver transplantation: role of imaging modalities, Pediatr Radiol 1990; **20:** 253
Parikh JR See **Connell DG**
Parikh K See **Rafla S**
Paris D See **Lautrou J**
Parisi JE See **Jelinek J**
Parisi M See **Wood LP**
Parisi M; Lieberson R; Shatsky S: hangman's fracture or primary spondylolysis: a patient and a brief review, Pediatr Radiol 1991; **21:** 367
Parisi M; Mehdizadeh HM; Hunter JC; et al: evaluation of craniosynostosis with three-dimensional CT imaging, JCAT 1989; **13:** 1006
Parisi MT See **Sandler ED**
Parisier SC See **Levenson MJ**
Parisot S; Droulle P; Feldmann M; et al: unusual encephaloclastic lesions with paraventricular calcification in congenital rubella, Pediatr Radiol 1991; **21:** 229
Parizel PM See **Arvanitis TN**
Parizel PM See **Rodesch G**
Parizel PM; Balériaux D; Rodesch G; et al: Gd-DTPA–enhanced MR imaging of spinal tumors, AJNR 1989; **10:** 249
Parizel PM; Degryse HR; Gheuens J; et al: gadolinium-DOTA enhanced MR imaging of intracranial lesions, JCAT 1989; **13:** 378
Parizel PM; Martin J-J; Van Vyve M; et al: cerebral ganglioglioma and neurofibromatosis type I: case report and review of the literature, Neuroradiol 1991; **33:** 357
Parizel PM; Rodesch G; Balériaux D; et al: Gd-DTPA-enhanced MR in thoracic disc herniations, Neuroradiol 1989; **31:** 75
Park C See **Kim H**
Park C; LaRoy L; Ali A; et al: pelvic hematoma diagnosed on technetium-99m methylene diphosphanate bone imaging, Clin Nucl Med 1989; **14:** 139
Park CH See **Ballas SK**
Park CH See **Intenzo CM**
Park CH See **Kim SM**
Park C-K; Webb WR; Klein JS: inferior hilar window, Radiology 1991; **178:** 163
Park CM; Cha IH; Chung KB; et al: hepatocellular carcinoma in extrahepatic bile ducts, Acta Radiol 1991; **32:** 34
Park CM; Chung KB; Sun WH: osteomyelitis: detection with US, Radiology 1991; **178:** 890
Park H-M See **Braeuning MP**
Park H-M See **Shen W**
Park HM; Moran CC; Siddiqui AR: active bleeding after renal transplantation diagnosed by Tc-99m DTPA scanning, Clin Nucl Med 1990; **15:** 519
Park I-S See **Yoo S-J**
Park JH See **Choi BI**
Park JH See **Im J-G**
Park JH See **Kang HS**
Park JH See **Kim SH**
Park JH See **Lee Y**
Park J-H See **Song H-Y**
Park JH; Cha SH; Han JK; et al: intrahepatic portosystemic venous shunt, AJR 1990; **155:** 527
Park JH; Gibbs SJ; Price RR; Partain CL; James AE Jr: inflammatory myopathies: MR imaging and spectroscopy: reply, Radiology 1991; **179:** 343
Park JH; Han MC; Im J-G; Oh BH; Lee YW: mitral stenosis: evaluation with MR imaging after percutaneous balloon valvuloplasty, Radiology 1990; **177:** 533
Park JH; Han MC; Kim C-W: MR imaging of congenitally corrected transposition of the great vessels in adults, AJR 1989; **153:** 491
Park JH; Han MC; Kim SH; et al: Takayasu arteritis: angiographic findings and results of angioplasty, AJR 1989; **153:** 1069
Park JH; Han MC; Oh BH; et al: magnetic resonance evaluation of mitral stenosis, Cardiovasc Intervent Radiol 1990; **13:** 294
Park JH; Lee G; Han JK; et al: inadvertent embolic obstruction of abdominal aorta from left atrial thrombus after percutaneous mitral valvuloplasty, Cardiovasc Intervent Radiol 1990; **13:** 351
Park JH; Vansant JP; Kumar NG; Gibbs SJ; Curvin MS; Price RR; Partain CL; James AE Jr: dermatomyositis: correlative MR imaging and P-31 MR spectroscopy for quantitative characterization of inflammatory disease, Radiology 1990; **177:** 473
Park JM See **Im J-G**
Park JM; Yeon KM; Han MC; et al: diffuse intestinal arteriovenous malformation in a child, Pediatr Radiol 1991; **21:** 314
Park RHR; McKillop JH; Duncan A; et al: can ^{111}Indium autologous mixed leucocyte scanning accurately assess disease extent and activity in Crohn's disease?, (ab), Radiology 1989; **170:** 581
Park RI See **Lee D-J**
Park TL See **Kalend AM**
Park TL See **Meek AG**
Park YH See **Choi BI**
Park YH See **Kim KT**
Parke RB Jr See **McGahan RA**
Parker BR See **Baker LL**
Parker BR See **Chang PJ**
Parker BR See **Luna-Fineman S**
Parker BR See **Resendes M**
Parker BR See **Stevens SK**
Parker DL See **Blatter DD**
Parker DL See **Caputo GR**
Parker DL See **Hou P**
Parker DL See **Yuan C**
Parker DL; Caputo GR; Frederick PR: efficient biphasic spin-echo magnetic resonance imaging, Magn Res Med 1989; **11:** 98
Parker DL; Yuan C; Blatter DD: MR angiography by multiple thin slab 3D acquisition, Magn Res Med 1991; **17:** 434
Parker DR See **Lee VW**
Parker GA; Lawrence W Jr; Horsley JS; et al: intraoperative ultrasound of the liver affects operative decision making, (ab), Radiology 1989; **173:** 585
Parker GD See **Perry RD**
Parker GD See **Shnier R**
Parker GD; Harnsberger HR: clinical-radiologic issues in perineural tumor spread of malignant diseases of the extracranial head and neck, Radiographics 1991; **11:** 383
Parker GD; Harnsberger HR: radiologic evaluation of the normal and diseased posterior cervical space, AJR 1991; **157:** 161
Parker GD; Harnsberger HR; Jacobs JM: pharyngeal mucosal space, Semin US CT MR 1990; **11:** 460
Parker GD; Harnsberger HR; Smoker WRK: anterior and posterior cervical spaces, Semin US CT MR 1991; **12:** 257
Parker GD; Jones NR; Scott G: cervical myelopathy in C.P.P.D. deposition disease, Australas Radiol 1990; **34:** 82
Parker GD; Williams JAR: massive intramural duodenal haematoma following blunt abdominal trauma: case report, Australas Radiol 1989; **33:** 192
Parker JA See **Cohen AM**
Parker JA See **Orlin JA**
Parker JA: quantitative SPECT: basic theoretical considerations, Semin Nucl Med 1989; **19:** 3
Parker JA; Nagel JS; Drum DE; Tumeh SS; Goldhaber SZ: pulmonary embolism: segmental appearance of perfusion lung scan defects correlates with successful response to thrombolytic therapy, Radiology 1990; **174:** 483
Parker K See **Violante MR**
Parker KH See **Caro CG**
Parker KJ See **Lee F Jr**
Parker KJ See **Lerner RM**
Parker KJ See **Ophir J**
Parker KJ See **Tuthill TA**
Parker KJ; Baggs RB; Lerner RM; et al: ultrasound contrast for hepatic tumors using IDE particles, Invest Radiol 1990; **25:** 1135
Parker KJ; Huang SR; Musulin RA; et al: tissue response to mechanical vibrations for "sonoelasticity imaging", Ultrasound Med Biol 1990; **16:** 241
Parker LA See **Dick L**
Parker LA See **Mauro MA**
Parker LA Jr; Delany DJ; Friday JM: oblique projections in aortography following blunt thoracic trauma, J Canad Assoc Radiol 1989; **40:** 172
Parker MD; Clark RL: evolving concepts in the diagnosis of xanthogranulomatous pyelonephritis, Urol Radiol 1989; **11:** 7
Parker MD; Clark RL; Cuttino JT Jr; et al: streptococcal antigen-induced dislocation and dysplasia of the hip in newborn rats: radiologic and histologic evaluation of a model of congenital dislocation of the hip, Invest Radiol 1989; **24:** 604
Parker MD; Clark RL; McLelland R; Daughtery K: disappearing breast calcifications, Radiology 1989; **172:** 677
Parker MD; Rebsamen S; Clark RL: multiple ureteral diverticula: a possible radiographically demonstrable risk factor in development of transitional cell carcinoma, Urol Radiol 1989; **11:** 45
Parker RD See **Rosenberg TD**
Parker RE See **Carroll FE Jr**
Parker RG: radiation-induced cancer as a factor in clinical decision making (the 1989 Astro Gold Medal address), Int J Radiat Oncol Biol Phys 1990; **18:** 993
Parker RG: training in academic radiation oncology in the U.S.: a report to the inter society council for radiation oncology, Int J Radiat Oncol Biol Phys 1990; **18:** 1245
Parker SH See **Burke BJ**
Parker SH See **Chantelois AE**
Parker SH See **Hopper KD**
Parker SH See **Yakes WF**
Parker SH; Hopper KD; Yakes WF; Gibson MD; Ownbey JL; Carter TE: image-directed percutaneous biopsies with a biopsy gun, Radiology 1989; **171:** 663
Parker SH; Hopper KD; Yakes WF; Ownbey JL; Carter TE; Gibson MD: imaging-directed percutaneous biopsies with a biopsy gun: reply, Radiology 1990; **176:** 286
Parker SH; Lovin JD; Jobe WE; Burke BJ; Hopper KD; Yakes WF: nonpalpable breast lesions: stereotactic automated large-core biopsies, Radiology 1991; **180:** 403
Parker SH; Lovin JD; Jobe WE; Luethke JM; Hopper KD; Yakes WF; Burke BJ: stereotactic breast biopsy with a biopsy gun, Radiology 1990; **176:** 741
Parker SH; Yakes WF; Hopper KD; et al: technical note: adaptation of the Bard prostate biopsy gun for CT-guided abdominal biopsies, Cardiovasc Intervent Radiol 1989; **12:** 50
Parker SL: pediatric sonography, Radiology 1991; **180:** 422
Parker SL; Laszewski MJ; Trigg ME; et al: spinal cord aspergillosis in immunosuppressed patients, Pediatr Radiol 1990; **20:** 351
Parkey RW See **Erdman WA**
Parkey RW See **Fleckenstein JL**
Parkin A; Norwood H; Erdentug MA; et al: flexible image archiving system using a personal computer and optical disk, Br J Radiol 1989; **62:** 620
Parkin A; Smye SW; Bishop N; et al: forearm blood flow measurements using technetium-99m human serum albumin following brachial arteriotomy, J Nucl Med 1989; **30:** 45
Parkinson MC See **Jones DR**
Parkman HP See **Goodman P**
Parmeggiani L See **Schneider P-A**
Parmentier C See **Chavaudra N**
Parmley WW See **Auffermann W**
Parnell AP; Simpson W; Ward MK: periosteal new bone formation in chronic renal failure, Clin Radiol 1989; **40:** 490
Parodi O See **Bellina CR**
Parodi O See **Marcassa C**
Parolini D See **DelMaschio A**
Parpounas C See **Hadjigeorgi C**
Parr GVS See **Swayne LC**
Parr M See **Tilcock CP**
Parravano J See **Chen JC**
Parravano JG See **Wolff KA**
Parrish TB See **Haacke EM**
Parry CE See **Agrons GA**
Parry CE See **Foley M**
Parry SW; Pelias ME; Browder W: acalculous hypersensitivity cholecystitis: hypothesis of a new clinicopathologic entity, (ab), Radiology 1989; **171:** 881

Parsa MB See **Siegel EL**
Parsonnet V See **Trent MS**
Parsonnet V; Fisch D; Gielchinsky I; et al: emergency operation after failed angioplasty, (ab), Radiology 1989; **171:** 589
Parsons C See **Cooke J**
Parsons C See **Stutley J**
Parsons CA See **Mills P**
Parsons CA See **Moskovic E**
Parsons DS See **Bolger WE**
Parsons JT See **Amdur RJ**
Parsons JT See **Brant TA**
Parsons JT See **Foote RL**
Parsons JT See **Freeman DE**
Parsons JT See **Guedea F**
Parsons JT: management of advanced cancer of the prostate and bladder, Radiology 1989; **171:** 72
Parsons L Jr; Palmer CH: how accurate is fine-needle biopsy in malignant neoplasia of the pancreas?, (ab), Radiology 1989; **173:** 586
Partain CL See **Creasy JL**
Partain CL See **James AE Jr**
Partain CL See **Park JH**
Partain CL See **Price RR**
Partanen K See **Manninen H**
Partanen K; Pikkarainen P; Pasanen P; et al: ultrasonography and computed tomography in diffuse liver disease with cholestasis, Acta Radiol 1990; **31:** 477
Partington C See **Bell CL**
Partington CR See **Digman KE**
Partington CR See **Graves VB**
Partington CR; Graves VB; Hegstrand LR: meningioangiomatosis, AJNR 1991; **12:** 549
Partington CR; Graves VB; Rüfenacht DA; et al: biocompatibility of 1-F polyethylene catheters used in interventional neuroradiology procedures: a study with rats and dogs, (ab), JVIR 1991; **2:** 409
Partington CR; Graves VB; Rüfenacht DA; et al: biocompatibility of 1-French polyethylene catheters used in interventional neuroradiology procedures: a study with rats and dogs, AJNR 1990; **11:** 881
Partridge JB See **O'Connell PT**
Partridge JB See **Slaughter RE**
Partsch H See **Lammer J**
Parulekar SG: sonography of normal fetal bowel, J Ultrasound Med 1991; **10:** 211
Parulekar SG: sonography of the distal cystic duct, J Ultrasound Med 1989; **8:** 367
Parvey HR; Eisenberg RL: image-directed Doppler sonography of the intrarenal arteries in acute renal vein thrombosis, JCU 1990; **18:** 512
Parvey HR; Eisenberg RL; Giyanani V; et al: duplex sonography of the portal venous system: pitfalls and limitations, AJR 1989; **152:** 765
Parvez Z; Rahman MA; Moncada R: contrast media-induced lipid peroxidation in the rat kidney, Invest Radiol 1989; **24:** 697
Parvez Z; Ramamurthy S; Patel NB; et al: enzyme markers of contrast media-induced renal failure, Invest Radiol 1990; **25:** S133
Parziale JR See **Scola FH**
Pasanen P See **Partanen K**
Pascal S; Resnick L; Barker WW; et al: metabolic asymmetries in asymptomatic HIV-1 seropositive subjects: relationship to disease onset and MRI findings, J Nucl Med 1991; **32:** 1725
Paschal CB See **White RD**
Pasco A; Kalifa G; Sarrazin JL; et al: contribution of MRI to the diagnosis of cerebral lesions of adrenoleukodystrophy, Pediatr Radiol 1991; **21:** 161
Pascucci C See **Levi M**
Pascuzzi RM; Boyko OB; Voelker JL: subdural hematoma in the setting of internal carotid artery occlusion: CT studies, JCAT 1989; **13:** 899
Paserio E See **Ronga G**
Pasquier JM See **Tran-Minh VA**
Pass HI See **Cook JA**
Pass HI See **Doppman JL**
Pass HI See **Feuerstein IM**
Pass HI; Delaney T; Smith PD; et al: bronchoscopic phototherapy at comparable dose rates: early results, (ab), Radiology 1990; **174:** 291
Pass HI; Doppman JL; Nieman L; et al: management of the ectopic ACTH syndrome due to thoracic carcinoids, (ab), Radiology 1991; **179:** 292
Passariello R See **Pavone P**
Passariello R; Pavone P; Patrizio G; et al: liposomes loaded with nonionic contrast media: hepatosplenic computed tomographic enhancement, Invest Radiol 1990; **25:** S92
Pasteels JL See **Hauzeur JP**
Pastore/JO See **Isner JM**
Patat F See **Berson M**
Patay Z See **Tournade A**
Patch GG; Morton KA; Arias JM; et al: naloxone reverses pattern of obstruction of the distal common bile duct induced by analgesic narcotics in hepatobiliary imaging, J Nucl Med 1991; **32:** 1270
Patchefsky AS See **Schwartz GF**
Patchen ML; MacVittie TJ; Weiss JF: combined modality radioprotection: the use of glucan and selenium with WR-2721, Int J Radiat Oncol Biol Phys 1990; **18:** 1069
Pate BD; Snow BJ; Hewitt KA; et al: reproducibility of striatal uptake data obtained with positron emission tomography and fluorine-18-L-6-fluorodopa tracer in non-human primates, J Nucl Med 1991; **32:** 1246
Pate JW; Walker WA; Cole H Jr; et al: spontaneous rupture of the esophagus: a 30-year experience, (ab), Radiology 1990; **174:** 289
Patel A See **Davis SJ**
Patel B See **Chenoweth JL**
Patel B See **Chippindale AJ**
Patel B See **Vas WG**
Patel B; Wolverson MK; Mahanta B: pancreatic transplant rejection: assessment with duplex US, Radiology 1989; **173:** 131
Patel BA See **Grossman SA**
Patel BJ; Chippindale AJ; Gupta SC: case report: small bowel histiocytosis-X, Clin Radiol 1991; **44:** 62
Patel BK; Garvin PJ; Aridge DL; Chenoweth JL; Markivee CR: fluid collections developing after pancreatic transplantation: radiologic evaluation and intervention, Radiology 1991; **181:** 215
Patel BU See **Kline ME**
Patel DV See **Hemmati M**
Patel DV; Neuman MJ; Hier DB: reversibility of CT and MR findings in neuro-Behçet disease, JCAT 1989; **13:** 669
Patel J See **Azouz EM**
Patel KA See **Zuckier LS**
Patel M See **Elkowitz SS**
Patel M See **Friedman L**
Patel M See **Stern MJ**
Patel MC See **Halkar RK**
Patel MM See **Fairbank JT**
Patel N See **Beres RA**
Patel N See **Hans B**
Patel N; Krasnow AZ; Collier BD; et al: pulmonary embolism as an indicator of occult malignancy, Clin Nucl Med 1990; **15:** 841
Patel N; Krasnow AZ; Sebastian JL; et al: isolated muscular sarcoidosis causing fever of unknown origin: the value of gallium-67 imaging, J Nucl Med 1991; **32:** 319
Patel NB See **Parvez Z**
Patel P See **Yaes RJ**
Patel PJ See **Kolawole TM**
Patel PJ See **Mahdi AH**
Patel PJ; Kolawole TM; Ba'Aqueel HS; et al: antenatal sonographic findings of congenital chloride diarrhea, JCU 1989; **17:** 115
Patel RB See **Malouf AJ**
Patel RB See **Ramanathan P**
Patel RG See **Smith HC**
Patel SC See **Quint DJ**
Patel SK See **Cormier P**
Patel SK See **Matalon TAS**
Patel SK See **Salomon CG**
Patel SK See **Smith SM**
Patel U See **Furie DM**
Patel U See **Lee WJ**
Patel U; Furie DM; Lee WJ: CT of infected bladder diverticulum, JCAT 1991; **15:** 498
Patel U; Gupta SC: Wyburn-Mason syndrome: a case report and review of the literature, Neuroradiol 1990; **31:** 544
Patel U; Leonidas JC; Furie DM: sonographic detection in necrotizing enterocolitis in infancy, J Ultrasound Med 1990; **9:** 673
Patel Y See **Rivers SP**
Patel YD See **Zuckier LS**
Patel YD: catheter for conversion of retrograde to antegrade femoral artery catheterization, AJR 1990; **154:** 179
Patel YD: technical development: a modified pigtail catheter for transbrachial aortography, Clin Radiol 1990; **41:** 128
Patel YP See **Savolaine ER**
Paterson RT See **Thomson KR**
Pathria MN See **Abdul-Karim FW**
Pathria MN See **Harwood-Nash DC**
Pathria MN See **Katzenstein PL**
Pathria MN See **Norris MA**
Pathria MN; Blaser SI: diagnostic imaging of craniofacial fractures, Radiol Clin North Am 1989; **27:** 839
Pathria MN; Petersilge CA: spinal trauma, Radiol Clin North Am 1991; **29:** 847
Patrene KD See **Berk LB**
Patrick D See **Dawes PJDK**
Patrick E See **Lewis CA**
Patrick EA; Moskowitz M; Mansukhani VT; et al: expert learning system network for diagnosis of breast calcifications, Invest Radiol 1991; **26:** 534
Patrick LE See **Atkinson GO Jr**
Patrick R See **Ragozzino MW**
Patrick ST; Glowniak JV; Turner FE; et al: comparison of in vitro RBC labeling with the UltraTag® RBC kit versus in vivo labeling, J Nucl Med 1991; **32:** 242
Patriquin H See **Lafortune M**
Patriquin H: Doppler examination of the kidney in infants and children, Urol Radiol 1991; **12:** 220
Patriquin HB; Lefaivre J-F; Lafortune M; et al: fetal lobation: an anatomo-ultrasonographic correlation, J Ultrasound Med 1990; **9:** 191
Patriquin HB; O'Regan S; Robitaille P; Paltiel H: hemolytic-uremic syndrome: intrarenal arterial Doppler patterns as a useful guide to therapy, Radiology 1989; **172:** 625
Patriquin HB; Perreault G; Grignon A; et al: normal portal venous diameter in children, Pediatr Radiol 1990; **20:** 451
Patris A See **Kraemer M**
Patrizio G See **Passariello R**
Patrizio G See **Pavone P**
Patrizio G; Pavone P; Testa A; et al: MR characterization of hepatic lesions by t-null inversion recovery sequence, JCAT 1990; **14:** 96
Patronas N See **Brooks RA**
Patronas N See **Schwankhaus JD**
Patronas NJ See **Doppman JL**
Patronas NJ See **Filling-Katz MR**
Patronas NJ See **Frank JA**
Patronas NJ See **Paakko E**
Patronas NJ See **Schellinger D**
Patrone PM See **Yousem DM**
Patt RH See **Silverman PM**
Patt YZ See **Abdel-Nabi HH**
Patt YZ See **Lamki LM**
Pattarelli P; Pretorius DH; Edwards DK: intrauterine growth retardation mimicking skeletal dysplasia on antenatal sonography, J Ultrasound Med 1990; **9:** 737
Patten P See **Criado FJ**
Patten RM See **Schulte SJ**
Patten RM See **Shuman WP**
Patten RM; Coldwell DM; Ben-Menachem Y: ligamentous compression of the celiac axis: CT findings in five patients, AJR 1991; **156:** 1101
Patten RM; Mack LA; Finberg HJ: unilateral hydrocephalus: prenatal sonographic diagnosis, AJR 1991; **156:** 359
Patten RM; Mack LA; Harvey D; Cyr DR; Pretorius DH: disparity of amniotic fluid volume and fetal size: problem of the stuck twin—US studies, Radiology 1989; **172:** 153
Patten RM; Mack LA; Nyberg DA; Filly RA: twin embolization syndrome: prenatal sonographic detection and significance, Radiology 1989; **173:** 685
Patten RM; Mack LA; Wang KY; et al: fetal genitourinary tract, Radiol Clin North Am 1990; **28:** 115
Patten RM; Shuman WP; Teefey S: metastases from malignant melanoma to the axial skeleton: a CT study of frequency and appearance, AJR 1990; **155:** 109
Patten RM; Shuman WP; Teefey S: subcutaneous metastases from malignant melanoma: prevalence and findings on CT, AJR 1989; **152:** 1009
Patten RM; Vincent LM; Wolner-Hanssen P; et al: pelvic inflammatory disease: endovaginal sonography with laparoscopic correlation, J Ultrasound Med 1990; **9:** 681
Patterson GA See **Herman SJ**
Patterson GA See **Shepherd FA**
Patterson K See **Sivit CJ**
Patterson RB; Fowl RJ; Lubbers DJ; et al: repositioning of partially dislodged Greenfield filters from the right atrium by use of a tip deflection wire, (ab), JVIR 1990; **1:** 135
Patterson RB; Fowl RJ; Lubbers DJ; et al: repositioning of partially dislodged Greenfield filters from the right atrium by use of a tip deflection wire, (ab), Radiology 1991; **178:** 294
Patterson RJ See **Blumberg K**
Patterson RJ; Bisset GS III; Kirks DR; et al: chest radiographs in the evaluation of the febrile infant, AJR 1990; **155:** 833
Patterson SK See **Ellis JH**
Pattinson HA See **Wiseman DA**
Patton AS See **Neff CC**
Patton CS See **Hoskinson JJ**
Patton D See **Bocchini T**
Patton D See **Dunseath R**
Patton D See **Ker M**
Patton DD See **McNeill GC**
Patton DD; Woolfenden JM: utility-based model for comparing the cost-effectiveness of diagnostic studies, Invest Radiol 1989; **24:** 263
Patton JA See **Powers T**
Patton PE See **Thurmond AS**
Paty DW See **Koopmans RA**
Patz S See **Carney CE**
Patz S; Wong STS; Roos MS: missing pulse steady-state free precession, Magn Res Med 1989; **10:** 194

Patzik SB; Smith C; Kubicka RA; Kaizer H: bone marrow transplantation: clinical and radiologic aspects, Radiographics 1991; **11:** 601
Paul AB; Dean DM: computed tomography in volvulus of the midgut, Br J Radiol 1990; **63:** 893
Paul AR See **Coia LR**
Paul HK See **Mahapatra AK**
Paul MH See **Castaneda AR**
Paul PK; O'Byrne E; Blancuzzi V; et al: magnetic resonance imaging reflects cartilage proteoglycan degradation in the rabbit knee, Skeletal Radiol 1991; **20:** 31
Paul R; Ahonen A; Virtama P; et al: F-18 fluorodeoxyglucose: its potential in differentiating between stress fracture and neoplasia, Clin Nucl Med 1989; **14:** 906
Paulat K See **Widder B**
Pauletzki J See **Sackmann M**
Pauli RM See **Langer LO Jr**
Paulin S See **Edelman RR**
Paull DE See **Leitman IM**
Paulos LE See **Franklin JL**
Paulos LE See **Rosenberg TD**
Paulsen KD See **Strohbehn JW**
Paulson DF See **Robertson CN**
Paulson DF; Robertson CN: positive margins: is adjunctive radiation therapy indicated?, Acta Oncol 1991; **30:** 263
Paulson DF; Robertson CN: relevance of stage A malignancy in prostatic cancer, Acta Oncol 1991; **30:** 227
Paulson EK; Jaffe RB: metallic foreign bodies in the stomach: fluoroscopic removal with a magnetic orogastric tube, Radiology 1990; **174:** 191
Paulson GW See **Huber SJ**
Paulus DD: lymphoma of the breast, Radiol Clin North Am 1990; **28:** 833
Paulus W See **Vogl TJ**
Pauly J See **Spielman D**
Pauly JM See **Bergin CJ**
Pauly JM See **Meyer CH**
Paumgartner G See **Heberer G**
Paumgartner G: shock-wave lithotripsy of gallstones, AJR 1989; **153:** 235
Paunicka K See **Albert DA**
Paushter DM See **Desai RK**
Paushter DM See **Desberg AL**
Paushter DM See **Shulak JM**
Paushter DM: role of duplex sonography in the evaluation of sexual impotence, AJR 1989; **153:** 1161
Paushter DM; Zeman RK; Schiebler ML; et al: CT evaluation of suspected hepatic metastases: comparison of techniques for IV contrast enhancement, AJR 1989; **152:** 267
Pauwels P See **Wilms G**
Pauwels S See **Debongnie JC**
Pavelka R See **Gritzmann N**
Pavelock RR See **Cheng EH**
Pavlica P See **Veneziano S**
Pavlina PM See **McCarthy MC**
Pavlosky WF See **Laurin NR**
Pavlosky WF See **Powe JE**
Pavlov H See **Langer LO Jr**
Pavlov H: athletic injuries, Radiol Clin North Am 1990; **28:** 435
Pavlov H: imaging of the foot and ankle, Radiol Clin North Am 1990; **28:** 991
Pavone P See **Di Cesare E**
Pavone P See **Passariello R**
Pavone P See **Patrizio G**
Pavone P; di Cesare E; di Renzi P; et al: abdominal aortic aneurysm evaluation: comparison of US, CT, MRI, and angiography, (ab), JVIR 1990; **1:** 136
Pavone P; Giuliani S; Cardone G; Occhiato R; Di Renzi P; Petroni GA; Buoni C; Passariello R: intraarterial portography with gadopentetate dimeglumine: improved liver-to-lesion contrast in MR imaging, Radiology 1991; **179:** 693
Pavone P; Patrizio G; Buoni C; Tettamanti E; Passariello R; Musu C; Tirone P; Felder E: comparison of Gd-BOPTA with Gd-DTPA in MR imaging of rat liver, Radiology 1990; **176:** 61
Pawlikowska TR See **Kalofonos HP**
Pawlotsky Y See **Frocrain L**
Paxton RJ See **Wong JYC**
Pay NT; Singer WS; Bartal E: hip pain in three children accompanied by transient abnormal findings on MR images, Radiology 1989; **171:** 147
Payan JM See **Chung CJ**
Payan JM See **Martin B**
Payan M-J See **Agostini S**
Payne F See **Worrell JA**
Payne JA See **Fleckenstein JL**
Payne WD See **Coleman CC**
Payne WD See **Letourneau JG**
Payne WD See **Yedlicka JW Jr**
Pazzaglia UE; Beluffi G; Campbell JB; et al: mucolipidosis II: correlation between radiological features and histopathology of the bones, Pediatr Radiol 1989; **19:** 406
Pazzaglia UE; Beluffi G; Danesino C; et al: neonatal mucolipidosis 2. the spontaneous evolution of early bone lesions and the effect of vitamin D treatment: report of two cases, Pediatr Radiol 1989; **20:** 80
Pazzaglia UE; Pedrotti L; Beluffi G; et al: radiographic findings in hereditary multiple exostoses and a new theory of the pathogenesis of exostoses, Pediatr Radiol 1990; **20:** 594
Pea M; Bonetti F; Zamboni G: clear cell tumor and angiomyolipoma (letter), (ab), Radiology 1991; **180:** 293
Peacock WJ; Murovic JA: magnetic resonance imaging in myelocystoceles: report of two cases, (ab), Radiology 1990; **174:** 589
Peakman DJ See **Avery GR**
Peakman DJ See **Lunt LG**
Pearce WH See **Sanders RJ**
Pearce WH; Rutherford RB; Whitehill TA; et al: nuclear magnetic resonance imaging: its diagnostic value in patients with congenital vascular malformations of the limbs, (ab), Radiology 1989; **170:** 292
Pearlberg JL See **Lewis JW Jr**
Pearlberg JL; Sandler MA; Talpos GB; et al: computed tomographic evaluation of intrathoracic thyroid malignancy, Comput Med Imag Graph 1989; **13:** 411
Pearlman JD See **Cline HE**
Pearlman JD; Hardy CJ; Cline HE: continual NMR cardiography without gating: M-mode MR imaging, Radiology 1990; **175:** 369
Pearlman NW See **Norton LW**
Pearlman SH; Rubin P; White HC; et al: fetal hypothalamic transplants into brain irradiated rats: graft morphometry and host behavioral responses, Int J Radiat Oncol Biol Phys 1990; **19:** 293
Pearlson GD; Warren AC; Starkstein SE; et al: brain atrophy in 18 patients with Down syndrome: a CT study, AJNR 1990; **11:** 811
Pearse DB See **Ward BJ**
Pearsen KD; Gean-Marton AD; Levy HL; Davis KR: phenylketonuria: MR imaging of the brain with clinical correlation, Radiology 1990; **177:** 437
Pearson AC See **Aguirre FV**
Pearson AC See **Castello R**
Pearson JD: endothelial cell biology, Radiology 1991; **179:** 9
Pearson M See **Moskovic E**
Pearson MC See **George PJM**
Pearson RH See **Borgstein RL**
Pearson VD See **Moreno AJ**
Pease P See **Gunn TR**
Pechmann U See **Ritschl P**
Peck DC See **Krasnow AZ**
Peck RJ See **Baudouin CJ**
Peck RJ See **Millard FC**
Peck RJ See **Tweed CS**
Peck RJ: ultrasonography of intestinal ascaris, JCU 1990; **18:** 741
Peck WW See **Turner RM**
Peckham M: curriculum in oncology for medical students in Europe, Acta Oncol 1989; **28:** 141
Peckman N See **Coates TL**
Peclet MH See **Sivit CJ**
Pecora MJ; Roubin GS; Cobbs BW Jr; et al: presentation and late outcome of myocardial infarction in the absence of angiographically significant coronary artery disease, (ab), Radiology 1989; **171:** 884
Pecorari A; Weisbrod GL: computed tomography of pseudotumoral pleural fluid collections in the azygoesophageal recess, JCAT 1989; **13:** 803
Peden CJ See **Menon DK**
Peden CJ; Cowan FM; Bryant DJ; et al: proton MR spectroscopy of the brain in infants, JCAT 1990; **14:** 886
Pedersen CM See **Søballe K**
Pedersen F See **Kjøller E**
Pedersen H See **Brems-Dalgaard E**
Pedersen H See **Vestlev PM**
Pedersen H; Gjerris F; Klinken L: malignancy criteria in computed tomography of primary supratentorial tumors in infancy and childhood, Neuroradiol 1989; **31:** 24
Pedersen H; McConnell J; Harwood-Nash DC; et al: computed tomography in intracranial, supratentorial metastases in children, Neuroradiol 1989; **31:** 19
Pedersen HK See **Vatne K**
Pedersen JF See **Øwre A**
Pedersen JF; Mantoni M: prevalence and significance of subchorionic hemorrhage in threatened abortion: a sonographic study, AJR 1990; **154:** 535
Pedersen JO See **Georgsen J**
Pedersen JO See **Rasmussen F**
Pedersen K See **Enlund A**
Pedersen KV See **Varenhorst E**
Pedersen NW See **Schmidt SA**
Pedersen PC See **Nowicki A**
Pedersen T See **Gudmundsen TE**
Pederzini L See **Cerofolini E**
Pedrosa P; Wenda K; Higer HP; et al: bone grafting in total hip replacement: preliminary results with MRI, Eur J Radiol 1989; **9:** 12
Pedrotti L See **Pazzaglia UE**
Peehl D See **Yacoe ME**
Peele VN See **Chen MYM**
Peeling J See **Sutherland G**
Peeling WB See **Clements R**
Peeling WB See **Griffiths GJ**
Peene P See **Wilms G**
Peene P; Lamoral Y; Plas H; et al: resorption of the lateral maxillary incisor: assessment by CT, JCAT 1990; **14:** 427
Peene P; Wilms G; Baert AL: embolization of iatrogenic renal hemorrhage following percutaneous nephrostomy, Urol Radiol 1990; **12:** 84
Peene P; Wilms G; Marchal G; et al: intravascular ultrasonography, a new alternative for the assessment of vascular lesions, Eur J Radiol 1991; **12:** 141
Peene PT See **Wilms GE**
Peer A; Slutzki S; Witz E; et al: transcatheter occlusion of inferior mesenteric arteriovenous fistula: a case report, Cardiovasc Intervent Radiol 1989; **12:** 35
Peer A; Strauss S: percutaneous drainage of postappendectomy abscesses complicated by enteric communication, Cardiovasc Intervent Radiol 1991; **14:** 106
Peet GJ See **Naul LG**
Peeters P See **Beijerinck D**
Peeters PHM; Verbeek ALM; Zielhuis GA; et al: breast cancer screening in women over age 50: a critical appraisal, Acta Radiol 1990; **31:** 225
Peetrons P; Allaer D; Jeanmart L: cysts of the semilunar cartilages of the knee: a new approach by ultrasound imaging: a study of six cases and review of the literature, J Ultrasound Med 1990; **9:** 333
Peevy KJ See **Gremse DA**
Peffley L See **Sistrom CL**
Pei-Gun L See **En-Pee Z**
Peillon C See **Laissy J-P**
Peine CJ; Petersen BT; Williams HJ; et al: extracorporeal shock-wave lithotripsy and methyl *tert*-butyl ether for partially calcified gallstones, (ab), Radiology 1990; **175:** 882
Peirce JC See **Larson JM**
Peiser J See **Hertzanu Y**
Peisner DB See **Farine D**
Peisner DB See **Timor-Tritsch IE**
Peisner DB; Timor-Tritsch IE: discriminatory zone of β-hCG for vaginal probes, JCU 1990; **18:** 280
Peitzman AB See **Moosa HH**
Pejovic MH See **Habrand JL**
Pejovic-Lenfant MH See **Girinski T**
Pejovic-Lenfant MH See **Haie C**
Pekar J See **Le Bihan D**
Pekar J See **Lyon RC**
Pekar J See **Moonen CTW**
Pekar J See **Turner R**
Peker S; Celik H; Eryilmaz M; et al: iohexol CT ventriculogram of multiple cerebral hydatid cysts, AJNR 1991; **12:** 797
Peksayar G See **Alparslan L**
Pelc NJ See **Dumoulin CL**
Pelc NJ See **Enzmann DR**
Pelc NJ See **Farzaneh F**
Pelc NJ See **Lee JN**
Pelc NJ See **Schmalbrock P**
Pelc NJ See **Spritzer CE**
Pelc NJ See **Tsuruda JS**
Pelc NJ; Bernstein MA; Shimakawa A; Glover GH: encoding strategies for three-direction phase-contrast MR imaging of flow, JMRI 1991; **1:** 405
Pèlegrin A See **Buchegger F**
Pelias ME See **Parry SW**
Pelizza A See **Silengo MC**
Pelizza A See **Tomà P**
Pelizzari CA See **Chen GTY**
Pelizzari CA See **Levin DN**
Pelizzari CA; Chen GTY; Spelbring DR; et al: accurate three-dimensional registration of CT, PET, and/or MR images of the brain, JCAT 1989; **13:** 20
Pelkonen P; Ryöppy S; Jääskeläinen J; et al: chronic osteomyelitislike disease with negative bacterial cultures, (ab), Radiology 1989; **172:** 295
Pellae-Cosset B See **Cosset JM**
Pellegrini C See **Hu ZP**
Pellegrini C See **Lutz RW**
Pellegrini CA See **Maroney TP**
Pellegrini V See **Konski A**
Pellegrini V See **Lipton ME**
Pellegrini V; Widdowson DJ: C.T. findings in the Hajdu-Cheney syndrome, Pediatr Radiol 1991; **21:** 304
Pellegrini VD Jr See **Lovelock JE**
Peller PJ See **Jelinek JS**
Peller T See **Kollef MH**
Pelletier J; Milandre L; Péragut JC; et al: intraventricular choroid plexus "arachnoid" cyst: MRI findings, Neuroradiol 1990; **32:** 523
Pellettiere EV See **Reddy S**

Pellicer A; Calatayud C; Miró F; et al: comparison of implantation and early development of human embryos fertilized in vitro versus in vivo using transvaginal ultrasound, J Ultrasound Med 1991; **10:** 31
Pellikka PA; Behrenbeck T; Verani MS; et al: serial changes in myocardial perfusion using tomographic technetium-99m-hexakis-2-methoxy-2-methylpropyl-isonitrile imaging following reperfusion therapy of myocardial infarction, J Nucl Med 1990; **31:** 1269
Pellitteri MR See **Fortier GA**
Pellman C See **Gold PF**
Pelmore JM See **Lamont AC**
Peltier P See **De Faucal P**
Peltier P See **Vuillez J-P**
Pelz DM See **Fox AJ**
Pelz DM See **Lee DH**
Pelz DM See **Munro TG**
Pelzer HJ See **Costantino PD**
Pelzer T See **George KC**
Pemberton JH See **Barkel DC**
Pembrey M See **Phelps PD**
Peñarrocha L See **Muñoz A**
Pence DM; Kim TH; Levitt SH: aneurysm, arachnoiditis and intrathecal Au (gold), Int J Radiat Oncol Biol Phys 1990; **18:** 1001
Pendergrass HP See **James AE Jr**
Pendergrass HP: James Picker (1882–1963): lest we forget!, Radiology 1991; **180:** 871
Pendergrass TW See **Weinberger E**
Pene F See **Schlienger M**
Penev B; Goldner B; Pišteljić D: neurography using the intramuscular injection of ionic iodine contrast media, Neuroradiol 1990; **32:** 316
Peng TCC See **Thomas RL**
Penglis S See **Bannister KM**
Pennaforte J-L; Menanteau B; Etienne J-C: malignant sacrococcygeal teratoma in an adult, J Canad Assoc Radiol 1990; **41:** 229
Pennell DJ See **Kilner PJ**
Pennell DJ; Underwood SR; Longmore DB: detection of coronary artery disease using MR imaging with dipyridamole infusion, JCAT 1990; **14:** 167
Pennell RG See **Fleischer AC**
Pennell RG See **Mitchell DG**
Pennell RG; Needleman L; Pajak T; et al: prospective comparison of vaginal and abdominal sonography in normal early pregnancy, J Ultrasound Med 1991; **10:** 63
Pennes DR See **Buckwalter KA**
Pennes DR See **Helvie MA**
Pennes DR See **O'Mara EM**
Pennes DR See **Rebner M**
Pennes DR: breast immobilization for occult mass aspiration, Radiology 1989; **171:** 286
Pennes DR: shoulder joint: arthrographic CT appearance, Radiology 1990; **175:** 878
Pennes DR; Jonsson K; Buckwalter KA; et al: computed arthrotomography of the shoulder: comparison of examinations made with internal and external rotation of the humerus, AJR 1989; **153:** 1017
Pennes DR; Jonsson K; Buckwalter KA: direct coronal CT of the scaphoid bone, Radiology 1989; **171:** 870
Pennes DR; Louis DS; Fechner K: bone marrow imaging, Radiology 1989; **170:** 894
Penney DP See **Siemann DW**
Penninckx F See **Urbain JL**
Penninckx F; Debruyne C; Lestar B; et al: intraobserver variation in the radiological measurement of the anorectal angle, Gastrointest Radiol 1991; **16:** 73
Pennington E See **Bassett LW**
Pennington E See **Fox SA**
Pennington EC See **Ross CS**
Pennington EC See **Wen B-C**
Pennock JM See **de Vries LS**
Pennock JM See **Graif M**
Pensak ML See **Schwaber MK**
Pentecost MJ See **Levey DS**
Pentecost MJ See **Molgaard CP**
Pentecost MJ See **Spies JB**
Pentecost MJ See **Terasaki KK**
Pentecost MJ See **Weaver FA**
Penter G; Arkell DG: fragmented staghorn calculus: a radiological sign of pyonephrosis, Clin Radiol 1989; **40:** 61
Peppler WW See **Kelcz F**
Peppler WW See **Molloi SY**
Péragut JC See **Pelletier J**
Perales FR See **Marti-Bonmati L**
Perchik JE; Baumgartner BR; Bernardino ME: renal transplant rejection: limited value of duplex Doppler sonography, Invest Radiol 1991; **26:** 422
Percy DF See **Roberts N**
Perec A; Kubo H: use of light-dependent-resistor circuit to remotely reset digital constancy meter, Int J Radiat Oncol Biol Phys 1990; **19:** 483
Peretti P; Raybaud C; Dravet C; et al: magnetic resonance imaging in partial epilepsy of childhood: seventy-nine cases, J Neuroradiol 1989; **16:** 308
Peretti-Viton P See **Margain D**
Peretti-Viton P; Margain D; Arnaud O; et al: primary and secondary lymphomas of the brain: an MRI study, J Neuroradiol 1991; **18:** 173
Peretti-Viton P; Margain D; Murayama N; et al: brain metastases, J Neuroradiol 1991; **18:** 161
Peretti-Viton P; Perez Castillo AM; Martini P; et al: supratentorial ependymomas: neuroradiological study, J Neuroradiol 1991; **18:** 201
Peretti-Viton P; Perez-Castillo AM; Raybaud C; et al: magnetic resonance imaging in gangliogliomas and gangliocytomas of the nervous system, J Neuroradiol 1991; **18:** 189
Peretz T; Nori D; Hilaris B; et al: treatment of primary unresectable carcinoma of the pancreas with I-125 implantation, Int J Radiat Oncol Biol Phys 1989; **17:** 931
Pérez C See **Coscojuela P**
Pérez C See **Llauger J**
Perez C See **Spanos W Jr**
Perez CA See **Fields JN**
Perez CA See **Graham MV**
Perez CA See **Grigsby PW**
Perez CA See **Halverson KJ**
Perez CA See **Keisch ME**
Perez CA See **Kovalic JJ**
Perez CA See **Kuten A**
Perez CA See **Lai PP**
Perez CA See **Lovett RD**
Perez CA See **Marcial-Vega VA**
Perez CA See **Myerson RJ**
Perez CA See **Simpson JR**
Perez CA; Emami BN: clinical trials with local (external and interstitial) irradiation and hyperthermia: current and future perspectives, Radiol Clin North Am 1989; **27:** 525
Perez CA; Gillespie B; Pajak T; et al: quality assurance problems in clinical hyperthermia and their impact on therapeutic outcome: a report by the radiation therapy oncology group, Int J Radiat Oncol Biol Phys 1989; **16:** 551
Perez CA; Slessinger E; Grigsby PW: design of an afterloading vaginal applicator (MIRALVA), Int J Radiat Oncol Biol Phys 1990; **18:** 1503
Pérez CM; Llauger J; Donoso L; Martínez-Noguera A: general case of the day, Radiographics 1991; **11:** 506
Pérez CM; Llauger J; Puig J; et al: computed tomographic findings in bowel ischemia, Gastrointest Radiol 1989; **14:** 241
Perez EA See **Gandara DR**
Perez J See **Berná JD**
Perez LM See **Santos O**
Perez S See **Gooding GAW**
Perez-Atayde A See **Jaramillo D**
Perez-Batallon A See **Pumar JM**
Perez-Castillo AM See **Margain D**
Perez-Castillo AM See **Peretti-Viton P**
Perez-Fontan J See **Pombo F**
Perez-Gil M See **Bonilla-Musoles F**
Pérez-Higueras A See **González-Ruiz CA**
Perez-Tamayo C See **LaRouere J**
Perez-Tamayo C See **Ten Haken RK**
Perich J; Ayuso MC; Vilana R; et al: disseminated lymphatic tuberculosis in acquired immunodeficiency syndrome: computed tomography findings, J Canad Assoc Radiol 1990; **41:** 353
Perignon F See **Argyropoulou M**
Perin EC; Moore W; Blume M; et al: comparison of dipyridamole-echocardiography with dipyridamole-thallium scintigraphy for the diagnosis of myocardial ischemia, Clin Nucl Med 1991; **16:** 417
Perisic VN; Mihailovic T; Tomomasa T; et al: role of the accessory pancreatic duct of Santorini in pancreatic drainage in children (with emphasis of choledochal cyst patients), Pediatr Radiol 1991; **21:** 258
Perkash I See **Baker LL**
Perler BA See **Williams GM**
Perler BA: review of hypercoagulability syndromes: what the interventionalist needs to know, JVIR 1991; **2:** 183
Perler BA; Osterman FA; White RI Jr; et al: percutaneous laser probe femoropopliteal angioplasty: a preliminary experience, (ab), Radiology 1990; **175:** 589
Perler BA; Williams GM: carotid-subclavian bypass: a decade of experience, (ab), JVIR 1991; **2:** 300
Perler BA; Williams GM: carotid-subclavian bypass: a decade of experience, (ab), Radiology 1991; **181:** 294
Perlick E See **Geyer J**
Perlman JM See **Hauft SM**
Perlman JM See **Tack ED**
Perlman JM; Volpe JJ: movement disorder of premature infants with severe bronchopulmonary dysplasia: a new syndrome, (ab), Radiology 1990; **174:** 294
Perlman JM; Volpe JJ: neurologic complications of captopril treatment of neonatal hypertension, (ab), Radiology 1989; **172:** 887
Perlman S See **Cox F**
Perlman SB See **Mehta RC**
Perlmutt LM; Johnston WW; Dunnick NR: percutaneous transthoracic needle aspiration: a review, AJR 1989; **152:** 451
Perlmutter AD See **Shapiro E**
Perlmutter GS See **Sacks D**
Perlmutter NS; Wilson RA; Angello DA; et al: ribose facilitates thallium-201 redistribution in patients with coronary artery disease, J Nucl Med 1991; **32:** 193
Perman WH See **Foo TKF**
Perman WH See **Mirowitz SA**
Perman WH See **Vannier MW**
Perman WH; Bernstein MA; Sandstrom JC: method for correctly setting the rf flip angle, Magn Res Med 1989; **9:** 16
Perman WH; Thomasson DM; Bernstein MA; et al: multiple short-echo (2.5-ms) quantitation of *in vivo* sodium T2 relaxation, Magn Res Med 1989; **9:** 153
Permanetter W See **Heywang SH**
Perneczky A See **Müller-Forell W**
Pernicone JR; Siebert JE; Potchen EJ; et al: three-dimensional phase-contrast MR angiography in the head and neck: preliminary report, AJNR 1990; **11:** 457
Pernicone JR; Siebert JE; Potchen EJ; et al: three-dimensional phase-contrast MR angiography in the head and neck: preliminary report, AJR 1990; **155:** 167
Pernot C; Simon P; Hoeffel JC; et al: systemic artery-pulmonary vein fistula without sequestration, Pediatr Radiol 1991; **21:** 158
Perone RW See **Davis SD**
Pérot S See **Milandre L**
Perovic S See **Osmak M**
Perreault G See **Patriquin HB**
Perrella RR See **Duerinckx AJ**
Perrella RR See **Grant EG**
Perrella RR See **Kaveggia LP**
Perrella RR See **Lois JF**
Perrella RR See **Ragavendra N**
Perrella RR See **Tessler FN**
Perrin JM See **Corot C**
Perrin RC See **Grosman H**
Perring S; Hunt TM; Fleming JS; et al: automated measurement of tumour extent in patients with colorectal liver metastases from x-ray computed tomography, Br J Radiol 1991; **64:** 494
Perrotta F See **Fasanelli S**
Perry A See **McIvor J**
Perry DJ See **King JB**
Perry EH; Bada HS; Ray JD; et al: blood pressure increases, birth weight-dependent stability boundary, and intraventricular hemorrhage, (ab), Radiology 1990; **177:** 599
Perry JJ See **Buetow PC**
Perry JJ See **Jelinek JS**
Perry LW See **Martin GR**
Perry PM See **Nias AHW**
Perry RD; Parker GD; Hallinan JM: CT and MR imaging of fourth ventricular meningiomas, JCAT 1990; **14:** 276
Perry RR; Nieman LK; Cutler GB Jr; et al: primary adrenal causes of Cushing's syndrome: diagnosis and surgical management, (ab), Radiology 1990; **175:** 296
Perry SB See **Kohler SJ**
Persad RA See **Kabala JE**
Pershagen G See **Svensson C**
Persky MS See **Rothstein SG**
Persson B: relation of size and number of common duct calculi to success of sphincterotomy and stone extraction, Gastrointest Radiol 1991; **16:** 212
Persson B; Olsson J: variations of common bile duct diameter after endoscopic sphincterotomy, Gastrointest Radiol 1991; **16:** 45
Persson BG; Jeppsson B; Ekberg H; et al: repeated dearterialization of hepatic tumors with an implantable occluder, (ab), JVIR 1991; **2:** 298
Persson BRR See **Blad B**
Persson I: hormone replacement therapy and the risk of endometrial cancer: a summary, Acta Oncol 1989; **28:** 583
Persson K See **Duvernoy O**
Persutte WH: second trimester hyperechogenicity in the lower abdomen of two fetuses with trisomy 21: is there a correlation?, JCU 1990; **18:** 425
Persutte WH; Lenke RR: disappearing fetal umbilical cord masses: are these findings suggestive of urachal anomalies?, J Ultrasound Med 1990; **9:** 547
Persutte WH; Lenke RR; DeRosa RT: prenatal ultrasonographic appearance of the agnathia malformation complex, J Ultrasound Med 1990; **9:** 725
Persutte WH; Yeasting RA; Lenke RR; et al: prenatal ultrasonographic appearance of "agenesis" of the ductus arteriosus and pulmonic valve hypoplasia: a case report and review of the embryogenesis, J Ultrasound Med 1990; **9:** 541

Perugini S See **Masala W**
Perusek M See **Ghiatas AA**
Perusek MC See **Horowitz DR**
Perussi JR; Costa FF; Baffa O; et al: ESR study of pathologic red blood cell membranes (RBCM), Magn Res Med 1990; **16:** 132
Pery M See **Alon U**
Pery M; Adler OB; Kaftori JK: retroperitoneal–pericardial fistula caused by a perinephric abscess, Urol Radiol 1990; **12:** 22
Pery M; Rosenberger A; Kaftori JK: ultrasonographic detection of plastic materials in various organs of the human body, JCU 1989; **17:** 489
Pery M; Rosenberger A; Kaftori JK; Vardi Y: intracorporeal calcifications after self-injection of papaverine, Radiology 1990; **176:** 81
Pescarmona E; Rendina EA; Venuta F; et al: analysis of prognostic factors and clinicopathological staging of thymoma, (ab), Radiology 1991; **179:** 589
Peschel RE See **Dowling SW**
Peshock RM See **Erdman WA**
Peshock RM See **Faber TL**
Peshock RM See **Fleckenstein JL**
Pet LR See **Harris RD**
Petasnick JP See **Turner DA**
Petasnick JP: radiologic evaluation of aortic dissection, Radiology 1991; **180:** 297
Peterdy AE: indium-111 WBC imaging in a pericardial abscess, Clin Nucl Med 1989; **14:** 541
Peterkin GA; LaMorte WW; Menzoian JO: runoff resistance and early graft failure in intrainguinal bypass surgery, (ab), Radiology 1989; **171:** 886
Peterman SB See **Davis PC**
Peters AM See **Gordon I**
Peters AM See **MacSweeney JE**
Peters AM See **Stuttle AWJ**
Peters AM: imaging with white cells, Clin Radiol 1989; **40:** 453
Peters AM: recent advances and future projections in clinical radionuclide imaging, Br J Radiol 1990; **63:** 411
Peters AM; Gordon I: case report: multiple congenital abnormalities indentifiable on $^{99}Tc^{m}$ HIDA scan, Clin Radiol 1989; **40:** 629
Peters AM; Gordon I; Kaiser AM; et al: spontaneous abrupt changes in the distribution of ventilation: a cause for apparent mismatching on ventilation/perfusion scintigraphy, Br J Radiol 1989; **62:** 536
Peters AM; Morony S; Gordon I: indirect radionuclide cystography demonstrates reflux under physiological conditions, Clin Radiol 1990; **41:** 44
Peters CA See **Benacerraf BR**
Peters CA See **Mandell J**
Peters GE See **Weppelmann B**
Peters GN See **Mootz AR**
Peters I See **Günther RW**
Peters KR See **Quisling RG**
Peters LJ See **Ang KK**
Peters LJ See **Milas L**
Peters LJ See **Morrison WH**
Peters LJ See **Sherman NE**
Peters LJ See **Wendt CD**
Peters M See **Ash J**
Peters ME See **Tu RK**
Peters MJ See **Shuman WP**
Peters PE See **Erlemann R**
Peters PE See **Wernecke K**
Peters RA II See **Thomas JG**
Peters VJ See **Redd RA**
Petersen BD See **Rösch J**
Petersen BT See **Peine CJ**
Petersen D See **Klose U**
Petersen IA See **Dunphy EP**
Petersen IA See **Kapp DS**
Petersen IA; Kapp DS: local hyperthermia and radiation therapy in the retreatment of superficially located recurrences in Hodgkin's disease, Int J Radiat Oncol Biol Phys 1990; **18:** 603
Petersen IA; Kriss JP; McDougall IR; et al: prognostic factors in the radiotherapy of Graves' ophthalmopathy, Int J Radiat Oncol Biol Phys 1990; **19:** 259
Petersen J See **Larsson HBW**
Petersen M: radionuclide detection of primary pulmonary osteogenic sarcoma: a case report and review of the literature, J Nucl Med 1990; **31:** 1110
Petersen M; Keeling CA; McDougall IR: hyperthyroidism with low radioiodine uptake after head and neck irradiation for Hodgkin's disease, J Nucl Med 1989; **30:** 255
Petersen MM See **Klonecke AS**
Petersen RC See **Jack CR Jr**
Petersilge CA See **Pathria MN**
Peterson C See **Hill LM**
Peterson CS See **Belfar HL**
Peterson CV Jr See **Treiger BFG**
Peterson GW See **Smith DC**
Peterson JE See **Nelson RC**
Peterson KK; Renfrew DL; Feddersen RM; et al: magnetic resonance imaging of myxoid containing tumors, Skeletal Radiol 1991; **20:** 245
Peterson MW See **Jolles H**
Peterson MW See **Nugent KM**
Peterson NE; Silverman A; Campbell JB: eosinophilic cystitis and coexistent eosinophilic gastroenteritis in an infant, Pediatr Radiol 1989; **19:** 484
Peterson RA See **DeNardi F**
Peterson RA See **Millward SF**
Peterson SA See **Weber WN**
Petit J See **Martin J**
Petitpretz P See **Rosso J**
Petracca FM See **Ko GN**
Petrek J See **Werner RS**
Petrelli M See **Marmolya G**
Petrikovsky BM; Shmoys S: fetal hydrocele: a persistent finding?, Pediatr Radiol 1990; **20:** 362
Petrikovsky BM; Vintzileos AM; Rodis JF: sonographic appearance of occipital fetal hair, JCU 1989; **17:** 425
Petrillo R See **Savoiardo M**
Petrillo R; Balzarini L; Bidoli P; et al: esophageal squamous cell carcinoma: MRI evaluation of mediastinum, Gastrointest Radiol 1990; **15:** 275
Petroni GA See **Pavone P**
Petronis J See **Eisner DJ**
Petronis J: renal imaging findings in renal vein thrombosis: a note of caution, Clin Nucl Med 1990; **14:** 654
Petronis J: sequential ventilation/perfusion imaging of massive pulmonary embolism treated with recombinant tissue plasminogen activator, Clin Nucl Med 1990; **15:** 150
Petros JA; Andriole GL; Middleton WD; et al: correlation of testicular color Doppler ultrasonography, physical examination and venography in the detection of left varicoceles in men with infertility, (ab), Radiology 1991; **181:** 293
Petrovich Z; Langholz B; Gibbs FA; et al: regional hyperthermia for advanced tumors: a clinical study of 353 patients, Int J Radiat Oncol Biol Phys 1989; **16:** 601
Petrovitch JA; Ross DS; Sullivan JW; et al: mammographic wire localization in diagnosis and treatment of occult carcinoma of the breast, (ab), Radiology 1989; **172:** 884
Pettegrew JW; Panchalingam K; Moossy J; et al: correlation of phosphorus-31 magnetic resonance spectroscopy and morphologic findings in Alzheimer's disease, (ab), Radiology 1989; **171:** 886
Pettengell K; Garb M; Houlder A; et al: radionuclide scintigraphy in tuberculous enteritis, Gastrointest Radiol 1990; **15:** 148
Pettersson B See **Tiselius HG**
Pettersson H See **Herrlin K**
Pettersson U See **Hagberg H**
Petti PL See **Castro JR**
Petti PL See **Nowakowski VA**
Pettigrew R See **Youker JE**
Pettigrew RI: dynamic cardiac MR imaging: techniques and applications, Radiol Clin North Am 1989; **27:** 1183
Pettigrew RI: dynamic magnetic resonance imaging in acquired heart disease, Semin US CT MR 1991; **12:** 61
Pettit SE See **Miller MW**
Pettit WA See **Seabold JE**
Peuchot M See **Eftekhari F**
Peuchot M See **Lorigan JG**
Peuchot M See **Shirkhoda A**
Pevarski DR See **Gay SB**
Pevsner PH See **Yakes WF**
Pexman JHW; Wriedt CHR; Richard TC; et al: improvement of cervicocranial IV digital subtraction angiography with pixel remasking and cardiac gating, AJNR 1989; **10:** S86
Peycelon P See **Maublant JC**
Peyster RG See **Gean-Marton AD**
Pezim ME See **Barkel DC**
Pezner RD; Horak DA; Sayegh HO; et al: spontaneous pneumothorax in patients irradiated for Hodgkin's disease and other malignent lymphomas, Int J Radiat Oncol Biol Phys 1990; **18:** 193
Pezner RD; Lipsett JA; Forell B; et al: reverse hockey stick technique: postmastectomy radiation therapy for breast cancer patients with locally advanced tumor presentation or extensive loco-regional recurrence, Int J Radiat Oncol Biol Phys 1989; **17:** 191
Pezzella AT See **Waite RJ**
Pezzulli FA; Aronson D; Goldberg N: computed tomography of mediastinal hematoma secondary to unusual esophageal laceration: a Boerhaave variant, JCAT 1989; **13:** 129
Pfannschmidt J; Jorch G: transfontanelle pulsed Doppler measurement of blood flow velocity in the internal jugular vein, straight sinus, and internal cerebral vein in preterm and term neonates, Ultrasound Med Biol 1989; **15:** 9
Pfeffer MR; Teicher BA; Holden SA; et al: interaction of cisplatin plus etoposide with radiation ± hyperthermia, Int J Radiat Oncol Biol Phys 1990; **19:** 1439
Pfeffer S; Molina E; Feuillan P; et al: McCune-Albright syndrome: the patterns of scintigraphic abnormalities, J Nucl Med 1990; **31:** 1474
Pfefferbaum A See **Lim KO**
Pfeiffer EA See **Burnett CM**
Pfeiffer P See **Olsen NK**
Pfeiffer P; Hansen O; Madsen EL; et al: prospective pilot study on the effect of sucralfate mouth-swishing in reducing stomatitis during radiotherapy of the oral cavity, Acta Oncol 1990; **29:** 471
Pfeiffer P; Madsen EL; Hansen O; et al: effect of prophylactic sucralfate suspension on stomatitis induced by cancer chemotherapy: a randomized, double-blind cross-over study, Acta Oncol 1990; **29:** 171
Pfeiffer P; Mogensen H; Amtrup F; et al: primary carcinoma of the fallopian tube: a retrospective study of patients reported to the Danish Cancer Registry in a five-year period, Acta Oncol 1989; **28:** 7
Pfister DG See **Harrison LB**
Pfister P See **Sebag G**
Pfister RC See **Papanicolaou N**
Pfister RC See **Silverman SG**
Pfister RC See **Tung GA**
Pfister RG See **Ferris EJ**
Pfleiderer AG See **Moore NR**
Pflugfelder PW See **O'Neill BJ**
Pflugfelder PW; Landzberg JS; Cassidy MM; et al: comparison of cine MR imaging with Doppler echocardiography for the evaluation of aortic regurgitation, AJR 1989; **152:** 729
Pfyffer M See **Zollikofer CL**
Phadke RV; Taori KB; Divekar VK; et al: fibromuscular dysplasia of common carotid artery: a case report, Australas Radiol 1990; **34:** 350
Phatak MG; Frank SJ; Horowitz AL; Iwanik DO; Chandrasekhar H: reversal of tumor location on MR images, Radiology 1990; **175:** 283
Phelan E See **de Campo JF**
Phelps DL See **Sinkin RA**
Phelps ME See **Brunken RC**
Phelps ME See **Chan SY**
Phelps PD See **Clifton AG**
Phelps PD See **Cook JV**
Phelps PD See **Ng YY**
Phelps PD: glomus tumours of the ear: an imaging regime, Clin Radiol 1990; **41:** 301
Phelps PD; Annis JAD; Robinson PJ: imaging for cochlear implants, Br J Radiol 1990; **63:** 512
Phelps PD; Reardon W; Pembrey M; et al: X-linked deafness, stapes gushers and a distinctive defect of the inner ear, Neuroradiol 1991; **33:** 326
Phelps PD; Wright A: imaging cholesteatoma, Clin Radiol 1990; **41:** 156
Philbrick JT; Becker DM: calf deep venous thrombosis: a wolf in sheep's clothing?, (ab), Radiology 1989; **171:** 885
Philie M See **Lafortune M**
Philip AGS; Allan WC; Tito AM; et al: intraventricular hemorrhage in preterm infants: declining incidence in the 1980s, (ab), Radiology 1990; **175:** 887
Philip C See **Bruneton J-N**
Philips RL: radiology of cystic liver tumours, Australas Radiol 1989; **33:** 66
Phillips BA See **Woodring JH**
Phillips CD See **Gay SB**
Phillips CD See **Williamson BRJ**
Phillips CJ; Müller NL; Miller RR; et al: large calcified pleural-based mass in the left hemithorax, J Canad Assoc Radiol 1990; **41:** 232
Phillips D See **Hayes E**
Phillips DA See **Ashenburg RJ**
Phillips DJ See **Beach KW**
Phillips DJ See **Schrank E**
Phillips DJ; Beach KW; Primozich J; et al: should results of ultrasound Doppler studies be reported in units of frequency or velocity?, Ultrasound Med Biol 1989; **15:** 205
Phillips DJ; Hossack J; Beach KW; et al: testing ultrasonic pulsed Doppler instruments with a physiologic string phantom, J Ultrasound Med 1990; **9:** 429
Phillips GWL See **Choong M**
Phillips GWL See **Choong MK**
Phillips GWL; Choong M: case report: chondrosarcoma presenting as an anterior mediastinal mass, Clin Radiol 1991; **43:** 63
Phillips GWL; Chou ST; Mulhauser J: papillary cystic tumour of the pancreas: findings at computed tomography and ultrasound, Br J Radiol 1991; **64:** 367
Phillips JD See **Stelzner M**
Phillips JJ See **Koci TM**
Phillips JJ See **Rubin RT**

Phillips JJ See **Sklar DH**
Phillips ME; Ryals TJ; Kambhu SA; et al: neoplastic vs inflammatory meningeal enhancement with Gd-DTPA, JCAT 1990; **14:** 536
Phillips MH See **Lyman JT**
Phillips MH; Frankel KA; Lyman JT; et al: comparison of different radiation types and irradiation geometries in stereotactic radiosurgery, Int J Radiat Oncol Biol Phys 1990; **18:** 211
Phillips MH; Frankel KA; Lyman JT; et al: heavy charged-particle stereotactic radiosurgery: cerebral angiography and CT in the treatment of intracranial vascular malformations, Int J Radiat Oncol Biol Phys 1989; **17:** 419
Phillips MH; Kessler M; Chuang FYS; et al: image correlation of MRI and CT in treatment planning for radiosurgery of intracranial vascular malformations, Int J Radiat Oncol Biol Phys 1991; **20:** 881
Phillips PC See **O'Tuama LA**
Phillips PS See **Herring FG**
Phillips PS; Herring FG: is the detection of fucose cancer markers by 2D ^{1}H NMR unequivocal?, Magn Res Med 1990; **15:** 1
Phillips R See **Kennedy C**
Phillips RKS See **Spigelman AD**
Phillips S See **Rosen L**
Phillips TF See **Sclafani SJA**
Phillips TL See **Dewhirst MW**
Phillips TL See **Diener-West M**
Phillips TL See **Fu KK**
Phillips TL See **Gutin PH**
Phillips TL See **Komarnicky LT**
Phillips TL See **Linstadt DE**
Phillips TL See **Nowakowski VA**
Phillips TL See **Wasserman TH**
Phillips TL; Bodell WJ; Uhl V; et al: correlation of exposure time, concentration and incorporation of IdUrd in V-79 cells with radiation response, Int J Radiat Oncol Biol Phys 1989; **16:** 1251
Phillips TL; Levin VA; Ahn DK; et al: evaluation of bromodeoxyuridine in glioblastoma multiforme: a Northern California Cancer Center phase II study, Int J Radiat Oncol Biol Phys 1991; **21:** 709
Phillips TL; Mitchell JB; DeGraff WG; et al: modification of SR 2508 sensitization in hypoxic V79 cells by manipulation of glutathione levels, Int J Radiat Oncol Biol Phys 1989; **16:** 1335
Phillips W See **Bergh JR**
Phillips WC See **Kattapuram SV**
Phillips WC Jr; Scott JA: medical decision making: practical points for practicing radiologists, AJR 1990; **154:** 1149
Phillips WT; Schwartz JG; Blumhardt R; et al: linear gastric emptying of hyperosmolar glucose solutions, J Nucl Med 1991; **32:** 377
Phillipson J See **Johnson JO**
Philpot EF See **Jain SP**
Photon Treatment Planning Collaborative Working Group: clinical three-dimensional treatment planning studies: a prologue, Int J Radiat Oncol Biol Phys 1991; **21:** 165
Photon Treatment Planning Collaborative Working Group: evaluation of high energy photon external beam treatment planning: project summary, Int J Radiat Oncol Biol Phys 1991; **21:** 3
Photon Treatment Planning Collaborative Working Group: role of inhomogeneity corrections in three-dimensional photon treatment planning, Int J Radiat Oncol Biol Phys 1991; **21:** 59
Photon Treatment Planning Collaborative Working Group: state-of-the-art of external photon beam radiation treatment planning, Int J Radiat Oncol Biol Phys 1991; **21:** 9
Photon Treatment Planning Collaborative Working Group: three-dimensional display in planning radiation therapy: a clinical perspective, Int J Radiat Oncol Biol Phys 1991; **21:** 79
Photon Treatment Planning Collaborative Working Group: three-dimensional dose calculations for radiation treatment planning, Int J Radiat Oncol Biol Phys 1991; **21:** 25
Piacenza G See **Ratto GB**
Piantadosi S See **North CA**
Piao ZE See **Hwang MH**
Piazza P See **Bassi P**
Piazza P; Bettoni L; Bortone E; et al: MR findings in Meige syndrome, JCAT 1989; **13:** 116
Piazza SJ See **Hayes WC**
Picano E See **Ferdeghini EM**
Picard A See **Schouman-Claeys E**
Picard D See **Recoskie MJ**
Picard D See **Ton-That QT**
Picard D; Infante-Rivard C; Villeneuve J-P; et al: extrahepatic uptake of technetium-99m-phytate: a prognostic index in patients with cirrhosis, J Nucl Med 1990; **31:** 436
Picard L See **Bracard S**
Picard L; Bracard S; Islak C; et al: dural fistulae of the tentorium cerebelli: radioanatomical, clinical and therapeutic considerations, J Neuroradiol 1990; **17:** 161
Picard M See **Recoskie MJ**
Picard M See **Vallabhajosula S**
Picard MH; Dennis C; Schwartz RG; et al: cost-benefit analysis of early return to work after uncomplicated acute myocardial infarction, (ab), Radiology 1990; **174:** 588
Picci P See **Bertoni F**
Picci P See **Bettelli G**
Piccone MR See **Montecalvo RM**
Piccorelli GO See **Babu SC**
Pichard AD See **Hamad N**
Pichl J See **Lang C**
Pichler W See **Lechner GL**
Pickens DR III See **Lorenz CH**
Pickens J See **Tully RJ**
Pickering TG: renovascular hypertension: etiology and pathophysiology, Semin Nucl Med 1989; **19:** 79
Pickleman J See **Olen R**
Picus D See **Bower BL**
Picus D See **Darcy MD**
Picus D See **Heiken JP**
Picus D See **Hicks ME**
Picus D See **Lang EV**
Picus D See **Rollins ES**
Picus D See **Surratt RS**
Picus D: angiography in the 1990s: diagnosis and therapy, Radiology 1990; **175:** 33
Picus D: intracorporeal biliary lithotripsy, Radiol Clin North Am 1990; **28:** 1241
Picus D: percutaneous gallbladder intervention, Radiology 1990; **176:** 5
Picus D; Hicks ME; Darcy MD; Kleinhoffer MA: comparison of nonsubtracted digital angiography and conventional screen-film angiography for the evaluation of patients with peripheral vascular disease, JVIR 1991; **2:** 359
Picus D; Marx MV; Hicks ME; Lang EV; Edmundowicz SA: percutaneous cholecystolithotomy: preliminary experience and technical considerations, Radiology 1989; **173:** 487
Picus D; Weyman PJ; Marx MV: role of percutaneous intracorporeal electrohydraulic lithotripsy in the treatment of biliary tract calculi: work in progress, Radiology 1989; **170:** 989
Picus DD See **Middleton WD**
Piechocki M See **Filipczyński L**
Piepenburg KE: etiology and pathophysiology of pyelonephritis, Radiology 1991; **180:** 718
Piepenburg KE: sinusitis, Radiology 1991; **181:** 688
Pieper KS See **Berry JJ**
Pieper KS See **Davidson CJ**
Piepsz A See **Denays R**
Piepsz A See **Ham HR**
Piepsz A; Dobbeleir A; Ham HR: effect of background correction on separate technetium-99m-DTPA renal clearance, J Nucl Med 1990; **31:** 430
Pierallini A See **Bastianello S**
Pierce ME; Sewell R: identification of hepatic cirrhosis by duplex Doppler ultrasound: value of the hepatic artery resistive index, Australas Radiol 1990; **34:** 331
Pierce WB; Harms SE; Flamig DP; Griffey RH; Evans WP; Hagans JE: three-dimensional gadolinium-enhanced MR imaging of the breast: pulse sequence with fat suppression and magnetization transfer contrast. work in progress, Radiology 1991; **181:** 757
Pierce WS See **Davis PK**
Pieri P See **Yasuda T**
Pieri P; Abraham SA; Katayama H; et al: thallium-201 myocardial scintigraphy: single injection, re-injection, or 24-hour delayed imaging?, J Nucl Med 1990; **31:** 1390
Pieri P; Fischman AJ; Ahmad M; et al: cardiac blood-pool scintigraphy in rats and hamsters: comparison of five radiopharmaceuticals and three pinhole collimator apertures, J Nucl Med 1991; **32:** 851
Pierot L See **Martin N**
Pierot L See **Missir O**
Pierot L; Chiras J; Debussche-Depriester C; et al: intracerebral stenosing arteriopathies: contribution of three radiological techniques to the diagnosis, J Neuroradiol 1991; **18:** 32
Pierragi MT See **Rousseau HP**
Pierre E See **Hoeffel JC**
Pierro JA; Soleimanpour M; Bory JL: left retrocaval ureter associated with left inferior vena cava, AJR 1990; **155:** 545
Pierro L; Capoferri C; Brancato R: early ultrasonographic diagnosis of hereditary retinoblastoma, Pediatr Radiol 1991; **21:** 137
Piers DA See **de Lange MJ**
Piers DA See **Hovinga TKK**
Pietilä J See **Kinnunen J**
Pietilä JA; Bondestam S; Härtel GJ; et al: assessment of colonic water retention prior to double-contrast enema, Gastrointest Radiol 1990; **15:** 164
Pietilä JA; Kinnunen J; Lindén H: cleansing enema: how many for a good quality double-contrast enema?, Acta Radiol 1990; **31:** 489
Pietra GG: pathologic mechanisms of drug-induced lung disorders, J Thorac Imag 1991; **6-1:** 1
Pietra GG: pathology of carcinoma of the lung, Semin Roentgenol 1990; **25:** 25
Pietrabissa A See **Michelassi F**
Pietras RJ; Wolfkiel CJ; Veselik K; et al: validation of ultrafast computed tomographic left ventricular volume measurement, Invest Radiol 1991; **26:** 28
Pietron K See **Kozlowski K**
Pietrzyk U; Herholz K; Heiss W-D: three-dimensional alignment of functional and morphological tomograms, JCAT 1990; **14:** 51
Pietschmann P See **Resch H**
Piette JC See **Chapelon C**
Pignatti G See **Present D**
Pignatti G; Mignani G; Bacchini P; et al: case report 590, Skeletal Radiol 1990; **19:** 65
Pignatti G; Nigrisoli M: case report 537, Skeletal Radiol 1989; **18:** 225
Piguet J-C See **Schneider P-A**
Pihlstedt P See **Wersäll P**
Pijlman BM; de Koning WB; Wladimiroff JW; et al: detection of fetal structural malformations by ultrasound in insulin-dependent pregnant women, Ultrasound Med Biol 1989; **15:** 541
Pijpers L; Reuss A; Stewart PA; et al: fetal cystic hygroma: prenatal diagnosis and management, (ab), Radiology 1989; **170:** 586
Pike GB See **Podgorsak EB**
Pike MC See **Fischman AJ**
Pikkarainen P See **Partanen K**
Pilbrow WJ; Brownless SM; Cawood JI; et al: salivary gland scintigraphy—a suitable substitute for sialography?, Br J Radiol 1990; **63:** 190
Pilepich MV See **Asbell SO**
Pilepich MV See **Pao WJ**
Pilepich MV; Jones KG; Emami BN; et al: interaction of bleomycin and hyperthermia—results of a clinical pilot study, Int J Radiat Oncol Biol Phys 1989; **16:** 211
Pilepich MV; Krall JM; John MJ; et al: hormonal cytoreduction in locally advanced carcinoma of the prostate treated with definitive radiotherapy: preliminary results of RTOG 83-07, Int J Radiat Oncol Biol Phys 1989; **16:** 813
Pile-Spellman E See **Shin JH**
Pile-Spellman EA See **Schaefer CM**
Pile-Spellman ER See **Homer MJ**
Pile-Spellman ER See **Schaefer CM**
Pilger E See **Lammer J**
Pilgram TK See **Vannier MW**
Pilgram TK; Vannier MW: measuring the quality of radiologic research, Radiology 1989; **172:** 286
Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH: craniosynostosis: image quality, confidence, and correctness in diagnosis, Radiology 1989; **173:** 675
Pilgrim P See **deSouza NM**
Pillai MR; Balaram P; Padmanabhan TK; et al: interleukin 2 and alpha interferon induced in vitro modulation of spontaneous cell mediated cytotoxicity in patients with cancer of the uterine cervix undergoing radiotherapy, Acta Oncol 1989; **28:** 39
Pilling D See **Bradley MJ**
Pilling DW See **Thind CR**
Pilling DW See **Widdowson DJ**
Pilling JR See **Udwadia ZF**
Pilu GL See **Goldstein I**
Pinamonti B See **Ferdeghini EM**
Pinckney LE See **Collins DL**
Pinckney LE See **Lang EV**
Pineda-Albornoz A See **Jimenez-Heffernan A**
Pineiro-Carrero VM; Andres JM: morbidity and mortality in children with pyogenic liver abscess, (ab), Radiology 1990; **175:** 887
Pinero SS See **Goodman P**
Ping TK See **Yee CW**
Pinkerton CA See **Waller BF**
Pinkerton R See **Hamilton CR**
Pinkus GS See **O'Hara CJ**
Pinsard N See **Mancini J**
Pinsk R See **Murphy TP**
Pinstein ML; Sebes JI; Leventhal M; et al: case report 579, Skeletal Radiol 1989; **18:** 603
Pintar F See **Nowicki BH**
Pinto I See **Ramos A**
Pinto LHJ; Canary PCV; Araújo CMM; et al: prospective randomized trial comparing hyperfractionated versus conventional radiotherapy in stages III and IV oropharyngeal carcinoma, Int J Radiat Oncol Biol Phys 1991; **21:** 557
Pinto RGW See **Vernekar JA**

Pinto RP See **Waller BF**
Pinto RS See **Goldsher D**
Pinto RS See **Horner NB**
Pinto RS See **Litt AW**
Pinto RS; Robbins E; Seidenwurm D: thrombogenicity of Teflon versus copolymer-coated guidewires: evaluation with scanning electron microscopy, AJNR 1989; **10:** 407
Pinzon JL; Burrows PE; Benson LN; Moës CAF; Lightfoot NE; Williams WG; Freedom RM: repair of coarctation of the aorta in children: postoperative morphology, Radiology 1991; **180:** 199
PIOPED Investigators: value of the ventilation/perfusion scan in acute pulmonary embolism: results of the prospective investigation of pulmonary embolism diagnosis (PIOPED), (ab), Radiology 1990; **177:** 596
Pipe JG See **Chenevert TL**
Pipe JG; Boes JL; Chenevert TL: method for measuring three-dimensional motion with tagged MR imaging, Radiology 1991; **181:** 591
Pipe JG; Chenevert TL: progressive gradient moment nulling design technique, Magn Res Med 1991; **19:** 175
Piper JM See **Griffin MR**
Piper MA See **Schellhas KP**
Piraino D; Richmond B; Freed H; et al: total knee replacement: radiologic findings in failure of porous-coated metal-backed patellar component, AJR 1990; **155:** 555
Piraino DW See **Wegryn SA**
Pircon RA; Porto M; Towers CV; et al: ultrasound findings in pregnancies complicated by fetal triploidy, J Ultrasound Med 1989; **8:** 507
Pires M See **Winer JB**
Pirinen A See **Väätäinen U**
Pirnar T See **Kovanlikaya I**
Pirro JP See **Roizin-Towle L**
Pirsch JD See **Kelcz F**
Pisani P See **Morosi C**
Pisani R See **Ruelle A**
Pisani RJ; DeRemee RA: clinical implications of the histopathologic diagnosis of pulmonary lymphomatoid granulomatosis, (ab), Radiology 1990; **176:** 887
Pisani RJ; Rosenow EC III: pulmonary edema associated with tocolytic therapy, (ab), Radiology 1990; **174:** 290
Pisano ED; Hall FM: preoperative localization of inferior breast lesions, AJR 1989; **153:** 272
Pisarchick J See **Rifkin MD**
Pisciotta VJ See **Schwade JG**
Pisco JM; Martins JM; Correia MG: internal iliac artery: embolization to control hemorrhage from pelvic neoplasms, Radiology 1989; **172:** 337
Piske RL See **Uflacker R**
Pison CF See **Levin DP**
Pišteljić D See **Penev B**
Pistoia F; Horton JA; Sekhar L; et al: imaging of blood flow changes following angioplasty for treatment of vasospasm, AJNR 1991; **12:** 446
Pistoia F; Johnson DW; Darby JM; et al: role of xenon CT measurements of cerebral blood flow in the clinical determination of brain death, AJNR 1991; **12:** 97
Pistoia F; Markowitz SK; Sussman SK: contrast material in posterior vaginal fornix mimicking bladder rupture: CT features, JCAT 1989; **13:** 153
Pistolesi GF; Caudana R; D'Attoma N; et al: case report 686, Skeletal Radiol 1991; **20:** 454
Pitt HA See **Dooley WC**
Pitt HA See **Magnuson TH**
Pitt HA See **Webb TH**
Pitt HA; Kaufman SL; Coleman J; et al: benign postoperative biliary strictures: operate or dilate?, (ab), Radiology 1990; **175:** 290
Pitt MJ: rickets and osteomalacia are still around, Radiol Clin North Am 1991; **29:** 97
Pitt MJ; Speer DP: imaging of the elbow with an emphasis on trauma, Radiol Clin North Am 1990; **28:** 293
Pitt MJ; Speer DP: radiologic reporting of skeletal trauma, Radiol Clin North Am 1990; **28:** 247
Pitt PCC See **Tran TL**
Pittaluga S See **Travis WD**
Pittaro RJ See **Foster FS**
Pittman DD See **Cox JD**
Pittman JS See **Benson JT**
Pitts LH See **Cohen Y**
Piwnica-Worms D See **Chiu ML**
Piwnica-Worms D; Kronauge JF; Delmon L; et al: effect of metabolic inhibition on technetium-99m-MIBI kinetics in cultured chick myocardial cells, J Nucl Med 1990; **31:** 464
Piwnica-Worms D; Kronauge JF; Holman BL; et al: comparative myocardial uptake characteristics of hexakis (alkylisonitrile) technetium(I) complexes: effect of lipophilicity, Invest Radiol 1989; **24:** 25
Pizer SM See **Fishman EK**
Piziak VK See **Carpentier WR**
Pizzi GB; Beorchia A; Cereghini ME; et al: new technique for endocavitary irradiation of the esophagus, Int J Radiat Oncol Biol Phys 1989; **16:** 261
Pla C See **Pla M**
Pla M See **El-Khatib EE**
Pla M; Podgorsak EB; Pla C; et al: physical aspects of the angle-β concept in electron arc therapy, Int J Radiat Oncol Biol Phys 1991; **20:** 1331
Place C; Nolan RL; Nickel JC: alternate approaches to pelvic abscess drainage after cystectomy, Urol Radiol 1989; **11:** 161
Place DA; Faustino PJ; Van Zijl PCM; et al: metalloporphyrins as contrast agents for tumors in magnetic resonance imaging, Invest Radiol 1990; **25:** S69
Plaire JC See **Chezmar JL**
Planas R; Boix J; Broggi M; et al: portacaval shunt versus endoscopic sclerotherapy in the elective treatment of variceal hemorrhage, (ab), JVIR 1991; **2:** 421
Planchon B See **De Faucal P**
Plane JH; Usher C: rapid method of production of irregular-shaped fields for use with patients receiving electron radiotherapy, Br J Radiol 1990; **63:** 882
Plant GR; Hansell DM; Gibberd FB; et al: skeletal abnormalities in Refsum's disease (heredopathia atactica polyneuritiformis), Br J Radiol 1990; **63:** 537
Plas H See **Peene P**
Platenberg RC See **Outwater EK**
Platt JF; Bree RL; Davidson D: ultrasound of the normal nongravid uterus: correlation with gross and histopathology, JCU 1990; **18:** 15
Platt JF; Ellis JH; Rubin JM: examination of native kidneys with duplex Doppler ultrasound, Semin US CT MR 1991; **12:** 308
Platt JF; Ellis JH; Rubin JM; et al: intrarenal arterial Doppler sonography in patients with nonobstructive renal disease: correlation of resistive index with biopsy findings, AJR 1990; **154:** 1223
Platt JF; Ellis JH; Rubin JM: renal transplant pyelocaliectasis: role of duplex Doppler US in evaluation, Radiology 1991; **179:** 425
Platt JF; Rubin JM; Ellis JH: acute renal failure: possible role of duplex Doppler US in distinction between acute prerenal failure and acute tubular necrosis, Radiology 1991; **179:** 419
Platt JF; Rubin JM; Ellis JH: distinction between obstructive and nonobstructive pyelocaliectasis with duplex Doppler sonography, AJR 1989; **153:** 997
Platt JF; Rubin JM; Ellis JH; DiPietro MA: duplex Doppler US of the kidney: differentiation of obstructive from nonobstructive dilatation, Radiology 1989; **171:** 515
Platt LD See **Benson RC**
Platt LD See **Brar HS**
Platts A See **McGann GM**
Platzer EG See **Thompson SN**
Plavsic B; Robinson AE: variations in gastrointestinal melanoma metastases, Acta Radiol 1990; **31:** 493
Playfair LD: thrombolytic therapy, Radiology 1989; **170:** 1058
Pleatman CW See **Wiot JG**
Plecha DT See **Gazelle GS**
Plets C See **Marchal G**
Plets C See **Wilms G**
Plewes DB See **Totterman S**
Plewes DB See **Wandtke JC**
Plott WE See **Meredith RF**
Plott WG See **Spencer SA**
Plowman PN See **Dutton SC**
Plowman PN See **Kirkbride P**
Plowman PN See **Thomson ES**
Plowman PN: bone metastases from Ewing's sarcoma radiologically recapitulate the features of a primary Ewing's tumour, Clin Radiol 1989; **40:** 498
Plowman PN; Bridges BA; Arlett CF; et al: instance of clinical radiation morbidity and cellular radiosensitivity, not associated with ataxia-telangiectasia, Br J Radiol 1990; **63:** 624
Plowman PN; Doughty D: innovative method for neuraxis radiotherapy using partial transmission block technique, Br J Radiol 1991; **64:** 603
Plowman PN; Doughty D; Harnett AN: paediatric brachytherapy: I. the role of brachytherapy in the multidisciplinary therapy of localized cancers, Br J Radiol 1989; **62:** 218
Pluda JM See **Feuerstein IM**
Pluot M See **Fornage BD**
Pocek M See **Fanucci E**
Pochebit SM See **Statz EM**
Pochis WT; Krasnow AZ; Collier BD; et al: idiopathic pulmonary fibrosis: a rare cause of scintigraphic ventilation-perfusion mismatch, Clin Nucl Med 1990; **15:** 321
Pochis WT; Krasnow AZ; Isitman AT; et al: radioactive handkerchief sign: a contamination artifact in I-131 imaging for metastatic thyroid carcinoma, Clin Nucl Med 1990; **15:** 491
Pocock WA See **Marcus RH**
Pødenphant J See **Nielsen V-AH**
Podgorsak EB See **Pla M**
Podgorsak EB See **Souhami L**
Podgorsak EB; Pike GB; Olivier A; et al: radiosurgery with high energy photon beams: a comparison among techniques, Int J Radiat Oncol Biol Phys 1989; **16:** 857
Podolak MJ; Hedlund LW; Evans AJ; et al: evaluation of flow through simulated vascular stenoses with gradient echo magnetic resonance imaging, Invest Radiol 1989; **24:** 184
Podoloff DA See **Lamki LM**
Podoloff DA: interventional cholescintigraphy: when and with which agent?, Radiology 1990; **176:** 317
Podoloff DA; Kim EE: pitfalls in multimodality imaging in a patient undergoing evaluation for bone marrow transplantation, Clin Nucl Med 1989; **14:** 32
Podoloff DA; Kim EE: "sub"-super scan—manifestation of bone marrow metastases?, Clin Nucl Med 1989; **14:** 597
Podrasky AE See **Burke JW**
Podrasky AE See **Goldstein RB**
Podratz K See **Martinez A**
Poe L See **Johnsen DE**
Poe LB; Coleman LL: MR of hydranencephaly, AJNR 1989; **10:** S61
Poe LB; Coleman LL; Mahmud F: congenital central nervous system anomalies, Radiographics 1989; **9:** 801
Pogrebniak HW; Stovroff M; Roth JA; et al: resection of pulmonary metastases from malignant melanoma: results of a 16-year experience, (ab), Radiology 1989; **170:** 583
Pohar SS; Jackson FI; Glazebrook GA: ultrasonography and radiography in the diagnosis of Peyronie's disease, J Canad Assoc Radiol 1990; **41:** 369
Pohl-Markl H See **Schwaighofer BW**
Pohost GM See **Doyle M**
Pohost GM See **Matsuda T**
Pohost GM See **Miller SK**
Pohost GM See **Mulligan SA**
Poier E See **Stuecklschweiger GF**
Point SW; Aruny JE; Logsdon G: young female with knee pain, Invest Radiol 1990; **25:** 295
Pointon RCS See **Slevin NJ**
Poirier VC; Ablin DS; Frank EH: diffuse neonatal hemangiomatosis: a case report, AJNR 1990; **11:** 1097
Poitout P See **Buy J-N**
Poitout P See **Ghossain MA**
Poka A See **Bosse MJ**
Poka A See **Slawson RG**
Pokharna DS See **Goyal AK**
Pokieser P See **Jung M**
Polak JF See **Grassi CJ**
Polak JF See **Meyerovitz MF**
Polak JF See **O'Leary DH**
Polak JF; Culter SS; O'Leary DH: deep veins of the calf: assessment with color Doppler flow imaging, Radiology 1989; **171:** 481
Polak JF; Dobkin GR; O'Leary DH; Wang A-M; Cutler SS: internal carotid artery stenosis: accuracy and reproducibility of color-Doppler-assisted duplex imaging, Radiology 1989; **173:** 793
Polak JF; Donaldson MC; Dobkin GR; et al: early detection of saphenous vein arterial bypass graft stenosis by color-assisted duplex sonography: a prospective study, AJR 1990; **154:** 857
Polak JF; Donaldson MC; Whittemore AD; Mannick JA; O'Leary DH: pulsatile masses surrounding vascular prostheses: real-time US color flow imaging, Radiology 1989; **170:** 363
Polak JF; Hirsowitz GS; Holman BL; et al: biventricular function during postextrasystolic potentiation in man: a study using list-mode radionuclide ventriculography, Invest Radiol 1989; **24:** 20
Polak JF; Karmel MI; Mannick JA; et al: determination of the extent of lower-extremity peripheral arterial disease with color-assisted duplex sonography: comparison with angiography, AJR 1990; **155:** 1085
Poland RL See **Kazzi NJ**
Polansky AM See **Ken JG**
Polansky AM See **vanSonnenberg E**
Polga JP See **Blair RH**
Politis G See **Griffith DP**
Pollack A See **Cohen HL**
Pollack AH See **Kirshy DM**
Pollack AH; Kuerer HM: steatocystoma multiplex: appearance at mammography, Radiology 1991; **180:** 836
Pollack HM See **Amendola MA**
Pollack HM See **Banner MP**

Pollack HM See **Greenan TJ**
Pollack HM See **Schiebler ML**
Pollack HM See **Schnall MD**
Pollack HM See **Sheline M**
Pollack HM: balloon dilation of the prostate: effective treatment or dilatory tactic?, Radiology 1991; **178:** 331
Pollack HM: Ben Felson's contributions to uroradiology, Semin Roentgenol 1989; **24:** 239
Pollack HM; Wein AJ: imaging of renal trauma, Radiology 1989; **172:** 297
Pollack HM; Wein AJ: scintigraphy of renal trauma: reply, Radiology 1990; **174:** 896
Pollack IF; Sekhar LN; Jannetta PJ; et al: neurilemomas of the trigeminal nerve, (ab), Radiology 1990; **174:** 590
Pollack MM See **Hauser GJ**
Pollack MS: staphylococcal mediastinitis due to sternoclavicular pyarthrosis: CT appearance, JCAT 1990; **14:** 924
Pollack MS; Bound LM: hemangioma of the umbilical cord: sonographic appearance, J Ultrasound Med 1989; **8:** 163
Pollak JS See **St. George JK**
Pollak JS; Cooper SG; Denny DF Jr: use of the balloon on a guidewire as an adjunct to conventional angioplasty, AJR 1990; **155:** 887
Pollard KR See **Lewellen TK**
Pollard SG See **Somers JM**
Pollei SR See **Runge VM**
Pollei SR; Harnsberger HR: radiologic evaluation of the parotid space, Semin US CT MR 1990; **11:** 486
Pollei SR; Schellhas KP: magnetic resonance imaging of the temporomandibular joint, Semin US CT MR 1990; **11:** 346
Pollock AN; Reed MH: shoulder deformities from obstetrical brachial plexus paralysis, Skeletal Radiol 1989; **18:** 295
Polo JM See **Berciano J**
Polysalov VN See **Tarazov PG**
Pölzleitner D See **Schurawitzki H**
Pombo F: massive abdominal lymph node metastases in hepatocellular carcinoma, Acta Radiol 1991; **32:** 88
Pombo F; Arrojo L; Perez-Fontan J: haemoperitoneum secondary to spontaneous rupture of hepatocellular carcinoma: CT diagnosis, Clin Radiol 1991; **43:** 321
Pombo F; Soler R; Arrojo L; et al: US and CT findings in biliary obstruction due to tuberculous adenitis in the periportal area: 2 cases, Eur J Radiol 1989; **9:** 71
Pomeranz SJ See **Runge VM**
Pomeroy OH; Wendland M; Wagner S; et al: magnetic resonance imaging of acute myocardial ischemia using a manganese chelate, Mn-DPDP, Invest Radiol 1989; **24:** 531
Pomp J See **Levendag PC**
Pomposelli FB Jr; Jepsen SJ; Gibbons GW; et al: efficacy of the dorsal pedal bypass for limb salvage in diabetic patients: short-term observations, (ab), Radiology 1990; **177:** 894
Poncelet T See **Hoeffel JC**
Poncelet V; Dooms G; Mathurin P; et al: contributory aspects of MRI in the evaluation of basal encephaloceles, J Neuroradiol 1989; **16:** 214
Pond GD See **Fajardo LL**
Pond GD See **McNeill GC**
Pond GD; Castellino RA; Horning S; Hoppe RT: non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management, Radiology 1989; **170:** 159
Pond GD; Seeley GW; Ovitt TW; Chernin MM; Yoshino MT; Roehrig H; McIntyre KE: intraoperative arteriography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Radiology 1989; **170:** 367
Ponder BAJ See **Heron CW**
Ponec DJ See **LaBerge JM**
Ponette E See **Leyman P**
Ponette E See **Van Steenbergen W**
Ponhold W See **Vergesslich KA**
Ponhold W See **Wagner U**
Ponomar E; Carlson JE; Kindlund A; Rodriguez JP; Castaneda-Zuniga WR; Hunter DW; Yedlicka JW Jr; Amplatz K: clot-trapper device for transjugular thrombectomy from the inferior vena cava, Radiology 1991; **179:** 279
Pontén J See **Lehto V-P**
Pontén J: natural history of breast cancer, Acta Oncol 1990; **29:** 325
Pontes JE See **Wood DP Jr**
Ponto JA See **Seabold JE**
Ponvert D See **Bataini JP**
Poole J See **Karczmar GS**
Pooley J See **Gibbon WW**
Poon CS See **Poon PY**
Poon CSO See **Foo TKF**
Poon FW; Lauder JC; Finlay IG: technical report: evacuating proctography—a simplified technique, Clin Radiol 1991; **44:** 113
Poon PY See **Asch MR**
Poon PY See **Downey DB**
Poon PY See **Towers MJ**
Poon PY; Bronskill MJ; Poon CS; et al: identification of the periprostatic venous plexus by MR imaging, JCAT 1991; **15:** 265
Poon T; Matoso I; Tchertkoff V; et al: CT features of primary cerebral lymphoma in AIDS and non-AIDS patients, JCAT 1989; **13:** 6
Poon YF See **Lee AWM**
Pop LAM; Eijkenboom WMH; de Boer MF; et al: evaluation of treatment results of squamous cell carcinoma of the buccal mucosa, Int J Radiat Oncol Biol Phys 1989; **16:** 483
Pope CF See **Dillon EH**
Pope CF See **Majumdar S**
Pope JM See **Wang SC**
Pope RM See **Given-Wilson R**
Pope TL Jr See **Frazier WD**
Pope TL Jr See **Shogry MEC**
Pope TL Jr: MRI: musculoskeletal system, Radiology 1991; **179:** 638
Pope TL Jr; Fechner RE; Keats TE: intra-osseous ganglion: report of four cases and review of the literature, Skeletal Radiol 1989; **18:** 185
Popma JJ; Cigarroa RG; Buja LM; et al: diagnostic and prognostic utility of right-sided catheterization and endomyocardial biopsy in idiopathic dilated cardiomyopathy, (ab), Radiology 1990; **174:** 587
Popma JJ; Eichhorn EJ; Dehmer GJ: in vivo assessment of a digital angiographic method to measure absolute coronary artery diameters, (ab), Radiology 1990; **174:** 587
Popov DV See **Srejić R**
Popovich MJ; Arthur RH; Helmer E: CT of intracranial cryptococcosis, AJNR 1990; **11:** 139
Popovich MJ; Arthur RH; Helmer E: CT of intracranial cryptococcosis, AJR 1990; **154:** 603
Popovich MJ; Taylor FC; Helmer E: MR imaging of birth-related brachial plexus avulsion, AJNR 1989; **10:** S98
Popp LW; Ghirardini G: role of transvaginal sonography in chorionic villi sampling, JCU 1990; **18:** 315
Popp RL See **Linker DT**
Poppi M See **Gambari PI**
Porcaro ML See **Rossi P**
Poretta C See **Gonda RL Jr**
Porras M See **Servo A**
Porrazzo M See **Rotman M**
Porsch G See **Juettner FM**
Port R See **Brix G**
Port S See **Aksut S**
Portegies P See **Borgstein B-J**
Porter D See **Richardson P**
Porter DH See **Kim D**
Porter DH See **Sacks BA**
Porter DH See **Siegel JB**
Porter DH See **Simon M**
Porter DH; Kim D; Siegel JB; et al: atherectomy facilitated by long vascular sheaths, AJR 1991; **156:** 173
Porter-Grenn LM; Silbergleit R; Stern HJ; et al: intraventricular primary neuronal neoplasms: CT, MR, and angiographic findings, JCAT 1991; **15:** 365
Portlock CS See **Dowling SW**
Portmann L See **Ginalski J-M**
Portner W See **Galler L**
Porto M See **Pircon RA**
Posalaky IP See **Coleman CC**
Posalaky IP See **Wasserman NF**
Posawetz W See **Einspieler R**
Poschauko J See **Stuecklschweiger GF**
Poskitt KJ See **O'Sullivan RM**
Posner R; Saks AM; Leiman G: diffuse retroperitoneal amyloidosis: further radiological observations, Br J Radiol 1991; **64:** 469
Posniak HV See **Demos TC**
Posniak HV See **Dudiak CM**
Posniak HV See **Olson MC**
Posniak HV; Demos TC; Marsan RE: computed tomography of the normal aorta and thoracic aneurysms, Semin Roentgenol 1989; **24:** 7
Posniak HV; Keshavarzian A; Jabamoni R: diaphragmatic endometriosis: CT and MR findings, Gastrointest Radiol 1990; **15:** 349
Posniak HV; Olson MC; Demos TC; Benjoya RA; Marsan RE: CT of thoracic aortic aneurysms, Radiographics 1990; **10:** 839
Posniak HV; Olson MC; Dudiak CM; Castelli MJ; Dolan J; Wisniewski RA; Isaacs JH; Sharma SK; Bychkov V: MR imaging of uterine carcinoma: correlation with clinical and pathologic findings, Radiographics 1990; **10:** 15
Posse S See **Terrier F**
Post KD See **Cosman F**
Post KD See **McCormick PC**
Post M See **Brandt TD**
Post MJD See **Quencer RM**
Post MJD See **Sklar EML**
Post MJD; Berger JR; Quencer RM: asymptomatic and neurologically symptomatic HIV-seropositive individuals: prospective evaluation with cranial MR imaging, Radiology 1991; **178:** 131
Post MJD; Sze G; Quencer RM; et al: gadolinium-enhanced MR in spinal infection, JCAT 1990; **14:** 721
Post PJM See **Lamêris JS**
Post PJM; Robben SGF; Meradji M: gastro-oesophageal intussusception after Nissen-fundoplication, Pediatr Radiol 1990; **20:** 282
Post PJM; Robben SGF; Meradji M: gastro-oesophageal intussusception after Nissen-fundoplication, Pediatr Radiol 1990; **20:** 297
Postema S See **de Roos A**
Poster R See **Gottlieb RH**
Poster RB; Jones DB; Spirt BA: percutaneous pediatric renal biopsy: use of the biopsy gun, Radiology 1990; **176:** 725
Poster RB; Spirt BA; Tamsen A; et al: complex tunica albuginea cyst simulating an intratesticular lesion, Urol Radiol 1991; **13:** 129
Posteraro RH; Blinder RA; Herfkens RJ: MR-tutor: a program for teaching the interdependence of factors which influence signal intensity in magnetic resonance imaging, Comput Med Imag Graph 1989; **13:** 393
Posteraro RH; Sostman HD; Spritzer CE; et al: cine-gradient-refocused MR imaging of central pulmonary emboli, AJR 1989; **152:** 465
Postma A See **Thijn CJP**
Poston JW Sr See **Akabani G**
Potash HI See **Eurman DW**
Potaux L See **Dousset V**
Potaux L See **Grenier N**
Potchen EJ See **Pernicone JR**
Potchen EJ; Bisesi MA: when is it malpractice to miss lung cancer on chest radiographs?, Radiology 1990; **175:** 29
Potchen EJ; Bisesi MA; Sierra AE; et al: mammography and malpractice, AJR 1991; **156:** 475
Potchen EJ; Potchen MJ: imaging of brain function: positron emission tomography, single-photon emission computed tomography, and some prospects for magnetic resonance, Invest Radiol 1991; **26:** 258
Potchen MJ See **Potchen EJ**
Potente G: computed tomography in invasive pulmonary aspergillosis, Acta Radiol 1989; **30:** 587
Potente G: CT findings in fungal opportunistic pneumonias: body and brain involvement, Comput Med Imag Graph 1989; **13:** 423
Pothmann B See **Alberti W**
Potish RA: abdominal radiotherapy for cancer of the uterine cervix and endometrium, Int J Radiat Oncol Biol Phys 1989; **16:** 1453
Potish RA: effect of applicator geometry on dose specification in cervical cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 1513
Potish RA; Downey GO; Adcock LL; et al: role of surgical debulking in cancer of the uterine cervix, Int J Radiat Oncol Biol Phys 1989; **17:** 979
Potish RA; Dusenbery KE: enteric morbidity of postoperative pelvic external beam and brachytherapy for uterine cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 1005
Potter BM See **Taylor GA**
Potter GD See **Goodman P**
Potter HG See **Gould ES**
Potter HG; Schneider R; Ghelman B; Healey JH; Lane JM: multiple giant cell tumors and Paget disease of bone: radiographic and clinical correlations, Radiology 1991; **180:** 261
Potter JE See **Oldershaw JH**
Pötter R See **Wernecke K**
Pötter R; Sciuk J; Haverkamp U: digital subtraction angiography (IV DSA) in treatment planning of subdiaphragmatic Hodgkin's disease, Int J Radiat Oncol Biol Phys 1989; **17:** 389
Potts DG See **Solsberg MD**
Potts JM See **Borges-Neto S**
Potts JM See **Doraiswamy PM**
Potts JR See **Xu ASL**
Poulain F; Raynaud A; Bourquelot P; et al: local thrombolysis and thromboaspiration in the treatment of acutely thrombosed arteriovenous hemodialysis fistulas, Cardiovasc Intervent Radiol 1991; **14:** 98
Poulakos L See **Hauer-Jensen M**
Poulakos L; Elwell JH; Osborne JW; et al: prevalence and severity of late effects in normal rat duodenum following intraoperative irradiation, Int J Radiat Oncol Biol Phys 1990; **18:** 841
Pouliart C See **Roland J**
Poulsen HK: Danish endometrial cancer study (DEMCA*), Acta Oncol 1989; **28:** 589
Poulsen J See **Sörensen L**
Poulsen MG; Tripcony LB; Kynaston B: nodal recurrence in primary malignant epithelial tumours of the parotid gland, Australas Radiol 1991; **35:** 169
Poulter C See **Konski A**
Pound DC See **Sheets PW**
Poupon M-F See **Clement O**

Pourcelot D See **Body G**
Pourquier H See **Dubois JB**
Powe JE See **Eisenberg B**
Powe JE See **Juravsky M**
Powe JE See **Laurin NR**
Powe JE See **Maguire C**
Powe JE See **Titelbaum DS**
Powe JE; Babensee S; Pavlosky WF; et al: incidental skeletal metastases detected by Tc-99m HMPAO leukocyte scanning, Clin Nucl Med 1990; **15:** 656
Powe NR See **Kinnison ML**
Powe NR See **Moore RD**
Powe NR; Kinnison ML; Steinberg EP: controlled trials of radiologic contrast media: issues in quality assessment and synthesis, Radiology 1991; **179:** 22
Powe NR; Kinnison ML; Steinberg EP: quality assessment of randomized controlled trials of contrast media, Radiology 1989; **170:** 377
Powell AO See **Dobbins JT III**
Powell BWEM See **O'Connell MEA**
Powell DA See **Dachman AH**
Powell JM See **Beveridge GM**
Powell LG See **Angtuaco TL**
Powell N See **Whyte AM**
Powell T See **Bury RW**
Powell T See **Williams JW**
Power WJ See **McNicholas MMJ**
Powers BE See **Ching SV**
Powers BE See **Gillette EL**
Powers BE See **Gillette SLM**
Powers BE See **LeCouteur RA**
Powers BE See **McChesney SL**
Powers BE See **Thrall DE**
Powers BE; Gillette EL; Gillette SLM; et al: muscle injury following experimental intraoperative irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 463
Powers BE; Gillette EL; McChesney SL; et al: bone necrosis and tumor induction following experimental intraoperative irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 559
Powers T; Lum A; Patton JA: abdominal MRI artifacts, Semin US CT MR 1989; **10:** 2
Powers TA See **Delbeke D**
Powers TA See **Nance EP Jr**
Powers TA; Lorenz CH; Holburn GE; Price RR: renal artery stenosis: in vivo perfusion MR imaging, Radiology 1991; **178:** 543
Powers WJ See **Altman DI**
Powles TJ; Davey J; McKinna A: chemoprevention of breast cancer, Acta Oncol 1989; **28:** 865
Powlis WD; Altschuler MD; Censor Y; et al: semi-automated radiotherapy treatment planning with a mathematical model to satisfy treatment goals, Int J Radiat Oncol Biol Phys 1989; **16:** 271
Poyatos CR See **Vilar JS**
Poznanski AK See **Fernbach SK**
Poznanski AK See **Hafner R**
Poznanski AK See **Lenchik L**
Poznanski AK: fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Radiology 1990; **177:** 883
Pozniak MA See **Burnstein M**
Pozniak MA See **Kelcz F**
Pozniak MA See **Mehta RC**
Pozniak MA See **Scanlan KA**
Pozniak MA; Babel SG; Trump DL: complications of hepatic arterial infusion chemotherapy, Radiographics 1991; **11:** 67
Pozniak MA; Baus KM: hepatofugal arterial signal in the main portal vein: an indicator of intravascular tumor spread, Radiology 1991; **180:** 663
Pozniak MA; Crass JR; Zagzebski J; et al: clinical efficacy of Kitecko ultrasonic conductor, Invest Radiol 1989; **24:** 128
Pozniak MA; Kelcz F; Dodd GD III: renal transplant ultrasound: imaging and Doppler, Semin US CT MR 1991; **12:** 319
Pozza F; Colombo F; Chierego G; Avanzo RC; Marchetti C; Benedetti A; Casentini L; Danieli D: low-grade astrocytomas: treatment with unconventionally fractionated external beam stereotactic radiation therapy, Radiology 1989; **171:** 565
Pozzi-Mucelli F See **Dalla-Palma L**
Pozzi-Mucelli RS See **Dalla-Palma L**
Prader A See **Willi U**
Prados M See **Linstadt DE**
Prados MD See **Gutin PH**
Praestholm J; Dissing I; Herning M: radiology on postage stamps: part 3, Radiographics 1989; **9:** 341
Praestholm J; Dissing I; Herning M: radiology on postage stamps: part 4, Radiographics 1990; **10:** 157
Praga M See **Oliet A**
Prakash R; Gupta RK; Chopra MK; et al: loculated ascites producing extramural ureteral osbstruction—demonstration on technetium-99m DTPA imaging and ultrasonography, Clin Nucl Med 1989; **14:** 779
Prakash R; Jayaram G; Singh RP: follicular thyroid carcinoma masquerading as subacute thyroiditis: diagnosis using ultrasonography and radionuclide thyroid angiography, Australas Radiol 1991; **35:** 174
Prakash R; Narayanan RV; Chakravarty SK: differentiation between suppressed thyroid tissue and thyroid hemiagenesis with Tc-99m pertechnetate radionuclide angiography, Clin Nucl Med 1990; **15:** 605
Pramuljo HS; Harun SR: ultrasound findings in dengue haemorrhagic fever, Pediatr Radiol 1991; **21:** 100
Prandini N See **Feggi L**
Prando A; Wallace S; Marins JLC; et al: sonographic features of benign intraperitoneal lipomatous tumors in children—report of 4 cases, Pediatr Radiol 1990; **20:** 571
Prando A; Wallace S; Marins JLC; et al: sonographic findings of adrenal cortical carcinomas in children, Pediatr Radiol 1990; **20:** 163
Prandoni P See **Lensing AWA**
Pransky G See **Frumkin H**
Prasad N; Lotzová E; Thornby JI; Taber KH: effects of 2.35-T MR imaging on natural killer cell cytotoxicity with and without interleukin-2, Radiology 1990; **175:** 261
Prasad N; Wright DA; Ford JJ; Thornby JI: safety of 4-T MR imaging: study of effects on developing frog embryos, Radiology 1990; **174:** 251
Prasad PV; Nalcioglu O: modified pulse sequence for *in vivo* diffusion imaging with reduced motion artifacts, Magn Res Med 1991; **18:** 116
Prasad U See **Tatum JL**
Prasad V; Greig F; Bastian W; et al: slipped capital femoral epiphysis during treatment with recombinant growth hormone for isolated partial growth hormone deficiency, (ab), Radiology 1991; **180:** 296
Prassopoulos P See **Gourtsoyiannis N**
Prat J See **Mata JM**
Prats E See **Banzo J**
Prats E; Banzo J; Nerin J; et al: toxic megacolon detected by Tc-99m HMPAO mixed leukocyte scan, Clin Nucl Med 1991; **16:** 365
Pratt C See **Fontanesi J**
Pratt JP See **Lear JL**
Pratt TA; Sweeney JK: review of occupational exposure in the North-Western Region, Br J Radiol 1989; **62:** 734
Prayer L; Wimberger D; Kramer J; et al: cranial MRI in Wilson's disease, Neuroradiol 1990; **32:** 211
Predey TA; McDonald V; Demos TC; et al: CT of congenital anomalies of the aortic arch, Semin Roentgenol 1989; **24:** 96
Preffer F See **Ramsay J**
Prego V; Glatt AE; Roy V; et al: comparative yield of blood culture for fungi and mycobacteria, liver biopsy, and bone marrow biopsy in the diagnosis of fever of undetermined origin in human immunodeficiency virus-infected patients, (ab), Radiology 1990; **176:** 592
Preiss J See **Rozeik C**
Premkumar A See **Halpern EJ**
Premkumar A See **Sanders LM**
Premkumar A; Shawker TH; Choyke PL: sonographic diagnosis of testicular seminoma occurring 8 years after initial extragonadal seminoma, J Ultrasound Med 1991; **10:** 469
Prendergast CM See **Page JE**
Prendergast ML; Wildes TO: evaluation of the orbital floor in zygoma fractures, (ab), Radiology 1989; **170:** 589
Prener A See **Davies TW**
Prenger EC See **Barr LL**
Prénovault J See **Lette J**
Prensky AJ See **Mirowitz SA**
Prentice ED; Crouse DA; Rings RW: approaches to increasing the ethical consistency of prior review of animal research, Invest Radiol 1990; **25:** 271
Prentice L See **Ekholm SE**
Prentice LI See **Morris TW**
Presant CA; Proffitt RT; Turner AF; et al: successful imaging of human cancer with indium-111-labeled phospholipid vesicles, (ab), Radiology 1989; **171:** 592
Presbitero P See **Todros T**
Presbitero P; Demarie D; Aruta E: results of total correction of tetralogy of Fallot performed in adults, (ab), Radiology 1989; **171:** 883
Presbrey T See **Creasy JL**
Prescher A See **Krasny R**
Prescod NP See **Smellie JM**
Prescott MC See **Rose MR**
Present D; Bacchini P; Pignatti G; et al: clear cell chondrosarcoma of bone: a report of 8 cases, Skeletal Radiol 1991; **20:** 187
Present D; Bertoni F; Laus M; et al: case report 565, Skeletal Radiol 1989; **18:** 471
Present DA; Abdelwahab IF; Zwass A; et al: case report 575, Skeletal Radiol 1989; **18:** 557
Present DH See **Klein S**
Preslar J See **Madsen MT**
Press GA See **Chamberlain MC**
Press GA See **Chrysikopoulos HS**
Press GA See **Courchesne E**
Press GA See **Grafe MR**
Press GA See **Schwaighofer BW**
Press GA See **Spoto GP**
Press GA; Barshop BA; Haas RH; et al: abnormalities of the brain in nonketotic hyperglycinemia: MR manifestations, AJNR 1989; **10:** 315
Press GA; Murakami JW; Courchesne E; et al: cerebellum: 3. anatomic-MR correlation in the coronal plane, AJNR 1990; **11:** 41
Press GA; Murakami JW; Courchesne E; et al: cerebellum: 3. anatomic-MR correlation in the coronal plane, AJR 1990; **154:** 593
Press GA; Murakami JW; Courchesne E; et al: cerebellum in sagittal plane—anatomic-MR correlation: 2. the cerebellar hemispheres, AJNR 1989; **10:** 667
Press OW See **Eary JF**
Press W-R See **Weinmann H-J**
Pressman BD See **Kieffer SA**
Pressman BD See **Shellock FG**
Prestidge BR; Donaldson SS: treatment results among adults with childhood tumors: a 20-year experience, Int J Radiat Oncol Biol Phys 1989; **17:** 507
Preston A See **Schmidt ME**
Preston A; Lebowitz RL: what's new in pediatric uroradiology, Urol Radiol 1989; **11:** 217
Preston AA; Griscom NT: pediatric case of the day, Radiographics 1991; **11:** 501
Preston BJ See **McConachie NS**
Preston BJ See **Whitaker SC**
Preston BJ See **Wilson ARM**
Preston DF See **Robinson RG**
Preston DS; Colletti PM; Raval JK; et al: compression of pulmonary artery by syphilitic thoracic aortic aneurysm: imaging, Clin Nucl Med 1989; **14:** 610
Preston RC: review of current IEC activities in acoustic output standardization of medical ultrasonic equipment, Ultrasound Med Biol 1989; **15:** S101
Preston RC; Shaw A; Zeqiri B: prediction of *in situ* exposure to ultrasound: an acoustical attenuation method, Ultrasound Med Biol 1991; **17:** 317
Preston RC; Shaw A; Zeqiri B: prediction of *in situ* exposure to ultrasound: a proposed standard experimental method, Ultrasound Med Biol 1991; **17:** 333
Prestwich WV; Nunes J; Kwok CS: beta dose point kernals for radionuclides of potential use in radioimmunotherapy, J Nucl Med 1989; **30:** 1036
Pretorius DH See **Budorick NE**
Pretorius DH See **Hughes MD**
Pretorius DH See **Lin MC**
Pretorius DH See **Nelson TR**
Pretorius DH See **Nyberg DA**
Pretorius DH See **Pattarelli P**
Pretorius DH See **Patten RM**
Pretorius DH See **Wolf SI**
Pretorius DL See **Rose BS**
Prévot S See **Buy J-N**
Pribram H See **Harman SA**
Price AB See **Levi S**
Price AC See **Runge VM**
Price AP See **Haller JO**
Price AP See **Spirt BA**
Price CI See **Adler RS**
Price CI; Adler RS; Rubin JM: ultrasound detection of differences in density: explanation of the ureteric jet phenomenon and implications for new ultrasound applications, Invest Radiol 1989; **24:** 876
Price DB: tubes in the alimentary and respiratory tracts: appearances on CT scans of the head and neck, AJR 1991; **156:** 1047
Price DC See **Hoener B-a**
Price DJ See **Daniels S**
Price G: Washington report: interventional radiology, Radiology 1990; **174:** 921
Price J See **DeWerd LA**
Price J See **Spencer JAD**
Price J: linear atelectasis in the lingula as a diagnostic feature of left lower lobe collapse: Nordenström's sign, Australas Radiol 1991; **35:** 56
Price J; Chan M; Hamilton-Wood C; et al: sonographic diagnosis of portal vein invasion in patients with hepatocellular carcinoma: comparison with arterial portography, Clin Radiol 1990; **41:** 9
Price J; Nolan DJ: closed loop obstruction: diagnosis by enteroclysis, Gastrointest Radiol 1989; **14:** 251
Price LA See **Hill BT**
Price RR See **Carroll FE**
Price RR See **Conturo TE**
Price RR See **Creasy JL**
Price RR See **Eisenberg AD**
Price RR See **Park JH**
Price RR See **Powers TA**

Price RR; Partain CL: SMRI 1991: annual meeting overview, JMRI 1991; **1:** 135
Price SC See **David G**
Price TE See **Loughry CW**
Priest DL See **Knighton RA**
Priest DL See **Rose SC**
Priest DL See **Zwiebel WJ**
Priest JR See **Manivel JC**
Priester R; Caplan AL: ethics, cost containment, and the allocation of scarce resources, Invest Radiol 1989; **24:** 918
Prieto ML See **Camúñez F**
Prieto ML; Casanova A; Delgado J; et al: cystic teratoma of the mesentery, Pediatr Radiol 1989; **19:** 439
Prietto C See **Turner RM**
Prignitz I See **Vallbracht C**
Primozich J See **Phillips DJ**
Primrose JN; Maloney M; Wells M; et al: gastrin-producing ovarian mucinous cystadenomas: a cause of the Zollinger-Ellison syndrome, (ab), Radiology 1989; **172:** 292
Prince JR See **Wilson DA**
Principato R See **Rosenthal RE**
Princz EJ See **Smith ICP**
Pringle J See **Graif M**
Pringle JS See **Golfieri R**
Pringot J See **Van Beers BE**
Pringsheim W See **Bode H**
Prins TR; Vencken LM: traumatic pneumosaccus, Neuroradiol 1989; **31:** 290
Prinz RA See **Crow JP**
Prionas SD See **Goffinet DR**
Prior JC See **Gray JR**
Prior MV See **Hall AS**
Prior P See **Holmes GKT**
Pritchard H See **Herring FG**
Pritchard J See **Hall-Craggs MA**
Pritchard RS See **Miller SF**
Pritchard RS; Shah HR; Nelson CL; et al: MR and CT appearance of iliopsoas bursal distention secondary to diseased hips, JCAT 1990; **14:** 797
Pritzker H See **Struhl S**
Pritzker KPH See **Lambert RGW**
Pritzker KPH See **Rubenstein J**
Prober A See **Marmor A**
Probert JC See **Burmeister BH**
Procacci C See **Fugazzola C**
Procter AE See **Belli A-M**
Procter AE: free intraperitoneal fluid in patients with intestinal obstruction without clinical or radiological evidence of perforation, Clin Radiol 1989; **40:** 320
Proffitt RT See **Presant CA**
Prokop EK See **Marlatt SW**
Prokop M See **Hendrickx P**
Prokop M See **Oestmann JW**
Prokop M; Galanski M; Oestmann JW; von Falkenhausen U; Rosenthal H; Reimer P; Nischelsky J; Reichelt S: storage phosphor versus screen-film radiography: effect of varying exposure parameters and unsharp mask filtering on the detectability of cortical bone defects, Radiology 1990; **177:** 109
Prolla TA See **Gruetter R**
Prosmanne O See **Cordeau M-P**
Prosnitz L See **Leopold KA**
Prosnitz L See **Lustig R**
Prosnitz LR See **Anscher MS**
Prosnitz LR See **Brizel DM**
Proto AV See **Fulcher AS**
Proto AV: imaging insights: incomplete pulmonary fissures, (ab), Radiology 1991; **178:** 588
Proto AV: imaging insights: supermedial major fissure, (ab), Radiology 1990; **177:** 892
Proto AV: imaging insights: the normal apical opacity, (ab), Radiology 1990; **174:** 898
Proto AV; Corcoran HL; Ball JB Jr: left paratracheal reflection, Radiology 1989; **171:** 625
Proto AV Jr: RSNA '88: focus on scientific exhibits, (ab), Radiology 1989; **172:** 592
Proto E See **Rubaltelli L**
Prpic H See **Barendswaard EC**
Pruss E See **Heywang SH**
Prvulovich E See **Clarke CE**
Pry R; Miles SG; Hawkins IF Jr; Akins EW; Rasmussen JF: guide-wire reinforcement and lengthening with coaxial locking guide wires: the crimping technique, Radiology 1990; **174:** 268
Pryce AP; Wiener SN: syringomyelia associated with Paget disease of the skull, AJR 1990; **155:** 881
Prystowsky JB; Stryker SJ; Ujiki GT; et al: gastrointestinal endometriosis: incidence and indications for resection, (ab), Radiology 1989; **170:** 286
Pryzant RM; Chou JL; Easley JD: twenty year experience with radiation therapy for temporal bone chemodectomas, Int J Radiat Oncol Biol Phys 1989; **17:** 1303
Pszon J See **Korzeniowski S**
Ptasznik R See **Hennessy OF**
Puchnina EA See **Muzykantov VR**
Pucillo AL; Schechter AG; Kay RH; et al: identification of calcified intracardiac lesions using gradient echo MR imaging, JCAT 1990; **14:** 743
Pucillo AL; Schechter AG; Moggio RA; et al: MR imaging in the definition of coronary artery anomalies, JCAT 1990; **14:** 171
Pudlowski R See **Vade A**
Puffenbarger A See **Morse SS**
Puffer DB See **Lorenz CH**
Pugash R See **Torbiak R**
Pugash RA; O'Brien SE; Stevenson GW: perforating duodenal diverticulitis, Gastrointest Radiol 1990; **15:** 156
Pugatch RD See **Shaffer K**
Puglioli M See **Canapicchi R**
Puhakka HJ See **Svedström EJ**
Pui C-H See **Mahmoud H**
Puig J See **Pérez CM**
Puig de la Bellacasa J See **Torres A**
Puijlaert CBAJ See **Klinge J**
Puittinen J See **Eskelinen M**
Pujol H See **Dubois JB**
Pukander J; Lähteenmäki T; Matikainen M; et al: hypopharyngeal reconstruction with free microvascular jejunal transfer after total laryngopharyngectomy, Acta Oncol 1990; **29:** 525
Pulido JM See **Maynar M**
Pulmano C See **Shih W-J**
Pulpeiro JR See **Miralles M**
Pulpeiro JR; Cortés JA; Macarrón J; et al: MR findings in primary antiphospholipid syndrome, AJNR 1991; **12:** 452
Pulpeiro JR; Orduña M; Jimenez J; et al: primary hepatocellular adenoma in men, JCU 1989; **17:** 269
Pumar JM; Alvarez M; Perez-Batallon A; et al: brown tumor in secondary hyperparathyroidism, causing progressive paraplegia, Neuroradiol 1990; **32:** 343
Pun T See **Hu ZP**
Pun T See **Lutz RW**
Pun T See **Roch C**
Pun TC See **Chan FY**
Punekar SV See **Merchant S**
Punekar SV See **Merchant SA**
Puntala PV See **Nurmi MJ**
Pupi A; De Cristofaro MTR; Bacciottini L; et al: analysis of the arterial input curve for technetium-99m-HMPAO: quantification of rCBF using single-photon emission computed tomography, J Nucl Med 1991; **32:** 1501
Puram B; Maley TJ; White NM; et al: acute myocardial infarction resulting from the migration of a Greenfield filter, (ab), JVIR 1991; **2:** 410
Purdy JA See **Emami B**
Purdy JA See **Harms WB**
Purdy JA See **Simpson JR**
Purdy P See **Giller CA**
Purdy PD See **Megison P**
Purdy PD: imaging cerebral blood flow in interventional neuroradiology: choice of technique and indications, AJNR 1991; **12:** 424
Purdy PD; Devous MD Sr; Unwin DH; et al: angioplasty of an atherosclerotic middle cerebral artery associated with improvement in regional cerebral blood flow, AJNR 1990; **11:** 878
Purdy PD; Samson D; Batjer HH; et al: preoperative embolization of cerebral arteriovenous malformations with polyvinyl alcohol particles: experience in 51 adults, AJNR 1990; **11:** 501
Puri S; Sharma S; Baijal VN: case of the month: the case of the surplus clues, Br J Radiol 1990; **63:** 227
Purnell GL See **Buckner CB**
Purnell GL See **Shah HR**
Purnell GL See **Walker CW**
Purnell GL; Baker BJ; Murphy MM; et al: rapid method for standardization of the gated radionuclide left ventricular ejection fraction, Clin Nucl Med 1990; **15:** 552
Purnell GL; Walker CW; Allison JW; et al: indium-111 leukocyte localization in infected prosthetic graft, Clin Nucl Med 1990; **15:** 585
Pursell SH See **Willing SJ**
Pursley D See **Share JC**
Pushpanathan C See **Walsh E**
Putman CE See **Bergin CJ**
Putman CE See **Maynard CD**
Putnam CE See **Harwood-Nash DC**
Putnam JB Jr See **Lanza LA**
Putnam W See **Gulliver DJ**
Putz R See **Müller-Gerbl M**
Puvaneswary M; Davoren P: phaechromocytoma of the bladder: ultrasound appearance, JCU 1991; **19:** 111
Puylaert JBCM See **Becking WB**
Puylaert JBCM See **Bodewes HW**
Puylaert JBCM; Kristjánsdóttir S; Golterman KL; et al: typhoid fever: diagnosis by using sonography, AJR 1989; **153:** 745
Puy-Montbrun T; Delechenault P; Ganansia R; et al: rectal stenosis due to Veganine® suppositories, Gastrointest Radiol 1990; **15:** 169
Pye SD; Elliott V; Marshall I; et al: use of an infrared touch-screen to control the sensitivity of ultrasound scanners in clinical practice, Br J Radiol 1989; **62:** 1014
Pyeritz RE See **Magid D**
Pykett IL See **Saini S**
Pyrhönen S See **Laasonen A**
Pyrhönen S See **Maiche AG**
Pyron CL: diagnostic nuclear medicine. 2d ed, 2 vols, Radiology 1989; **171:** 734

Q

Qi W See **Shu-Mo C**
Qian Z: thoracic hydatid cysts: a report of 842 cases treated over a thirty-year period, (ab), Radiology 1989; **171:** 882
Qin DX See **Xu GZ**
Qin D-X See **Yan J-H**
Qin D-X; Zheng R; Tang J; et al: influence of radiation on the blood-brain barrier and optimum time of chemotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1507
Qi-Xin T See **Rong-Xi L**
Qizilbash A See **Doris I**
Quadt C See **Geyer J**
Quaife R See **Caputo GR**
Quain RM; Waag RC; Miller MW: use of frequency mixing to distinguish size distributions of gas-filled micropores, Ultrasound Med Biol 1991; **17:** 71
Quam JP; King BF; James EM; et al: duplex and color Doppler sonographic evaluation of vasculogenic impotence, AJR 1989; **153:** 1141
Quast MJ See **Kent TA**
Quay S See **Ratner AV**
Quay SC See **Elizondo G**
Quay SC See **Greco A**
Quay SC See **Lim KO**
Quay SC See **Saeed M**
Quay SC See **Van Wagoner M**
Quebbeman EJ See **Hinke DH**
Quencer RM See **Aizpuru RN**
Quencer RM See **Castillo M**
Quencer RM See **Katz BH**
Quencer RM See **Kochan JP**
Quencer RM See **Montalvo BM**
Quencer RM See **Ostrov SG**
Quencer RM See **Post MJD**
Quencer RM See **Segall HD**
Quencer RM See **Sklar EML**
Quencer RM; Post MJD; Hinks RS: cine MR in the evaluation of normal and abnormal CSF flow: intracranial and intraspinal studies, Neuroradiol 1990; **32:** 371
Quenville NF See **Becker CD**
Quenville NF See **Burhenne HJ**
Quenville NF See **Malone DE**
Queral LA See **Criado FJ**
Querleux BG See **Bittoun J**
Quesada ET See **Shabsigh R**
Quiet CA; Weichselbaum RR; Grdina DJ: variation in radiation sensitivity during the cell cycle of two human squamous cell carcinomas, Int J Radiat Oncol Biol Phys 1991; **20:** 733
Quigley MJ See **Yeung EY**
Quigley PJ; Hlatky MA; Hinohara T; et al: repeat percutaneous transluminal coronary angioplasty and predictors of recurrent restenosis, (ab), Radiology 1989; **173:** 587
Quillin SP; McAlister WH: rapidly progressive pyomyositis: diagnosis by repeat sonography, J Ultrasound Med 1991; **10:** 181
Quillin SP; McAlister WH: transitional cell carcinoma of the bladder in children: radiologic appearance and differential diagnosis, Urol Radiol 1991; **13:** 107
Quillin SP; Shackelford GD: postpneumonectomy syndrome after left lung resection, Radiology 1991; **179:** 100
Quinet B See **Vanthournout I**
Quinlan DM See **Yale-Loehr AJ**
Quinn J See **Swaminathan S**
Quinn KL; Vandeman FN: thrombosis of a duplicated superficial femoral vein: potential error in compression ultrasound diagnosis of lower extremity deep venous thrombosis, J Ultrasound Med 1990; **9:** 235
Quinn MF See **Terasaki KK**
Quinn SF See **Brown TR**
Quinn SF See **Erickson SJ**
Quinn SF See **Sanchez RB**
Quinn SF; Beisole R; Greene TL; et al: work in progress: postarthrography computed tomography of the wrist: evaluation of the triangular fibrocartilage complex, Skeletal Radiol 1989; **17:** 565
Quinn SF; Beisole R; Greene TL; Rayhack JM: advanced imaging of the wrist, Radiographics 1989; **9:** 229
Quinn SF; Brown TF: meniscal tears diagnosed with MR imaging versus arthroscopy: how reliable a standard is arthroscopy?, Radiology 1991; **181:** 843
Quinn SF; Erickson SJ; Dee PM; et al: MR imaging in fibromatosis: results in 26 patients with pathologic correlation, AJR 1991; **156:** 539

Quinn SF; Morse S: complications from 0.018-in. floppy platinum-tip guidewires, AJR 1990; **154:** 1103
Quiñones-Baldrich WJ See **Moore WS**
Quiñones-Baldrich WJ; Baker JD; Busuttil RW; et al: intraoperative infusion of lytic drugs for thrombotic complications of revascularization, (ab), Radiology 1990; **175:** 590
Quint DJ See **Angeid-Backman E**
Quint DJ See **Silverstein AM**
Quint DJ See **Welk LA**
Quint DJ: multiple sclerosis and imaging of the corpus callosum, Radiology 1991; **180:** 15
Quint DJ; Boulos RS; Spera TD: congenital absence of the cervical and petrous internal carotid artery with intercavernous anastomosis, AJNR 1989; **10:** 435
Quint DJ; Patel SC; Sanders WP; et al: importance of absence of CSF pulsation artifacts in the MR detection of significant myelographic block at 1.5 T, AJNR 1989; **10:** 1089
Quint LE See **Holland DG**
Quint LE See **Remer EM**
Quint LE See **Swanson SD**
Quint LE; McShan DL; Glazer GM; et al: three dimensional CT of central lung tumors, Clin Imag 1990; **14:** 323
Quint LE; Van Erp JS; Bland PH; et al: carcinoma of the prostate: MR images obtained with body coils do not accurately reflect tumor volume, AJR 1991; **156:** 511
Quint LE; Van Erp JS; Bland PH; Del Buono EA; Mandell SH; Grossman HB; Gikas PW: prostate cancer: correlation of MR images with tissue optical density at pathologic examination, Radiology 1991; **179:** 837
Quint R See **Rehr RB**
Quirce R; Serano J; Arnal C; et al: detection of mediastinitis after heart transplantation by gallium-67 scintigraphy, J Nucl Med 1991; **32:** 860
Quirk JG See **Miller SF**
Quirk ME; Letendre AJ; Ciottone RA; Lingley JF: anxiety in patients undergoing MR imaging, Radiology 1989; **170:** 463
Quirk ME; Letendre AJ; Ciottone RA; Lingley JF: evaluation of three psychologic interventions to reduce anxiety during MR imaging, Radiology 1989; **173:** 759
Quiroz FA See **Erickson SJ**
Quisling RG See **Guy JR**
Quisling RG; Mickle JP: venous pressure measurements in vein of Galen aneurysms, AJNR 1989; **10:** 411
Quisling RG; Peters KR; Friedman WA; Tart RP: persistent nidus blood flow in cerebral arteriovenous malformation after stereotactic radiosurgery: MR imaging assessment, Radiology 1991; **180:** 785
Quistorff B; Nielsen S; Thomsen C; et al: simple calf muscle ergometer for use in a standard whole-body MR scanner, Magn Res Med 1990; **13:** 444
Quitt M See **Hardoff R**
Quivey JM See **Arrivé L**
Quivey JM See **Berson AM**
Quivey JM See **Nowakowski VA**
Quivey JM See **Sugimura K**
Quoix E See **Arriagada R**
Quong GG See **Guiney MJ**
Qureshi S See **Rudin M**

R

Ra JB; Hilal SK; Oh CH: algorithm for MR imaging of the short T2 fraction of sodium using the FID signal, JCAT 1989; **13:** 302
Ra JB; Rim CY; Cho ZH: application of single-shot spiral scanning for volume localization, Magn Res Med 1991; **17:** 423
Raabe RD See **Adye BA**
Raafat F See **Brook FB**
Raaphorst GP; Feeley MM; Danjoux CE; et al: effect of lonidamine (LND) on radiation and thermal responses of human and rodent cell lines, Int J Radiat Oncol Biol Phys 1991; **20:** 509
Raaphorst GP; Feeley MM; Da Silva VF; et al: comparison of heat and radiation sensitivity of three human glioma cell lines, Int J Radiat Oncol Biol Phys 1989; **17:** 615
Raat A See **Debongnie JC**
Rabahie GN See **Auffermann W**
Rabassa AE; Nusynowitz ML: detection of subarachnoid pleural fistula, Neuroradiol 1991; **33:** 83
Rabe H; Grohs B; Schmidt RM; et al: acoustic power measurements of Doppler ultrasound devices used for perinatal and infant examinations, Pediatr Radiol 1990; **20:** 277
Raben M See **Randall ME**
Rabin AM See **Trambert JJ**
Rabin AM; Abramson AF; Manzarbeitia C; et al: dilated periportal lymphatics mimicking an anastomotic bile leak after liver transplantation, Gastrointest Radiol 1991; **16:** 337
Rabinovitz M; Zajko AB; Hassanein T; et al: diagnostic value of brush cytology in the diagnosis of bile duct carcinoma: a study in 65 patients with bile duct strictures, (ab), JVIR 1991; **2:** 298
Rabinowich L See **Mehler MF**
Rabinowitz JG See **Norton KI**
Rabinowitz R See **Lerner RM**
Rabinson S See **Yachia D**
Rabito CA See **Scott JA**
Rabito CA See **Weissleder R**
Rabitsch H; Feenstra O; Kahr G: radiocesium levels in humans over a four-year period, J Nucl Med 1991; **32:** 1491
Rabushka LS; Fishman EK; Kuhlman JE: CT evaluation of achalasia, JCAT 1991; **15:** 434
Rabushka LS; Fishman EK; Kuhlman JE; Hruban RH: diffuse esophageal leiomyomatosis in a patient with Alport syndrome: CT demonstration, Radiology 1991; **179:** 176
Raby N See **Khan S**
Raby N; Forbes G; Williams R: *Nocardia* infection in patients with liver transplants or chronic liver disease: radiologic findings, Radiology 1990; **174:** 713
Raby N; Giles J; Walters H: aortic dissection presenting as acute leg ischaemia, Clin Radiol 1990; **42:** 116
Raby N; Karani J; Meire H; et al: Budd–Chiari syndrome: shunt selection and post-operative assessment, Clin Radiol 1989; **40:** 586
Raby N; Karani J; Michell M; et al: lipiodol enhanced CT scanning in assessment of hepatocellular carcinoma, Clin Radiol 1989; **40:** 480
Raby N; Karani J; Thomas S; et al: stenoses of vascular anastomoses after hepatic transplantation: treatment with balloon angioplasty, AJR 1991; **157:** 167
Raby ND See **Barker PG**
Raby ND See **Evans RA**
Racette CD See **Faro SH**
Rachagan SP See **Raman S**
Rachlin S See **Roshkow JE**
Rachmilewitz EA See **Gomori JM**
Rackson ME See **Lossef SV**
Rackson ME; Lossef SV; Sos TA: renal artery stenosis in patients with aortic dissection: increased prevalence, Radiology 1990; **177:** 555
Rackson ME; Lossef SV; Sos TA: use of ACE inhibitors in patients with renal artery stenosis: reply, Radiology 1991; **180:** 291
Rackson ME; Mitty HA; Lossef SV; et al: biocompatible copolymer ureteral stent: maintenance of patency beyond 6 months, AJR 1989; **153:** 783
Racle A See **Bonneville JF**
Rada C See **Goldberg REA**
Radanović B; Šimunić S; Stojanović J; et al: therapeutic embolization of aneurysmal bone cyst, Cardiovasc Intervent Radiol 1989; **12:** 313
Radda GK See **Endre ZH**
Radecki PD See **Friedman AC**
Radecki SE; Steele JP: effect of on-site facilities on use of diagnostic radiology by non-radiologists, Invest Radiol 1990; **25:** 190
Rademacher J See **Steinmetz H**
Radford PJ; Doran A; Greatorex RA; et al: total hip replacement in the renal transplant recipient, (ab), Radiology 1989; **173:** 886
Radin DR See **Colletti PM**
Radin DR: intraabdominal *Mycobacterium tuberculosis* vs *Mycobacterium avium-intracellulare* infections in patients with AIDS: distinction based on CT findings, AJR 1991; **156:** 487
Radin DR: intramural and intraperitoneal hemorrhage due to duodenal ulcer, AJR 1991; **157:** 45
Radin DR; Allgood MR; Johnson MB; et al: CT diagnosis of superior mesenteric arteriovenous fistula, JCAT 1989; **13:** 721
Radin DR; Baker EL; Klatt EC; et al: visceral and nodal calcification in patients and AIDS-related *Pneumocystis carinii* infection, AJR 1990; **154:** 27
Radin DR; Chandrasoma P; Ralls PW: carcinoma of the cystic duct, Gastrointest Radiol 1990; **15:** 49
Radin DR; Kanel GC: peliosis hepatis in a patient with human immunodeficiency virus infection, AJR 1991; **156:** 91
Radkowski A See **Reinfuss M**
Radtke RA See **Heinz ER**
Radü E See **Hafner H-P**
Radü EW See **Müller HR**
Raduns K; McGahan JP; Beal S: cholecystokinin sonography: lack of utility in diagnosis of acute acalculous cholecystitis, Radiology 1990; **175:** 463
Rae T See **Farquhar CM**
Rae T See **Stones RW**
Rae-Grant AD; Barbour PJ; Sirotta P; et al: Alzheimer's disease in Down's syndrome with SPECT, Clin Nucl Med 1991; **16:** 509
Raeman F See **Roland J**
Rafal RB; Jennis R; Kosovsky PA; et al: MRI of primary amyloidosis, Gastrointest Radiol 1990; **15:** 199
Rafal RB; Kosovsky PA; Jennis R; et al: magnetic resonance imaging evaluation of spontaneous portosystemic collaterals, Cardiovasc Intervent Radiol 1990; **13:** 40
Rafal RB; Kosovsky PA; Markisz JA: magnetic resonance imaging of the adrenal glands: a subject review, Clin Imag 1990; **14:** 1
Rafal RB; Kosovsky PA; Markisz JA: MR appearance of cervical pregnancy, JCAT 1990; **14:** 482
Rafal RB; Markisz JA: urachal carcinoma: the role of magnetic resonance imaging, Urol Radiol 1991; **12:** 184
Raffel J See **Khim A**
Raffeld M See **Feuerstein IM**
Rafii M See **Golimbu CN**
Rafii M; Firooznia H; Sherman O; Minkoff J; Weinreb J; Golimbu C; Gidumal R; Schinella R; Zaslav K: rotator cuff lesions: signal patterns at MR imaging, Radiology 1990; **177:** 817
Rafla S; Parikh K; Tchelebi M; Youssef E; Selim H; Bishay S: recurrent tumors of the head and neck, pelvis, and chest wall: treatment with hyperthermia and brachytherapy, Radiology 1989; **172:** 845
Rafto SE; Milton WJ; Galetta SL; et al: biopsy-confirmed CNS Lyme disease: MR appearance at 1.5 T, AJNR 1990; **11:** 482
Ragan DP: radiotherapy departmental automation, Comput Med Imag Graph 1989; **13:** 295
Ragav B See **Sood S**
Ragavendra N; McMahon JT; Perrella RR; Tessler FN; Hansen GC; Kimme-Smith C; Grant EG; Crandall BF: endoluminal catheter-assisted transcervical US of the human embryo. work in progress, Radiology 1991; **181:** 779
Ragazzoni A See **Mascalchi M**
Raghav B; Goulatia RK; Gupta AK; et al: giant subdural empyema in an infant: sonographic observations, Neuroradiol 1990; **32:** 154
Raghavan D: keynote address: a critical assessment of trials of neoadjuvant (preemptive) chemotherapy for bladder cancer: lesson for future studies of combined modality treatment, Int J Radiat Oncol Biol Phys 1991; **20:** 233
Raghavan N See **Barkovich AJ**
Raghavan N; Barkovich AJ; Edwards M; et al: MR imaging in the tethered spinal cord syndrome, AJNR 1989; **10:** 27
Raghavendra BN See **Bosniak MA**
Raghavendra BN See **Smith SJ**
Raghavendra BN See **Speirs RT**
Raghavendra BN See **Yee JM**
Raghunand N See **Gillies RJ**
Ragland RL See **Hermann G**
Ragland RL; Abdelwahab IF; Braffman B; et al: posterior spinal tuberculosis: a case report, AJNR 1990; **11:** 612
Ragland RL; Duffis AW; Gendelman S; et al: central pontine myelinolysis with clinical recovery: MR documentation, JCAT 1989; **13:** 316
Ragland RL; Moss DS; Duffis AW; et al: CT and MR findings in diffuse cerebral histiocytosis: case report, AJNR 1991; **12:** 525
Ragland RL; Wagner LD; Huang YP; et al: streaming hypointensity in hemorrhagic glioblastoma multiforme: an illustrative case, Neuroradiol 1990; **32:** 241
Ragnarsson JI; Ekelund L; Kärrholm J; et al: low field magnetic resonance imaging of femoral neck fractures, Acta Radiol 1989; **30:** 247
Ragnhult I; Holmberg E; Mattsson S: relationship between kerma and treatment volume in intracavitary radiation therapy, Acta Oncol 1990; **29:** 307
Ragno P See **Pagliano M**
Ragozzino MW See **Chisin R**
Ragozzino MW; Singletary H; Patrick R: familial splenic epidermoid cyst, AJR 1990; **155:** 1233
Rahm B See **Coates R**
Rahman MA See **Parvez Z**
Rahmouni A See **Mathieu D**
Rahmouni A See **Ricci C**
Rahmouni AD See **Caskey CI**
Rahmouni AD See **Tempany CMC**
Raichle ME See **Mathias CJ**
Raider L; Landry BA; Brogdon BG: retrotracheal triangle, Radiographics 1990; **10:** 1055
Raillat C; Rousseau H; Joffre F; et al: treatment of iliac artery stenoses with the Wallstent endoprosthesis, AJR 1990; **154:** 613
Raillat CR See **Rousseau HP**

Raineri P See **Livraghi T**
Rainey AJ See **Athanasou NA**
Raininko R; Riihelä M: blood clot formation in angiographic catheters: in vitro tests with various contrast media, Acta Radiol 1990; **31:** 217
Raininko R; Ylinen S-L: prevention and dispersion of contrast media induced red cell aggregates: an in vitro study, Acta Radiol 1990; **31:** 309
Raizner AE See **Zacca NM**
Rajagopalan B See **Murphy EJ**
Rajagopalan B See **Som PM**
Rajagopalan R See **White DH**
Rajah R: case report 513, Skeletal Radiol 1989; **17:** 601
Rajah RR: effects of Buscopan on gastro-oesophageal reflux and hiatus hernia, Clin Radiol 1990; **41:** 250
Rajani M See **Sharma S**
Rajani RM See **Lokhandwala YY**
Rajbhandari S See **Banskota AK**
Rajfer J See **Fuchs AM**
Rajfer J; Canan V; Dorey FJ; et al: correlation between penile angiography and duplex scanning of cavernous arteries in impotent men, (ab), Radiology 1991; **178:** 293
Rajfer J; Rosciszewski A; Mehringer M: prevalence of corporeal venous leakage in impotent men, (ab), Radiology 1989; **170:** 585
Raji V See **Indrani S**
Rajmaira S See **Mann DC**
Raju GS See **Dilawari JB**
Raju S See **Hashmat AI**
Raju S See **Morano JU**
Raju S See **Timor-Tritsch IE**
Raju TNK See **Co E**
Raju TNK; Kim SY; Meller JL; et al: circle of Willis blood velocity and flow direction after common carotid artery ligation for neonatal extracorporeal membrane oxygenation, (ab), Radiology 1989; **173:** 588
Rajyaguru V See **Matsumoto T**
Rak KM See **Yakes WF**
Rak KM; Gillogly SD; Schaefer RA; Yakes WF; Liljedahl RR: anterior cruciate ligament reconstruction: evaluation with MR imaging, Radiology 1991; **178:** 553
Rak KM; Hopper KD; Tyler HN: slit infrahepatic IVC: pathologic entity or normal variant?, JCU 1991; **19:** 399
Rak KM; Newell JD II; Yakes WF; et al: paranasal sinuses on MR images of the brain: significance of mucosal thickening, AJNR 1990; **11:** 1211
Rak KM; Newell JD II; Yakes WF; et al: paranasal sinuses on MR images of the brain: significance of mucosal thickening, AJR 1991; **156:** 381
Rakela J See **Johnson CD**
Rakela J See **McGill DB**
Rakić S See **Gerzić Z**
Rakoff S See **Schultz E**
Rakofsky M; Arias C; Wagner JJ: case report 633, Skeletal Radiol 1990; **19:** 532
Ralls PW See **Lim GM**
Ralls PW See **Mayekawa DS**
Ralls PW See **Radin DR**
Ralls PW See **Suminski N**
Ralls PW: color Doppler sonography of the hepatic artery and portal venous system, AJR 1990; **155:** 517
Ralls PW; Jensen MC; Lee KP; et al: color Doppler sonography in acute epididymitis and orchitis, JCU 1990; **18:** 383
Ralls PW; Larsen D; Johnson MB; et al: color Doppler sonography of the scrotum, Semin US CT MR 1991; **12:** 109
Ralls PW; Lee KP; Mayekawa DS; et al: color Doppler sonography of portocaval shunts, JCU 1990; **18:** 379
Ralls PW; Mayekawa DS; Lee KP; et al: use of color Doppler sonography to distinguish dilated intrahepatic ducts from vascular structures, AJR 1989; **152:** 291
Ralston WH See **Adams MD**
Ram Z See **Avrahami E**
Ramachandra S See **Moskovic E**
Ramachandran TP See **Wilkinson JM**
Ramaiya LI See **Walter DF**
Ramakantan R See **Shah P**
Ramakantan R; Shah P: dysphagia due to mediastinal fibrosis in advanced pulmonary tuberculosis, AJR 1990; **154:** 61
Ramakantan R; Shah P: intramural pseudodiverticulosis of the esophagus in corrosive strictures: report of three cases, J Canad Assoc Radiol 1990; **41:** 90
Ramakantan R; Shah P: tuberculous fistulas of the pharynx and esophagus, Gastrointest Radiol 1990; **15:** 145
Ramamurthy L; Cooper RA: metastatic carcinoma to the male breast, Br J Radiol 1991; **64:** 277
Ramamurthy S See **Marsan RE**
Ramamurthy S See **Parvez Z**
Raman R See **Thomas A**
Raman S See **Dales RE**
Raman S; Rachagan SP; Lim CT: prenatal diagnosis of a posterior fossa cyst, JCU 1991; **19:** 434
Ramanathan P; Patel RB; Subrahmanyam N; et al: visualization of suppressed thyroid tissue by technetium-99m-tertiary butyl isonitrile: an alternative to post-TSH stimulation scanning, J Nucl Med 1990; **31:** 1163
Ramanauskas WL; Wilner HI; Metes JJ; et al: MR imaging of compressive myelomalacia, JCAT 1989; **13:** 399
Ramani SK See **Malpani AR**
Ramani SK; Ismael AH: barium sulfate absorption and sensitivity, Radiology 1990; **174:** 895
Ramanna L; Waxman A; Binney G; et al: thallium-201 scintigraphy in bone sarcoma: comparison with gallium-67 and technetium-MDP in the evaluation of chemotherapeutic response, J Nucl Med 1990; **31:** 567
Ramanna L; Waxman A; Braunstein G: thallium-201 scintigraphy in differentiated thyroid cancer: comparison with radioiodine scintigraphy and serum thyroglobulin determinations, J Nucl Med 1991; **32:** 441
Ramberg K See **Oates E**
Rambow A See **Staritz M**
Ramchandani P; Koolpe HA; Zeit RM: splaying of titanium Greenfield inferior vena caval filter, AJR 1990; **155:** 1103
Ramchandani P; Morris MC; Zeit RM: acute limb ischemia due to arterial embolism of tumor, Cardiovasc Intervent Radiol 1990; **13:** 372
Ramchandani P; Zeit RM; Koople HA: bilateral iliac vein filtration: an effective alternative to caval filtration in patients with megacava, (ab), JVIR 1991; **2:** 412
Ramée A See **Frocrain L**
Ramee SR See **White CJ**
Ramirez EA See **Teixidor HS**
Ramirez G; Savader S; Farber S; et al: low-dose captopril scintigraphy in the evaluation of renovascular hypertension, Clin Nucl Med 1990; **15:** 480
Ramirez JC See **García MJ**
Ramji S See **Sharma BK**
Ramm P: image analyzers for bioscience applications, Comput Med Imag Graph 1990; **14:** 287
Ramon FA; Degryse HR; De Schepper AM; et al: calcific tendinitis of the vastus lateralis muscle: a report of three cases, Skeletal Radiol 1991, **20:** 21
Ramon P See **Remy-Jardin M**
Ramos A; Castelló J; Pinto I: intestinal intussusception as a presenting feature of choledochocele, Gastrointest Radiol 1990; **15:** 211
Ramos E See **Borders J**
Ramos E See **Gundry CR**
Ramos E See **O'Malley M**
Ramos EC See **Hoener B-a**
Ramos IM See **Bates SM**
Ramos IM See **Kier R**
Ramos IM See **Taylor KJW**
Ramos LMP See **Chung MEW**
Ramos LMP See **Kappelle LJ**
Ramos MV See **Matalon TAS**
Ramos R See **Abdelwahab IF**
Ramos R; Som PM; Solodnik P: nasopharyngeal melanotic melanoma: MR characteristics, JCAT 1990; **14:** 997
Ramsay J; Zietman A; Preffer F; et al: growth and cell kinetics of a secondary tumor after radiation or surgical treatment of the primary tumor, Int J Radiat Oncol Biol Phys 1989; **17:** 809
Ramsay N See **Kim TH**
Ramsay SC; Yeates MG; Ho LCY: bone scanning in the early assessment of nasal bone graft viability, J Nucl Med 1991; **32:** 33
Ramsay SC; Yeates MG; Lord RS; et al: use of technetium-HMPAO to demonstrate changes in cerebral blood flow reserve following carotid endarterectomy, J Nucl Med 1991; **32:** 1382
Ramsdale ML; Hiles PA; Lawinski CP: alignment test jig for measuring the effective focal-spot size of mammographic x-ray tubes, Br J Radiol 1989; **62:** 484
Ramsdale ML; Walker WJ; Horton PW: extremity doses during interventional radiology, Clin Radiol 1990; **41:** 34
Ramsey RG See **Runge VM**
Ramsey RG See **Sagel SS**
Rana J; Davis SE; Harrigan JT: improving the outcome of cervical cerclage by sonographic follow-up, J Ultrasound Med 1990; **9:** 275
Ranade SS; Trivedi PN; Bamane VS: mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Radiology 1990; **174:** 284
Rance RM See **Goodman P**
Rand JC; Burton EM; Tonkin ILD; et al: hyperdense choroid plexus: a CT finding associated with aortic arch obstruction in the newborn, Pediatr Radiol 1990; **21:** 2
Rand PK; Ball WS Jr; Kulwin DR: congenital nasolacrimal mucoceles: CT evaluation, Radiology 1989; **173:** 691
Rand R See **To SYC**
Rand T See **Rusinek H**
Randall M See **Greven KM**
Randall ME; Springer DJ; Raben M: T1-T2 carcinoma of the glottis: relative hypofractionation, Radiology 1991; **179:** 569
Randall ME; Wilder J; Greven K; et al: role of intracavitary cuff boost after adjuvant external irradiation in early endometrial carcinoma, Int J Radiat Oncol Biol Phys 1990; **19:** 49
Randall PA See **Groskin SA**
Randall PA See **Scalzetti EM**
Randall PA; Heitzman ER; Bull MJ; Scalzetti EM; Williams SK; Gordon LP; Markarian B: pulmonary arterial hypertension: a contemporary review, Radiographics 1989; **9:** 905
Randhawa P See **Yousem SA**
Randjelović T See **Gerzić Z**
Randleman CD; Unger ER; Mansour KA: malignant fibrous histiocytoma of the trachea, (ab), Radiology 1991; **179:** 292
Raney M See **Teitelbaum GP**
Rangel-Guerra R See **Martinez HR**
Ranger N See **Thompson CJ**
Ranger NT; Thompson CJ; Evans AC: application of a masked orbiting transmission source for attenuation correction in PET, J Nucl Med 1989; **30:** 1056
Rango M See **Greenberg JH**
Rank W See **Schoenberger SG**
Rankin RN: maintenance of competence in radiology, J Canad Assoc Radiol 1990; **41:** 121
Rankin RN; Vellet DA: portobiliary fistula: occurrence and treatment, J Canad Assoc Radiol 1991; **42:** 55
Rankin RN; Vellet DA; O'Kelly KF: biliary-jejunal drainage for failed biliary-duodenal drainage, J Canad Assoc Radiol 1991; **42:** 106
Rankin S: role of computerized tomography in the staging of oesophageal cancer, Clin Radiol 1990; **42:** 152
Ranner G See **Ebner F**
Ranner G; Ebner F; Fotter R; et al: magnetic resonance imaging in children with acute hip pain, Pediatr Radiol 1989; **20:** 67
Ranner G; Ebner F; Fueger GF; et al: abdominal metastases of an ovarian cancer demonstrated on bone imaging, Clin Nucl Med 1989; **14:** 124
Ranney D See **Goldstein A**
Rannikko S See **Taavitsainen M**
Ransom D See **Anderson JEM**
Ranson JHC See **Balthazar EJ**
Ranum DL See **Haug PJ**
Rao A; Kagan AR; Steckel RJ: asymptomatic haematuria and abnormal urine cytology, Br J Radiol 1989; **62:** 864
Rao AR See **Ryoo MC**
Rao AS See **Rao VRK**
Rao AS; Rao VRK; Mandalam KR; et al: corpus callosum lipoma with frontal encephalocele, Neuroradiol 1990; **32:** 50
Rao BN; Hayes A; Thompson EI; et al: chest wall resection for Ewing's sarcoma of the rib: an unnecessary procedure, (ab), Radiology 1989; **170:** 592
Rao BR; Slotman BJ; Geldof AA; et al: radiation sensitivity of Copenhagan rat prostatic carcinoma (R3327-AT and R3327-MATLyLu), Int J Radiat Oncol Biol Phys 1991; **20:** 981
Rao GUV See **Suleiman OH**
Rao KJM; Blake H; Theodossi A: use of a modified angioplasty balloon catheter in the dilatation of tight biliary structures, (ab), Radiology 1990; **177:** 595
Rao KR; Fritz-Niggli H: response of murine small intestine to combined treatment with fostriecin and x rays, Br J Radiol 1990; **63:** 286
Rao M; Mukhopadhyay S; Bhargava S: unusual manifestation of extramedullary haematopoiesis in thalassaemia major (report of 2 cases), Australas Radiol 1989; **33:** 187
Rao MG: enlarged left lobe of the liver mistaken for a mass in the splenic region, Clin Nucl Med 1989; **14:** 134
Rao PV See **Ellis ER**
Rao RCK See **Sood S**
Rao RH; Vagnucci AH; Amico JA: bilateral massive adrenal hemorrhage: early recognition and treatment, (ab), Radiology 1989; **172:** 885
Rao SM See **Yetkin FZ**
Rao TN See **Kasina S**
Rao VM See **Flanders AE**
Rao VM See **March DE**
Rao VM See **Siegelman ES**
Rao VM See **Tom BM**
Rao VM See **Wechsler RJ**
Rao VM; Farole A; Karasick D: temporomandibular joint dysfunction: correlation of MR imaging, arthrography, and arthroscopy, Radiology 1990; **174:** 663

Rao VRK See **Gupta AK**
Rao VRK See **Kumar S**
Rao VRK See **Rao AS**
Rao VRK See **Ravimandalam K**
Rao VRK; Mandalam KR; Gupta AK; et al: dissolution of isobutyl 2-cyanoacrylate on long-term follow-up, AJNR 1989; **10:** 135
Rao VRK; Mandalam KR; Joseph S; Satija V; Gupta VK; Gupta AK; Jain SK; Unni MN; Rao AS: embolization of large saccular aneurysms with Gianturco coils, Radiology 1990; **175:** 407
Rao VRK; Ravimandalam K; Jayakrishnan A; et al: hydrolysed microspheres from cross-linked polymethyl methacrylate (Hydrogel): a new embolic material for interventional neuroradiology, J Neuroradiol 1991; **18:** 61
Raoul J-L; Bretagne J-F; Gastard J: other causes of distal esophageal ballooning, Radiology 1989; **170:** 280
Rapacchietta D See **Kallman RF**
Rapaccini GL See **Derchi LE**
Rapacki TFX; Brantley MJ; Furlow TW Jr; et al: heterogeneity of cerebral cavernous hemangiomas diagnosed by MR imaging, JCAT 1990; **14:** 18
Raphael MJ See **Chong WK**
Raphael MJ See **Donald JJ**
Rapoport MI See **Turner DA**
Rapoport S See **Takasugi JE**
Rapp JH See **Gooding GAW**
Rapp JH; Kerlan R; Ring EJ; et al: preoperative balloon-tipped catheter placement for proximal control in visceral artery aneurysm surgery, (ab), Radiology 1989; **170:** 902
Rappaport DC See **Herman SJ**
Rappaport DC; Cumming WA; Ros PR: disseminated hepatic and splenic lesions in cat-scratch disease: imaging features, AJR 1991; **156:** 1227
Rappaport DC; Weisbrod GL; Herman SJ; et al: cyclosporine-induced lymphoma following a unilateral lung transplant, J Canad Assoc Radiol 1989; **40:** 110
Rappaport DC; Weisbrod GL; Herman SJ; et al: pulmonary lymphangioleiomyomatosis: high-resolution CT findings in four cases, AJR 1989; **152:** 961
Raptopoulos V See **Dupuy DE**
Raptopoulos V See **Kelly J**
Raptopoulos V See **Scatamacchia SA**
Raptopoulos V See **Schuster JJ**
Raptopoulos V: technical principles in CT evaluation of the gut, Radiol Clin North Am 1989; **27:** 631
Raptopoulos V; Davis LM; Lee G; et al: factors affecting the development of pneumothorax associated with thoracentesis, AJR 1991; **156:** 917
Raptopoulos V; Fink MP: CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Radiology 1991; **180:** 309
Raptopoulos V; Fink MP: CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Radiology 1991; **180:** 309
Rasey JS See **Martin GV**
Rasey JS; Koh W-j; Grierson JR; et al: radiolabeled fluoromisonidazole as an imaging agent for tumor hypoxia, Int J Radiat Oncol Biol Phys 1989; **17:** 985
Rashid SA; Adam WR; Craik DJ; et al: factors affecting ^{39}K NMR detectability in rat tissue, Magn Res Med 1991; **17:** 213
Rashid T See **Roszler MH**
Raskob GE See **Hull RD**
Rasmuson T; Björk GR; Hietala S-O; et al: excretion of pseudouridine as an independent prognostic factor in renal cell carcinoma, Acta Oncol 1991; **30:** 11
Rasmussen C; Larsson SG; Bergh T: occurrence of macroscopical pituitary calcifications in prolactinomas, Neuroradiol 1990; **31:** 507
Rasmussen F See **Georgsen J**
Rasmussen F See **Lindequist S**
Rasmussen F; Antonsen S; Georgsen J: granulocyte enzymes and complement after an anaphylactoid reaction to coronary angiography, Eur J Radiol 1991; **13:** 46
Rasmussen F; Dyreborg U; Larsen C; et al: intravenous urography with a new non-ionic contrast media in a clinical phase III study: iopentol vs iohexol, Clin Radiol 1990; **41:** 37
Rasmussen F; Georgsen J; Pedersen JO: granulocyte chemotaxis: chemoattractive properties of a synthetic tripeptide are inhibited by radiographic contrast media, Acta Radiol 1989; **30:** 93
Rasmussen F; Lindequist S; Larsen C; Justesen P: therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Radiology 1991; **179:** 75
Rasmussen JF See **Miles SG**
Rasmussen JF See **Pry R**
Rasmussen JW See **Schmidt KG**
Rasmussen OS See **Gregersen HE**
Rasmussen OS; Boris P: ultrasound guided puncture of pleural fluid collections and superficial thoracic masses, Eur J Radiol 1989; **9:** 91
Rasuli P; Hammond DI; Eidus LB; et al: peptic ulcer-induced gastroaortic fistula: difficulty in making the diagnosis with selective angiography, J Canad Assoc Radiol 1990; **41:** 151
Rasuli P; McLeish WA; Hammond DI: anticoagulant effects of contrast materials: in vitro study of iohexol, ioxaglate, and diatrizoate, AJR 1989; **152:** 309
Ratcliffe J; Tait J; Lisle D; Leditschke JF; Bell J: segmental dilatation of the small bowel: report of three cases and literature review, Radiology 1989; **171:** 827
Ratcliffe JF See **Lisle D**
Rath AR See **Garwood M**
Rath AR: efficient remote transmission line probe tuning, Magn Res Med 1990; **13:** 370
Rathakrishnan V See **Nuruddin RN**
Rathakrishnan V; Mohd TH: osteo-articular tuberculosis: a radiological study in a Malaysian hospital, Skeletal Radiol 1989; **18:** 267
Rathakrishnan V; Mohd TH; Kandiah R: cerebral arteriovenous malformation—an unusual site, Neuroradiol 1989; **31:** 107
Rathaus V; Zissin R; Goldberg E: spontaneous rupture of an epidermoid cyst of spleen: preoperative ultrasonographic diagnosis, JCU 1991; **19:** 235
Ratib O See **Ho BKT**
Ratib OM See **Brunken RC**
Ratliff C Jr See **Spiegler EJ**
Ratner AV See **Rubin DL**
Ratner AV See **Young SW**
Ratner AV; Quay S; Muller HH; et al: ^{19}F relaxation rate enhancement and frequency shift with Gd-DTPA, Invest Radiol 1989; **24:** 224
Ratschek M See **Ring E**
Rattner DW; Gu Z-Y; Vlahakes GJ; et al: hyperamylasemia after cardiac surgery: incidence, significance, and management, (ab), Radiology 1989; **173:** 289
Ratto GB; Piacenza G; Frola C; et al: chest wall involvement by lung cancer: computed tomographic detection and results of operation, (ab), Radiology 1991; **181:** 910
Ratzka M See **Schuknecht B**
Rau WS See **Rauber K**
Raub W Jr See **Sridhar KS**
Rauber K; Franke C; Rau WS: self-expanding stainless steel endotracheal stents: an animal study, Cardiovasc Intervent Radiol 1989; **12:** 274
Raubitschek A See **Shrivastav S**
Raubitschek AA See **Miller RW**
Rauch RA; Friloux LA III; Lott IT: MR imaging of cavitary lesions in the brain with Hurler/Scheie, AJNR 1989; **10:** S1
Rauch S See **Dürr W**
Raudkivi U See **Vijayakumar S**
Raufman J-P See **de Silva R**
Raunest J; Oberle K; Loehnert J; et al: clinical value of magnetic resonance imaging in the evaluation of meniscal disorders, (ab), Radiology 1991; **180:** 591
Raupp P; Kemperdick H: neonatal radiological aspect of enchondromatosis (Ollier's disease), Pediatr Radiol 1990; **20:** 337
Raupp SF See **Kraemer JL**
Rausen A See **Speirs RT**
Rauth VA See **Spirt BA**
Raval B See **Goodman P**
Raval JK See **Preston DS**
Ravasz LA; Terhaard CHJ; Hordijk GJ: radiotherapy in epithelial tumors of the parotid gland: case presentation and literature review, Int J Radiat Oncol Biol Phys 1990; **19:** 55
Raveau V See **Bellin M-F**
Ravegnani M See **Tomá P**
Ravich WJ See **Urban BA**
Raviglione MC: extrapulmonary pneumocystosis: the first 50 cases, (ab), Radiology 1991; **180:** 888
Ravikrishnan KP See **Sherman S**
Ravimandalam K See **Rao VRK**
Ravimandalam K; Rao VRK; Kumar S; et al: obstruction of the infrarenal portion of the abdominal aorta: results of treatment with balloon angioplasty, AJR 1991; **156:** 1257
Ravin CE See **Chotas HG**
Ravin CE See **Floyd CE**
Ravin CE See **Karis JP**
Ravin CE See **Sallee DS**
Ravin CE: gleaning physiologic information from the conventional chest radiograph, Radiology 1991; **179:** 17
Raviola CA See **DeLaney AR**
Ravipati M See **Cholankeril JV**
Ravnikar VA See **Stomper PC**
Rawas MM See **Coode PE**
Rawat B See **Burhenne HJ**
Rawat B See **Fache JS**
Rawat B See **Malone DE**
Rawat B See **Zhou J**
Rawat B; Burhenne HJ: biliary extracorporeal shockwave lithotripsy, Cardiovasc Intervent Radiol 1990; **13:** 258
Rawat B; Burhenne HJ: extracorporeal shock wave lithotripsy of calcified gallstones: work in progress, Radiology 1990; **175:** 667
Rawat B; Fache JS; Burhenne HJ: altered gallbladder contractility after extracorporeal shock-wave cholecystolithotripsy, AJR 1991; **157:** 485
Rawat B; Wolber R; Burhenne HJ: long-term soft-tissue effects of biliary extracorporeal shock waves: an animal study, AJR 1991; **156:** 73
Rawles J See **Mayo A**
Rawlings DJ; Faulkner K; Harrison RM: broad-beam transmission data in lead for scattered radiation produced at diagnostic energies, Br J Radiol 1991; **64:** 69
Rawlinson J See **Colquhoun IR**
Rawlinson J; Brunton FJ: transient diverticula of the colon, Br J Radiol 1989; **62:** 27
Rawlinson J; Coblentz CL; Franic S: case of the month: a pearl of wisdom, Br J Radiol 1991; **64:** 473
Rawlinson J; Colquhoun IR: aneurysms involving the intrapetrous internal carotid artery: a rare cause of Horner's syndrome, Br J Radiol 1990; **63:** 69
Rawlinson J; Tate JJT; Brunton FJ; et al: radiological evidence for the polyp/cancer sequence in the colon, Clin Radiol 1989; **40:** 386
Rawlinson J; Tate JJT; Shepherd DFC; et al: through the colonoscope—a radiologist's view, Clin Radiol 1990; **41:** 253
Rawlinson JA See **Munro P**
Rawson JV: non-mathematical approach to basic MRI, Radiology 1990; **177:** 666
Ray CS See **Staples CA**
Ray JD See **Perry EH**
Ray WA See **Griffin MR**
Raya SP; Udupa JK; Barrett WA: PC-based 3D imaging system: algorithms, software, and hardware considerations, Comput Med Imag Graph 1990; **14:** 353
Raybaud C See **Peretti P**
Raybaud C See **Peretti-Viton P**
Raybaud CA; Strother CM; Hald JK: aneurysms of the vein of Galen: embryonic considerations and anatomical features relating to the pathogenesis of the malformation, Neuroradiol 1989; **31:** 109
Rayhack JM See **Quinn SF**
Raymakers JA; Kapelle JW; van Beresteijn ECH; et al: assessment of osteoporotic spine deformity: a new method, Skeletal Radiol 1990; **19:** 91
Raymond AK See **Carrasco CH**
Raymond AK See **Pan G**
Raymond AK; Raymond PG; Edeiken J: case report 531, Skeletal Radiol 1989; **18:** 143
Raymond PG See **Raymond AK**
Raymond S See **Bednar MM**
Raynal M See **Mazeron JJ**
Raynal M See **Moreaux J**
Raynaud A See **Poulain F**
Raynaud AC See **Long AL**
Raynaud C See **Chiron C**
Raynaud M See **Laurent F**
Rayudu GVS: production of radionuclides for medicine, Semin Nucl Med 1990; **20:** 100
Razvi S See **Isner JM**
Razzuk MA See **Urschel HC Jr**
Rea F; Binda R; Spreafico G; et al: bronchial carcinoids: a review of 60 patients, (ab), Radiology 1989; **173:** 290
Read EJ; Keenan AM; Carter CS; et al: in vivo traffic of indium-111-oxine labeled human lymphocytes collected by automated apheresis, J Nucl Med 1990; **31:** 999
Read JA See **Yancey MK**
Read RC; Yoder G; Schaeffer RC: survival after conservative resection for T1 N0 M0 non-small cell lung cancer, (ab), Radiology 1990; **177:** 891
Reading CC See **Charboneau JW**
Reading CC See **Kriegshauser JS**
Reading CC See **Lewis BD**
Reading CC; Charboneau JW: ultrasound case of the day, Radiographics 1990; **10:** 511
Reading CC; Charboneau JW; Allison JW; Cooperberg PL: color and spectral Doppler mirror-image artifact of the subclavian artery, Radiology 1990; **174:** 41
Reading JC See **Rose SC**
Ready JB; Robertson AD; Goff JS; et al: assessment of the risk of bleeding from esophageal varices by continuous monitoring of portal pressure, (ab), JVIR 1991; **2:** 418
Reagan K See **Meyerovitz MF**
Reale F See **Caputo MG**
Reale FR See **D'Orsi CJ**

Reaman G See **Bulas DI**

Reamer LA: new tools of the trade, Radiology 1990; **174:** 923

Reardon W See **Phelps PD**

Reavis SW See **Hansen KJ**

Rebarber I See **Makhija M**

Rebibo G See **Laissy J-P**

Rebner M See **Helvie MA**

Rebner M; Gross BH; Korobkin M; et al: CT appearance of right gonadal vein, JCAT 1989; **13:** 460

Rebner M; Helvie MA; Pennes DR; Oberman HA; Ikeda DM; Adler DD: paraffin tissue block radiography: adjunct to breast specimen radiography, Radiology 1989; **173:** 695

Rebner M; Pennes DR; Adler DD; Helvie MA; Lichter AS: breast microcalcifications after lumpectomy and radiation therapy, Radiology 1989; **170:** 691

Reboul F See **Scherrer A**

Rebsamen S See **Parker MD**

Rechl HP See **Lehner KB**

Recht A See **Abner AL**

Recht A See **Bornstein BA**

Recht A See **Leopold KA**

Recht A See **Lingos TI**

Recht A; Schnitt SJ; Connolly JL; et al: prognosis following local or regional recurrence after conservative surgery and radiotherapy for early stage breast carcinoma, Int J Radiat Oncol Biol Phys 1989; **16:** 3

Recht M See **Semelka RC**

Recht MP; Burke DR; Meranze SG; et al: simple technique for redirecting malpositioned central venous catheters, AJR 1990; **154:** 183

Recht MP; Coleman BG; Barbot DJ; et al: recurrent esophageal carcinoma at thoracotomy incisions: diagnostic contributions of CT, JCAT 1989; **13:** 58

Reckendorfer H See **Holzmueller P**

Recker F See **Neuerburg JM**

Recoskie MJ; Picard D; Picard M; et al: demonstration of abnormal peritoneal communication in patients with ascites, Clin Nucl Med 1990; **15:** 97

Redd DCB; Yue KT; Martin LG; Kaufman SL: young investigator award: Raman spectroscopy of human atherosclerotic plaque: implications for laser angioplasty, JVIR 1991; **2:** 247

Redd RA; Peters VJ; Emery SF; Branch HM; Rifkin MD: Morton neuroma: sonographic evaluation, Radiology 1989; **171:** 415

Reddi AS; Camerini-Davalos RA: diabetic nephropathy: an update, (ab), Radiology 1990; **176:** 295

Reddy EK See **Krishnan L**

Reddy ER; Onyett H; Fitzgerald GWN: gastric torsion, J Canad Assoc Radiol 1989; **40:** 47

Reddy ER; Smith I; Clarke H: esophageal diverticula, J Canad Assoc Radiol 1989; **40:** 306

Reddy PK See **Wasserman NF**

Reddy R; Subramanian VH; Clark BJ; et al: longitudinal spin-order-based pulse sequence for lactate editing, Magn Res Med 1991; **19:** 477

Reddy S; Faber LP; Baumann LA; et al: preoperative radiation therapy in regionally localized stage III non-small cell lung carcinoma: long-term results and patterns of failure, Int J Radiat Oncol Biol Phys 1990; **19:** 287

Reddy S; Saxena VS; Pellettiere EV; et al: stage I and II non-Hodgkin's lymphomas: long-term results of radiation therapy, Int J Radiat Oncol Biol Phys 1989; **16:** 687

Reddy VM See **Sharma S**

Reddy VV See **Hopper KD**

Redgate ES See **Deutsch M**

Redha F See **Zollikofer CL**

Redman HC See **Baker HL Jr**

Redman HC See **Erdman WA**

Redman HC See **Fletcher TB**

Redman HC See **Howard CA**

Redman HC: route to subspecialty accreditation, Radiology 1989; **172:** 893

Redman HC: what is a radiologist? a "day of imaging" can provide much needed public information, Radiology 1989; **172:** 877

Redmond HP; Stuart R; Hofmann KP; et al: carcinoma of the head of the pancreas, (ab), JVIR 1991; **2:** 419

Redmond J III See **Jelinek JS**

Redmond OM See **Stack JP**

Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT: osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Radiology 1989; **172:** 811

Redmond OM; Stack JP; O'Connor NG; et al: *in vivo* phosphorus-31 magnetic resonance spectroscopy of normal and pathological breast tissues, Br J Radiol 1991; **64:** 210

Redmond PL See **Rothbarth LJ**

Redmond PL; Kumpe DA: technical note: two balloon technique for disimpaction of intrahepatic biliary stones, Cardiovasc Intervent Radiol 1989; **12:** 45

Redpath TW See **Jones RA**

Redpath TW See **Metcalfe MJ**

Redwine EA See **McNeal JE**

Reece EA See **Cullen MT**

Reece EA See **Goldstein I**

Reece EA; Yarkoni S; Abdalla M; et al: prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: I. the fetal head, J Ultrasound Med 1991; **10:** 439

Reece EA; Yarkoni S; Abdalla M; et al: prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: II. the fetal limbs, J Ultrasound Med 1991; **10:** 445

Reed BR See **Jagust WJ**

Reed DH: case report: mycotic pseudoaneurysm of the descending thoracic aorta associated with vertebral osteomyelitis, Clin Radiol 1990; **41:** 427

Reed DH; Dixon AK; Braude PR: ectopic ovaries associated with absent uterus and pelvic kidney: CT findings, JCAT 1990; **14:** 157

Reed DH; Dixon AK; Williams MV: ovarian conservation at hysterectomy: a potential diagnostic pitfall, Clin Radiol 1989; **40:** 274

Reed DH; Nash AF; Valabhji P: radiological diagnosis and management of a solitary tuberculous hepatic abscess, Br J Radiol 1990; **63:** 902

Reed EC; Wolford JL; Kopecky KJ; et al: ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Radiology 1990; **177:** 296

Reed EC; Wolford JL; Kopecky KJ; et al: ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Radiology 1990; **177:** 595

Reed JC See **Hanna JW**

Reed JC See **Smith GM**

Reed JD Jr; Fishman EK; Kuhlman JE; et al: case report 535, Skeletal Radiol 1989; **18:** 161

Reed KL: fetal echocardiography, Semin US CT MR 1991; **12:** 2

Reed MD See **Yakes WF**

Reed MH See **Ackerman T**

Reed MH See **Burdeny DA**

Reed MH See **Pollock AN**

Reed MH See **Shebib SM**

Reed MJ See **Lai LC**

Reede DL See **Holliday RA**

Reede DL See **Som PM**

Reede DL; Bergeron RT; Holliday R: contemporary imaging methodology for diagnosis of lesions of the head and upper neck, Clin Imag 1989; **13:** 179

Reeder GS See **O'Keefe JH Jr**

Reeder JD; Matz SO; Becker L; et al: MR imaging of the knee in the sagittal projection: comparison of three-dimensional gradient-echo and spin-echo sequences, AJR 1989; **153:** 537

Reeder JD; Wolf J; Andelman S; et al: cough/laugh syndrome: MR evaluation, AJNR 1990; **11:** 1022

Reeders JWAJ See **Hulsmans FJH**

Reeders JWAJ See **Majoie CBLM**

Reekers JA; Sprangers RLH; van de Kiey AJ: angioplasty after laser perforation, Cardiovasc Intervent Radiol 1991; **14:** 113

Rees C See **Desai SP**

Rees CR See **Alvarado R**

Rees CR See **Becker GJ**

Rees CR See **Palmaz JC**

Rees CR: blunt splenic trauma and the angiographer: will we go back to the future?, Radiology 1991; **181:** 12

Rees CR; Alvarado R; Palmaz JC; et al: nonselective digital subtraction angiography: compact contrast material bolus for improved image quality, Invest Radiol 1989; **24:** 277

Rees CR; Palmaz JC; Becker GJ; Ehrman KO; Richter GM; Noeldge G; Katzen BT; Dake MD; Schwarten DE: Palmaz stent in atherosclerotic stenoses involving the ostia of the renal arteries: preliminary report of a multicenter study, Radiology 1991; **181:** 507

Rees CR; Palmaz JC; Garcia O; Roeren T; Richter GM; Gardiner G Jr; Schwarten DE; Schatz RA; Root HD; Rogers W: angioplasty and stenting of completely occluded iliac arteries, Radiology 1989; **172:** 953

Rees D; Smith MB; Harley J; et al: *in vivo* functioning of creatine phosphokinase in human forearm muscle, studied by ^{31}P NMR saturation transfer, Magn Res Med 1989; **9:** 39

Rees JIS See **Lewis SL**

Rees JIS; Whyte AM: case report: portal hypertension with a large spontaneous spleno-renal shunt in the absence of splenomegaly, Clin Radiol 1989; **40:** 431

Rees MR See **Scott PJ**

Rees MR; Gehani AA; Ashley S; et al: percutaneous video angioscopy in peripheral vascular disease, Clin Radiol 1989; **40:** 347

Rees RSO See **Kilner PJ**

Rees S See **Mohiaddin RH**

Rees S: George Simon lecture: magnetic resonance studies of the heart, Clin Radiol 1990; **42:** 302

Rees S; Somerville J; Ward C; Martinez J; Mohiaddin RH; Underwood R; Longmore DB: coarctation of the aorta: MR imaging in late postoperative assessment, Radiology 1989; **173:** 499

Rees S; Somerville J; Warnes C; et al: comparison of magnetic resonance imaging with echocardiography and radionuclide angiography in assessing cardiac function and anatomy following Mustard's operation for transposition of the great arteries, (ab), Radiology 1989; **170:** 293

Reese J See **Chandnani VP**

Reese JA See **Miller DL**

Reese JH; Anderson RU; Friedland G: splenic abscess arising by direct extension from a perinephric abscess, Urol Radiol 1990; **12:** 91

Reese ME See **Msall ME**

Reeves RC See **Bittner V**

Reeves T See **Coughlin WF**

Reeves TA See **Moreno AJ**

Reeves WC See **Wagoner LE**

Refsum H See **Kløw NE**

Regan F See **Tran TL**

Regan W; Morrey B: fractures of the coronoid process of the ulna, (ab), Radiology 1990; **175:** 592

Regent D See **Claudon M**

Regent DM See **Gaucher AA**

Regge D See **Gandini G**

Regge D See **Grosso M**

Reghebi K See **Rojas A**

Reginato AJ; Ferreiro JL; O'Connor CR; et al: clinical and pathologic studies of 26 patients with penetrating foreign body injury to the joints, bursae, and tendon sheaths, (ab), Radiology 1991; **180:** 295

Regine WF See **Sagerman RH**

Regine WF; Ayyangar KM; Komarnicky LT; et al: computer-CT planning of the electron boost in definitive breast irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 121

Register TE See **Walker HS**

Rehfeld JF; Bardram L; Blanke S; et al: expression of peptide hormones in normal cells and tumour cells, Acta Oncol 1991; **30:** 429

Rehfeld JF; Bardram L; Cantor P; et al: peptide hormone expression and precursor processing, Acta Oncol 1989; **28:** 315

Rehm K; Seeley GW; Dallas WJ; et al: design and testing of artifact-suppressed adaptive histogram equalization: a contrast-enhancement technique for display of digital chest radiographs, J Thorac Imag 1990; **5-1:** 85

Rehm SR See **Woodring JH**

Rehn SM See **Nyman RS**

Rehn SM; Nyman RS; Glimelius BLG; Hagberg HE; Sundström JC: non-Hodgkin lymphoma: predicting prognostic grade with MR imaging, Radiology 1990; **176:** 249

Rehr RB See **Clarke GD**

Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G: reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Radiology 1989; **172:** 53

Reich D See **Malone DE**

Reichardt BA See **Baran GW**

Reichek N See **Aurigemma G**

Reichek N See **de Roos A**

Reichek N See **Gefter WB**

Reichelt S See **Prokop M**

Reichen J See **Terrier F**

Reichenberger H See **Schneider S**

Reichenstein E See **Fobbe F**

Reicher MA See **Marcus DS**

Reicher MA See **Rubin GD**

Reichert N See **Yellin A**

Reichle R See **Juni JE**

Reichman MV See **Smoker WRK**

Reid B See **Trewhella M**

Reid IN See **Henderson RG**

Reid IR See **Hardy DC**

Reid J See **Nowicki A**

Reid JC See **Marshall JB**

Reid JH See **Abernethy LJ**

Reid JH See **Chapman ME**

Reid JM See **Hallam MJ**

Reid JM See **Soetanto K**

Reid RH See **Ballinger JR**

Reid RH; Gulenchyn KY; Ballinger JR; et al: cerebral perfusion imaging with technetium-99m HMPAO following cerebral trauma: initial experience, Clin Nucl Med 1990; **15:** 383

Reid RH; Gulenchyn KY; Ballinger JR: clinical use of technetium-99m HM-PAO for determination of brain death, J Nucl Med 1989; **30:** 1621
Reidel G See **Senekowitsch R**
Reidy JF See **deSouza NM**
Reidy JF; Rowe PH; Ellis FG: technical report: splenic artery aneurysm embolisation—the preferred technique to surgery, Clin Radiol 1990; **41:** 281
Reifsnyder AC; Smith HJ; Mulhollan TJ; et al: malignant fibrous histiocytoma of the lung in a patient with a history of asbestos exposure, AJR 1990; **154:** 65
Reiheld CT See **Curry NS**
Reijnen JAM; Festen C; van Roosemalen RP: intussusception: factors related to treatment, (ab), Radiology 1991; **178:** 592
Reikerås O See **Høgevold HE**
Reikerås O See **Høiseth A**
Reikerås O: is there a relationship between femoral anteversion and leg torsion?, Skeletal Radiol 1991; **20:** 409
Reikerås O; Høiseth A: patellofemoral relationships in normal subjects determined by computed tomography, Skeletal Radiol 1990; **19:** 591
Reilly BJ See **Rush PJ**
Reilly CR See **Fry FJ**
Reilly DT See **Weissman BN**
Reilly JS: congenital perilymphatic fistula: a prospective study in infants and children, (ab), Radiology 1990; **174:** 591
Reilly LM See **Low RN**
Reilly LM See **Sauer L**
Reiman HM See **Lane RH**
Reimann DA See **Haggar AM**
Reimann HJ See **Gmeinwieser J**
Reimer P See **Domingues RC**
Reimer P See **Prokop M**
Reimer P See **Senéterre E**
Reimer P See **Weissleder R**
Reimer P; Weissleder R; Brady TJ; Yeager AE; Baldwin BH; Tennant BC; Wittenberg J: experimental hepatocellular carcinoma: MR receptor imaging, Radiology 1991; **180:** 641
Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ: asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Radiology 1991; **178:** 769
Reimer P; Weissleder R; Lee AS; Wittenberg J; Brady TJ: receptor imaging: application to MR imaging of liver cancer, Radiology 1990; **177:** 729
Reinartz J See **Nowicki BH**
Reinbold W-D; Adler CP; Kalender WA; et al: accuracy of vertebral mineral determination by dual-energy quantitative computed tomography, Skeletal Radiol 1991; **20:** 25
Reinbold W-D; Wannenmacher M; Hodapp N; et al: osteodensitometry of vertebral metastases after radiotherapy using quantitative computed tomography, Skeletal Radiol 1989; **18:** 517
Reincke M; Allolio B; Saeger W; et al: 'incidentaloma' of the pituitary gland: is neurosurgery required?, (ab), Radiology 1990; **177:** 598
Reiner A See **Salomonowitz E**
Reiner BI See **Mirvis SE**
Reiner BI See **Resnik CS**
Reiner BI See **Rosenbaum RC**
Reinert CM See **Bosse MJ**
Reinfuss M; Skolyszewski J; Radkowski A: poorly differentiated naso- and oropharyngeal carcinoma: a retrospective comparison between the results of radiotherapy alone and radiotherapy plus adjuvant methotrexate, Acta Oncol 1991; **30:** 39
Reinhart MA See **Ablin DS**
Reinhold C; Illescas FF; Atri M; et al: treatment of pleural effusions and pneumothorax with catheters placed percutaneously under imaging guidance, AJR 1989; **152:** 1189
Reinhold HS; Calvo W; Hopewell JW; et al: development of blood vessel-related radiation damage in the fimbria of the central nervous system, Int J Radiat Oncol Biol Phys 1990; **18:** 37
Reinig JW: differentiation of hepatic lesions with MR imaging: the last word?, Radiology 1991; **179:** 601
Reinig JW; Dwyer AJ; Miller DL; Frank JA; Adams GW; Chang AE: liver metastases: detection with MR imaging at 0.5 and 1.5 T, Radiology 1989; **170:** 149
Reinig JW; McDevitt ER; Ove PN: progression of meniscal degenerative changes in college football players: evaluation with MR imaging, Radiology 1991; **181:** 255
Reinig JW; Strait CJ: professional mammographic quality assessment program for a community hospital, Radiology 1991; **180:** 393
Reinitz E See **Trambert J**
Reinke DB See **Lederle FA**
Reintjes AGM See **Hendrikx AJM**
Reis MA See **Mattle HP**
Reis ND See **Zinman C**
Reisberg B See **de Leon MJ**
Reisch JS See **Bonte FJ**
Reiser MF See **Eising EG**
Reiser MF See **Erlemann R**
Reiser MF See **Vassallo P**
Reiser MF; Bongartz GP; Erlemann R; et al: gadolinium-DTPA in rheumatoid arthritis and related diseases: first results with dynamic magnetic resonance imaging, Skeletal Radiol 1989; **18:** 591
Reisman J See **Roeren T**
Reisser C See **Haberkorn U**
Reisto T See **Paajanen H**
Reizine D See **Biondi A**
Reizine D See **Soyer P**
Rekate HL See **Dickman CA**
Relland JY See **Long AL**
Reller MD See **Rice MJ**
Remer EM; Weinfeld RM; Glazer GM; Quint LE; Francis IR; Gross MD; Bookstein FL: hyperfunctioning and nonhyperfunctioning benign adrenal cortical lesions: characterization and comparison with MR imaging, Radiology 1989; **171:** 681
Remes J See **Manninen H**
Remick SC See **Braun MA**
Remick SC; Diamond C; Migliozzi JA; et al: primary central nervous system lymphoma in patients with and without the acquired immune deficiency syndrome: a retrospective analysis and review of the literature, (ab), Radiology 1991; **179:** 591
Remley K See **Tsuruda JS**
Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB: pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Radiology 1990; **174:** 383
Remley KB; Harnsberger HR; Jacobs JM; et al: radiologic evaluation of pulsatile tinnitus and the vascular tympanic membrane, Semin US CT MR 1989; **10:** 236
Remotti F See **Gold RH**
Rempen A: diagnosis of viability in early pregnancy with vaginal sonography, J Ultrasound Med 1990; **9:** 711
Rempen A: sonographic first-trimester diagnosis of umbilical cord cyst, JCU 1989; **17:** 53
Remy C See **Bourgeois D**
Remy C; Von Kienlin M; Lotito S; et al: *in vivo* ^{1}H NMR spectroscopy of an intracerebral glioma in the rat, Magn Res Med 1989; **9:** 395
Remy J See **Remy-Jardin M**
Remy-Jardin M See **Lenoir S**
Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J: subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Radiology 1990; **177:** 133
Remy-Jardin M; Degreef JM; Beuscart R; Voisin C; Remy J: coal worker's pneumoconiosis: CT assessment in exposed workers and correlation with radiographic findings, Radiology 1990; **177:** 363
Remy-Jardin M; Remy J; Deffontaines C; Duhamel A: assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Radiology 1991; **181:** 157
Remy-Jardin M; Remy J; Ramon P; et al: mediastinal bronchial artery aneurysm: dynamic computed tomography appearance, Cardiovasc Intervent Radiol 1991; **14:** 118
Remy-Jardin M; Wattinne L; Remy J: transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Radiology 1991; **180:** 699
Ren H See **Hruban RH**
Ren H See **Kuhlman JE**
Ren H; Hruban RH; Kuhlman JE; et al: computed tomography of inflation-fixed lungs: the beaded septum sign of pulmonary metastases, JCAT 1989; **13:** 411
Ren H; Kuhlman JE; Hruban RH; et al: CT of inflation-fixed lungs: wedge-shaped density and vascular sign in the diagnosis of infarction, JCAT 1990; **14:** 82
Ren H; Kuhlman JE; Hruban RH; et al: CT-pathology correlation of amiodarone lung, JCAT 1990; **14:** 760
Renaud I See **Brauer M**
Rendell B See **Roberts DS**
Rendina EA See **Pescarmona E**
Rendina EA See **Ricci C**
Rendina EA; Venuta F; Ceroni L; et al: computed tomographic staging of anterior mediastinal neoplasms, (ab), Radiology 1989; **171:** 882
Renfreu D: orthopedic radiology: a practical approach, Radiology 1990; **176:** 484
Renfrew DL See **Fleege MA**
Renfrew DL See **Garneau RA**
Renfrew DL See **Peterson KK**
Renfrew DL; Whitten CG; Wiese JA; El-Khoury GY; Harris KG: CT-guided percutaneous transpedicular biopsy of the spine, Radiology 1991; **180:** 574
Renner JB See **Nance KV**
Renner JB; Agee MW: treatment of suppurative arthritis by percutaneous catheter drainage, AJR 1990; **154:** 135
Renner WD; O'Connor TP; Bermudez NM: algorithm for design of beam compensators, Int J Radiat Oncol Biol Phys 1989; **17:** 227
Renner WR; Johnson JF; Lichtenstein JE; Kirks DR: esophageal inflammation and stricture: complication of chronic granulomatous disease of childhood, Radiology 1991; **178:** 189
Rennie D; Bero LA: throw it away, Sam: the controlled circulation journals, AJR 1990; **155:** 889
Rennie J See **Murphy NP**
Rensing BJ See **Strauss BH**
Renslo R See **Koci TM**
Renu G See **Harinarayana CV**
Renwick IGH: type III dens fracture and its associated soft-tissue injuries: a different form of hangman's fracture, Br J Radiol 1990; **63:** 495
Renwick IGH; Fowler RC: double-blind comparison of iopromide and iopamidol in intravenous urography, Clin Radiol 1990; **41:** 405
Repa I See **Leach KR**
Repa I; Moradian GP; Dehner LP; Tadavarthy SM; Hunter DW; Castaneda-Zuniga WR; Wright GB; Katkov H; Johnson P; Chrenka B; Amplatz K: mortalities associated with use of a commercial suspension of polyvinyl alcohol, Radiology 1989; **170:** 395
Repa I; Yedlicka JW; Hunter DW; Castaneda-Zuniga WR; Urness M; Amplatz K: retrograde left atrial catheterization, Radiology 1989; **173:** 565
Reparaz B See **Franquet T**
Requardt H; Offermann J; Erhard P: switched array coils, Magn Res Med 1990; **13:** 385
Resbeut M See **Altschuler C**
Resch H; Pietschmann P; Bernecker P; et al: broadband ultrasound attenuation: a new diagnostic method in osteoporosis, AJR 1990; **155:** 825
Resch L See **Solsberg MD**
Rescorla FJ See **West KW**
Rescorla FJ; Cory D; Vane DW; et al: failure of percutaneous drainage in children with traumatic pancreatic pseudocysts, (ab), JVIR 1991; **2:** 295
Rescorla FJ; Grosfeld JL; West KJ; et al: changing patterns of treatment and survival in neonates with meconium ileus, (ab), Radiology 1990; **174:** 295
Resendes M; Parker BR; Kempson RL; et al: case report 663, Skeletal Radiol 1991; **20:** 222
Residency Review Committee for Radiology: special requirements for subspecialty training in vascular and interventional radiology, JVIR 1991; **2:** 303
Resnick D See **Borders J**
Resnick D See **Cervilla V**
Resnick D See **Chandnani VP**
Resnick D See **Chen C**
Resnick D See **Goto M**
Resnick D See **Gundry CR**
Resnick D See **Habibian A**
Resnick D See **Haller J**
Resnick D See **Ho CP**
Resnick D See **Kang HS**
Resnick D See **Kindynis P**
Resnick D See **Kjellin I**
Resnick D See **Kursunoglu-Brahme S**
Resnick D See **Mitchell MJ**
Resnick D See **O'Malley M**
Resnick D See **Sartoris DJ**
Resnick D See **Schils JP**
Resnick D See **Schweitzer ME**
Resnick D See **Stiles RG**
Resnick D: arthrography of the wrist, (ab), Radiology 1990; **174:** 902
Resnick D: inflammatory disorders of the vertebral column: seronegative spondyloarthropathies, adult-onset rheumatoid arthritis, and juvenile chronic arthritis, Clin Imag 1989; **13:** 253
Resnick DL See **Brahme SK**
Resnick L See **Pascal S**
Resnick MI See **Benson MA**
Resnick MI See **Waterhouse RL**
Resnick SM See **Kohn MI**
Resnik CS See **Young JWR**
Resnik CS: diagnostic imaging of pediatric skeletal trauma, Radiol Clin North Am 1989; **27:** 1013
Resnik CS; Foster WC: achilles tendon ossification and fracture, J Canad Assoc Radiol 1990; **41:** 153
Resnik CS; Goldberg NH; Reiner BI; et al: osseous drill holes to promote granulation tissue: radiologic appearance, Skeletal Radiol 1991; **20:** 205
Resnik CS; Levine AM; Aisner SC; et al: case report 522, Skeletal Radiol 1989; **18:** 66

Resnik CS; Young JWR; Aisner SC; et al: case report 594, Skeletal Radiol 1990; **19:** 79
Resnik CS; Young JWR; Aisner SC; et al: case report 618, Skeletal Radiol 1990; **19:** 371
Resnik CS; Young JWR; Levine AM; et al: case report 544, Skeletal Radiol 1989; **18:** 303
Resnik CS; Young JWR; Levine AM; et al: case report 604, Skeletal Radiol 1990; **19:** 217
Resnik MD See **Blair RH**
Respondek M See **Heyman S**
Ressler JA See **Davis SJ**
Resta M See **Carella A**
Restaino I See **Burk CD**
Restrepo de Rovetto C See **Matsumoto J**
Retik AB See **Docimo SG**
Retik AB See **Hoffer FA**
Retik AB See **Mandell J**
Rettig RA: technology assessment—an update, Invest Radiol 1991; **26:** 165
Reuben DB; Mor V; Hiris J: clinical symptoms and length of survival in patients with terminal cancer, (ab), Radiology 1989; **170:** 296
Reubi JC; Kvols L; Krenning E; et al: in vitro and in vivo detection of somatostatin receptors in human malignant tissues, Acta Oncol 1991; **30:** 463
Reuland P See **Krönert K**
Reuss A See **Bosman G**
Reuss A See **Pijpers L**
Reuss A; Wladimiroff JW; Stewart PA; et al: prenatal diagnosis by ultrasound in pregnancies at risk for autosomal recessive polycystic kidney disease, Ultrasound Med Biol 1990; **16:** 355
Reust P; Wendling D; Lagier R; et al: degenerative spondylolisthesis, synovial cyst of the zygapophyseal joints, and sciatic syndrome: report of two cases and review of the literature, (ab), Radiology 1989; **170:** 588
Reuter GC: essentials of neuroimaging, Radiology 1991; **181:** 700
Reuter KL See **Bierman SM**
Reuter KL See **Caputo MG**
Reuter KL See **Kelly JJ**
Reuter KL See **Malatskey A**
Reuter KL; Daly DC; Cohen SM: septate versus bicornuate uteri: errors in imaging diagnosis, Radiology 1989; **172:** 749
Reuter SR: antitrust principles for radiologists, AJR 1990; **155:** 1331
Reuter V See **Smith J**
Reuther G: device for CT-guided needle punctures: technical note, Cardiovasc Intervent Radiol 1991; **14:** 191
Reuther G; Mutschler W: detection of local recurrent disease in musculoskeletal tumors: magnetic resonance imaging versus computed tomography, Skeletal Radiol 1990; **19:** 85
Reuther G; Wanjura D; Bauer H: acute renal vein thrombosis in renal allografts: detection with duplex Doppler US, Radiology 1989; **170:** 557
Reuwer PJHM See **Bruinse HW**
Revak CS: viewing glasses as an alternative to bifocals, Radiology 1990; **174:** 578
Revazov AV See **Knubovets TL**
Revel D See **Amiel M**
Revel D See **Lenoir S**
Revel D; Corot C; Carrillon Y; et al: ioxaglate-carrying liposomes: computed tomographic study as hepatosplenic contrast agent in rabbits, Invest Radiol 1990; **25:** S95
Revel MP See **Brugières P**
Revel MP; Mann M; Brugieres P; et al: MR appearance of hypertrophic olivary degeneration after contralateral cerebellar hemorrhage, AJNR 1991; **12:** 71
Reveli P See **Axford JS**
Revesz G See **Love MB**
Revesz G; Kundel HL; Bonitatibus M: effect of verification on the assessment of imaging techniques, Invest Radiol 1990; **25:** 461
Révész L; Siracka E; Siracky J; et al: variation of vascular density within and between tumors of the uterine cervix and its predictive value for radiotherapy, Int J Radiat Oncol Biol Phys 1989; **16:** 1161
Rewers AB See **Deutsch M**
Rex DK; Lappas JC; Maglinte DDT; et al: barium enema utilization within a defined geographic region: a survey, Gastrointest Radiol 1990; **15:** 265
Rex DK; Lehman GA; Hawes RH; et al: screening colonoscopy in asymptomatic average-risk persons with negative fecal occult blood tests, (ab), Radiology 1991; **180:** 587
Rex DK; Weddle RA; Lehman GA; et al: flexible sigmoidoscopy plus air contrast barium enema versus colonoscopy for suspected lower gastrointestinal bleeding, (ab), Radiology 1990; **177:** 594
Rey A See **Biondi A**
Reyes CV See **Ackerman L**
Reyes GD: guidance device for CT-guided procedures, Radiology 1990; **176:** 863
Reyes H See **Vade A**
Reyes R See **Maynar M**
Reynaud-Bougnoux A See **Calais G**
Reynaud-Bougnoux A See **Chauvet B**
Reynolds HE See **Jackson VP**
Reynolds HE; Jackson VP: self-referred mammography patients: analysis of patients' characteristics, AJR 1991; **157:** 481
Reynolds JC See **Paik CH**
Reynolds JC See **Sakahara H**
Reynolds JC See **Velchik MG**
Reynolds JC See **Yokoyama K**
Reynolds JH; Graham D; Smith FW: imaging inflammation with $^{99}Tc^{m}$ HMPAO labelled leucocytes, Clin Radiol 1990; **42:** 195
Reynolds K See **Sherouse GW**
Reynolds M See **Joseph AE**
Rezai K: atlas of planar and SPECT bone scans, Radiology 1990; **175:** 212
Rezai K: nuclear medicine procedure manual, Radiographics 1991; **11:** 848
Rezai K: nuclear medicine procedure manual (printed version), Radiology 1991; **181:** 710
Rezai K: tomographic methods in nuclear medicine: physical principles, instruments and clinical applications, Radiology 1991; **180:** 134
Rezai K; Weiss R; Stanford W; et al: relative accuracy of three scintigraphic methods for determination of right ventricular ejection fraction: a correlative study with ultrafast computed tomography, J Nucl Med 1991; **32:** 429
Reznek RH See **Brooks AP**
Reznek RH; Mootoosamy I; Webb JAW; et al: CT in renal and perirenal lymphoma: a further look, Clin Radiol 1990; **42:** 233
Reznikov PD See **Bezirdjian DR**
Rezvani M See **Robbins MEC**
Rezvani M: direct analysis of quantitative data from radiobiological studies on pig lung, Br J Radiol 1990; **63:** 958
Rezvani M; Barnes DWH; Hopewell JW; et al: relative biological effectiveness of fractionated doses of fast neutrons (42 $MeV_{d\rightarrow Be}$) for normal tissues: III. effects on lung function, Br J Radiol 1990; **63:** 875
Rezvani M; Hopewell JW: response of the pig lung to fractionated doses of x rays, Br J Radiol 1990; **63:** 41
Rezza G See **Tirelli U**
Rhame FS See **Kuni CC**
Rhea JT See **Oestmann JW**
Rhea JT See **Schaefer CM**
Rhee JG See **Lee CKK**
Rhee JG; Lee CKK; Osborn J; et al: precooling prevents overheating of subcutaneous fat in the use of RF capacitive heating, Int J Radiat Oncol Biol Phys 1991; **20:** 1009
Rhinehart ER See **Wholey MH**
Rhoads JM See **Drumm B**
Rhodes C See **Kilkenny TE**
Rhodes J See **Clements R**
Rhodes LM See **Bornstein BA**
Rhodes M See **Ellis JH**
Rhodes RE; Friedman HS; Hatten HP Jr; et al: contrast-enhanced MR imaging of neurocutaneous melanosis, AJNR 1991; **12:** 380
Rhodes T See **Twentyman PR**
Rholl KS See **Dolmatch BL**
Rholl KS See **Walker HS**
Rhoton AL Jr See **McCollough WM**
Rhys-Williams S See **Langham-Brown JJ**
Ribalta T; Ro JY; Carrasco CH; et al: case report 638, Skeletal Radiol 1990; **19:** 549
Ribalta T; Shannon RL; Ro JY; et al: case report 645, Skeletal Radiol 1990; **19:** 616
Ribeiro A See **Halvorsen RA Jr**
Ribeiro GG See **Jones JM**
Ricart MJ See **Catafau AM**
Ricci C See **Dalla Palma L**
Ricci C See **Zerhouni EA**
Ricci C; Cova M; Kang YS; Yang A; Rahmouni A; Scott WW Jr; Zerhouni EA: normal age-related patterns of cellular and fatty bone marrow distribution in the axial skeleton: MR imaging study, Radiology 1990; **177:** 83
Ricci C; Rendina EA; Venuta F; et al: diagnostic imaging and surgical treatment of dumbbell tumors of the mediastinum, (ab), Radiology 1991; **179:** 589
Ricci JA See **Hopper KD**
Ricci PB See **Nessi R**
Ricci S See **Rossi C**
Ricci SB See **Nessi R**
Ricciardelli E; Hillel AD; Schwartz AN: aberrant carotid artery: presentation in the near midline pharynx, (ab), Radiology 1990; **174:** 902
Riccio T See **Kursunoglu-Brahme S**
Riccio TJ; Hesselink JR: Gd-DTPA–enhanced MR of multiple cryptococcal brain abscesses, AJNR 1989; **10:** S65
Rice JF; Eggers DM: basal transsphenoidal encephalocele: MR findings, AJNR 1989; **10:** S79
Rice LZ See **Kido DK**
Rice MJ; McDonald RW; Reller MD: diagnosis of coronary artery dehiscence and pseudoaneurysm formation in postoperative Marfan patient by color flow Doppler echocardiography, JCU 1989; **17:** 399
Rice RP See **Knechtle SM**
Rice RP See **Safrit HD**
Rice RP: lowering death rates from colorectal cancer: challenge for the 1990s, Radiology 1990; **176:** 297
Rice S See **Towbin RB**
Rice S; Lee KP; Johnson MB; et al: portal venous system after portosystemic shunts or endoscopic sclerotherapy: evaluation with Doppler sonography, AJR 1991; **156:** 85
Rice S; Stewart CA: synovial sarcoma seen on bone scan, Clin Nucl Med 1990; **15:** 445
Rice TW See **Georgian D**
Rich MW; Crecelius CA: incidence, risk factors, and clinical course of acute renal insufficiency after cardiac catheterization in patients 70 years of age or older: a prospective study, (ab), Radiology 1991; **178:** 292
Rich S; Chomka E; Hasara L; et al: prevalence of pulmonary hypertension in the United States: adult population estimates obtained from estimates of chest roentgenograms from the NHANES II survey, (ab), Radiology 1990; **174:** 900
Rich TA See **Ellerbroek NA**
Rich TA See **Hughes LL**
Rich TA See **Minsky BD**
Rich TA See **Sherman NE**
Richalet JP; Merlet P; Bourguignon M; et al: MIBG scintigraphic assessment of cardiac adrenergic activity in response to altitude hypoxia, J Nucl Med 1990; **31:** 34
Richard F See **Vynckier S**
Richard L See **Diez B**
Richard SB See **Bittoun J**
Richard TC See **Pexman JHW**
Richards B See **Chen MYM**
Richards D See **Anvari M**
Richards DG; Stevenson GW: laxatives prior to small bowel follow-through: are they necessary for a rapid and good-quality examination?, Gastrointest Radiol 1990; **15:** 66
Richards DS; Williams CA; Cruz AC; et al: prenatal sonographic findings in a fetus with Proteus syndrome, J Ultrasound Med 1991; **10:** 47
Richards MA See **Davies RA**
Richards TL: separation of lipids from lactate in experimental allergic encephalomyelitis by zero quantum NMR techniques, Invest Radiol 1989; **24:** 955
Richardson DN See **Elster AD**
Richardson DN; Elster AD; Ball MR: intrasellar trigeminal artery, AJNR 1989; **10:** 205
Richardson DN; Elster AD; Williams DW III: Gd-DTPA–enhanced MR images: accentuation of vascular pulsation artifacts and correction by using gradient-moment nulling (MAST), AJNR 1990; **11:** 209
Richardson JW; Greenfield LJ: natural history and management of iliac aneurysms, (ab), Radiology 1989; **170:** 902
Richardson ML See **Goodsitt MM**
Richardson ML See **Jensen SP**
Richardson ML See **Moore EH**
Richardson ML See **Schwartz AN**
Richardson ML See **Shuman WP**
Richardson ML See **Varnell RM**
Richardson P; Mirvis SE; Scorpio R; et al: value of CT in determining the need for angiography when findings of mediastinal hemorrhage on chest radiographs are equivocal, AJR 1991; **156:** 273
Richardson P; Young JWR; Porter D: CT detection of cortical fracture of the femoral head associated with posterior hip dislocation, AJR 1990; **155:** 93
Richardson R See **McCullough M**
Richardson RB: past and revised risk estimates for cancer induced by irradiation and their influence on dose limits, Br J Radiol 1990; **63:** 235
Richardson RB; Eatough JP; Henshaw DL: dose to red bone marrow from natural radon and thoron exposure, Br J Radiol 1991; **64:** 608
Richie JP See **Benson CB**
Richie JP See **Lentini JF**
Richie JP See **Stomper PC**
Richie JP See **Tumeh SS**
Richie JP See **Vickers MA Jr**
Richli WR See **Carrasco CH**
Richli WR See **Fornage BD**
Richli WR See **Johnston JM**
Richli WR See **O'Keeffe FN**
Richli WR See **Varma DGK**
Richman AH See **Cooper SG**
Richmond B See **Piraino D**

Richmond BJ See **Wegryn SA**
Richmond-Cox K See **Houle S**
Richoz B See **Delcour C**
Richter E See **Feyerabend T**
Richter GM See **Becker GJ**
Richter GM See **Kauffmann GW**
Richter GM See **Palmaz JC**
Richter GM See **Rees CR**
Richter GM; Noeldge G; Palmaz JC; et al: transjugular intrahepatic portosystemic stent-shunt (TIPSS): results of a pilot study, Cardiovasc Intervent Radiol 1990; **13:** 200
Richter GM; Noeldge G; Palmaz JC; Roessle M; Siegerstetter V; Franke M; Gerok W; Wenz W; Farthman E: transjugular intrahepatic portacaval stent shunt: preliminary clinical results, Radiology 1990; **174:** 1027
Richter JE See **Chen YM**
Richter JE See **Ott DJ**
Richter MP See **Arnold C**
Richter S See **Sundell-Bergman S**
Rickards D See **Donald JJ**
Rickards D: imaging the prostate, Clin Radiol 1989; **40:** 335
Rickards D; Jones SN: percutaneous interventional uroradiology, Br J Radiol 1989; **62:** 573
Rickert RR See **Chinn K**
Ricketts HJ See **Greenspan RH**
Rickman D See **Vannier MW**
Ricotta JJ See **Canver CC**
Ricotta JJ See **Faggioli GL**
Riddler SA See **McKinsey DS**
Riddlesberger MM Jr; Cohen HL; Glick PL: swallowed toothbrush: a radiographic clue of bulimia, Pediatr Radiol 1991; **21:** 262
Ridgeway JA See **Chandnani VP**
Ridgway JP See **Turnbull LW**
Ridlen M See **Lambiase RE**
Ridlen MS See **Kravitz JR**
Ried HL See **Stewart RR**
Rieden K See **Fritz P**
Rieder HL; Snider DE Jr; Cauthen GM: extrapulmonary tuberculosis in the United States, (ab), Radiology 1990; **177:** 596
Rieder P See **Hendrickx P**
Riederer SJ See **Brown DG**
Riederer SJ See **Butts RK**
Riederer SJ See **Ehman RL**
Riederer SJ See **Farzaneh F**
Riederer SJ See **Felmlee JP**
Riederer SJ See **Holsinger AE**
Riederer SJ See **Holsinger-Bampton AE**
Riederer SJ See **Korin HW**
Riederer SJ See **Lee JN**
Riederer SJ See **Spritzer CE**
Riederer SJ See **Wang HZ**
Riederer SJ See **Wright RC**
Riederer SJ; Wright RC; Ehman RL; Rossman PJ; Holsinger-Bampton AE; Hangiandreou NJ; Grimm RC: real-time interactive color flow MR imaging, Radiology 1991; **181:** 33
Riederer-Henderson MA See **Forster FK**
Riederer-Henderson MA See **Olerud JE**
Riedl M See **Lammer J**
Riehl J See **Lerch MM**
Riehle RA See **Bregg K**
Riely CA See **Keller MS**
Riemer BL See **Daffner RH**
Rienmüller R See **Kalender WA**
Rienmüller R; Lloret JL; Tiling R; et al: MR imaging of pediatric cardiac tumors previously diagnosed by echocardiography, JCAT 1989; **13:** 621
Rienmüller R; Tiling R: evaluation of paracardiac and intracardiac masses in children, Semin US CT MR 1990; **11:** 246
Riesen A See **Maecke HR**
Riesenfeld V; Hägerstrand I; Lunderquist A: balloon dilatation of the ampulla of Vater: an experimental study in the rabbit, Acta Radiol 1990; **31:** 222
Rieser GD See **Elster AD**
Rieser RP See **McDougall IR**
Riess JG See **Bruneton J-N**
Rifai A See **von Sinner WN**
Riff EJ See **Hugosson CO**
Rifkin MD See **Burk DL Jr**
Rifkin MD See **Dahnert WF**
Rifkin MD See **Dunnick NR**
Rifkin MD See **Kaplan KR**
Rifkin MD See **Mitchell DG**
Rifkin MD See **Redd RA**
Rifkin MD See **Siegelman ES**
Rifkin MD See **Teitelbaum GP**
Rifkin MD See **Vinitski S**
Rifkin MD: MR imaging in the staging of prostate cancer, (ab), Radiology 1991; **181:** 612
Rifkin MD: prostate sonography: clinical indications and implications, Urol Radiol 1989; **11:** 238
Rifkin MD; Alexander AA; Pisarchick J; Matteucci T: palpable masses in the prostate: superior accuracy of US-guided biopsy compared with accuracy of digitally guided biopsy, Radiology 1991; **179:** 41
Rifkin MD; Dähnert W; Kurtz AB: state of the art: endorectal sonography of the prostate gland, AJR 1990; **154:** 691
Rifkin MD; Ehrlich SM; Marks G: staging of rectal carcinoma: prospective comparison of endorectal US and CT, Radiology 1989; **170:** 319
Rifkin MD; McGlynn ET; Choi H: echogenicity of prostate cancer correlated with histologic grade and stromal fibrosis: endorectal US studies, Radiology 1989; **170:** 549
Rigamonti D See **Sadato N**
Rigauts H; Marchal G; Baert AL; et al: initial experience with volume CT scanning, JCAT 1990; **14:** 675
Riggs W Jr See **Burton EM**
Righetti G See **Costa PL**
Righi D See **Gandini G**
Righi D See **Grosso M**
Rigo L See **Armellini F**
Riihelä M See **Raininko R**
Rijke AM; Croft BY; Johnson RA; et al: lymphoscintigraphy and lymphedema of the lower extremities, J Nucl Med 1990; **31:** 990
Rijke AM; Vierhout PA: graded stress radiography in acute injury to the lateral ligaments of the ankle, Acta Radiol 1990; **31:** 151
Rijssen HV See **Jager GJ**
Rijsterborgh H; Mastik F; Lancée CT; et al: relative contributions of myocardial wall thickness and ischemia to ultrasonic myocardial integrated backscatter during experimental ischemia, Ultrasound Med Biol 1991; **17:** 41
Rijsterborgh H; Mastik F; Lancée CT; et al: ultrasonic myocardial integrated backscatter and myocardial wall thickness in animal experiments, Ultrasound Med Biol 1990; **16:** 29
Rikner G See **Brodin O**
Riles TS See **Gueder JW**
Riley C See **Shih W-J**
Riley PM; Weiner DS; Gillespie R; et al: hazards of internal fixation in the treatment of slipped capital femoral epiphysis, (ab), Radiology 1991; **179:** 887
Rilling RJ See **Hyde JS**
Rilling WR See **Grist TM**
Rim CY See **Ra JB**
Rimer BK See **Kessler HB**
Rimer BK; Keintz MK; Kessler HB; Engstrom PF; Rosan JR: why women resist screening mammography: patient-related barriers, Radiology 1989; **172:** 243
Rimer VG See **Fahnestock M**
Rimkus DS; Ashburn WL: lung ventilation scanning with a new carbon particle radioaerosol (technegas): preliminary patient studies, Clin Nucl Med 1990; **15:** 222
Rimkus DS; Gill BM; Baily NA; et al: digital tomosynthesis: phantom and patient studies with a prototype unit, Comput Med Imag Graph 1989; **13:** 307
Rimm AA See **Breger RK**
Rimmer S See **Deacon CS**
Rimmer S See **Taylor PM**
Rimoin DL See **Macken MB**
Rimon D See **Albert DA**
Rinast E See **Gmelin E**
Rinast E; Gmelin E; Hollands-Thorn B: digital subtraction sialography, conventional sialography, high-resolution ultrasonography and computed tomography in the diagnosis of salivary gland diseases, Eur J Radiol 1989; **9:** 224
Rinck PA See **Fischer HW**
Rinck PA See **Kvaerness J**
Rinck PA: cerebrovascular disease, Radiology 1989; **171:** 170
Rinck PA; Smevik O; Nilsen G; Klepp O; Onsrud M; Øksendal A; Børseth A: oral magnetic particles in MR imaging of the abdomen and pelvis, Radiology 1991; **178:** 775
Rinck PA; Svihus R; de Francisco P: MR imaging of the central nervous system in divers, JMRI 1991; **1:** 293
Rinehart D: language of fractures. 2nd ed, Radiology 1991; **179:** 18
Rinehart GC See **Hoffmeister JW**
Ring CS See **Hlatky L**
Ring E; Wendler H; Ratschek M; et al: bone disease of primary hyperoxaluria in infancy, Pediatr Radiol 1989; **20:** 131
Ring EJ See **Chespak LW**
Ring EJ See **Dick BW**
Ring EJ See **Gordon RL**
Ring EJ See **LaBerge JM**
Ring EJ See **Maroney TP**
Ring EJ See **Olcott EW**
Ring EJ See **Rapp JH**
Ring EJ See **Saxon RR**
Ring EJ See **Strandness DE Jr**
Ring EJ See **Wexler L**
Ring EJ: new interventional devices and the need for restraint, Radiology 1989; **170:** 945
Ring EJ: radiologic approach to malignant biliary obstruction: review and commentary, Cardiovasc Intervent Radiol 1990; **13:** 217
Ring EJ; Gordon RL; LaBerge JM; Shapiro HA: malignant biliary obstruction complicated by ascites: transjugular insertion of an expandable metallic endoprosthesis, Radiology 1991; **180:** 579
Ringborg U: adjuvant chemotherapy: a discussion of some basic principles, Acta Oncol 1991; **30:** 251
Ringelstein EB See **Ley-Pozo J**
Ringelstein EB; Kahlscheuer B; Niggemeyer E; et al: transcranial Doppler sonography: anatomical landmarks and normal velocity values, Ultrasound Med Biol 1990; **16:** 745
Ringertz H See **Azavedo E**
Ringertz H See **Erasmie U**
Ringertz H See **Kirks DR**
Ringertz HG; Brasch RC; Gooding CA; et al: quantitative density-time measurements in the lungs of children with suspected airway obstruction using ultrafast CT, Pediatr Radiol 1989; **19:** 366
Rings RW See **Prentice ED**
Rintala R See **Lindahl H**
Riobeiro MB; Greenstein AJ; Yamazaki J; et al: intra-abdominal abscess in regional enteritis, (ab), Radiology 1991; **181:** 611
Riordan DD See **Curtis DJ**
Riou JY See **Pariente D**
Rippe DJ See **Boyko OB**
Rippe DJ See **Uglietta JP**
Rippe DJ; Boyko OB; Friedman HS; et al: Gd-DTPA–enhanced MR imaging of leptomeningeal spread of primary intracranial CNS tumor in children, AJNR 1990; **11:** 329
Rippe DJ; Boyko OB; Fuller GN; et al: gadopentetate-dimeglumine–enhanced MR imaging of gliomatosis cerebri: appearance mimicking leptomeningeal tumor dissemination, AJNR 1990; **11:** 800
Rippe DJ; Boyko OB; Spritzer CE; et al: demonstration of dural sinus occlusion by the use of MR angiography, AJNR 1990; **11:** 199
Rippe DJ; Grist TM; Uglietta JP; et al: carotid body tumor: flow sensitive pulse sequences and MR angiography, JCAT 1989; **13:** 874
Risberg B See **Sorbe B**
Risher WH; Crocker EF Jr; Beckman EN; et al: pulmonary dirofilariasis: the largest single-institution experience, (ab), Radiology 1989; **173:** 592
Risius B See **Coughlin BF**
Risius B See **van Breda A**
Ritchie DA; Frazer CK; Taylor AD; et al: ultrasonic detection of a retroperitoneal haematoma causing duodenal obstruction following ureterolithotomy, Br J Radiol 1990; **63:** 726
Ritchie WP See **Horowitz J**
Ritenour ER: Doppler ultrasound: physics, instrumentation and clinical applications, Radiology 1990; **177:** 346
Ritenour ER: physics and instrumentation of diagnostic medical ultrasound, Radiology 1991; **181:** 362
Ritenour ER: state-of-the-art digital radiography: invited commentary, Radiographics 1991; **11:** 1026
Ritenour ER: ultrasound: its chemical, physical, and biological effects, Radiology 1989; **173:** 136
Ritenour ER; Hendee WR: screening mammography: a risk versus risk decision, Invest Radiol 1989; **24:** 17
Ritschl P; Hajek PC; Pechmann U: fibrous metaphyseal defects: magnetic resonance imaging appearances, Skeletal Radiol 1989; **18:** 253
Ritsema GH; Thijn CJP: painful irritable bowel syndrome and sigmoid contractions, Clin Radiol 1991; **43:** 113
Ritter J See **Erlemann R**
Ritter W See **Maecke HR**
Rittgers SE; Shu MCS: Doppler color-flow images from a stenosed arterial model: interpretation of flow patterns, (ab), Radiology 1991; **179:** 591
Riva A See **Bradac GB**
Rivaton F See **de la Sayette V**
Rivello D See **Hill LM**
Rivera FJ See **Ashenburg RJ**
Rivera FJ See **Palmaz JC**
Rivera JV See **Sostre S**
Rivera M See **Burgos FJ**
Rivera V See **Mawad ME**
Rivera-Luna H; Spiegler EJ: incidental rectus abdominis muscle visualization during bone scanning, Clin Nucl Med 1991; **16:** 523
Riveron FA; Obeid FN; Horst HM; et al: role of contrast radiography in presumed bowel obstruction, (ab), Radiology 1990; **174:** 898
Rivers SP; Patel Y; Delany HM; et al: limited role of arterigraphy in penetrating neck trauma, (ab), Radiology 1989; **170:** 902
Riviello JJ See **Greenberg SB**
Rizk NW See **Lombard CM**
Rizzatto G See **Derchi LE**

Rizzo AJ; Haller JO: is it calcification of the ductus venosus or calcification of the ligamentum teres?: reply, Radiology 1990; **176:** 291

Rizzo AJ; Haller JO; Mulvihill DM; Cohen HL; Da Silva MG: calcification of the ductus venosus: a cause of right upper quadrant calcification in the newborn, Radiology 1989; **173:** 89

Rizzo G See **Arduini D**

Rizzo G; Arduini D; Luciano R; et al: prenatal cerebral Doppler ultrasonography and neonatal neurologic outcome, J Ultrasound Med 1989; **8:** 237

Rizzo M See **Yuh WTC**

Rizzo MJ; Federle MP; Griffiths BG: bowel and mesenteric injury following blunt abdominal trauma: evaluation with CT, Radiology 1989; **173:** 143

Rizzo RJ See **Baxter BT**

Rizzo RJ See **Koch AE**

Rizzo RJ; Flinn WR; Yao JST; et al: computed tomography for evaluation of arterial disease in the popliteal fossa, (ab), Radiology 1990; **176:** 884

Rizzo WB See **Jensen ME**

Ro JY See **Ayala AG**

Ro JY See **Bane BL**

Ro JY See **Ribalta T**

Ro YM See **Cho ZH**

Roach DJ See **Lee F Jr**

Roach M III; Leidholdt EM Jr; Tatera BS; et al: endobronchial radiation therapy (EBRT) in the management of lung cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 1449

Road J See **Mayo JR**

Robalino J See **Rosenblatt M**

Robards JB; Jaques PF; Mauro MA; et al: percutaneous translumbar inferior vena cava central line placement in a critically ill child, Pediatr Radiol 1989; **19:** 140

Robb RA See **Jack CR Jr**

Robb RA See **Vannier MW**

Robb RA; Hanson DP; Karwoski RA; et al: ANALYZE: a comprehensive, operator-interactive software package for multidimensional medical image display and analysis, Comput Med Imag Graph 1989; **13:** 433

Robben SGF See **Post PJM**

Robben SGF See **Smeets AJ**

Robbins AH See **Gerzof SG**

Robbins AH See **Samaraweera RN**

Robbins E See **Pinto RS**

Robbins KV See **Savader SJ**

Robbins KV See **Venbrux AC**

Robbins M See **Beil CL**

Robbins MEC See **Hopewell JW**

Robbins MEC See **Simmonds RH**

Robbins MEC; Campling D; Rezvani M; et al: nephropathy in the mature pig after the irradiation of a single kidney: a comparison with the immature pig, Int J Radiat Oncol Biol Phys 1989; **16:** 1519

Robbins RA See **Witte RJ**

Robbins RC See **Swain JA**

Robbins T See **Fink-Bennett D**

Roberson D See **Mayo JR**

Robert M See **Sirinelli D**

Robert NJ See **Homer MJ**

Roberto A See **Naeser P**

Roberts A See **Bookstein JJ**

Roberts AC See **Fellmeth BD**

Roberts AC See **Valji K**

Roberts AC: bronchial artery embolization therapy, J Thorac Imag 1990; **5-4:** 60

Roberts B: surgical approach to vascular disease, JVIR 1991; **2:** 66

Roberts B-R See **Sataloff RT**

Roberts CS; Roberts WC: aortic dissection with the entrance tear in the descending thoracic aorta: analysis of 40 necropsy patients, (ab), JVIR 1991; **2:** 415

Roberts CS; Roberts WC: aortic dissection with the entrance tear in the descending thoracic aorta: analysis of 40 necropsy patients, (ab), Radiology 1991; **181:** 613

Roberts CS; Roberts WC: dissection of the aorta associated with congenital malformation of the aortic valve, (ab), JVIR 1991; **2:** 416

Roberts D See **Williams CE**

Roberts DR See **Lear JL**

Roberts DS; Rendell B: postmicturition residual bladder volumes in healthy babies, (ab), Radiology 1990; **175:** 888

Roberts DW See **Harris RD**

Roberts EA; Liu P; Stringer D; et al: mesenchymal hamartoma in a 10-month-old infant: appearance by magnetic resonance imaging, J Canad Assoc Radiol 1989; **40:** 219

Roberts GM See **Adams H**

Roberts GM See **Charny MC**

Roberts GM See **Etherington RJ**

Roberts IJ See **Watts ME**

Roberts IM See **Seidner DL**

Roberts JA; Kaack MB; Morvant AB: vesicoureteral reflux in the primate. IV. infection as cause of prolonged high-grade reflux, (ab), Radiology 1989; **170:** 592

Roberts JD See **Clark RA**

Roberts JL See **Banerian KG**

Roberts JL See **Jafri SZH**

Roberts JP See **Letourneau JG**

Roberts JP See **Olcott EW**

Roberts L Jr See **Foster WL Jr**

Roberts MC See **Zlatkin MB**

Roberts MC; Kressel HY; Fallon MD; Zlatkin MB; Dalinka MK: Paget disease: MR imaging findings, Radiology 1989; **173:** 341

Roberts MM; Alexander FE; Anderson TJ; et al: Edinburgh trial of screening for breast cancer: mortality at seven years, (ab), Radiology 1990; **177:** 292

Roberts MS See **Gaisie G**

Roberts N See **Smith SR**

Roberts N; Smith SR; Percy DF; et al: quantitative study of lumbar vertebral bone marrow using T_1 mapping and image analysis techniques: methodology and preliminary results, Br J Radiol 1991; **64:** 673

Roberts P; Davies AM; Starkie CM; et al: nidus of an osteoid osteoma mimicking an os supratrochleare dorsale, Br J Radiol 1990; **63:** 899

Roberts TJ; Epstein B; Lee D-J: second neoplasms in patients with carcinomas of the vocal cord: incidence and implications for survival, Int J Radiat Oncol Biol Phys 1991; **21:** 583

Roberts WC See **Roberts CS**

Robertson AD See **Ready JB**

Robertson AG See **Tait RC**

Robertson AR See **Condon PM**

Robertson CL See **Schaefer CM**

Robertson CL; Kopans DB: communication problems after mammographic screening, Radiology 1989; **172:** 443

Robertson CL; Kopans DB; McCarthy KA; Hart NE: nonpalpable lesions in the augmented breast: preoperative localization, Radiology 1989; **173:** 873

Robertson CN See **Horan JJ**

Robertson CN See **Paulson DF**

Robertson CN; Paulson DF: DNA in radical prostatectomy specimens: prognostic value of tumor ploidy, Acta Oncol 1991; **30:** 205

Robertson CN; Paulson DF: radical surgery versus radiation therapy in early prostatic carcinoma, Acta Oncol 1991; **30:** 239

Robertson DAR See **Campbell C**

Robertson DD See **Drebin RA**

Robertson DD See **Fishman EK**

Robertson G: radiotherapy simulators and independent field wire movement, Br J Radiol 1989; **62:** 366

Robertson HJ; Smith RD: cervical myelography: reply, Radiology 1990; **177:** 590

Robertson HJ; Smith RD: cervical myelography: survey of modes of practice and major complications, Radiology 1990; **174:** 79

Robertson JG See **Hickey NM**

Robertson LJ; Jaques PF; Mauro MA; et al: percutaneous inferior vena cava placement of tunneled silastic catheters for prolonged vascular access in infants, (ab), JVIR 1991; **2:** 301

Robertson LJ; Mauro MA; Jaques PF: radiologic placement of Hickman catheters, Radiology 1989; **170:** 1007

Robertson RJH See **Saifuddin A**

Robertson SJ; Wolpert SM; Runge VM: MR imaging of middle cranial fossa arachnoid cysts: temporal lobe agenesis syndrome revisited, AJNR 1989; **10:** 1007

Robertson WD See **Dalley RW**

Robertson WD See **Graeb DA**

Robertson WD See **Nugent RA**

Robertson WD See **O'Sullivan RM**

Robertson WD: magnetic resonance imaging of the skull base, J Canad Assoc Radiol 1991; **42:** 210

Robey G See **Adler J**

Robida A: diameters of pulmonary veins in normal children—an angiocardiographic study, Cardiovasc Intervent Radiol 1989; **12:** 307

Robillard P See **Chalaoui J**

Robillard P See **Cordeau M-P**

Robillard P See **Miron M-C**

Robillard P See **Morency G**

Robinow JS See **Schild SE**

Robinow JS; Shaw EG; Eagan RT; et al: results of combination chemotherapy and thoracic radiation therapy for unresectable non-small cell carcinoma of the lung, Int J Radiat Oncol Biol Phys 1989; **17:** 1203

Robins HI; Hugander A; Cohen JD: whole body hyperthermia in the treatment of neoplastic disease, Radiol Clin North Am 1989; **27:** 603

Robins HI; Longo WL; Steeves RA; et al: adjunctive therapy (whole body hyperthermia versus lonidamine) to total body irradiation for the treatment of favorable B-cell neoplasms: a report of two pilot clinical trials and laboratory investigations, Int J Radiat Oncol Biol Phys 1990; **18:** 909

Robins JR See **Marlink RG**

Robinson A See **Cronan JJ**

Robinson ACR See **Laurence VM**

Robinson ACR; Khoury GG; Ash DV; et al: evaluation of response following irradiation of juvenile angiofibromas, Br J Radiol 1989; **62:** 245

Robinson ACR; Khoury GG; Carney D: Burkitt's lymphoma in a patient previously treated for Hodgkin's disease, Br J Radiol 1989; **62:** 1089

Robinson AE See **Murayama S**

Robinson AE See **Plavsic B**

Robinson AL See **Mee SL**

Robinson CLN See **Fleisher AG**

Robinson D See **Lear JL**

Robinson DE See **Kossoff G**

Robinson DL See **Balthazar EJ**

Robinson DM; Scrimger JW: monoenergetic approximation of a polyenergetic beam: a theoretical approach, Br J Radiol 1991; **64:** 452

Robinson E See **Front D**

Robinson HJ; Hartleben PD; Lund G; et al: evaluation of magnetic resonance imaging in the diagnosis of osteonecrosis of the femoral head, (ab), Radiology 1990; **174:** 589

Robinson JD See **Coleman CC**

Robinson JD; Crawford SC; Teresi LM; Schiller VL; Lufkin RB; Harnsberger HR; Dietrich RB; Crim JR; Duckwiler GR; Spickler EM; Hanafee WN: extracranial lesions of the head and neck: preliminary experience with Gd-DTPA—enhanced MR imaging, Radiology 1989; **172:** 165

Robinson JD; Eikens PH; Smith TP; et al: stepless needle-dilator for expedient percutaneous catheterization: technical note, Cardiovasc Intervent Radiol 1990; **13:** 329

Robinson JD; Grant EG; Haller JO; et al: hepatic angiomyolipomas in tuberous sclerosis: report of two cases, J Ultrasound Med 1989; **8:** 575

Robinson JD; Yedlicka JW; Bildsoe MC; et al: biocompatibility of compressed collagen foam plugs, Cardiovasc Intervent Radiol 1990; **13:** 36

Robinson K See **Rodgers GP**

Robinson KE; Fosket CD; Fraccola PJ: general case of the day, Radiographics 1990; **10:** 732

Robinson L; Dominguez R; Cabrera J; et al: multiple meningeal cysts in Marfan syndrome, AJNR 1989; **10:** 1275

Robinson MG See **Savolaine ER**

Robinson ML See **Sacks D**

Robinson PA See **AbuRahma AF**

Robinson PJ See **Carey BM**

Robinson PJ See **Phelps PD**

Robinson PJ: lung scintigraphy—doubt and certainty in the diagnosis of pulmonary embolism, Clin Radiol 1989; **40:** 557

Robinson R See **Hawes D**

Robinson RA See **Justin EP**

Robinson RA See **Staples JJ**

Robinson RG; Blake GM; Preston DF; McEwan AJ; Spicer JA; Martin NL; Wegst AV; Ackery DM: strontium-89: treatment results and kinetics in patients with painful metastatic prostate and breast cancer in bone, Radiographics 1989; **9:** 271

Robinson RK See **Schlitt M**

Robinson VJB; Smiseth OA; Scott-Douglas NW; et al: assessment of the splanchnic vascular capacity and capacitance using quantitative equilibrium blood-pool scintigraphy, J Nucl Med 1990; **31:** 154

Robinson WL See **Marino GG**

Robison RO See **Blatter DD**

Robitaille P See **Patriquin HB**

Robitaille P-M; Lew B; Merkle H; et al: transmural metabolite distribution in regional myocardial ischemia as studied with ^{31}P NMR, Magn Res Med 1989; **10:** 108

Robitaille P-M; Merkle H; Lew B; et al: transmural high energy phosphate distribution and response to alterations in workload in the normal canine myocardium as studied with spatially localized ^{31}P NMR spectroscopy, Magn Res Med 1990; **16:** 91

Robitaille P-M; Merkle H; Sako E; et al: measurement of ATP synthesis rates by ^{31}P-NMR spectroscopy in the intact myocardium *in vivo*, Magn Res Med 1990; **15:** 8

Robitaille P-M; Merkle H; Sublett E; et al: spectroscopic imaging and spatial localization using adiabatic pulses and applications to detect transmural metabolite distribution in the canine heart, Magn Res Med 1989; **10:** 14

Robson CN See **Stratford IJ**

Robson WLM See **Leung AKC**

Rocchini AP See **Hernandez RJ**

Rocchini AP; Beekman RH; Shachar GB; et al: balloon aortic valvuloplasty: results of the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Radiology 1990; **177:** 296

Rocco TP See **Dilsizian V**

Rocco TP; Dilsizian V; Fischman AJ; et al: evaluation of ventricular function in patients with coronary artery disease, J Nucl Med 1989; **30:** 1149

Roch C; Pun T; Hochstrasser DF; et al: automatic learning strategies and their application to electrophoresis analysis, Comput Med Imag Graph 1989; **13:** 383

Roche A See **Irving JD**

Roche A See **Soyer P**

Roche A See **Van Beers BE**

Rochon L See **Vieco PT**

Rock JA See **Blask ARN**

Rocker GM; Rose DH; Manhire AR; et al: radiographic differentiation of pulmonary oedema, Br J Radiol 1989; **62:** 582

Rocker I See **Adams M**

Rockett JF: demonstration of medial meniscus tear by three-phase bone imaging, Clin Nucl Med 1991; **16:** 47

Rockett JF: three-phase radionuclide bone imaging in stress injury of the anterior iliac crest, J Nucl Med 1990; **31:** 1554

Rockett JF; Freeman BL III: scintigraphic demonstration of pectineus muscle avulsion injury, Clin Nucl Med 1990; **15:** 800

Rockett JF; Freeman BL III: stress fracture of the patella: confirmation by triple-phase bone imaging, Clin Nucl Med 1990; **15:** 873

Rockett JF; Magill HL; Loveless VS; et al: intravenous dipyridamole thallium-201 SPECT imaging: methodology, applications, and interpretations, Clin Nucl Med 1990; **15:** 712

Rockett JF; Wood WC; Moinuddin M; et al: intravenous dipyridamole thallium-201 SPECT imaging in patients with left bundle branch block, Clin Nucl Med 1990; **15:** 401

Rockette HE See **Gur D**

Rockette HE See **Slasky BS**

Rockette HE; Gur D; Cooperstein LA; et al: effect of two rating formats in multi-disease ROC study of chest images, Invest Radiol 1990; **25:** 225

Rockette HE; Obuchowski NA; Gur D: nonparametric estimation of degenerate ROC data sets used for comparison of imaging systems, Invest Radiol 1990; **25:** 835

Rockey DC; Cello JP: pancreaticopleural fistula: report of 7 patients and review of the literature, (ab), Radiology 1991; **179:** 589

Rocklage SM See **Elizondo G**

Rocklage SM See **Lim KO**

Rocklage SM See **Saeed M**

Rocklage SM; Moseley ME; Kucharczyk J; et al: early detection of perfusion deficits caused by regional cerebral ischemia in cats: T2-weighted magnetic susceptibility MRI using a nonionic dysprosium contrast agent, Invest Radiol 1990; **25:** 537

Rockoff SD; Schwartz A: roentgenographic underestimation of early asbestosis by International Labor Organization classification: analysis of data and probabilities, (ab), Radiology 1989; **170:** 288

Rockwell DT See **Zerin JM**

Rockwell S See **Sostman HD**

Rockwell S; Hughes CS; Kennedy KA: effect of host age on microenvironmental heterogeneity and efficacy of combined modality therapy in solid tumors, Int J Radiat Oncol Biol Phys 1991; **20:** 259

Rockwell S; Moulder JE: hypoxic fractions of human tumors xenografted into mice: a review, Int J Radiat Oncol Biol Phys 1990; **19:** 197

Rocmans P See **Sintzoff SA Jr**

Rodacki MA; Detoni XA; Teixeira WR; et al: CT features of *Cellulosae* and *Racemosus* neurocysticercosis, JCAT 1989; **13:** 1013

Rodacki MA; Mello LR: bilateral dissecting aneurysms of the extracranial vertebral arteries associated with cervical carotid artery aneurysm, AJNR 1990; **11:** 1147

Roddie M See **Adam A**

Roddie M; Adam A; Lambert H; et al: case report 516, Skeletal Radiol 1989; **17:** 611

Roddie ME See **Jackson JE**

Rodesch G See **Fournier D**

Rodesch G See **Lasjaunias P**

Rodesch G See **Parizel PM**

Rodesch G; Parizel PM; Farber C-M; et al: nervous system manifestations and neuroradiologic findings in acquired immunodeficiency syndrome (AIDS), Neuroradiol 1989; **31:** 33

Rodesch G; Van Bogaert P; Mavroudakis N; et al: neuroradiologic findings in leptomeningeal carcinomatosis: the value interest of gadolinium-enhanced MRI, Neuroradiol 1990; **32:** 26

Rodgers AB See **Seibert JJ**

Rodgers B; Seibert JJ: unusual combination of an appendicolith in a leukemic patient with typhlitis—ultrasound diagnosis, JCU 1990; **18:** 191

Rodgers GP; Minor ST; Robinson K; et al: adjuvant therapy for intracoronary stents: investigations in atherosclerotic swine, (ab), JVIR 1990; **1:** 138

Rodgers JE See **Cumberlin RL**

Rodis JF See **Fleming AD**

Rodis JF See **Petrikovsky BM**

Rodis JF; Vintzileos AM; Campbell WA; et al: intrauterine fetal growth in discordant twin gestations, J Ultrasound Med 1990; **9:** 443

Rodman CA; Keeffe EB; Lieberman DA; et al: diagnosis of sclerosing cholangitis with technetium 99m-labeled iminodiacetic acid planar and single photon emission computed tomographic scintigraphy, (ab), Radiology 1989; **170:** 899

Rodman DJ; Atkinson LK; Maxwell DD; et al: bone scan in inferior vena cava obstruction, Clin Nucl Med 1990; **15:** 740

Rodriguez A See **Cornwell EE III**

Rodriguez A See **Goins WA**

Rodriguez AA See **Moreno AJ**

Rodriguez AA See **Toney MAO**

Rodriguez J See **Brunin F**

Rodriguez JP See **Ponomar E**

Rodriguez LD See **Zuckier LS**

Rodriguez LR See **Weinberg B**

Rodriguez M See **Nesbit GM**

Rodriguez O See **Enwemeka CS**

Rodriguez-Cabello J See **Bilbao JI**

Rodriguez-Cabello J See **Longo JM**

Rodriguez-Escudero F See **Calero F**

Rodriguez-Peralto JL See **López-Barea F**

Roe D See **Webber MM**

Roe JY; Tsakalakis PJ; White VA; et al: pulmonary dirofilariasis: the great imitator of primary or metastatic lung tumor—a clinicopathologic analysis of seven cases and a review of the literature, (ab), Radiology 1989; **172:** 585

Roeck WW See **Molloi SY**

Roehm JOF Jr See **Watanabe AT**

Roehrig H See **Pond GD**

Roemer PB See **Bottomley PA**

Roemer PB See **Hayes CE**

Roemer PB; Edelstein WA; Hayes CE; et al: NMR phased array, Magn Res Med 1990; **16:** 192

Roemer RB See **Billard BE**

Roemer RB See **Harari PM**

Roer DA See **Chen CC**

Roeren T See **Palmaz JC**

Roeren T See **Rees CR**

Roeren T; LeVeen RF; Villanueva T; Reisman J: restenosis and successful angioplasty: histologic-radiologic correlation, Radiology 1989; **172:** 971

Roeren TK See **Becker GJ**

Roeske JC; Chen GTY; Atcher RW; et al: modeling of dose to tumor and normal tissue from intraperitoneal radioimmunotherapy with alpha and beta emitters, Int J Radiat Oncol Biol Phys 1990; **19:** 1539

Roesler H See **Kinser JA**

Roessle M See **Richter GM**

Roessner A See **Erlemann R**

Roessner A See **Wuisman P**

Roex L See **Baert AL**

Rofsky NM; Bosniak MA; Megibow AJ; et al: adrenal myelolipomas: CT appearance with tiny amounts of fat and punctate calcification, Urol Radiol 1989; **11:** 148

Rofsky NM; Bosniak MA; Weinreb JC; et al: giant renal cell carcinoma: CT and MR characteristics, JCAT 1989; **13:** 1078

Rofsky NM; Weinreb JC; Bosniak MA; Libes RB; Birnbaum BA: renal lesion characterization with gadolinium-enhanced MR imaging: efficacy and safety in patients with renal insufficiency, Radiology 1991; **180:** 85

Rofstad EK: hypoxia and reoxygenation in human melanoma xenografts, Int J Radiat Oncol Biol Phys 1989; **17:** 81

Rofstad EK; DeMuth P; Fenton BM; et al: ^{31}P NMR spectroscopy and HbO_2 cryospectrophotometry in prediction of tumor radioresistance caused by hypoxia, Int J Radiat Oncol Biol Phys 1989; **16:** 919

Roger B See **Chagnon S**

Roger VL; Tajik AJ; Bailey KR; et al: progression of aortic stenosis in adults: new appraisal using Doppler echocardiography, (ab), Radiology 1990; **176:** 883

Rogers CE See **Spencer JA**

Rogers LF See **Dennis LN**

Rogers LF See **Hendrix RW**

Rogers LF See **Sider L**

Rogers LF See **Walden CA**

Rogers LF; Linton OW: federal regulation and reimbursement initiatives affecting academic radiology departments, Invest Radiol 1990; **25:** 340

Rogers LF; Linton OW: turf and technology: responsibilities and realities, Radiology 1990; **176:** 319

Rogers PE See **Carney PL**

Rogers V See **Stones RW**

Rogers W See **Palmaz JC**

Rogers W See **Rees CR**

Rogers WF; Kraft MA: outpatient angioplasty, Radiology 1990; **174:** 753

Rogers WL See **Mountz JM**

Rogg J; Rutigliano M; Yonas H; et al: acetazolamide challenge: imaging techniques designed to evaluate cerebral blood flow reserve, AJNR 1989; **10:** 803

Roggli V See **Sherrier RH**

Roghair CA: performance of quality assurance audits by students, Radiology 1990; **177:** 586

Rogoff PA See **Bindman DJ**

Rogoff PA: treatment of an esophageal perforation with enteral alimentation and transgastric drainage: case report, Cardiovasc Intervent Radiol 1991; **14:** 247

Rogopoulos A See **Bruneton J-N**

Roh JK See **Chang KH**

Rohrbach R See **Kauffmann GW**

Rohrer MJ; Cardullo PA; Pappas AM; et al: axillary artery compression and thrombosis in throwing athletes, (ab), Radiology 1991; **178:** 295

Rohrmann CA Jr See **Baron RL**

Rohrmann CA Jr; Baron RL: biliary complications of pancreatitis, Radiol Clin North Am 1989; **27:** 93

Roiha M See **Anttinen I**

Roizen NJ See **Glass RBJ**

Roizin-Towle L; Pirro JP: response of human and rodent cells to hyperthermia, Int J Radiat Oncol Biol Phys 1991; **20:** 751

Rojas A See **Hong A**

Rojas A See **Marino C**

Rojas A; Carl U; Reghebi K: effect of normobaric oxygen on tumor radiosensitivity: fractionated studies, Int J Radiat Oncol Biol Phys 1990; **18:** 547

Rojas EL See **Bartone FF**

Rojas KA See **Herman PG**

Rojas KA See **Khan A**

Rokey R See **Mulvagh SL**

Rokonuddin See **Ansari SM**

Roland EH See **Lupton BA**

Roland EH; Flodmark O; Hill A: thalamic hemorrhage with intraventricular hemorrhage in the full-term newborn, (ab), Radiology 1990; **177:** 599

Roland J; Dobbeleir A; Ham HR; et al: continuous anterior acquisitions in gastric emptying: comparison with the mean, Clin Nucl Med 1989; **14:** 881

Roland J; Pouliart C; Raeman F; et al: porcelain gallbladder affecting the assessment of bone mineral content, Clin Nucl Med 1990; **15:** 701

Rolfes DB See **Murphy BJ**

Roll D See **Cordes M**

Rolland Y See **Carsin M**

Rollins ES See **Bower BL**

Rollins ES; Picus D; Hicks ME; et al: angiography is useful in detecting the source of chronic gastrointestinal bleeding of obscure origin, AJR 1991; **156:** 385

Rollins N; Mendelsohn D; Mulne A; et al: recurrent medulloblastoma: frequency of tumor enhancement on Gd-DTPA MR imaging, AJNR 1990; **11:** 583

Rollins N; Mendelsohn D; Mulne A; et al: recurrent medulloblastoma: frequency of tumor enhancement on Gd-DTPA MR imaging, AJR 1990; **155:** 153

Rollins NK See **Landay MJ**

Rollins NK; Andrews WS; Barton RE: transhepatic portal venography in potential pediatric liver transplant recipients, Radiology 1990; **174:** 262

Rom WN; Travis WD; Brody AR: cellular and molecular basis of the asbestos-related diseases, (ab), Radiology 1991; **180:** 884

Román GC: white matter lesions and normal-pressure hydrocephalus: Binswanger disease or Hakim syndrome?, AJNR 1991; **12:** 40

Roman M See **Maynar M**

Roman MJ; Devereux RB; Kramer-Fox R; et al: two-dimensional echocardiographic aortic root dimensions in normal children and adults, (ab), Radiology 1990; **175:** 590

Roman TN; Souhami L; Freeman CR; et al: high dose rate afterloading intracavitary therapy in carcinoma of the cervix, Int J Radiat Oncol Biol Phys 1991; **20:** 921

Romanini C See **Arduini D**

Romano M; Di Bello M; Salmona M; et al: effect of iodinated contrast media on the synthesis and metabolism of leukotriene B4, Invest Radiol 1990; **25:** S25

Romano M; Di Bello M; Salmona M; et al: effect of iodinated contrast media on the synthesis and metabolism of leukotriene B_4, Invest Radiol 1991; **26:** 348

Romano PM See **Henschke CI**

Romano WM See **Bach DB**

Romanul FCA See **Cone L**

Rombach JJ See **Beijerinck D**

Romero C; Dietemann JL; Kurtz D; et al: adrenoleukodystrophy: value of contrast-enhanced MR imaging, J Neuroradiol 1990; **17:** 267

Romero FJ; Ortega A; Ibarra B; et al: post-radiation cranial malignant fibrous histiocytoma studied by CT, Comput Med Imag Graph 1989; **13:** 191
Romero FJ; Rovira M Jr; Ibarra B; et al: arachnoid cysts with intracystic and subdural haematoma, Eur J Radiol 1989; **9:** 119
Romero I See **Sostre S**
Romero R See **Ghidini A**
Romero R See **Jeanty P**
Romero R See **Sirtori M**
Romero R; Athanassiadis AP; Jeanty P: fetal skeletal anomalies, Radiol Clin North Am 1990; **28:** 75
Romero RR See **Martínez OC**
Romestaing P See **Gerard JP**
Romijn RL See **Thijssen JM**
Romijn RL; Thijssen JM; van Delft JL; et al: *in vivo* ultrasound backscattering estimation for tumour diagnosis: an animal study, Ultrasound Med Biol 1989; **15:** 471
Rommel E; Kimmich R: $T_{1\rho}$ dispersion imaging and volume-selective $T_{1\rho}$ dispersion weighted NMR spectroscopy, Magn Res Med 1989; **12:** 390
Rommel E; Kimmich R: volume-selective determination of the spin–lattice relaxation time in the rotating frame, $T_{1\rho}$, and $T_{1\rho}$ imaging, Magn Res Med 1989; **12:** 209
Romney BM See **Marin ML**
Romney BM; Austin JHM: plain film evaluation of carcinoma of the lung, Semin Roentgenol 1990; **25:** 45
Romsdahl M See **Sherman NE**
Rona G See **Dautenhahn LW**
Ronco G See **Todros T**
Ronen S; Degani H: studies of the metabolism of human breast cancer spheroids by NMR, Magn Res Med 1989; **12:** 274
Rong ZK See **Wei LQ**
Ronga G; Fiorentino A; Paserio E; et al: can iodine-131 whole-body scan be replaced by thyroglobulin measurement in the post-surgical follow-up of differentiated thyroid carcinoma?, J Nucl Med 1990; **31:** 1766
Rongved P See **Wang S-c**
Rong-Xi L; Qi-Xin T; Yi-Wen H; et al: comparison of continuous and split-course radiotherapy for nasopharyngeal carcinoma, Int J Radiat Oncol Biol Phys 1989; **16:** 307
Roniger WE See **Lang EK**
Rönnblom LE; Alm GV; Öberg K: autoimmune phenomena in patients with malignant carcinoid tumors during interferon-α treatment, Acta Oncol 1991; **30:** 537
Ronthal M See **Edelman RR**
Rooholamini SA See **Galvin JR**
Rooholamini SA See **Kioumehr F**
Rooholamini SA See **Stanford W**
Rooney M See **Gray RR**
Rooney MS See **Franczyk J**
Roos DIF See **Sorbe B**
Roos L See **Elomaa I**
Roos MF: spherical objects: elliptical shape of shadows at the periphery of radiographs, Radiology 1991; **181:** 607
Roos MS See **Keltner JR**
Roos MS See **Patz S**
Roos RAC See **de Bakker HM**
Roosen N See **Langen K-J**
Root HD See **Palmaz JC**
Root HD See **Rees CR**
Root JD; Hammerman AM; Fischer KC: CT appearance of the giant left atrium, Clin Imag 1990; **14:** 305
Rootman J See **Dalley RW**
Rootman J See **Graeb DA**
Rootman J See **Nugent RA**
Rootwelt K See **Stake G**
Roper CL See **Glazer HS**
Roper RR: restrictive covenants in professional employment contracts, AJR 1989; **153:** 1089
Roper SN; Mena I; King WA; et al: analysis of cerebral blood flow in acute closed-head injury using technetium-99m-HMPAO SPECT and computed tomography, J Nucl Med 1991; **32:** 1684
Rorke LB See **D'Angio GJ**
Rorke LB See **Epstein MA**
Rorke LB See **Glauser TA**
Rorschach HE See **Hazlewood CF**
Ros PR See **Murphy BJ**
Ros PR See **O'Neil JD**
Ros PR See **Rappaport DC**
Ros PR See **Shirkhoda A**
Ros PR See **Sobin LH**
Ros PR See **Torres GM**
Ros PR See **Younathan CM**
Ros PR; Murphy BJ; Buck JL; et al: encapsulated hepatocellular carcinoma: radiologic findings and pathologic correlation, Gastrointest Radiol 1990; **15:** 233
Rosa ML See **Tortori-Donati P**
Rosado de Christenson ML See **Moser RP Jr**
Rosado de Christenson ML See **Osborn AG**
Rosado-de-Christenson ML; Stocker JT: from the archives of the AFIP: congenital cystic adenomatoid malformation, Radiographics 1991; **11:** 865
Rosai J See **Chan JKC**
Rosai J See **Gerald W**
Rosai J See **Suster S**
Rosales OR See **Campeau RJ**
Rosan JR See **Rimer BK**
Rosan RC See **Northway WH Jr**
Rosat P See **Davion T**
Rosato E See **Chan TW**
Rosato FE; Bonn J; Shapiro M; et al: selective arterial stimulation of secretin in localization of gastrinomas, (ab), JVIR 1991; **2:** 295
Rösch J See **Hedgpeth PL**
Rösch J See **Routh WD**
Rösch J See **Thurmond AS**
Rösch J; Petersen BD; Hall LD; et al: interventional treatment of hepatic arterial and venous pathology: a commentary, Cardiovasc Intervent Radiol 1990; **13:** 183
Rosciszewski A See **Rajfer J**
Rose A; Osborne J; Wright G; et al: is what you see what you get? breast specimen handling re-visited, Australas Radiol 1991; **35:** 145
Rose BS; Gordon DM; Geihsler JD: primary aortoesophageal fistula after chronic aortic dissection, AJR 1990; **155:** 989
Rose BS; Pretorius DL: dissecting basilar artery aneurysm in Marfan syndrome: case report, AJNR 1991; **12:** 503
Rose C See **Lustig R**
Rose C: systemic therapy of metastatic breast cancer, Acta Oncol 1990; **29:** 361
Rose DH See **Rocker GM**
Rose MA See **Olivotto IA**
Rose MA; Henderson IC; Gelman R; et al: premenopausal breast cancer paients treated with conservative surgery, radiotherapy and adjuvant chemotherapy have a low risk of local failure, Int J Radiat Oncol Biol Phys 1989; **17:** 711
Rose MR; Prescott MC; Herman KJ: excretion of iodine-123-hippuran, technetium-99m-red blood cells, and technetium-99m-macroaggregated albumin into breast milk, J Nucl Med 1990; **31:** 978
Rose RA See **Lin BPC**
Rose SC See **Cave RK**
Rose SC See **Handy JE**
Rose SC See **Knighton RA**
Rose SC See **Miller FJ**
Rose SC See **Morton KA**
Rose SC; Braun SD; Newman GE; et al: urinary tract injury in patients with blunt chest trauma: the value of postaortographic abdominal radiographs, Cardiovasc Intervent Radiol 1989; **12:** 258
Rose SC; Meyers WC; Saeed M; et al: limitations of angiography for mesenteric ischemia caused by midgut carcinoid tumors, Cardiovasc Intervent Radiol 1989; **12:** 131
Rose SC; Miller FJ: iced saline perfusion of Simon Nitinol Filters: improved control during transfemoral delivery: technical note, Cardiovasc Intervent Radiol 1990; **13:** 111
Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ: symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Radiology 1990; **175:** 639
Rose SE See **Brereton IM**
Rose SE See **Crozier S**
Rose SE See **Doddrell DM**
Rose SE See **Galloway GJ**
Rose SE See **Moxon LN**
Rose WS See **Drapkin AJ**
Rosebrough SF; McAfee JG; Grossman ZD; et al: thrombus imaging: a comparison of radiolabeled GC4 and T2G1s fibrin-specific monoclonal antibodies, J Nucl Med 1990; **31:** 1048
Rosell R See **Diaz-Rubio E**
Rosell R See **Fernandez C**
Roselli M; Schlom J; Gansow OA; et al: comparative biodistributions of yttrium- and indium-labeled monoclonal antibody B72.3 in athymic mice bearing human colon carcinoma xenografts, J Nucl Med 1989; **30:** 672
Roselló R See **Martinez A**
Rosemurgy AS See **Burnett CM**
Rosen A See **Im J-G**
Rosen A See **Yellin A**
Rosen B See **Rosenthal DI**
Rosen BR See **Belliveau JW**
Rosen BR See **Brink HF**
Rosen BR; Belliveau JW; Buchbinder BR; et al: contrast agents and cerebral hemodynamics, Magn Res Med 1991; **19:** 285
Rosen BR; Belliveau JW; Vevea JM; et al: perfusion imaging with NMR contrast agents, Magn Res Med 1990; **14:** 249
Rosen D See **Levinsohn EM**
Rosén I See **Hillarp B**
Rosen ID See **Levinsohn EM**
Rosen II See **Chow H**
Rosen II See **Morrill SM**
Rosen JM; Butler SP; Meinken GE; et al: indium-111-labeled LDL: a potential agent for imaging atherosclerotic disease and lipoprotein biodistribution, J Nucl Med 1990; **31:** 343
Rosen L; Phillips S; Enzmann D: magnetic resonance imaging in MELAS syndrome, Neuroradiol 1990; **32:** 168
Rosen MP; Greenfield AJ; Walker TG; Grant P; Guben JK; Dubrow J; Bettmann MA; Goldstein I: arteriogenic impotence: findings in 195 impotent men examined with selective internal pudendal angiography: young investigator's award, Radiology 1990; **174:** 1043
Rosen MP; Walker TG; Brennan JF; et al: transcaval ureter with hydronephrosis: radiologic demonstration, AJR 1989; **152:** 793
Rosen P See **Gomori JM**
Rosen PP See **McCormick B**
Rosen TJ See **Johnson KA**
Rosenau W See **Dillon WP**
Rosenbaum AE See **Levy RA**
Rosenbaum AE See **Segall HD**
Rosenbaum AE See **Wang H**
Rosenbaum AE See **Yu S**
Rosenbaum DM See **Liddell RM**
Rosenbaum DM See **Weinberger E**
Rosenbaum ML See **Andrews BT**
Rosenbaum RC; Reiner BI; Bidwell JK; et al: right-to-left shunting via persistent left superior vena cava identified by perfusion lung scintigraphy, J Nucl Med 1989; **30:** 412
Rosenberg A See **Maloney WJ**
Rosenberg A See **Schwartz LH**
Rosenberg AE See **Ehara S**
Rosenberg AE See **Marks LB**
Rosenberg AE See **Tillotson CL**
Rosenberg AE: pathology of metabolic bone disease, Radiol Clin North Am 1991; **29:** 19
Rosenberg AG See **Turner DA**
Rosenberg AR See **Williams GD**
Rosenberg BF See **Jafri SZH**
Rosenberg DJ; Brugge WR; Alavi A: bile leak following an elective laparoscopic cholecystectomy: the role of hepatobiliary imaging in the diagnosis and management of bile leaks, J Nucl Med 1991; **32:** 1777
Rosenberg HK See **Eberenz W**
Rosenberg HK See **Forman HP**
Rosenberg HK; Markowitz RI; Kolberg H; et al: normal splenic size in infants and children: sonographic measurements, AJR 1991; **157:** 119
Rosenberg I See **Borger F**
Rosenberg I See **Low NN**
Rosenberg I See **Vijayakumar S**
Rosenberg J See **Mehalek KE**
Rosenberg R See **Archibeque F**
Rosenberg R; Williamson MR: lipomas of the spermatic cord and testis: report of two cases, JCU 1989; **17:** 670
Rosenberg RD See **Williamson MR**
Rosenberg RJ See **Dey HM**
Rosenberg RJ See **Levine GM**
Rosenberg RJ See **Spencer RP**
Rosenberg TD See **Franklin JL**
Rosenberg TD; Paulos LE; Parker RD; et al: forty-five-degree posteroanterior flexion weight-bearing radiograph of the knee, (ab), Radiology 1989; **172:** 588
Rosenberg ZS See **Noto AM**
Rosenberg ZS; Norman A; Solomon G: arthritis associated with HIV infection: radiographic manifestations, Radiology 1989; **173:** 171
Rosenberger A See **Pery M**
Rosenblatt M See **Lautin EM**
Rosenblatt M; Robalino J; Bergman A; Shevde K: pleural block: technique for regional anesthesia during percutaneous hepatobiliary drainage, Radiology 1989; **172:** 279
Rosenblatt R See **Occhipinti K**
Rosenbloom MB See **Shenouda NF**
Rosenbloom MB; Lisbona A: prospective study of 8413 asymptomatic women undergoing mammography, J Canad Assoc Radiol 1990; **41:** 207
Rosenbloom SA See **Wasenko JJ**
Rosenbloom SA: thoracic disc disease and stenosis, Radiol Clin North Am 1991; **29:** 765
Rosenblum J See **Unger EC**
Rosenblum J; Mojtahedi S; Foust RJ: synovial cysts in the lumbar spine: MR characteristics, AJNR 1989; **10:** S94
Rosenblum MG See **Lamki LM**
Rosenblum MJ See **Abdel-Nabi HH**
Rosenblum MK See **Batte WG Jr**
Rosenborg M See **Mortensson W**
Rosenbusch G See **Masclee AAM**
Rosencranz M See **Foster GS**
Rosenfeld DL; Cordell CE; Jadeja N: retrocardiac pneumomediastinum: radiographic finding and clinical implications, (ab), Radiology 1990; **176:** 296
Rosenfelt FP See **Deutsch AL**
Rosenfield AT: artifacts in urinary tract ultrasonography, Urol Radiol 1991; **12:** 228

Rosenfield AT; Blair DN; McCarthy S; et al: pars infravaginalis gubernaculi: importance in the identification of the undescended testis, AJR 1989; **153:** 775
Rosenfield K See **Isner JM**
Rosenfield NS See **Garcia CJ**
Rosenfield NS; Abrahams J; Komp D: brain MR in patients with Langerhans cell histiocytosis: findings and enhancement with Gd-DTPA, Pediatr Radiol 1990; **20:** 433
Rosenfield NS; Haller JO; Berdon WE: failure of development of the growing breast after radiation therapy, Pediatr Radiol 1989; **19:** 124
Rosengarten J See **Hemmati M**
Rosengren B; Monge OR; Flage T: proposal of a new pretreatment clinical TNM-classification of retinoblastoma, Acta Oncol 1989; **28:** 547
Rosenkilde P See **Effersöe H**
Rosenman J See **Ingram SS**
Rosenman J; Sailer SL; Sherouse GW; et al: virtual simulation: initial clinical results, Int J Radiat Oncol Biol Phys 1991; **20:** 843
Rosenman J; Sherouse GW; Fuchs H; et al: three-dimensional display techniques in radiation therapy treatment planning, Int J Radiat Oncol Biol Phys 1989; **16:** 263
Rosenman JG See **Fishman EK**
Rosenman JG See **Sailer SL**
Rosenow EC III See **Pisani RJ**
Rosenow UF; Valentine ES; Davis LW: technique for treating local breast cancer using a single set-up point and asymmetric collimation, Int J Radiat Oncol Biol Phys 1990; **19:** 183
Rosenquist CJ: pitfalls in the use of diagnostic tests, Clin Radiol 1989; **40:** 448
Rosenshein NB See **Calkins AR**
Rosenshein NB See **Yang A**
Rosenshtraukh LV See **Zakharov SI**
Rosenson A See **Mintz A**
Rosenson AS; Ali A; Fordham EW; et al: false-positive scan for testicular torsion and false-negative scan for epididymitis, Clin Nucl Med 1990; **15:** 863
Rosenson AS; Ali A; Fordham EW; et al: indium-111 DTPA flow study to evaluate surgically implanted drug pump delivery system, Clin Nucl Med 1990; **15:** 154
Rosenspire K See **Schwaiger M**
Rosenspire KC; Haka MS; Van Dort ME; et al: synthesis and preliminary evaluaton of carbon-11-meta-hydroxyephedrine: a false transmitter agent for heart neuronal imaging, J Nucl Med 1990; **31:** 1328
Rosenspire KC; Schwaiger M; Mangner TJ; et al: metabolic fate of [^{13}N]ammonia in human and canine blood, J Nucl Med 1990; **31:** 163
Rosenstein M See **Suleiman OH**
Rosenstein MM See **Armstrong JG**
Rosenstock L; Barnhart S; Heyer NJ; et al: relation among pulmonary function, chest roentgenographic abnormalities, and smoking status in an asbestos-exposed cohort, (ab), Radiology 1989; **171:** 586
Rosenthal BM See **Blatt SD**
Rosenthal D See **Herman TE**
Rosenthal DD See **Siegel MJ**
Rosenthal DI See **Kattapuram SV**
Rosenthal DI See **Mayo-Smith W**
Rosenthal DI See **Rosenthal H**
Rosenthal DI See **Tillotson CL**
Rosenthal DI; Hayes CW; Rosen B; et al: fatty replacement of spinal bone marrow due to radiation: demonstration by dual energy quantitative CT and MR imaging, JCAT 1989; **13:** 463
Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ: bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Radiology 1989; **170:** 143
Rosenthal DL See **Colquhoun SD**
Rosenthal H See **Erlemann R**
Rosenthal H See **Mayo-Smith W**
Rosenthal H See **Prokop M**
Rosenthal H See **Schaefer CM**
Rosenthal H; Thulborn KR; Rosenthal DI; et al: magnetic susceptibility effects of trabecular bone on magnetic resonance imaging of bone marrow, Invest Radiol 1990; **25:** 173
Rosenthal MA; Tiver KW: patellar metastases in the presence of chondrocalcinosis, Australas Radiol 1991; **35:** 197
Rosenthal MS See **Straub WH**
Rosenthal MS See **Yip YPL**
Rosenthal MS; Good WF; Costa-Greco MA; et al: effect of image processing on chest radiograph interpretations in a PACS environment, Invest Radiol 1990; **25:** 897
Rosenthal P See **Chung CJ**
Rosenthal RE: CT of the immunocompromised host, Radiology 1991; **181:** 76
Rosenthal RE; Principato R: interventional computed tomography, Radiology 1991; **181:** 650
Rosenthal SJ See **Batnitzky S**
Rosenthal SJ See **Cox GG**
Rosenthal SJ See **Siegel EL**
Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S: pitfalls and differential diagnosis in biliary sonography, Radiographics 1990; **10:** 285
Rosenthall L See **Illescas FF**
Rosenthall L: benign osteopetrosis, Clin Nucl Med 1990; **15:** 412
Rosenthall L; Ghazal ME; Brooks CE: quantitative analysis of radiophosphate uptakes in asymptomatic porous-coated hip endoprostheses, J Nucl Med 1991; **32:** 1391
Roses DF See **Mitnick JS**
Roses DF; Sudarsky LA; Sanger J; et al: use of preoperative localization of adenomas of the parathyroid glands by thallium-technetium subtraction scintigraphy, high-resolution ultrasonography and computed tomography, (ab), Radiology 1989; **173:** 295
Rosetti GF See **Hopper KD**
Roshkow JE; Haller JO; Hotson GC; Sclafani SJA; Mezzacappa PM; Rachlin S: imaging evaluation of children after falls from a height: review of 45 cases, Radiology 1990; **175:** 359
Roshkow JE; Ng CC: pelvic mucocele following colostomy: CT and ultrasound findings, JCAT 1990; **14:** 1022
Roshkow JE; Sanders LM: acute splenic sequestration crisis in two adults with sickle cell disease: US, CT, and MR imaging findings, Radiology 1990; **177:** 723
Rosier R See **Konski A**
Rösler HP See **Just M**
Rosman HS See **Alam M**
Ross A See **Slonim L**
Ross BD See **Staewen RS**
Ross BD; Mitchell SL; Merkle H; et al: *in vivo* ^{31}P and ^{1}H NMR studies of rat brain tumor pH and blood flow during acute hyperglycemia: differential effects between subcutaneous and intracerebral locations, Magn Res Med 1989; **12:** 219
Ross BD; Tropp J; Derby KA; et al: metabolic response of glioblastoma to adoptive immunotherapy: detection by phosphorus MR spectroscopy, JCAT 1989; **13:** 189
Ross CS; Hussey DH; Pennington EC; et al: analysis of movement of intrathoracic neoplasms using ultrafast computerized tomography, Int J Radiat Oncol Biol Phys 1990; **18:** 671
Ross DS See **Petrovitch JA**
Ross GJ See **Ross LV**
Ross GJ; Kessler HB; Clair MR; et al: sonographically guided paracentesis for palliation of symptomatic malignant ascites, AJR 1989; **153:** 1309
Ross GJ; Love MB: isolated avulsion fracture of the lesser tuberosity of the humerus: report of two cases, Radiology 1989; **172:** 833
Ross GJ; Violi L; Friedman AC; et al: intravascular bronchioloalveolar tumor: CT and pathologic correlation, JCAT 1989; **13:** 240
Ross J See **Fontanesi J**
Ross JR See **Ehman RL**
Ross JS See **Berns DH**
Ross JS See **Blaser SI**
Ross JS See **Lewin JS**
Ross JS See **Masaryk AM**
Ross JS See **Masaryk TJ**
Ross JS See **Modic MT**
Ross JS See **Shah M**
Ross JS See **Smith AS**
Ross JS See **Steinberg PM**
Ross JS See **VanDyke C**
Ross JS: magnetic resonance assessment of the postoperative spine: degenerative disc disease, Radiol Clin North Am 1991; **29:** 793
Ross JS; Blaser S; Masaryk TJ; et al: Gd-DTPA enhancement of posterior epidural scar: an experimental model, AJNR 1989; **10:** 1083
Ross JS; Delamarter R; Hueftle MG; et al: gadolinium-DTPA–enhanced MR imaging of the postoperative lumbar spine: time course and mechanism of enhancement, AJNR 1989; **10:** 37
Ross JS; Masaryk TJ; Modic MT; et al: intracranial aneurysms: evaluation by MR angiography, AJNR 1990; **11:** 449
Ross JS; Masaryk TJ; Modic MT; et al: intracranial aneurysms: evaluation by MR angiography, AJR 1990; **155:** 159
Ross JS; Masaryk TJ; Modic MT: three-dimensional FLASH imaging: applications with gadolinium-DTPA, JCAT 1989; **13:** 547
Ross JS; Masaryk TJ; Schrader M; et al: MR imaging of the postoperative lumbar spine: assessment with gadopentetate dimeglumine, AJNR 1990; **11:** 771
Ross JS; Masaryk TJ; Schrader M; et al: MR imaging of the postoperative lumbar spine: assessment with gadopentetate dimeglumine, AJR 1990; **155:** 867
Ross JS; Modic MT; Masaryk TJ; et al: assessment of extradural degenerative disease with Gd-DTPA–enhanced MR imaging: correlation with surgical and pathologic findings, AJNR 1989; **10:** 1243
Ross JS; Modic MT; Masaryk TJ; et al: assessment of extradural degenerative disease with Gd-DTPA–enhanced MR imaging: correlation with surgical and pathologic findings, AJR 1990; **154:** 151
Ross JS; Modic MT; Masaryk TJ: tears of the anulus fibrosus: assessment with Gd-DTPA–enhanced MR imaging, AJNR 1989; **10:** 1251
Ross JS; Modic MT; Masaryk TJ: tears of the anulus fibrosus: assessment with Gd-DTPA-enhanced MR imaging, AJR 1990; **154:** 159
Ross JS; Tkach J; VanDyke C; Modic MT: clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, JMRI 1991; **1:** 29
Ross L See **Abrahams C**
Ross LV; Ross GJ; Mesgarzadeh M; Edmonds PR; Bonakdarpour A: hemodialysis-related amyloidomas of bone, Radiology 1991; **178:** 263
Ross MG See **Lonky NM**
Ross PD See **Wasnich RD**
Ross RR See **Smith WL**
Ross WH See **Wong AD**
Ross WK See **Castillo M**
Ross WM: medicolegal aspects of medical radiation exposure, Br J Radiol 1990; **63:** 313
Rossavik IK See **Deter RL**
Rosser RJ See **Silverstein MJ**
Rosshirt W See **Sziklas JJ**
Rossi A See **Gallucci M**
Rossi C; Ricci S; Boriani S; et al: percutaneous transcatheter arterial embolization of bone and soft tissue tumors, Skeletal Radiol 1990; **19:** 555
Rossi P See **Grosso M**
Rossi P; Allison DJ; Bezzi M; et al: endocrine tumors of the pancreas, Radiol Clin North Am 1989; **27:** 129
Rossi P; Bezzi M; Salvatori FM; Maccioni F; Porcaro ML: recurrent benign biliary strictures: management with self-expanding metallic stents, Radiology 1990; **175:** 661
Rossi P; Salvatori FM; Bezzi M; et al: percutaneous management of benign biliary strictures with balloon dilation and self-expanding metallic stents, Cardiovasc Intervent Radiol 1990; **13:** 231
Rossi PI See **Nath R**
Rossi RP See **Bixler RP**
Rossi T See **Santer R**
Rossitch E Jr See **Loeffler JS**
Rossleigh M See **Williams GD**
Rossleigh MA See **Lee KS**
Rossleigh MA See **Murray IPC**
Rossleigh MA; Murray IPC; Mackey DWJ; et al: pediatric solid tumors: evaluation by gallium-67 SPECT studies, J Nucl Med 1990; **31:** 168
Rossman B; Mieza M; Melman A: penile vein ligation for corporeal incompetence: an evaluation of short-term and long-term results, (ab), JVIR 1991; **2:** 300
Rossman ME See **Otis SM**
Rossman ME See **Schneider PA**
Rossman PJ See **Riederer SJ**
Rossmann MD; Koprowski C; Lewis G; et al: bladder puncture from Fletcher-Suit tandem applicator: diagnosis by pelvic ultrasound, J Ultrasound Med 1989; **8:** 403
Rosso J; Musset D; Petitpretz P; et al: intravenous digital subtraction angiography and lung imaging: compared value in the diagnosis of pulmonary embolism, Clin Nucl Med 1989; **14:** 183
Rostand SG; Sanders C; Kir KAA; et al: myocardial calcification and cardiac dysfunction in chronic renal failure, (ab), Radiology 1989; **172:** 293
Rostom AY See **Stockdale AD**
Rostom AY; Sunderland K: re-irradiation of astrocytoma of the brain, Br J Radiol 1989; **62:** 173
Roszinski S; Wiedemann G; Jiang SZ; et al: effects of hyperthermia and/or hyperglycemia on pH and pO_2 in well oxygenated xenotransplanted human sarcoma, Int J Radiat Oncol Biol Phys 1991; **20:** 1273
Roszler MH See **Jacobs IG**
Roszler MH See **McCarroll KA**
Roszler MH; McCarroll KA; Donovan KR; Rashid T; Kling GA: groin hit: complications of intravenous drug abuse, Radiographics 1989; **9:** 487
Roszler MH; McCarroll KA; Rashid T; et al: resident interpretation of emergency computed tomographic scans, Invest Radiol 1991; **26:** 374
Rotem H See **Gomori JM**
Roth FJ See **Vallbracht C**
Roth GM See **Velchik MG**
Roth J See **Henze E**
Roth J; Wallner B; Safi F: arterial perfusion abnormalities of the liver after hepatic arterial infusion chemotherapy and their correlation with changes in the metastases: evaluation with CT and angiography, AJR 1989; **153:** 751

Roth JA See **Pogrebniak HW**
Roth JC See **Adcock KA**
Roth K See **Hubesch B**
Roth M: campomelic syndrome: experimental models and pathomechanism, Pediatr Radiol 1991; **21:** 220
Roth MK See **Benedikt RA**
Roth RA See **Beckmann CF**
Roth SL; Horiot JC; Calais G; et al: prognostic factors in limited rectal cancer treated with intracavitary irradiation, Int J Radiat Oncol Biol Phys 1989; **16:** 1445
Roth SL; Krueger GFR; Bertram G; et al: carcinoma of the nasopharynx: the significance of lymphocytic infiltration, Acta Oncol 1990; **29:** 897
Rothbart R; Harding L; Schob A; et al: improved method for production of intravenous contrast during echocardiography, JCU 1989; **17:** 132
Rothbarth LJ See **Durham JD**
Rothbarth LJ See **Kumpe DA**
Rothbarth LJ; Redmond PL; Kumpe DA: percutaneous transhepatic treatment of a large intrahepatic aneurysm, AJR 1989; **153:** 1077
Rothberg M See **Fernandez RE**
Rothenberg LN: AAPM tutorial: patient dose in mammography, Radiographics 1990; **10:** 739
Rothfus WE See **Baron B**
Rothfus WE See **Deeb ZL**
Rothfus WE See **Goldberg AL**
Rothfus WE; Goldberg AL; Deeb ZL; et al: MR recognition of posterior lumbar vertebral ring fracture, JCAT 1990; **14:** 790
Rothlauf E See **Weinberger J**
Rothman AS See **Sacher M**
Rothman B See **Shellock FG**
Rothman BJ See **Deutsch AL**
Rothman DL See **Novotny EJ Jr**
Rothman MI See **Swartz JD**
Rothman RH See **Foley M**
Rothschild PA See **Kimme-Smith C**
Rothschild PA See **Sheldon PE**
Rothschild PA; Crooks LE; Margulis AR: direction of MR imaging, Invest Radiol 1990; **25:** 275
Rothschild PA; Domcsek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK: MR imaging of the knee with a 0.064-T permanent magnet, Radiology 1990; **175:** 775
Rothstein RD See **Diamond RH**
Rothstein RD See **Levine MS**
Rothstein RD; Alavi A: role of scintigraphy in the management of inflammatory bowel disease, J Nucl Med 1991; **32:** 856
Rothstein SG See **Finfer MD**
Rothstein SG; Persky MS; Edelman BA; et al: epiglottitis in AIDS patients, (ab), Radiology 1990; **174:** 904
Rothstein SG; Persky MS; Horii S: evaluation of malignant invasion of the carotid artery by CT scan and ultrasound, (ab), Radiology 1989; **170:** 590
Rothwell CJ; Jaspan T; Worthington BS; et al: gadolinium-enhanced magnetic resonance imaging of spinal tumours, Br J Radiol 1989; **62:** 1067
Rotman M; Aziz H; Porrazzo M; et al: treatment of advanced transitional cell carcinoma of the bladder with irradiation and concomitant 5-fluorouracil infusion, Int J Radiat Oncol Biol Phys 1990; **18:** 1131
Rotman M; Choi K; Guze C; et al: prophylactic irradiation of the para-aortic lymph node chain in stage IIB and bulky stage IB carcinoma of the cervix, initial treatment results of RTOG 7920, Int J Radiat Oncol Biol Phys 1990; **19:** 513
Rotondo KM See **Huhta JC**
Rotstein LE See **Houle S**
Rotstein S; Lax I; Svane G: influence of radiation therapy on the lung-tissue in breast cancer patients: CT-assessed density changes and associated symptoms, Int J Radiat Oncol Biol Phys 1990; **18:** 173
Rotstein S; Nilsson B; Gustavson-Kadaka E; et al: long-term follow-up of sickness periods in breast cancer patients primarily treated with surgery and radiotherapy or surgery only, Acta Oncol 1989; **28:** 817
Rottacker C See **Schubeus P**
Rotte KH; Klühs L; Kleinau H; et al: computed tomography and endosonography in the preoperative staging of rectal carcinoma, Eur J Radiol 1989; **9:** 187
Rottem S See **Bronshtein M**
Rottem S See **Lewit N**
Rottem S See **Thaler I**
Rottem S; Bronshtein M: transvaginal sonographic diagnosis of congenital anomalies between 9 weeks and 16 weeks, menstrual age, JCU 1990; **18:** 307
Rottem S; Levit N; Thaler I; et al: classification of ovarian lesions by high-frequency transvaginal sonography, JCU 1990; **18:** 359
Rottem S; Thaler I; Goldstein SR; et al: transvaginal sonographic technique: targeted organ scanning without resorting to "planes", JCU 1990; **18:** 243
Rottem S; Thaler I; Levron J; et al: criteria for transvaginal sonographic diagnosis of ectopic pregnancy, JCU 1990; **18:** 274
Rotter AJ; Lundell CJ: MR of intravenous leiomyomatosis of the uterus extending into the inferior vena cava, JCAT 1991; **15:** 690
Rottoli L See **Lombardi F**
Roubidoux MA See **Dunnick NR**
Roubidoux MA; Dunnick NR; Klotman PE; Newman GE; Cohan RH; Kadir S; Svetkey LP: renal vein renins: inability to predict response to revascularization in patients with hypertension, Radiology 1991; **178:** 819
Roubidoux MA; Hertzberg BS; Carroll BA; et al: color flow and image-directed Doppler ultrasound evaluation of iatrogenic arteriovenous fistulas in the groin, JCU 1990; **18:** 463
Roubin GS See **Lembo NJ**
Roubin GS See **Oweida SW**
Roubin GS See **Pecora MJ**
Rougier P See **Soyer P**
Roul G See **Kastler B**
Rourke DE See **Morris PG**
Rouse GA See **DeLange M**
Rouse GA; Filly RA; Toomey F; Grube GL: short-limb skeletal dysplasias: evaluation of the fetal spine with sonography and radiography, Radiology 1990; **174:** 177
Rouse JW See **Ferrante SL**
Rousseau H See **Raillat C**
Rousseau HP; Joffre FG; Raillat CR; et al: iliac artery endoprosthesis: radiologic and histologic findings after 2 years, AJR 1989; **153:** 1075
Rousseau HP; Joffre FG; Raillat CR; Julian M; Pierragi MT; Chalabi F; Bouissou H: self-expanding endovascular stent in experimental atherosclerosis: work in progress, Radiology 1989; **170:** 773
Rousseau HP; Raillat CR; Joffre FG; Knight CJ; Ginestet MC: treatment of femoropopliteal stenoses by means of self-expandable endoprostheses: midterm results, Radiology 1989; **172:** 961
Rousseau J; Clarysse P; Blond S; et al: validation of a new method for stereotactic localization using MR imaging, JCAT 1991; **15:** 291
Rousseau O See **Jequier S**
Roussel A; Bleiberg H; Dalesio O; et al: palliative therapy of inoperable oesophageal carcinoma with radiotherapy and methotrexate: final results of a controlled clinical trial, Int J Radiat Oncol Biol Phys 1989; **16:** 67
Rousselin B; Gires F; Vallée C; et al: case report 627, Skeletal Radiol 1990; **19:** 453
Rousselin B; Vanel D; Terrier-Lacombe MJ; et al: clinical and radiologic analysis of 13 cases of primary neuroectodermal tumors of bone, Skeletal Radiol 1989; **18:** 115
Roussis P See **Jeanty P**
Routh HF See **Law YF**
Routh WD See **Berland LL**
Routh WD See **Cranston PE**
Routh WD See **Keller FS**
Routh WD See **Lawdahl RB**
Routh WD See **McPherson S**
Routh WD See **Mulligan SA**
Routh WD; Keller FS; Gross GM: transcatheter thrombosis of a leaking saccular aneurysm of the main renal artery with preservation of renal blood flow, AJR 1990; **154:** 1097
Routh WD; Lawdahl RB; Lund E; et al: Meckel's diverticula: angiographic diagnosis in patients with non-acute hemorrhage and negative scintigraphy, Pediatr Radiol 1990; **20:** 152
Routh WD; Tatum CM; Barton RE; Gross GM; McDowell HA; Keller FS: urokinase infusion: feasibility of monitoring for complications in a non-intensive care setting, JVIR 1991; **2:** 69
Routh WD; Tatum CM; Lawdahl RB; Rösch J; Keller FS: tube tamponade: potential pitfall in angiography of arterial hemorrhage associated with percutaneous drainage catheters, Radiology 1990; **174:** 945
Roux SG See **Wolf GL**
Rövekamp MH See **Beek FJA**
Rovira M Jr See **Romero FJ**
Rovner AJ See **Murphy WD**
Rowan DM See **Travis RC**
Rowberg AH See **Marglin SI**
Rowe CC; Berkovic SF; Austin MC; et al: visual and quantitative analysis of interictal SPECT with technetium-99m-HMPAO in temporal lobe epilepsy, J Nucl Med 1991; **32:** 1688
Rowe D See **Kerslake RW**
Rowe GM See **Kingsley DPE**
Rowe JM See **Donahue LA**
Rowe LJ See **Mansberg VJ**
Rowe MH; Hinohara T; White NW; et al: comparison of dissection rates and angiographic results following directional coronary atherectomy and coronary angioplasty, (ab), Radiology 1991; **178:** 589
Rowe MI See **Lloyd DA**
Rowe PH See **Reidy JF**
Rowell D See **Stracher MA**
Rowen SJ See **Wootton SL**
Rowland GA See **Nelson RC**
Rowland K See **Bonomi P**
Rowland R See **Walser EM**
Rowlands JA See **Hynes DM**
Rowlands P See **Grech P**
Rowlands PC See **Barber CJ**
Rowlands PC See **Choudhri AH**
Rowlands PC See **Hawkins SP**
Rowlands PC; Speechly-Dick ME; Grech P: strongyloidiasis of the colon, Br J Radiol 1990; **63:** 650
Rowley M See **Brada M**
Rowley MR See **Williams MP**
Rowley VA See **McGrath FP**
Roy A See **Lette J**
Roy D See **Chodirker BN**
Roy J See **Wallner K**
Roy JN; Steiger P; Ling CC: overlap detection and contour-tracking algorithms for critical organs—application to kidney, Comput Med Imag Graph 1990; **14:** 153
Roy JN; Wallner KE; Chiu-Tsao S-T; et al: CT-based optimized planning for transperineal prostate implant with customized template, Int J Radiat Oncol Biol Phys 1991; **21:** 483
Roy M; Smilovitch M; Stern J: lung scan and first-pass radionuclide angiography appearance in pulmonary stenosis, Clin Nucl Med 1989; **14:** 924
Roy P See **Duprat G Jr**
Roy UK See **Davidson NGP**
Roy V See **Prego V**
Rozanes İ See **Acunaş B**
Rozanski A See **DePuey EG**
Rozanski A: applications of exercise radionuclide ventriculography in the clinical management of patients with coronary artery disease, J Thorac Imag 1990; **5-3:** 37
Rozeik C; Kotterer O; Preiss J; et al: cranial CT artifacts and gantry angulation, JCAT 1991; **15:** 381
Rozenman Y; Kantor HL: heterotopic transplanted rat heart: a model for *in vivo* determination of phosphorus metabolites during ischemia and reperfusion, Magn Res Med 1990; **13:** 450
Rozenman Y; Zou X; Kantor HL: cardiovascular MR imaging with iron oxide particles: utility of a superparamagnetic contrast agent and the role of diffusion in signal loss, Radiology 1990; **175:** 655
Rozenman Y; Zou X; Kantor HL: signal loss induced by superparamagnetic iron oxide particles in NMR spin–echo images: the role of diffusion, Magn Res Med 1990; **14:** 31
Rozental JM; Levine RL; Mehta MP; et al: early changes in tumor metabolism after treatment: the effects of stereotactic radiotherapy, Int J Radiat Oncol Biol Phys 1991; **20:** 1053
Rozin M See **Ben-Ami T**
Rubaltelli L; De Gerone E; Caterino G: echographic evaluation of tubercular abscesses in lumbar spondylitis, J Ultrasound Med 1990; **9:** 67
Rubaltelli L; Proto E; Salmaso R; et al: sonography of abnormal lymph nodes in vitro: correlation of sonographic and histologic findings, AJR 1990; **155:** 1241
Rubens D See **Bader-Armstrong B**
Rubens D See **Talarico HP**
Rubens D; Totterman S; Chacko AK; et al: gadopentetate dimeglumine-enhanced chemical-shift MR imaging of the breast, AJR 1991; **157:** 267
Rubens DJ; Talarico HP; Zaepfel AC; VanZandt TF: general case of the day: annual meeting, 1988, Radiographics 1989; **9:** 964
Rubens J See **Kopans DB**
Rubens JR See **Gallagher WJ**
Rubens JR See **Oestmann JW**
Rubens JR See **Schaefer CM**
Rubens JR See **Shin JH**
Rubenstein DJ; Alvarez O; Gheiman B; et al: cauda equina syndrome complicating ankylosing spondylitis: MR features, JCAT 1989; **13:** 511
Rubenstein DJ; Harkavy L; Glantz L: case report 518, Skeletal Radiol 1989; **18:** 47
Rubenstein J See **Fam AG**
Rubenstein J See **Franczyk J**
Rubenstein J; Pritzker KPH: crystal-associated arthropathies, AJR 1989; **152:** 685
Rubenstein JB See **McLaughlin MG**
Rubenstein JB; Swayne LC; Magidson JG; et al: granulomatous prostatitis: a hypoechoic lesion of the prostate, Urol Radiol 1991; **13:** 119
Rubenstein JH See **Sandler HM**
Rubesin SE See **Donahue F**
Rubesin SE See **Karstoft J**
Rubesin SE See **Levine MS**

Rubesin SE See **Miller WT Jr**

Rubesin SE; Gilchrist AM; Bronner M; Saul SH; Herlinger H; Grumbach K; Levine MS; Laufer I: non-Hodgkin lymphoma of the small intestine, Radiographics 1990; **10:** 985

Rubesin SE; Herlinger H: CT evaluation of bowel obstruction: a landmark article—implications for the future, Radiology 1991; **180:** 307

Rubesin SE; Herlinger H; De Gaeta L: test your skills, Radiology 1990; **176:** 636

Rubesin SE; Herlinger H; Saul SH; Grumbach K; Laufer I; Levine MS: adult celiac disease and its complications, Radiographics 1989; **9:** 1045

Rubesin SE; Levine MS; Bezzi M; et al: rectal involvement by prostatic carcinoma: barium enema findings, AJR 1989; **152:** 53

Rubesin SE; Levine MS; Glick SN; Herlinger H; Laufer I: pseudomembranous colitis with rectosigmoid sparing on barium studies, Radiology 1989; **170:** 811

Rubin A: contributions of cognitive science and educational technology to training in radiology, Invest Radiol 1989; **24:** 729

Rubin B See **Hicks M**

Rubin DA; Gross GW; Ehrlich SM; et al: interhemispheric fissure width in neonates in ECMO, Pediatr Radiol 1990; **21:** 12

Rubin DL; Muller HH; Nino-Murcia M; Sidhu M; Christy V; Young SW: intraluminal contrast enhancement and MR visualization of the bowel wall: efficacy of PFOB, JMRI 1991; **1:** 371

Rubin DL; Ratner AV; Young SW: magnetic susceptibility effects and their application in the development of new ferromagnetic catheters for magnetic resonance imaging, Invest Radiol 1990; **25:** 1325

Rubin E; Maddox WA; Mazur MT: cutaneous angiosarcoma of the breast 7 years after lumpectomy and radiation therapy, Radiology 1990; **174:** 258

Rubin E; Visscher DW; Alexander RW; et al: proliferative disease and atypia in biopsies performed for nonpalpable lesions detected mammographically, (ab), Radiology 1989; **170:** 583

Rubin GD; Edwards DK III; Reicher MA; et al: diagnosis of pulmonary hemosiderosis by MR imaging, AJR 1989; **152:** 573

Rubin GD; Jeffrey RB Jr; Walter JF: pancreatic microcystic adenoma presenting with acute hemoperitoneum: CT diagnosis, AJR 1991; **156:** 749

Rubin J See **Helvie MA**

Rubin J See **Nugent CE**

Rubin J; Curtin HD; Yu VL; Kamerer DB: malignant external otitis: utility of CT in diagnosis and follow-up, Radiology 1990; **174:** 391

Rubin J; Yu VL; Stool SE: malignant external otitis in children, (ab), Radiology 1989; **172:** 591

Rubin JB See **Enzmann DR**

Rubin JM See **Adler DD**

Rubin JM See **Adler RS**

Rubin JM See **Brunberg JA**

Rubin JM See **Carson PL**

Rubin JM See **Hatfield MK**

Rubin JM See **Platt JF**

Rubin JM See **Price CI**

Rubin JM; Adler RS; Bude RO; Fowlkes JB; Carson PL: clean and dirty shadowing at US: a reappraisal, Radiology 1991; **181:** 231

Rubin JM; Adler RS; Fowlkes JB; et al: phase cancellation: a cause of acoustical shadowing at the edges of curved surfaces in B-mode ultrasound images, Ultrasound Med Biol 1991; **17:** 85

Rubin JM; Hatfield MK; Chandler WF; Black KL; DiPietro MA: intracerebral arteriovenous malformations: intraoperative color Doppler flow imaging, Radiology 1989; **170:** 219

Rubin JS See **Moser FG**

Rubin MJ; Etchison MR; Condra KA; et al: acute effects of ultrasound on skeletal muscle oxygen tension, blood flow and capillary density, Ultrasound Med Biol 1990; **16:** 271

Rubin P See **Cooper JS**

Rubin P See **McDonald S**

Rubin P See **MacLennan I**

Rubin P See **Pearlman SH**

Rubin P; McDonald S; Maasilta P; et al: serum markers for prediction of pulmonary radiation syndromes. part I: surfactant apoprotein, Int J Radiat Oncol Biol Phys 1989; **17:** 553

Rubin P; Van Ess JD: impact of radiation research on clinical trials in radiation oncology, Clin Radiol 1989; **40:** 68

Rubin R See **Mitchell DG**

Rubin R See **Siegelman ES**

Rubin RH See **Fischman AJ**

Rubin RH; Fischman AJ; Needleman M; et al: radiolabeled, nonspecific, polyclonal human immunoglobulin in the detection of focal inflammation by scintigraphy: comparison with gallium-67 citrate and technetium-99m-labeled albumin, J Nucl Med 1989; **30:** 385

Rubin RT; Phillips JJ: adrenal gland volume determination by computed tomography and magnetic resonance imaging in normal subjects, Invest Radiol 1991; **26:** 465

Rubin SA See **Winer-Muram HT**

Rubin SJ; Feldman F; Haber MM; et al: magnetic resonance grid analysis of soft tissue lesions, Invest Radiol 1991; **26:** 474

Rubin SM See **Cummings SR**

Rubinoff SW See **Mendelson DS**

Rubinstein C; O'Neill R; Brown P: polyp masquerading as orbital blowout fracture, Australas Radiol 1991; **35:** 94

Rubinstein L See **Thomas P**

Rubinstein L See **Walton LA**

Rubinstein LV See **Hricak H**

Rubinstein M See **Denays R**

Rubinstein M; Denays R; Ham HR; et al: functional imaging of brain maturation in humans using iodine-123 iodoamphetamine and SPECT, J Nucl Med 1989; **30:** 1982

Rubinstein ZJ See **Apter S**

Rubinstein ZJ See **Garniek A**

Rubinstein ZJ See **Hertz M**

Rubio C See **Saito Y**

Rubio C See **Slezak P**

Rubio G See **Garcia C**

Ruchman RB See **Nardi PM**

Ruckdeschel JC See **Braun MA**

Rucker RH See **Kearfott KJ**

Rudberg U; Ahlbäck S-O; Udén R: bone marrow scintigraphy in Paget's disease of bone, Acta Radiol 1990; **31:** 141

Rudberg U; Hesser U; Udén R: generalized increase of arterial blood flow to the liver observed at visceral radiocolloid angiography, Acta Radiol 1989; **30:** 597

Rudén B-I See **Kihlén B**

Rudicel S See **Berkowitz JF**

Rudicel S See **Kier R**

Rudin M; Qureshi S; Tolcsvai L; et al: visualization and quantification of transplanted Dunning prostate tumors in rats using magnetic resonance imaging, (ab), Radiology 1989; **170:** 902

Rudin S See **Bednarek DR**

Rudin S; Bednarek DR; Miller JA: dose reduction during fluoroscopic placement of feeding tubes, Radiology 1991; **178:** 647

Rudoy J See **Hardoff R**

Rudwan M See **Fataar S**

Rüegsegger P See **Durand EP**

Ruelle A; Pisani R; Andrioli G: "unusual" MRI appearance of sphenoid sinus mucocele, Neuroradiol 1991; **33:** 352

Rueter FG See **Conway BJ**

Rueter FG; Conway BJ; McCrohan JL; Suleiman OH: average radiation exposure values for three diagnostic radiographic examinations, Radiology 1990; **177:** 341

Rüfenacht DA See **Graves VB**

Rufenacht DA See **Huston J III**

Rüfenacht DA See **Partington CR**

Ruff CB See **Beck TJ**

Ruff RL See **Manon-Espaillat R**

Ruffie P See **Arriagada R**

Ruffinengo U See **Bartolini A**

Rugg T; Lartigau E; Sanders R; et al: morbidity of salvage surgery following conventional radiotherapy and continuous, hyperfractionated accelerated radiotherapy (CHART), Int J Radiat Oncol Biol Phys 1991; **20:** 581

Rugg T; Saunders MI; Dische S: smoking and mucosal reactions to radiotherapy, Br J Radiol 1990; **63:** 554

Ruggieri P See **Bates D**

Ruggieri P See **De Cristofaro R**

Ruggieri PM See **Masaryk TJ**

Ruggieri PM See **Wiznitzer M**

Ruggieri PM; Laub GA; Masaryk TJ; Modic MT: intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Radiology 1989; **171:** 785

Ruggiero C See **Morasso P**

Ruifrok ACC; Levendag PC; Lakeman RF; et al: combined treatment with interstitial hyperthermia and interstitial radiotherapy in an animal tumor model, Int J Radiat Oncol Biol Phys 1991; **20:** 1281

Ruifrok ACC; Levendag PC; Lakeman RF; et al: dose-effect relation of interstitial low-dose-rate radiation (Ir^{192}) in an animal tumor model, Int J Radiat Oncol Biol Phys 1990; **18:** 31

Ruiz CE; Allen JW; Lau FYK: percutaneous double balloon valvotomy for severe rheumatic mitral stenosis, (ab), Radiology 1990; **177:** 293

Ruiz J See **Monreal M**

Ruiz JC See **Grande D**

Ruiz ME See **Erickson SJ**

Ruiz ME; Haughton VM: new plain film finding in cysticercosis, Neuroradiol 1991; **33:** 79

Ruiz P See **Hertzberg BS**

Ruiz de Almodóvar JM See **Ruiz-Garcia J**

Ruiz de Azua Y See **Franquet T**

Ruiz-Garcia J; Ruiz de Almodóvar JM; Olea N; et al: thyroglobulin level as a predictive factor of tumoral recurrence in differentiated thyroid cancer, J Nucl Med 1991; **32:** 395

Rumack CM See **Horgan JG**

Rumbaugh CL See **Schick RM**

Rummeny E See **Egglin TK**

Rummeny E See **Erlemann R**

Rummeny E See **Saini S**

Rummeny E; Saini S; Stark DD; et al: detection of hepatic metastases with MR imaging: spin-echo vs phase-contrast pulse sequences at 0.6 T, AJR 1989; **153:** 1207

Rummeny E; Saini S; Wittenberg J; et al: MR imaging of liver neoplasms, AJR 1989; **152:** 493

Rummeny E; Weissleder R; Sironi S; Stark DD; Compton CC; Hahn PF; Saini S; Wittenberg J; Ferrucci JT: central scars in primary liver tumors: MR features, specificity, and pathologic correlation, Radiology 1989; **171:** 323

Rummeny E; Weissleder R; Stark DD; et al: primary liver tumors: diagnosis by MR imaging, AJR 1989; **152:** 63

Rumpelt HJ See **Thoenes W**

Rundback JH; Goldfarb CR; Ongseng F: gallium-67 imaging in candidal esophagitis, Clin Nucl Med 1990; **15:** 38

Runge M See **Bonneville JF**

Runge M See **Dietemann JL**

Runge VM See **Robertson SJ**

Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV: clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Radiology 1991; **181:** 701

Runge VM; Carollo BR; Wolf CR; Nelson KL; Gelblum DY: Gd DTPA: a review of clinical indications in central nervous system magnetic resonance imaging, Radiographics 1989; **9:** 929

Runge VM; Dean B; Lee C; Carolan F; Heard G: phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, JMRI 1991; **1:** 47

Runge VM; Gelblum DY; Pacetti ML; Carolan F; Heard G: Gd-HP-DO3A in clinical MR imaging of the brain, Radiology 1990; **177:** 393

Runge VM; Gelblum DY; Wood ML: 3-D imaging of the CNS, Neuroradiol 1990; **32:** 356

Runge VM; Kirsch JE; Thomas GS; Mugler JP III: clinical comparison of three-dimensional MP-RAGE and FLASH techniques for MR imaging of the head, JMRI 1991; **1:** 493

Runge VM; Wood ML: half-Fourier MR imaging of CNS disease, AJNR 1990; **11:** 77

Ruocco MJ See **van Nesselrooij JHJ**

Ruotsalainen U See **Leskinen-Kallio S**

Rupprecht T See **Deeg KH**

Ruscalleda J See **Kulisevsky J**

Ruscalleda J; Coscojuela P; Guardia E; De Juan M: general case of the day, Radiographics 1991; **11:** 929

Rusch OF: atlas der utraschallanatomie: sonographische normalbefunde als grundlage der diagnostik (atlas of ultrasound anatomy: normal findings as a basis for diagnosis), Radiology 1989; **171:** 730

Rusch VW; Godwin JD; Shuman WP: role of computed tomography scanning in the initial assessment and the follow-up of malignant pleural mesothelioma, (ab), Radiology 1989; **171:** 587

Rusckowski M See **Kalofonos HP**

Rush PJ; Berbrayer D; Reilly BJ: basilar impression and osteogenesis imperfecta in a three-year-old girl: CT and MRI, Pediatr Radiol 1989; **19:** 142

Rush S See **Sause WT**

Rush SC; Newall J: pituitary adenoma: the efficacy of radiotherapy as the sole treatment, Int J Radiat Oncol Biol Phys 1989; **17:** 165

Rusin J See **Zeiss J**

Rusinek H; de Leon MJ; George AE; Stylopoulos LA; Chandra R; Smith G; Rand T; Mourino MR; Kowalski H: Alzheimer disease: measuring loss of cerebral gray matter with MR imaging, Radiology 1991; **178:** 109

Rusinek H; Mourino MR; Firooznia H; Weinreb JC; Chase NE: volumetric rendering of MR images, Radiology 1989; **171:** 269

Rusinko MS See **Menon RS**
Russ GA: new procedures in nuclear medicine, Radiology 1989; **173:** 98
Russ GA: radiopharmaceuticals in nuclear medicine practice, Radiology 1989; **172:** 398
Russ GA: radiopharmacy and radiopharmacology yearbook 2, Radiology 1989; **170:** 406
Russ PD See **Johnson KK**
Russ PD See **Mansour MA**
Russ PD; Dillingham M: demonstration of CT hyperdensity in patients with acute renal failure associated with rhabdomyolysis, JCAT 1991; **15:** 458
Russell AH; Pajak TE; Selim HM; et al: prophylactic cranial irradiation for lung cancer patients at high risk for development of cerebral metastasis: results of a prospective randomized trial conducted by the Radiation Therapy Oncology Group, Int J Radiat Oncol Biol Phys 1991; **21:** 637
Russell CD; Dubovsky EV: measurement of renal function with radionuclides, J Nucl Med 1989; **30:** 2053
Russell CD; Dubovsky EV; Scott JW: simplified methods for renal clearance in children: scaling for patient size, J Nucl Med 1991; **32:** 1821
Russell CD; Taylor A; Eshima D: estimation of technetium-99m-MAG_3 plasma clearance in adults from one or two blood samples, J Nucl Med 1989; **30:** 1955
Russell CD; Thorstad BL; Stutzman ME; Yester MV; Fowler D; Dubovsky EV: kidney: imaging with Tc-99m mercaptoacetyltriglycine, a technetium-labeled analog of iodohippurate, Radiology 1989; **172:** 427
Russell E; Yrizzary JM; Montalvo BM; Guerra JJ Jr; Al-Refai F: left hepatic duct anatomy: implications, Radiology 1990; **174:** 353
Russell EJ See **Johnson CE**
Russell EJ See **Nijensohn E**
Russell EJ See **Segall HD**
Russell EJ See **Smith MD**
Russell EJ See **West MS**
Russell EJ See **Zweig G**
Russell EJ: cervical disk disease, Radiology 1990; **177:** 313
Russell EJ: detection of significant extracranial carotid stenosis with routine cerebral MR imaging, Radiology 1989; **170:** 623
Russell EJ; Goldblatt D; Levy JM; et al: percutaneous obliteration of a postoperatively persistent vertebral arteriovenous fistula, AJNR 1989; **10:** 196
Russell EJ; Levy JM; Breit R; et al: osteocartilaginous tumors in the parapharyngeal space arising from bone exostoses, AJNR 1990; **11:** 993
Russell EJ; Schaible TF; Dillon WP; et al: multicenter double-blind placebo-controlled study of gadopentetate dimeglumine as an MR contrast agent: evaluation in patients with cerebral lesions, AJNR 1989; **10:** 53
Russell JGB: is screening for abdominal aortic aneurysm worthwhile?, Clin Radiol 1990; **41:** 182
Russell JL See **Daly BD**
Russell JM See **Russell SA**
Russell KJ; Boileau MA; Higano C; et al: combined 5-fluorouracil and irradiation for transitional cell carcinoma of the urinary bladder, Int J Radiat Oncol Biol Phys 1990; **19:** 693
Russell KJ; Hoppe RT: response of mediastinal Hodgkin's disease to radiotherapy: rate of tumor regression not predictive of outcome, Int J Radiat Oncol Biol Phys 1989; **16:** 201
Russell MO See **Kim HC**
Russell RCG See **Jones SN**
Russell SA; Johnson RJ; Russell JM: pelvic haematoma following orchidectomy: a pitfall in the staging of non-seminomatous germ cell tumour, Br J Radiol 1990; **63:** 492
Russell WJ See **Hayabuchi N**
Russo A See **Cook JA**
Russo A See **DeGraff WG**
Russo D See **Iaccarino V**
Russo G; Tamburino C; Greco G; et al: echocardiographic detection of aortic valve ring abscesses, J Ultrasound Med 1990; **9:** 319
Russo I See **Gutman H**
Russo L See **Sanders TG**
Russo P See **Blumenthal D**
Russo P See **Morin C**
Rusthoven J See **Catton C**
Rustico MA See **Mandruzzato GP**
Rutecki GW See **Kim PK**
Rutegård JN; Åhsgren LR; Janunger KG: ulcerative colitis: colorectal cancer risk in an unselected population, (ab), Radiology 1989; **172:** 291
Rutgeerts LJ See **Verbanck JJ**
Rutgeerts P; Geboes K; Vantrappen G; et al: predictability of the postoperative course of Crohn's disease, (ab), Radiology 1991; **179:** 588
Rutgers AWF See **Begeer JH**
Rutherford BD See **O'Keefe JH**
Rutherford BD See **O'Keefe JH Jr**
Rutherford MA; Cowan FM; Manzur AY; et al: MR imaging of anisotropically restricted diffusion in the brain of neonates and infants, JCAT 1991; **15:** 188
Rutherford RB See **McGuinness G**
Rutherford RB See **Pearce WH**
Rutherford RB; Becker GJ: standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, JVIR 1991; **2:** 169
Rutherford RB; Becker GJ: standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Radiology 1991; **181:** 277
Rutigliano M See **Rogg J**
Rutigliano M See **Tarr RW**
Rutledge JC See **Currarino G**
Rutqvist LE See **Wilking N**
Rutqvist LE: significance of hormone receptors to predict the endocrine responsiveness of human breast cancer, Acta Oncol 1990; **29:** 371
Rutqvist LE; Cedermark B; Glas U; et al: radiotherapy, chemotherapy, and tamoxifen as adjuncts to surgery in early breast cancer: a summary of three randomized trials, Int J Radiat Oncol Biol Phys 1989; **16:** 629
Rutqvist LE; Mattsson B; Signomklao T: cancer mortality trends in Sweden 1960–1986, Acta Oncol 1989; **28:** 771
Rutsch F See **Wernecke K**
Rutt BK See **Napel S**
Rutt BK; Napel S: magnetic resonance techniques for blood-flow measurement and vascular imaging, J Canad Assoc Radiol 1991; **42:** 21
Rutz HP; Little JB: modification of radiosensitivity and recovery from x ray damage *in vitro* by retinoic acid, Int J Radiat Oncol Biol Phys 1989; **16:** 1285
Ruutu P; Ruutu T; Volin L; et al: cytomegalovirus is frequency isolated in bronchoalveolar lavage fluid of bone marrow transplant recipients without pneumonia, (ab), Radiology 1990; **177:** 891
Ruutu T See **Ruutu P**
Ruzal-Shapiro C; Abramson SJ; Berdon WE: posterior mediastinal cystic teratoma surrounded by fat in a 13 month old boy: value of magnetic resonance imaging, Pediatr Radiol 1989; **20:** 107
Ruzal-Shapiro C; Berdon WE; Cohen MD; Abramson SJ: MR imaging of diffuse bone marrow replacement in pediatric patients with cancer, Radiology 1991; **181:** 587
Ryalls MR See **Tilley E**
Ryals TJ See **Nelson DR**
Ryals TJ See **Phillips ME**
Ryals TJ See **Smith TP**
Ryals TJ See **Yuh WTC**
Ryan JR See **Negendank WG**
Ryan JW See **Hay RV**
Ryan JW See **MacMahon H**
Ryan KW See **Galbraith W**
Ryan PJ; Clarke SEM: scintigraphic findings in transplanted crossed fused renal ectopia, Clin Nucl Med 1991; **16:** 601
Ryan S; Chua A; Clabby C; et al: ultrasound as part of a 1-day gastroenterology clinic: advantages and problems, Br J Radiol 1990; **63:** 698
Ryan T See **Akiyama H**
Ryan T See **Conces DJ Jr**
Ryan TP: comparison of six microwave antennas for hyperthermia treatment of cancer: SAR results for single antennas and arrays, Int J Radiat Oncol Biol Phys 1991; **21:** 403
Ryan TP; Hoopes PJ; Taylor JH; et al: experimental brain hyperthermia: techniques for heat delivery and thermometry, Int J Radiat Oncol Biol Phys 1991; **20:** 739
Ryan TP; Mechling JA; Strohbehn JW: absorbed power deposition for various insertion depths for 915 MHZ interstitial dipole antenna arrays: experiment versus theory, Int J Radiat Oncol Biol Phys 1990; **19:** 377
Ryan TP; Samulski TV; Lyons BE; et al: thermal conduction effects associated with temperature measurements in proximity to radiofrequency electrodes and microwave antennas, Int J Radiat Oncol Biol Phys 1989; **16:** 1557
Ryan WG See **Dwarakanathan AA**
Ryberg M; Lundell M; Nilsson B; et al: malignant disease after radiation treatment of benign gynaecological disorders: a study of a cohort of metropathia patients, Acta Oncol 1990; **29:** 563
Rybka WB See **El-Khatib EE**
Rychly J; Knippel E; Krygier-Stojalowska A; et al: DNA cytometric and histologic findings in mouse tumors (BP and S 180) with different response to treatment with tumor necrosis factor, Acta Oncol 1990; **29:** 47
Ryckman FG See **Matsumoto JS**
Rycyna RE See **Sarkar SK**
Rydberg J See **Tervonen O**
Rydberg JN See **Butts RK**
Ryder JP See **Cullum ID**
Rydholm A See **Herrlin K**
Rydholm U See **Björkengren AG**
Rydzy M; Deslauriers R; Smith ICP; et al: optimization of magnetization transfer measurements: statistical analysis by stochastic simulation. application to creatine kinase kinetics, Magn Res Med 1990; **15:** 260
Ryerson TW See **Calandra JD**
Rymel J See **Delacroix S**
Rymel J See **El-Khatib EG**
Ryo UY: prediction of postoperative loss of lung function in patients with malignant lung mass: quantitative regional ventilation-perfusion scanning, Radiol Clin North Am 1990; **28:** 657
Ryoo MC; Kagan AR; Wollin M; Tomé MA; Tedeschi MA; Rao AR; Hintz BL; Kuruvilla AM; Nussbaum H; Streeter OE Jr; Jabola BR; Miller MJ: prognostic factors for recurrence and cosmesis in 393 patients after radiation therapy for early mammary carcinoma, Radiology 1989; **172:** 555
Ryöppy S See **Pelkonen P**
Rypens F See **Avni EF**
Ryu KN See **Lim JH**
Ryu R See **Lynch TCP**
Ryzhkov VK See **Tarazov PG**
Rzedzian RR See **Cohen MS**
Rzedzian RR See **Saini S**
Rzeszotarski MS See **Wiener SN**

S

Saad F See **Homsy YL**
Sääf J See **Agartz I**
Sääf J See **Wahlund L-O**
Saari A: pharmacokinetics of three contrast media in experimental pancreatography, Acta Radiol 1989; **30:** 81
Saarinen O See **Ahovuo J**
Saarinen O: diagnostic value of resistive index of renal transplants in the early postoperative period, Acta Radiol 1991; **32:** 166
Saatçi I See **Akhan O**
Saatci U See **Anlar B**
Saban J See **Corres J**
Sabatelli FW See **Hopper KD**
Sabbá C; Ferraioli G; Sarin SK; et al: feasibility spectrum for Doppler flowmetry of splanchnic vessels: in normal and cirrhotic populations, J Ultrasound Med 1990; **9:** 705
Sabbagh EA See **Barnes GT**
Sabey PL See **Clark SL**
Sachar DB See **Sugita A**
Sacharias N See **Jackson G**
Sacharias N See **Waugh JR**
Sachdev VP See **Som PM**
Sacher M; Gotteswan RI; Rothman AS; et al: magnetic resonance imaging and computed tomography of an intraventricular craniopharyngioma, Clin Imag 1990; **14:** 116
Sacher MM See **Som PM**
Sachinwalla T; Godfrey C; Palmer J: survey of risk factors for adverse reactions to intravenous contrast media, Australas Radiol 1991; **35:** 106
Sachinwalla TN See **Lam AH**
Sachs PB See **Ha HK**
Sachs RK See **Hlatky L**
Sackier JM; Dawson P; Allison D; et al: case report: an unusual angiogram in a patient with gastrointestinal bleeding, Clin Radiol 1990; **41:** 425
Sackmann M See **Sauerbruch T**
Sackmann M; Pauletzki J; Sauerbruch T; et al: Munich gallbladder lithotripsy study: results of the first 5 years with 711 patients, (ab), JVIR 1991; **2:** 420
Sacks BA; Greenberg JJ; Porter DH; et al: internalized double-J catheter for percutaneous transgastric cystogastrostomy, AJR 1989; **152:** 523
Sacks D; Robinson ML; Marinelli DL; Perlmutter GS: evaluation of the peripheral arteries with duplex US after angioplasty, Radiology 1990; **176:** 39
Sacks D; Robinson ML; Perlmutter GS: femoral arterial injury following catheterization: duplex evaluation, J Ultrasound Med 1989; **8:** 241
Sacks D; Summers TA: antegrade selective catheterization of femoral vessels with a 4- or 5-F catheter and safety wire, JVIR 1991; **2:** 325
Sacks GA See **Delbeke D**
Sacks HS; Chalmers TC; Blum AL; et al: endoscopic hemostasis: an effective therapy for bleeding peptic ulcers, (ab), JVIR 1990; **1:** 139

Sacks W See Hammer BE
Sadasivan B See Ausman JI
Sadato N See Gellad FE
Sadato N; Numaguchi Y; Geisler FH; et al: extradural epidermoid cyst occluding the transverse sinus: a case report, Comput Med Imag Graph 1991; **15:** 129
Sadato N; Numaguchi Y; Rigamonti D; et al: bleeding patterns in ruptured posterior fossa aneurysms: a CT study, JCAT 1991; **15:** 612
Sadato N; Rigamonti D; Numaguchi Y: incidental aneurysm of the superior cerebellar and non-visualized posterior inferior cerebellar artery: a diagnostic trap, Neuroradiol 1989; **31:** 364
Saddekni S See Brown KT
Saddemi SR See Zeiss J
Sadeghi A See Tran L
Sadile F See Iaccarino V
Sadler LR; Jungreis CA; Lunsford LD; et al: angiographic technique to precede gamma knife radiosurgery for intracranial arteriovenous malformations, AJNR 1990; **11:** 1157
Sadler LR; Tarr RW; Jungreis CA; et al: sinus pericranii: CT and MR findings, JCAT 1990; **14:** 124
Sadler& PJ See Bell JD
Sadler PJ See Bligh SWA
Sadler PJ See Brown JCC
Sadove AM See Maginot TJ
Sadry F; Hauser H: fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature, Gastrointest Radiol 1990; **15:** 296
Saeed M See Higgins CB
Saeed M See Masui T
Saeed M See Rose SC
Saeed ; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB: occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Radiology 1989; **172:** 59
Saeed M; Wendland MF; Masui T; Connolly AJ; Derugin N; Brasch RC; Higgins CB: myocardial infarction: assessment with an intravascular MR contrast medium. work in progress, Radiology 1991; **180:** 153
Saeed M; Wendland MF; Takehara Y; Higgins CB: reversible and irreversible injury in the reperfused myocardium: differentiation with contrast material–enhanced MR imaging, Radiology 1990; **175:** 633
Saeed M; Wendland MF; Tomei E; Rocklage SM; Quay SC; Moseley ME; Wolfe C; Higgins CB: demarcation of myocardial ischemia: magnetic susceptibility effect of contrast medium in MR imaging, Radiology 1989; **173:** 763
Saeger W See Reincke M
Saenger EL See Kusić Z
Saenz de Tejada I See Witt MA
Saerens J See Dierckx RA
Saeter G See Lien HH
Safail H See Homer MJ
Safi F See Roth J
Safian RD; Gelbfish JS; Erny RE; et al: coronary atherectomy: clinical, angiographic, and histological findings and observations regarding potential mechanisms, (ab), JVIR 1990; **1:** 138
Safrit H See Newbold R
Safrit HD; Rice RP: gastrointestinal complications of pancreatitis, Radiol Clin North Am 1989; **27:** 73
Saga T See Kawamura Y
Saga T See Nagata Y
Saga T; Endo K; Koizumi M; et al: in vitro and in vivo properties of human/mouse chimeric monoclonal antibody specific for common acute lymphocytic leukemia antigen, J Nucl Med 1990; **31:** 1077
Sagar SM; Thomas RJ; Loverock LT; et al: olfactory sensations produced by high-energy photon irradiation of the olfactory receptor mucosa in humans, Int J Radiat Oncol Biol Phys 1991; **20:** 771
Sage M See Michael R
Sage MR See Beaumont GD
Sage MR See Brown RV
Sage MR See Evill CA
Sage MR See Jones DN
Sage MR See Knox AM
Sage MR See Whisson CC
Sage MR: supratentorial tumours: part I: general role of imaging, Australas Radiol 1991; **35:** 4
Sage MR: supratentorial tumours. part III: tumours of non neuroglial cells (1), Australas Radiol 1991; **35:** 112
Sage MR: supratentorial tumours: part II: tumours of neuroglial cells, Australas Radiol 1991; **35:** 18
Sage MR: supratentorial tumours. part IV: tumours of non neuroglial cells (2), Australas Radiol 1991; **35:** 124
Sage MR; Syme J: training and postgraduate examinations in radiology in Australasia, Invest Radiol 1991; **26:** 761
Sagel SS See Frank MS
Sagel SS See Glazer HS
Sagel SS See Greene R
Sagel SS See Hayward I
Sagel SS See Kountz PD
Sagel SS; Jost RG; Glazer HS; et al: digital mobile radiography, J Thorac Imag 1990; **5-1:** 36
Sagel SS; Ramsey RG: effective audiovisual presentation, AJR 1991; **156:** 181
Sager EM; Fossá SD; Kaalhus O; et al: computed tomography of the urinary bladder shortly after radiation therapy for rectal carcinoma, Acta Radiol 1990; **31:** 585
Sager EM; Kaalhus O: features of irradiated urinary bladder tumors and their correlation with malignancy observed on computed tomography, Acta Radiol 1991; **32:** 57
Sager EM; Skretting A; Lindskõld L: absorbed dose resulting from specially designed computed tomography technique for examination of the urinary bladder, Acta Radiol 1989; **30:** 57
Sagerman RH See Browning D
Sagerman RH; Cooper J; Cox JD; Wharam M: oncology/radiation therapy. RSNA '90 meeting notes, Radiology 1991; **178:** 606
Sagerman RH; Cox JD; Moss WT: oncology/radiation therapy: RSNA '88 meeting notes, Radiology 1989; **170:** 917
Sagerman RH; Cox JD; Moss WT: oncology/radiation therapy: RSNA '89 meeting notes, Radiology 1990; **174:** 919
Sagerman RH; Kotlove DJ; Regine WF; Chung CT; King GA; Dalal PS: stage II seminoma: results of postorchiectomy irradiation, Radiology 1989; **172:** 565
Sağlam S See Tekkök IH
Sagoh T See Kawakami S
Sagoh T See Togashi K
Sagoh T; Itoh K; Togashi K; Shibata T; Minami S; Noma S; Yamashita K; Nishimura K; Asato R; Mori K; Nishikawa T; Nakano Y; Konishi J: gallbladder carcinoma: evaluation with MR imaging, Radiology 1990; **174:** 131
Sagoh T; Itoh K; Togashi K; Shibata T; Nishimura K; Minami S; Asato R; Noma S; Fujisawa I; Yamashita K; Nakano Y; Konishi J: Gamna-Gandy bodies of the spleen: evaluation with MR imaging, Radiology 1989; **172:** 685
Saha MM See Kapoor R
Saha MM See Kumar R
Saha MM See Mittal A
Saha MM; Kapoor R: ossifying metastasis in lymph nodes and other bones in osteosarcoma, Pediatr Radiol 1989; **20:** 97
Sahatjian R See Leach KR
Sahel J See Agostini S
Sahel J See Bastid C
Sahler LG See Katzberg RW
Sahlstedt B See Thorén B
Sahn SA See Baumann MH
Sahn SA See Milam MG
Sahni K; Tribukait B; Einhorn N: comparative study of proportion of S-phase cells in ascites and pleural effusions in ovarian carcinoma using antibromodeoxyuridine monoclonal antibody and DNA flow-cytometry, Acta Oncol 1989; **28:** 705
Sahni K; Tribukait B; Einhorn N: development of ploidy and cell proliferation in serial samples of ascites from patients with ovarian carcinoma, Acta Oncol 1990; **29:** 193
Sahweil A See Elgazzar AH
Sahweil A See Hassan IM
Saibil EA See McLennan MK
Saifuddin A; Irving HC; Whelan P: case report: therapeutic embolization to control haematuria from transitional cell carcinoma of the kidney, Clin Radiol 1991; **44:** 132
Saifuddin A; Robertson RJH; Smith SEW: radiology of Askin tumours, Clin Radiol 1991; **43:** 19
Saiki S See Narumi Y
Sailer SL See Rosenman J
Sailer SL; Bourland JD; Rosenman JG; et al: 3-D beams need 3-D names, Int J Radiat Oncol Biol Phys 1990; **19:** 797
Sailer SL; Sherouse GW; Chaney EL; et al: comparison of postoperative techniques for carcinomas of the larynx and hypopharynx using 3-D dose distributions, Int J Radiat Oncol Biol Phys 1991; **21:** 767
Sailer SL; Shipley WU; Wang CC: carcinoma of the female urethra: a preview of results with radiation therapy, (ab), Radiology 1989; **170:** 585
Saini S See Brink JA
Saini S See Dawson SL
Saini S See Edelman RR
Saini S See Egglin TK
Saini S See Gaa J
Saini S See Goldberg MA
Saini S See Hahn PF
Saini S See Itoh K
Saini S See Kammer B
Saini S See Lee MJ
Saini S See Morrison MC
Saini S See Mueller PR
Saini S See Rummeny E
Saini S See Silverman SG
Saini S See Tung GA
Saini S: principles, AJR 1991; **156:** 236
Saini S; Fretz CJ; Fisel CR; et al: in vitro evaluation of a mechanical injector for infusion of magnetic resonance contrast media, Invest Radiol 1991; **26:** 748
Saini S; Li W; Wallner B; Hahn PF; Edelman RR: MR imaging of liver metastases at 1.5 T: similar contrast discrimination with T1- and T2-weighted pulse sequences, Radiology 1991; **181:** 449
Saini S; Modic MT; Hamm B; et al: advances in contrast-enhanced MR imaging, AJR 1991; **156:** 235
Saini S; Mueller PR; Gaa J; et al: percutaneous gastrostomy with gastropexy: experience in 125 patients, AJR 1990; **154:** 1003
Saini S; Stark DD; Rzedzian RR; Pykett IL; Rummeny E; Hahn PF; Wittenberg J; Ferrucci JT Jr: forty-millisecond MR imaging of the abdomen at 2.0 T, Radiology 1989; **173:** 111
St. Amour TE See Siegel MJ
St. George JK; Heyman S; Corcoran TR: serendipitous diagnosis of a pseudoaneurysm by the three-phase bone scan, Clin Nucl Med 1991; **16:** 446
St. George JK; Pollak JS: acute gastrointestinal hemorrhage detected by selective scintigraphic angiography, J Nucl Med 1991; **32:** 1601
St. George JK; Velchik MG: biliary complications of gallstone lithotripsy detected by Tc-99m DISIDA scintigraphy, Clin Nucl Med 1991; **16:** 157
Saint-Jalmes H See Bittoun J
St. Louis EL See Gray RR
St. Louis L See Haik BG
Saint-Louis LA See Henschke CI
St. Onge O See Berman LH
St. Ville EW; Jafri SZH; Madrazo BL; et al: endorectal sonography in the evaluation of rectal and perirectal disease, AJR 1991; **157:** 503
Sais GJ See Casillas J
Saita H; Matsukawa M; Fukushima H; et al: ultrasound diagnosis of ureteral stones: its usefulness with subsequent excretory urography, (ab), Radiology 1989; **170:** 584
Saitas V See Gold PF
Saito K See Takahashi K
Saito M See Ohnishi K
Saito M See Ohzono K
Saito T See Shirakusa T
Saito Y See Uzuka Y
Saito Y See Yokoi K
Saito Y; Slezak P; Rubio C: diagnostic value of combining flexible sigmoidoscopy and double-contrast barium enema as a one-stage procedure, Gastrointest Radiol 1989; **14:** 357
Saitoh Y See Arakawa A
Saitou Y See Mori K
Saiwai S See Yoshioka M
Saji H See Kawai K
Saji H See Yamamoto K
Saji T See Umezawa T
Saka H See Watanabe A
Sakae T See Yamashita Y
Sakagami H See Tsugaya M
Sakaguchi H See Yoshioka T
Sakaguchi S See Kichikawa K
Sakahara H; Reynolds JC; Carrasquillo JA; et al: in vitro complex formation and biodistribution of mouse antitumor monoclonal antibody in cancer patients, J Nucl Med 1989; **30:** 1311
Sakai F See Sone S
Sakai F; Gamsu G; Dillon WP; et al: MR imaging of the larynx at 1.5 T, JCAT 1990; **14:** 60
Sakai N See Iwama T
Sakai O See Takahashi K
Sakai T See Matsumoto T
Sakakibara T See Nakata T
Sakamoto C; Oikawa K; Kashimura M; et al: sonographic appearance of placental site trophoblastic tumor, J Ultrasound Med 1990; **9:** 533
Sakamoto K See Sato A
Sakamoto T See You-Bing D
Sakamoto Y See Korogi Y
Sakamoto Y See Takahashi M
Sakamoto Y See Yamashita Y
Sakamoto Y; Takahashi M; Korogi Y; Bussaka H; Ushio Y: normal and abnormal pituitary glands: gadopentetate dimeglumine–enhanced MR imaging, Radiology 1991; **178:** 441
Sakata K See Kurata C
Saker M See Mendelson EB
Sako E See Robitaille P-M
Saks AM See Posner R

Saku K See **Handa K**

Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T: adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Radiology 1991; **180:** 229

Sakuma S See **Ikeda M**

Sakuma S See **Ishigaki T**

Sakuma S See **Kobayashi H**

Sakuma S See **Oshima M**

Sakuma T See **Itoh K**

Sakuma T See **Yamada N**

Sakurada K; Imamura M; Kobayashi M; et al: inhibitory effect of bestatin on the growth of human leukemic cells, Acta Oncol 1990; **29:** 799

Sakurai K; Marumo F; Iwanami S; et al: quantitative computed tomographic evaluation of femoral bone mineral content in renal osteodystrophy compared with radial photon absorptiometry, Invest Radiol 1989; **24:** 375

Sakurai M See **Kuroda C**

Sakuyama K See **Araki T**

Salaki JS See **Caruana V**

Salam M; Keeffe EB: liver cysts associated with polycystic kidney disease: role of Tc-99m hepatobiliary imaging, Clin Nucl Med 1989; **14:** 803

Salamat MS See **Knutzon RK**

Salamon G See **Milandre L**

Salamon G; Cronqvist S: about the training seminar on nervous system imaging, J Neuroradiol 1991; **18:** 77

Salamon G; Martini P; Ternier F; et al: topographical study of supratentorial brain tumours, J Neuroradiol 1991; **18:** 123

Salari R See **Chaudhuri R**

Salazar FG See **Lamiell JM**

Salazar JE See **Wallace R**

Salazar O See **Chougule P**

Salazar OM; Yee GJ; Slawson RG: radiation therapy for chest recurrences following induction chemotherapy in small cell lung cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 645

Salcman M See **Hankins JR**

Saldana MJ See **Oldham SAA**

Saleh MN; Wheeler RH; Lee JY; et al: In-111 labeled monoclonal anti-carcinoembryonic antigen antibody (ZCE025) in the immunoscintigraphic imaging of metastatic antigen-producing adenocarcinomas, Clin Nucl Med 1991; **16:** 110

Salem LE See **Zaharia M**

Sales SF See **Sternlicht M**

Salgado P See **Del Brutto OH**

Salgado P; Del Brutto OH; Talamás O; et al: intracranial tuberculoma: MR imaging, Neuroradiol 1989; **31:** 299

Salimi Z See **George EA**

Salimi Z; Fishbein M; Wolverson MK; et al: pancreatic lymphangioma: CT, MRI, and angiographic features, Gastrointest Radiol 1991; **16:** 248

Salinas F See **Miller DD**

Salinas-Madrigal L See **Luisiri A**

Salisbury JR See **Evans RA**

Sallee DS See **Becker GJ**

Sallee DS See **Fernandez GG**

Sallee DS See **Zemel G**

Sallee DS; Cooper C; Ravin CE: medical student perceptions of diagnostic radiology: influence of a senior radiology elective, Invest Radiol 1989; **24:** 724

Salloway JC See **Kjerulff KH**

Salmaso R See **Rubaltelli L**

Salmin E See **van Maldergem L**

Salminen E: external beam radiation treatment of urinary bladder carcinoma: an analysis of results in 203 patients, Acta Oncol 1990; **29:** 909

Salminen H See **Hederström E**

Salminen JJ See **Tertti MO**

Salmo M See **Elomaa I**

Salmo M See **Niiranen A**

Salmon I See **Gevenois PA**

Salmon Y See **Decostre PL**

Salmona M See **Romano M**

Salmonson EC See **Kullendorff CM**

Salo JA See **Bondestam S**

Salo JA See **Taskinen SO**

Salo S See **Vorne M**

Salomon CG; Ali A; Fordham EW: bone imaging in patients with unexpected elevation of serum alkaline phosphatase, Clin Nucl Med 1989; **14:** 567

Salomon CG; Patel SK: computed tomography of chronic nonpuerperal uterine inversion, JCAT 1990; **14:** 1024

Salomonowitz E See **Zollikofer CL**

Salomonowitz E; Youssefzadeh S; Reiner A; et al: nontraumatic myositis ossificans in the breast, Eur J Radiol 1991; **12:** 130

Salonen D See **Millward S**

Salonen E-M See **Maasilta P**

Salonen JT See **Salonen R**

Salonen OLM See **Bondestam S**

Salonen OLM: case of anaphylaxis and four cases of allergic reaction following Gd-DTPA administration, JCAT 1990; **14:** 912

Salonen R; Haapanen A; Salonen JT: measurement of intima-media thickness of common carotid arteries with high-resolution B-mode ultrasonography: inter- and intra-observer variability, Ultrasound Med Biol 1991; **17:** 225

Saloner D See **Anderson CM**

Saloner D; Anderson CM: flow velocity quantitation using inversion tagging, Magn Res Med 1990; **16:** 269

Saloner D; Hanson WA; Tsuruda JS; van Tyen R; Anderson CM; Lee RE: application of a connected-voxel algorithm to MR angiographic data, JMRI 1991; **1:** 423

Salter MM See **Kim RY**

Salter MM See **Spencer SA**

Salti R See **Vichi GF**

Saltiel AA See **Mintz A**

Saltzman DH See **Benacerraf BR**

Saltzman DH See **Benson CB**

Salutz JR See **Felmlee JP**

Salvador J See **Vicente J**

Salvador M See **Salvador R**

Salvador R: radiology department organization and radiology education, Radiology 1989; **172:** 609

Salvador R; Salvador M; Jimenez JA; et al: galactocele of the breast: radiologic and ultrasonographic findings, Br J Radiol 1990; **63:** 140

Salvadori B See **Veronesi U**

Salvatierra O See **Olcott EW**

Salvatori FM See **Rossi P**

Salvolini U See **Gabrielli O**

Salvolini U See **Masala W**

Samad SA; Goon HK: type 1 choledochal cysts: preoperative evaluation by ultrasound, Australas Radiol 1989; **33:** 160

Samaha F See **Balaban RS**

Samaratunga RC See **Maxon HR III**

Samaraweera RN; Feldman L; Widrich WC; Waltman A; Steinberg F; Greenfield A; Srinivasan M; Robbins AH; Johnson WC: stomal varices: percutaneous transhepatic embolization, Radiology 1989; **170:** 779

Samberg LC See **Banerian KG**

Sambrook P See **Ashleigh RJ**

Sambrook P See **Maxwell AJ**

Sambrook PN; Eisman JA; Champion GD: sex hormone status and osteoporosis in postmenopausal women with rheumatoid arthritis, (ab), Radiology 1989; **171:** 294

Sambrook PN; Shawe D; Hesp R; et al: rapid periarticular bone loss in rheumatoid arthritis: possible promotion by normal circulating concentrations of parathyroid hormone or calcitriol (1,25-dihydroxyvitamin D_3), (ab), Radiology 1990; **177:** 894

Samejima M See **Tamura S**

Samin A; Becker JA: CT nephrogram in acute obstructive uropathy, Urol Radiol 1991; **12:** 178

Samlowski WE See **Mann H**

Sammons N See **Ownby DR**

Samoszuk MK; Fang M; Anderson A-LJ: radioimmunodetection of degranulated human eosinophils in mice: a potential model for imaging Hodgkin's disease and other pathologic conditions, J Nucl Med 1991; **32:** 89

Sampathkumaran KS See **Miller TR**

Samphilipo MA Jr See **Wunderlich CC**

Sampliner RE See **Hixson LJ**

Sampson CM See **Eifel PJ**

Sampson M See **Santolaya J**

Sampson MA See **Gaines PA**

Sampson MA See **Houston JP**

Sampson MA; Lyons TJ; Nottingham J; et al: ultrasound Doppler of recurrent intussusception due to inflammatory fibroid polyp of the ileum, J Ultrasound Med 1990; **9:** 423

Sampson MA; Warren SJ: case report: acute extradural compression due to an intraspinal synovial cyst: CT and myelogram appearances, Clin Radiol 1990; **41:** 433

Samsa GP See **Econs MJ**

Samsami N See **Bagne FR**

Samson D See **Purdy PD**

Samson L See **Chalaoui J**

Samson L See **Dussault RG**

Samson L See **Morency G**

Samson L; Chalaoui J; Paradis B: general case of the day, Radiographics 1990; **10:** 508

Samson Y See **Pappata S**

Samudrala R See **Forman HP**

Samuels BL See **Kahn CE Jr**

Samuels LJ See **Kenney PJ**

Samuels P; Ludmir J: nonimmune hydrops fetalis: a heterogeneous disorder and therapeutic challenge, Semin Roentgenol 1990; **25:** 353

Samuels T See **Franczyk J**

Samuels TH; Hamilton PA; Ngan B: mediastinal Castleman's disease: demonstration with computed tomography and angiography, J Canad Assoc Radiol 1990; **41:** 380

Samuels TH; Hamilton PA; Shaw P: Whipple disease of the mediastinum, AJR 1990; **154:** 1187

Samuels TH; Kerenyi N; Hamilton PA: cystosarcoma phylloides: calcified pulmonary metastases detected by computed tomography, J Canad Assoc Radiol 1990; **41:** 217

Samuels TH; Kerenyi N; Taylor G; et al: practical aspects of mammographic-pathological correlation: experience with needle localization, J Canad Assoc Radiol 1990; **41:** 127

Samuels TH; Morava-Protzner I; Youngson B; et al: calcification in bronchopulmonary sequestration, J Canad Assoc Radiol 1989; **40:** 106

Samuelsson L See **Jarlman O**

Samuelsson L See **Thorvinger B**

Samuelsson L; Albertsson M; Hambraeus G; et al: effect of chemotherapy and radiotherapy on squamous cell carcinoma of the esophagus: a preoperative radiologic evaluation, Acta Radiol 1991; **32:** 247

Samuelsson L; Jönsson L; Lamm I-L; et al: electrolysis with different electrode materials and combined with irradiation for treatment of experimental rat tumors, Acta Radiol 1991; **32:** 178

Samulski TV See **Dewhirst MW**

Samulski TV See **Oleson JR**

Samulski TV See **Ryan TP**

Samulski TV; Fessenden P; Lee ER; et al: spiral microstrip hyperthermia applicators: technical design and clinical performance, Int J Radiat Oncol Biol Phys 1990; **18:** 233

Sanabria JR See **Strasberg SM**

Sanada S See **MacMahon H**

Sanada T See **Cohen Y**

Sanborn TA See **Harrington ME**

Sanborn TA See **Mitty HA**

Sanborn TA: technical success, clinical success, and patency in laser angioplasty, Radiology 1989; **170:** 576

Sanborn TA; Cumberland DC; Greenfield AJ; et al: peripheral laser-assisted balloon angioplasty: initial multicenter experience in 219 peripheral arteries, (ab), Radiology 1990; **175:** 291

Sanborn TA; Greenfield AJ: response. peripheral laser angioplasty: need for organized clinical trials, Radiology 1989; **172:** 943

Sanborn TA; Mitty HA; Train JS; Dan SJ: infrapopliteal and below-knee popliteal lesions: treatment with sole laser thermal angioplasty. work in progress, Radiology 1989; **172:** 89

Sanborn TA; Torre SR; Sharma SK; et al: percutaneous coronary excimer laser-assisted balloon angioplasty: initial clinical and quantitative angiographic results in 50 patients, (ab), JVIR 1991; **2:** 293

Sanches J See **Lee SR**

Sánchez A See **Martin M**

Sánchez E See **Avilés A**

Sánchez M See **Martinez A**

Sanchez RB See **D'Agostino HB**

Sanchez RB See **vanSonnenberg E**

Sanchez RB; Quinn SF; Walling A; et al: case report 569, Skeletal Radiol 1989; **18:** 485

Sanchez RB; Quinn SF; Walling A; Estrada J; Greenberg H: musculoskeletal neoplasms after intraarterial chemotherapy: correlation of MR images with pathologic specimens, Radiology 1990; **174:** 237

Sanchez RL See **Calhoun KH**

Sánchez de Toledo J; Moraga F; Teijeiro AF; et al: clinical and radiographic response of Langerhans' cell histiocytosis with chemotherapy, Neuroradiol 1990; **31:** 547

Sanchez-Herrera S See **López-Barea F**

KSanchez la Fuente J See **Alvarez G**

Sanchez-Ramos L See **Sanders TG**

Sánchez-Roa PM See **Villemagne VL**

Sanchiz F; Millá A; Torner J; et al: single fraction per day versus two fractions per day versus radiochemotherapy in the treatment of head and neck cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1347

Sand T: which factors affect reported headache incidences after lumbar myelography?: a statistical analysis of publications in the literature, Neuroradiol 1989; **31:** 55

Sand T; Myhr G; Stovner LJ; et al: side effects after ambulatory lumbar iohexol myelography, Neuroradiol 1989; **31:** 49

Sand T; Myhr G; Stovner LJ; et al: side effects after lumbar iohexol myelography: relation to radiological diagnosis, sex and age, Neuroradiol 1990; **31:** 523

Sandberg N See **Turesson I**

Sandberg N; Mercke C; Turesson I: glottic laryngeal carcinoma with fixed vocal cord treated with full-dose radiation, total laryngectomy or combined treatment, Acta Oncol 1990; **29:** 509

Sandberg SA See **Nghiem HT**

Sandelin J See **Slätis P**
Sandeman TF See **Kiffer JD**
Sandeman TF: carcinoma penis, Australas Radiol 1990; **34:** 12
Sander B See **Hosten N**
Sander B See **Schörner W**
Sanders C See **Alexander PW**
Sanders C See **Fraser RG**
Sanders C See **Morgan DE**
Sanders C See **Nath H**
Sanders C See **Rostand SG**
Sanders C: current role of conventional and digital aortography in the diagnosisQof aortic disease, J Thorac Imag 1990; **5-4:** 48
Sanders C: radiographic diagnosis of emphysema, Radiol Clin North Am 1991; **29:** 1019
Sanders DE: breast cancer: collaborative management, Radiology 1989; **170:** 694
Sanders DE: controversies in breast disease: diagnosis and management, Radiology 1989; **170:** 748
Sanders JA: *Klebsiella pneumoniae* osteomyelitis: demonstration by three-phase radionuclide bone imaging, J Nucl Med 1989; **30:** 1412
Sanders JA: rhabdomyolysis detected by bone imaging, Clin Nucl Med 1989; **14:** 431
Sanders JB See **Majoie CBLM**
Sanders LD; Jequier S: ultrasound demonstration of prenatal renal vein thrombosis, Pediatr Radiol 1989; **19:** 133
Sanders LM See **Roshkow JE**
Sanders LM; Botet JF; Straus DJ; et al: CT of primary lymphoma of the liver, AJR 1989; **152:** 973
Sanders LM; Premkumar A; Amis ES Jr; et al: trauma-induced testicular torsion: ultrasonographic features and pathologic correlation, JCU 1989; **17:** 538
Sanders LM; Premkumar A; Levy HM; et al: pneumoperitoneum resembling air in the biliary tree: CT features, JCAT 1989; **13:** 817
Sanders ME See **Kursunoglu-Brahme S**
Sanders R See **Rugg T**
Sanders RC See **Blask ARN**
Sanders RC See **Harris GR**
Sanders RC See **Kronthal AJ**
Sanders RC See **Savader BL**
Sanders RC: infertility diagnosis by ultrasound, Urol Radiol 1991; **13:** 41
Sanders RC: prenatal ultrasonic detection of anomalies with a lethal or disastrous outcome, Radiol Clin North Am 1990; **28:** 163
Sanders RC; Blakemore K: lethal fetal anomalies: sonographic demonstration, Radiology 1989; **172:** 1
Sanders RJ; Haug CE; Pearce WH: recurrent thoracic outlet syndrome, (ab), JVIR 1991; **2:** 409
Sanders SP See **Benacerraf BR**
Sanders TG See **Elster AD**
Sanders TG; Clayman DA; Sanchez-Ramos L; Vines FS; Russo L: brain in eclampsia: MR imaging with clinical correlation, Radiology 1991; **180:** 475
Sanders TG; Northup HM; Wilf LH: case report: bilateral upper lobe *Pneumocystis carinii* pneumonia in a patient receiving aerosolized pentamidine, Clin Radiol 1991; **43:** 356
Sanders TG; Wilf LH; Northup HM: case report: malignant fibrous histiocytoma: etiology for a cold defect on technetium-99m-methylene diphosphonate bone scan, J Nucl Med 1990; **31:** 1104
Sanders WE Jr See **Verani MS**
Sanders WHJ; Lampmann LEH: percutaneous ultrasound-guided management of pericardial fluid, Eur J Radiol 1991; **12:** 147
Sanders WP See **Quint DJ**
Sanderson H See **Bull A**
Sanderson J See **Lee SH**
Sandhu FS; Dillon WP: MR demonstration of leukoencephalopathy associated with mitochondrial encephalomyopathy: case report, AJNR 1991; **12:** 375
Sandhu GS; Steele R; Gonnella NC: effect of L-thyroxine (LT_4) and D-thyroxine (DT_4) on cardiac function and high-energy phosphate metabolism: a ^{31}P NMR study, Magn Res Med 1991; **18:** 237
Sandhu JS; Goodman PC: pulmonary cysts associated with *Pneumocystis carinii* pneumonia in patients with AIDS, Radiology 1989; **173:** 33
Sandin B See **Jaffe V**
Sandini F See **Liessi G**
Sandison GA See **Huda W**
Sandler CM See **Dunnick NR**
Sandler ED; Parisi MT; Hattner RS: duration of etidronate effect demonstrated by serial bone scintigraphy, J Nucl Med 1991; **32:** 1782
Sandler HM; Curran WJ Jr; Turrisi AT III: influence of tumor size and pre-treatment staging on outcome following radiation therapy alone for stage I non-small cell lung cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 9
Sandler HM; Rubenstein JH; Fowble BL; et al: results of radiotherapy for thyroid ophthalmopathy, Int J Radiat Oncol Biol Phys 1989; **17:** 823
Sandler MA See **Alpern MB**
Sandler MA See **Dorfman RE**
Sandler MA See **Pearlberg JL**
Sandler MP See **Boiskin I**
Sandler MP See **Delbeke D**
Sandler MP See **Garty I**
Sandler MP See **van Gils APG**
Sandor T See **Mulkern RV**
Sandrasagra FA See **Davies RJ**
Sandrasagra FA See **Ignotus PI**
Sandrock D See **Cuocolo A**
Sandrock D See **Simon T**
Sandrock D; Franke U-C; Herborn G; et al: myocardial scintigraphy with Tc-99m TBI in a 6-month-old infant with myocardial infarction after Mustard operation, Clin Nucl Med 1989; **14:** 381
Sandson TA; Friedman JH: spinal cord infarction: report of 8 cases and review of the literature, (ab), Radiology 1990; **175:** 293
Sandstrom J See **Edelman RR**
Sandstrom JC See **Brown JJ**
Sandstrom JC See **Perman WH**
Saner M See **Buchli R**
Sanfilippo FP See **Genkins SM**
Sanford D See **Duensing R**
Sanft C See **Ziegler K**
Sangalli G See **Livraghi T**
Sangar VK; Gini A; Fuentes RT; et al: diagnosis of a liver abscess with Ga-67 and radiocolloid tomography, Clin Nucl Med 1989; **14:** 443
Sanger J See **Roses DF**
Sanger JJ See **Birnbaum BA**
Sanger JJ See **Kramer EL**
Sano M See **Michikawa M**
Sanowski RA See **DiSario JA**
Sansone KJ See **Sullivan ME**
Sant ME See **Berners-Price SJ**
Santavirta S See **Slätis P**
Santavirta S; Hoikka V; Eskola A; et al: aggressive granulomatous lesions in cementless total hip arthroplasty, (ab), Radiology 1991; **179:** 887
Santavirta S; Slätis P; Kankaanpää U; et al: treatment of the cervical spine in rheumatoid arthritis, (ab), Radiology 1989; **170:** 587
Santelli ED See **Levinsohn EM**
Santer R; Young C; Rossi T; et al: computed tomography in superior mesenteric artery syndrome, Pediatr Radiol 1991; **21:** 154
Santi V See **Bolondi L**
Santis G; Hodson ME; Strickland B: high resolution computed tomography in adult cystic fibrosis patients with mild lung disease, Clin Radiol 1991; **44:** 20
Santolaya J; Sampson M; Nobles G; et al: Doppler evaluation of the fetoplacental circulation in the latent phase of preterm premature rupture of membranes, J Ultrasound Med 1991; **10:** 327
Santoni R; Bucciolini M; Chiostrini C; et al: quantitative magnetic resonance imaging in cervical carcinoma: a report on 30 cases, Br J Radiol 1991; **64:** 498
Santoro G See **Costa A**
Santos E; Boavida JE; Barroso A; et al: late osteoarticular lesions following meningococcemia with disseminated intravascular coagulation, Pediatr Radiol 1989; **19:** 199
Santos JA See **Jaén J**
Santos JMG: laryngotracheobronchial cartilage calcification in children: a case report and review of the literature, Pediatr Radiol 1991; **21:** 377
Santos M See **Calvo FA**
Santos O; Perez LM; Briggle TV; et al: radiation, pool size and incorporation studies in mice with 5-chloro-2'-deoxycytidine, Int J Radiat Oncol Biol Phys 1990; **19:** 357
Santosh C; Teasdale E; Molyneux A: spontaneous closure of an intracranial middle cerebral arteriovenous fistula, Neuroradiol 1991; **33:** 65
Santucci MA See **FitzGerald TJ**
Santucci MA; Fitzgerald TJ; Harigaya K; et al: gamma-irradiation response of cocultivated bone marrow stromal cell lines of differing intrinsic radiosensitivity, Int J Radiat Oncol Biol Phys 1990; **18:** 1083
Santyr GE; Henkelman RM; Bronskill MJ: spin locking for magnetic resonance imaging with application to human breast, Magn Res Med 1989; **12:** 25
Sanzone CF See **Blickman JG**
Sapareto SA; Corry PM: proposed standard data file format for hyperthermia treatments, Int J Radiat Oncol Biol Phys 1989; **16:** 613
Saperstein ML See **Dautenhahn LW**
Sapherson DA; Mitchell SCM: atraumatic sternal fractures secondary to osteoporosis, Clin Radiol 1990; **42:** 250
Sapir EE See **Front D**
Saponaro S See **Mitchell DG**
Saporito JJ See **Colt HG**
Sapozink MD; Corry PM; Kapp DS; et al: RTOG quality assurance guidelines for clinical trials using hyperthermia for deep-seated malignancy, Int J Radiat Oncol Biol Phys 1991; **20:** 1109
Sappey-Marinier D See **Hubesch B**
Sappey-Marinier D See **Maudsley AA**
Sappey-Marinier D: high-resolution NMR spectroscopy of cerebral white matter in multiple sclerosis, Magn Res Med 1990; **15:** 229
Sara AS See **Varma DGK**
Saraf SK; Gupta SK: juvenile Paget's disease—a case report, Australas Radiol 1989; **33:** 189
Sarajlić M; Durst-Zivković B; Svoren E; et al: congenital ureteric diverticula in children and adults: classification, radiological and clinical features, Br J Radiol 1989; **62:** 551
Sarasso G See **Bongo AS**
Saravia GE See **Fareed J**
Sarda AK; Kapur MM: thyroid carcinoma: a report of 206 cases from an area with endemic goitre, Acta Oncol 1990; **29:** 863
Sardashti M See **Dixon WT**
Sardashti M; Schwartzberg DG; Stomp GP; et al: spin-labeling angiography of the carotids by presaturation and simplified adiabatic inversion, Magn Res Med 1990; **15:** 192
Sareli P See **Marcus RH**
Sargent MA; Fleming SJ; Chattopadhyay C; et al: bone cysts and haemodialysis-related amyloidosis, Clin Radiol 1989; **40:** 277
Sargent MA; Wilson BPM: are hydrostatic and pneumatic methods of intussusception reduction comparable?, Pediatr Radiol 1991; **21:** 346
Sargent SK; Young W; Crow P; et al: CT amniography: value in detecting a monoamniotic pair in a triplet pregnancy, AJR 1991; **156:** 559
Sargentoni J See **Menon DK**
Sarin SK See **Sabbá C**
Sarkar C See **Mahapatra AK**
Sarkar R; Cilley RE; Coran AG: abdominal aneurysms in childhood: report of a case and review of the literature, (ab), JVIR 1991; **2:** 411
Sarkar R; Cilley RE; Coran AG: abdominal aneurysms in childhood: report of a case and review of the literature, (ab), Radiology 1991; **180:** 883
Sarkar S See **Fine EJ**
Sarkar SD See **Lorberboym M**
Sarkar SK; Clark RK; Rycyna RE; et al: 9.4-T NMR microimaging studies of hepatic metastases of human colorectal tumors in nude mice, Magn Res Med 1989; **12:** 268
Sarkar SK; Rycyna RE; Lenkinski RE; et al: Yb-DTPA, a novel contrast agent in magnetic resonance imaging: application to rat kidney, Magn Res Med 1991; **17:** 328
Sarno RC See **Vazquez R**
Saroja KR; Mansell J; Hendrickson FR; et al: failure of accelerated neutron therapy to control high grade astrocytomas, Int J Radiat Oncol Biol Phys 1989; **17:** 1295
Saroyan RM See **Garcia R**
Sarr MG See **Johnson CD**
Sarraj H See **Motateanu M**
Sarrazin JL See **Pasco A**
Sars PRA See **Tio TL**
Sarstadt T See **Smeele B**
Sarti D See **Dreazen E**
Sarti D See **Shellock FG**
Sartor K See **Forsting M**
Sartor K See **Mirowitz SA**
Sartoris DJ See **Borders J**
Sartoris DJ See **Chen C**
Sartoris DJ See **Goto M**
Sartoris DJ See **Gundry CR**
Sartoris DJ See **Hajek PC**
Sartoris DJ See **Haller J**
Sartoris DJ See **Ho CP**
Sartoris DJ See **Kang HS**
Sartoris DJ See **Kindynis P**
Sartoris DJ See **Mitchell MJ**
Sartoris DJ See **O'Malley M**
Sartoris DJ; Resnick D: current and innovative methods for noninvasive bone densitometry, Radiol Clin North Am 1990; **28:** 257
Sartoris DJ; Resnick D: dual-energy radiographic absorptiometry for bone densitometry: current status and perspective, AJR 1989; **152:** 241
Sartorius C See **Shapiro S**
Sarwar M See **Lis S**
Sarwar M: septum pellucidum: normal and abnormal, AJNR 1989; **10:** 989
Sasagawa M See **Mori K**
Sasagawa M See **Yokoi K**
Sasahira M; Uchimura K; Yatsushiro K; et al: early detection of cerebral infarction by ^{31}P spectroscopic imaging, Neuroradiol 1990; **32:** 43

Sasai K See **Fushiki M**
Sasai K See **Kitakabu Y**
Sasai K See **Ono K**
Sasai K; Niahimoto S-i; Shimokawa K; et al: fluorinated 2-nitroimidazole, KU-2285, as a new hypoxic cell radiosensitizer, Int J Radiat Oncol Biol Phys 1991; **20:** 1249
Sasai K; Ono K; Hiraoka M; et al: effect of arterial oxygen content on the results of radiation therapy for epidermoid bronchogenic carcinoma, Int J Radiat Oncol Biol Phys 1989; **16:** 1477
Sasai K; Ono K; Nishidai T; et al: variation in tumor response to Fluosol-DA (20%), Int J Radiat Oncol Biol Phys 1989; **16:** 1149
Sasajima T See **Mineura K**
Sasaki H See **Shijo H**
Sasaki J See **Handa K**
Sasaki M; Ehara S; Nakasato T; et al: MR of the shoulder with a 0.2-T permanent-magnet unit, AJR 1990; **154:** 777
Sasaki M; Ichiya Y; Kuwabara Y; et al: ringlike uptake of [^{18}F]FDG in brain abscess: a PET study, JCAT 1990; **14:** 486
Sasaki N See **Miyamoto S**
Sasaki Y See **Aoki S**
Sasaki Y See **Katsuragawa S**
Sasaki Y See **Tanioka H**
Sashin D See **Straub WH**
Sąsiadek M; Wasik A; Marciniak R: CT appearance of bilateral, acute thrombosis of the main cerebral arteries, Comput Med Imag Graph 1990; **14:** 89
Saskin H See **Guy GE**
Sass W; Bräunlich M; Dreyer H-P; et al: mechanisms of stone disintegration by shock waves, Ultrasound Med Biol 1991; **17:** 239
Sassoon J See **Manfredi RA**
Sassounte G See **Dousset V**
Sassy T See **Breiter N**
Sastre B See **Agostini S**
Sastre B See **Bastid C**
Sataloff RT; Myers DL; Roberts B-R; et al: giant cholesterol cysts of the petrous apex, (ab), Radiology 1989; **170:** 589
Sateriale M; Cronan JJ; Savadier LD: 5-year experience with 307 CT-guided renal biopsies: results and complications, JVIR 1991; **2:** 401
Sathapatayavongs B See **Wheat LJ**
Sathiaseelan V See **Mittal BB**
Sathiaseelan V; Leybovich L; Emami B; et al: characteristics of improved microwave interstitial antennas for local hyperthermia, Int J Radiat Oncol Biol Phys 1991; **20:** 531
Sathyanarayana See **Cox F**
Satija V See **Rao VRK**
Sato A; Takahashi S; Soma Y; Ishii K; Kikuchi Y; Watanabe T; Sakamoto K: cerebral infarction: early detection by means of contrast-enhanced cerebral arteries at MR imaging, Radiology 1991; **178:** 433
Sato M; Yamada R; Tsuji K; et al: percutaneous transluminal angioplasty in segmental obstruction of the hepatic inferior vena cava: long-term results, Cardiovasc Intervent Radiol 1990; **13:** 189
Sato N; Ishizaka H; Matsumoto M; et al: MR detectability of posterior pituitary high signal and direction of frequency encoding gradient, JCAT 1991; **15:** 355
Sato S See **Ohnishi K**
Sato T See **Fujiwara T**
Sato T See **Narumi Y**
Sato Y See **Kao SCS**
Sato Y See **Nakamura K**
Sato Y See **Nelson DR**
Sato Y See **Smith TP**
Sato Y See **Yuh WTC**
Sato Y; Kao SCS; Smith WL: radiographic manifestations of anomalies of the brain, Radiol Clin North Am 1991; **29:** 179
Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ: head injury in child abuse: evaluation with MR imaging, Radiology 1989; **173:** 653
Satoh M; Ishikawa N; Yoshizawa T; et al: *N*-isopropyl-*p*-[^{123}I]iodoamphetamine SPECT in MELAS syndrome: comparison with CT and MR imaging, JCAT 1991; **15:** 77
Satoh S See **Akiyama H**
Satoh S See **Kalugdan RG**
Satyanath S See **Fataar S**
Sauer L; Reilly LM; Goldstone J; et al: clinical spectrum of symptomatic external iliac fibromuscular dysplasia, (ab), JVIR 1991; **2:** 290
Sauer L; Reilly LM; Goldstone J; et al: clinical spectrum of symptomatic external iliac fibromuscular dysplasia, (ab), Radiology 1991; **179:** 295
Sauer M See **Bode H**
Sauer R See **Seegenschmiedt MH**
Sauer R; Dunst J; Altendorf-Hofmann A; et al: radiotherapy with and without cisplatin in bladder cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 687
Sauerbrei E See **Langlotz H**
Sauerbrei E: lung sequestration: duplex Doppler diagnosis at 19 weeks gestation, J Ultrasound Med 1991; **10:** 101
Sauerbrei EE: duplication of the aortic ring: an artifact in echocardiography, J Ultrasound Med 1989; **8:** 477
Sauerbrei W See **Madjar H**
Sauerbruch T See **Heberer G**
Sauerbruch T See **Sackmann M**
Sauerbruch T See **Schachler R**
Sauerbruch T; Holl J; Sackmann M; et al: extracorporeal shock wave lithotripsy of pancreatic stones, (ab), Radiology 1990; **175:** 882
Saukel GW See **Frood LR**
Saul SH See **Imai Y**
Saul SH See **Levine MS**
Saul SH See **Rubesin SE**
Sault MC See **Remy-Jardin M**
Saumench J; Escarrabill J; Padró L; et al: value of fiberoptic bronchoscopy and angiography for diagnosis of the bleeding site in hemoptysis, (ab), Radiology 1990; **174:** 899
Saumon-Reme M See **Dubois JB**
Saunders JA See **Ebbs SR**
Saunders JE See **Coleman AJ**
Saunders JK See **Smith ICP**
Saunders MI See **Dische S**
Saunders MI See **Rugg T**
Saunders MI; Dische S: continuous, hyperfractionated, accelerated radiotherapy (CHART) in non-small cell carcinoma of the bronchus, Int J Radiat Oncol Biol Phys 1990; **19:** 1211
Saunders MI; Dische S; Grosch EJ; et al: experience with CHART, Int J Radiat Oncol Biol Phys 1991; **21:** 871
Saunders MI; Dische S; Hong A; et al: continuous hyperfractionated accelerated radiotherapy in locally advanced carcinoma of the head and neck region, Int J Radiat Oncol Biol Phys 1989; **17:** 1287
Sause WT; Cooper JS; Rush S; et al: fraction size in external beam radiation therapy in the treatment of melanoma, Int J Radiat Oncol Biol Phys 1991; **20:** 429
Sause WT; Fuller DB; Smith WG; et al: analysis of preoperative intracavitary cesium application versus postoperative external beam radiation in stage I endometrial carcinoma, Int J Radiat Oncol Biol Phys 1990; **18:** 1011
Sauser DD; Thordarson SH; Fahr LM: imaging of the elbow, Radiol Clin North Am 1990; **28:** 923
Sauter R See **Bruhn H**
Sauter R See **Grodd W**
Sauter R; Loeffler W; Bruhn H; Frahm J: human brain: localized H-1 MR spectroscopy at 1.0 T, Radiology 1990; **176:** 221
Savader BL See **Hamper UM**
Savader BL See **Savader SJ**
Savader BL; Hamper UM; Sheth S; Ballard RL; Sanders RC: pelvic masses: aspiration biopsy with transrectal US guidance, Radiology 1990; **176:** 351
Savader S See **Ramirez G**
Savader SJ See **Venbrux AC**
Savader SJ; Benenati JF; Venbrux AC; et al: choledochal cysts: classification and cholangiographic appearance, AJR 1991; **156:** 327
Savader SJ; Murtagh FR; Savader BL; et al: magnetic resonance imaging of intracranial epidermoid tumours, Clin Radiol 1989; **40:** 282
Savader SJ; Savader BL; Clark RA: sirenomelia without Potter syndrome: MR characteristics, JCAT 1989; **13:** 689
Savader SJ; Venbrux AC; Benenati JF; Mitchell SE; Widlus DM; Cameron JL; Osterman FA Jr: choledochal cysts: role of noninvasive imaging, percutaneous transhepatic cholangiography, and percutaneous biliary drainage in diagnosis and treatment, JVIR 1991; **2:** 379
Savader SJ; Venbrux AC; Robbins KV; Gittelsohn AM; Osterman FA Jr: pancreatic response to percutaneous biliary drainage: a prospective study, Radiology 1991; **178:** 343
Savadier LD See **Sateriale M**
Savage DE; Constine LS; Schwartz RG; et al: radiation effects on left ventricular function and myocardial perfusion in long term survivors of Hodgkin's disease, Int J Radiat Oncol Biol Phys 1990; **19:** 721
Savage JRK: production of chromosome structural changes by radiation: an update of Lea (1946), Chapter VI, Br J Radiol 1989; **62:** 507
Savani RC; Merten DF; Brazy JE: air embolism with survival in a neonate, Pediatr Radiol 1990; **20:** 480
Savarese DMF See **Feuerstein IM**
Savasta S See **Bianchi E**
Savastano S; Feltrin GP; Miotto D; et al: renal aneurysm and arteriovenous fistula: management with transcatheter embolization, Acta Radiol 1990; **31:** 73
Savastano S; Feltrin GP; Miotto D; et al: vascular parenchymal sources of upper gastrointestinal bleeding, Acta Radiol 1989; **30:** 39
Saverymuttu S See **Mills P**
Saverymuttu SH See **Davies RJ**
Saverymuttu SH See **Joseph AEA**
Saverymuttu SH See **Khaw KT**
Saverymuttu SH; Corbishley CM; Maxwell JD; et al: thickened stomach—an ultrasound sign of portal hypertension, Clin Radiol 1990; **41:** 17
Saverymuttu SH; Grammatopoulos A; Meanock CI; et al: gallbladder wall thickening (congestive cholecystopathy) in chronic liver disease: a sign of portal hypertension, Br J Radiol 1990; **63:** 922
Savin M See **Strecker E-P**
Savin MA See **Barth KH**
Savin MA See **Matsumoto AH**
Savit RM; Horrow MM; Agarwal P: ossified leiomyoma of the stomach: demonstration on computed tomography, Br J Radiol 1989; **62:** 79
Savoca PE; Longo WE; Zucker KA; et al: increasing prevalence of acalculous cholecystitis in outpatients: results of a 7-year study, (ab), Radiology 1990; **177:** 595
Savoca WJ See **Curry NS**
Savoiardo M See **Visciani A**
Savoiardo M; Strada L; Girotti F; et al: MR imaging in progressive supranuclear palsy and Shy-Drager syndrome, JCAT 1989; **13:** 555
Savoiardo M; Strada L; Girotti F; Zimmerman RA; Grisoli M; Testa D; Petrillo R: olivopontocerebellar atrophy: MR diagnosis and relationship to multisystem atrophy, Radiology 1990; **174:** 693
Savolaine ER; Fadell RJ; Patel YP: isolated rhombencephalosynapsis diagnosed by magnetic resonance imaging, Clin Imag 1991; **15:** 125
Savolaine ER; Khimji T: ventriculoperitoneal shunt failure resulting from complications of the thoracic segment of the shunt catheter: case report, Clin Imag 1991; **15:** 35
Savolaine ER; Schlembach PJ: gallium scan diagnosis of sarcoidosis in the presence of equivocal radiographic and CT findings: value of lacrimal gland biopsy, Clin Nucl Med 1990; **15:** 198
Savolaine ER; Schlembach PJ: scintigraphy compared to other imaging modalities in benign superior vena caval obstruction accompanying fibrosing mediastinitis, Clin Imag 1989; **13:** 234
Savolaine ER; Schlembach PJ; Robinson MG; et al: wandering spleen presenting as a pediatric pelvic mass, Clin Nucl Med 1989; **14:** 623
Savolainen S See **Syrjälä MT**
Savory CG See **Oswald SG**
Saw CB; Suntharalingam N: quantitative assessment of interstitial implants, Int J Radiat Oncol Biol Phys 1991; **20:** 135
Saw CB; Suntharalingam N; Ayyangar KM; et al: dosimetric considerations of stereotactic brain implants, Int J Radiat Oncol Biol Phys 1989; **17:** 887
Sawada H; Akiguchi I; Fukuyama H; et al: marked canal stenosis at the level of the atlas, Neuroradiol 1989; **31:** 346
Sawada H; Udaka F; Seriu N; et al: MRI demonstration of cortical laminar necrosis and delayed white matter injury in anoxic encephalopathy, Neuroradiol 1990; **32:** 319
Sawada S See **Furui S**
Sawada S See **Irie T**
Sawada S See **Kato K**
Sawada S See **Nakamura H**
Sawada S; Tanabe Y; Fujiwara Y; et al: endotracheal expandable metallic stent placement in dogs, Acta Radiol 1991; **32:** 79
Sawchuk AP; Flanigan DP; Machi J: fate of unrepaired minor technical defects detected by intraoperative ultrasonography during carotid endarterectomy, (ab), Radiology 1989; **173:** 884
Sawchuk AP; Flanigan DP; Tober JC; et al: rapid, accurate, noninvasive technique for diagnosing critical and subcritical stenoses in aortoiliac arteries, (ab), Radiology 1991; **178:** 590
Sawczuk IS See **Kaplan SA**
Sawhney S See **Thomas S**
Sawhney S; Gupta R; Berry M; et al: hydrometrocolpos: diagnosis and follow-up by ultrasound—a case report, Australas Radiol 1990; **34:** 93
Sawhney S; Jain R; Berry M: balloon dilatation of esophageal strictures, Australas Radiol 1990; **34:** 200
Sawhney S; Jain R; Berry M: Tru-Cut biopsy of mediastinal masses guided by real-time sonography, Clin Radiol 1991; **44:** 16
Sawyer RC See **Koutcher JA**
Sawyer RW See **Hayes CW**

Sawyer RW See **Jensen ME**
Saxena VS See **Reddy S**
Saxon RR; Klein JS; Bar MH; et al: pathogenesis of pulmonary edema during interleukin-2 therapy: correlation of chest radiographic and clinical findings in 54 patients, AJR 1991; **156:** 281
Saxon RR; LaBerge JM; Ring EJ: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, JVIR 1991; **2:** 353
Saxton HM: opacification of collecting ducts at urography, Radiology 1989; **170:** 16
Saxton HM: urodynamics in the investigation of women with frequency, urgency, and incontinence, and voiding difficulties, Urol Radiol 1991; **13:** 48
Saxton HM: urodynamics: the appropriate modality for the investigation of frequency, urgency, incontinence, and voiding difficulties, Radiology 1990; **175:** 307
Saydak AP See **Huda W**
Sayegh HO See **Pezner RD**
Sayers DG See **Bohrer SP**
Sayle BA See **Fawcett HD**
Sayler CB: periodic mammographic follow-up of probably benign lesions, Radiology 1991; **181:** 904
Sayli BS See **Sener RN**
Sayman HB; Urgancioglu I: muscle perfusion with technetium-MIBI in lower extremity peripheral arterial diseases, J Nucl Med 1991; **32:** 1700
Sayre J See **Blankenberg F**
Saywell WR: submarine escape training, lung cysts and tension pneumothorax, Br J Radiol 1989; **62:** 276
Saywell WR; Crock HV; England JPS; et al: demonstration of vertebral body end plate veins by magnetic resonance imaging, Br J Radiol 1989; **62:** 290
Sbarbati A See **Osculati F**
Sbolli G; Fornari F; Civardi G; et al: role of ultrasound guided fine needle aspiration biopsy in the diagnosis of hepatocellular carcinoma, (ab), Radiology 1991; **179:** 589
Scaglione F See **Fraschini F**
Scaglione P See **De Flaviis L**
Scagnelli T See **Chandramouly BS**
Scalcini M See **Long R**
Scalea TM See **Sclafani SJA**
Scally J; Garrett A: primary extranodal lymphoma in muscle, Br J Radiol 1989; **62:** 81
Scalzetti EM See **Randall PA**
Scalzetti EM; Heitzman ER; Groskin SA; Randall PA; Katzenstein A-LA: developmental lymphatic disorders of the thorax, Radiographics 1991; **11:** 1069
Scanlan KA See **Schuster MR**
Scanlan KA: sonographic artifacts and their origins, AJR 1991; **156:** 1267
Scanlan KA; Pozniak MA; Fagerholm M; et al: value of transperineal sonography in the assessment of vaginal atresia, AJR 1990; **154:** 545
Scanlan RM See **Thurmond AS**
Scanlon M See **Glasser SA**
Scanlon PJ See **Hwang MH**
Scardino PT See **Shinohara K**
Scarffe JH See **Jackson A**
Scarpati D; Frassoni F; Vitale V; et al: total body irradiation in acute myeloid leukemia and chronic myelogenous leukemia: influence of dose and dose-rate on leukemia relapse, Int J Radiat Oncol Biol Phys 1989; **17:** 547
Scarpati D; Mancini G; Corvò R; et al: tissue air ratio in total body irradiation: an in vivo evaluation, Acta Oncol 1989; **28:** 283
Scatamacchia SA; Raptopoulos V; Fink MP; Silva WE: splenic trauma in adults: impact of CT grading on management, Radiology 1989; **171:** 725
Scatarige JC See **DiSantis DJ**
Scatarige JC; Boxen I; Smathers RL: internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer, Radiographics 1990; **10:** 857
Scatarige JC; DiSantis DJ: CT of the stomach and duodenum, Radiol Clin North Am 1989; **27:** 687
Scatarige JC; DiSantis DJ; Allen HA III; et al: CT demonstration of the appendix in asymptomatic adults, Gastrointest Radiol 1989; **14:** 271
Scatarige JC; Hamper UM; Sheth S; Allen HA III: parasternal sonography of the internal mammary vessels: technique, normal anatomy, and lymphadenopathy, Radiology 1989; **172:** 453
Scatliff JH; Kendall BE; Kingsley DPE; et al: closed spinal dysraphism: analysis of clinical, radiological, and surgical findings in 104 consecutive patients, AJNR 1989; **10:** 269
Sceusa D See **Gollub MJ**
Schaaf M See **Doppman JL**
Schaake-Koning C; Maat B; van Houtte P; et al: radiotherapy combined with low-dose cis-diammine dichloroplatinum (II) (CDDP) in inoperable nonmetastatic non-small cell lung cancer (NSCLC): a randomized three arm phase II study of the EORTC lung cancer and radiotherapy cooperative groups, Int J Radiat Oncol Biol Phys 1990; **19:** 967
Schaaps JP; Soyeur D: pulsed Doppler on a vaginal probe: necessity, convenience, or luxury?, J Ultrasound Med 1989; **8:** 315
Schabel SI See **Curry NS**
Schabel SI See **Galbraith P**
Schabel SI See **O'Connor KF**
Schachern PA See **Yoon TH**
Schachler R; Bird NC; Sauerbruch T; et al: extracorporeal shock wave lithotripsy of gall stones: an in vitro comparison between an electrohydraulic and a piezoceramic device, (ab), Radiology 1991; **180:** 884
Schachor Y; Schindler D; Siegal A; et al: increased incidence of pulmonary tuberculosis in chronic interstitial lung disease, (ab), Radiology 1989; **172:** 883
Schacht RG See **Friedman DM**
Schachter M See **Caspi B**
Schad LR See **Kauczor H-U**
Schad LR; Brix G; Zuna I; et al: multiexponential proton spin–spin relaxation in MR imaging of human brain tumors, JCAT 1989; **13:** 577
Schaefer C See **Greene R**
Schaefer CM See **Buckley KM**
Schaefer CM See **Oestmann JW**
Schaefer CM; Greene RE; Hall DA; Lindemann SR; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR: mediastinal abnormalities: detection with storage phosphor digital radiography, Radiology 1991; **178:** 169
Schaefer CM; Greene RE; Llewellyn HJ; Mrose HE; Pile-Spellman EA; Rubens JR; Lindemann SR: interstitial lung disease: impact of postprocessing in digital storage phosphor imaging, Radiology 1991; **178:** 733
Schaefer CM; Greene RE; Oestmann JW; Hall DA; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR: digital storage phosphor imaging versus conventional film radiography in CT-documented chest disease, Radiology 1990; **174:** 207
Schaefer CM; Greene RE; Oestmann JW; Kamalsky JM; Hall DA; Llewellyn HJ; Robertson CL; Rhea JT; Rosenthal H; Rubens JR; Shepard JO; Templeton PA: improved control of image optical density with low-dose digital and conventional radiography in bedside imaging, Radiology 1989; **173:** 713
Schaefer CM; Greene RE; Oliver LC; et al: screening for asbestos-related pleural disease with digital storage phosphor radiography, Invest Radiol 1990; **25:** 645
Schaefer DJ See **Barber BJ**
Schaefer DJ See **Sheliock FG**
Schaefer DM See **Flanders AE**
Schaefer M See **Bonnemain B**
Schaefer M See **Lautrou J**
Schaefer M See **Meyer D**
Schaefer PS See **Benedikt RA**
Schaefer PS See **McAdams HP**
Schaefer RA See **Rak KM**
Schaefer RM See **Becker W**
Schaefer S See **Gober JR**
Schaefer S; Lange RA; Gutekunst DP; et al: contrast-enhanced magnetic resonance imaging of hypoperfused myocardium, Invest Radiol 1991; **26:** 551
Schaefer S; Schwartz GG; Gober JR; et al: magnetic resonance spectroscopy: evaluation of ischemic heart disease, Invest Radiol 1989; **24:** 969
Schaeffer RC See **Read RC**
Schaetzing R See **Fuhrman CR**
Schaff HV See **Connor AR**
Schaffer RM See **Forer LE**
Schaffler MB See **Ho CP**
Schaffner W See **Griffin MR**
Schaible TF See **Alavi A**
Schaible TF See **Russell EJ**
Schaible TF; Berger HJ: radionuclide thrombus imaging: reply, Radiology 1990; **174:** 895
Schajowicz F; Donato de Próspero J; Cosentino E: case report 641, Skeletal Radiol 1990; **19:** 603
Schaling DF; Bleeker JC; Algra PR; et al: intracerebral uptake of Tc-99m labeled antimelanoma antibodies, Clin Nucl Med 1990; **15:** 32
Schalnus R See **Grünwald F**
Schanen G See **Dietz R**
Schanker CS See **Thickman D**
Schapiro RH See **Cotton PB**
Schapiro RL See **Goldberg AL**
Scharf J See **Deeg KH**
Scharff MD See **Zuckier LS**
Scharling ES See **Ott DJ**
Schatz CJ See **Shellock FG**
Schatz CJ See **Som PM**
Schatz RA See **Palmaz JC**
Schatz RA See **Rees CR**
Schatzki SC: John Sloan's "X-rays", AJR 1991; **156:** 554
Schauwecker DS: osteomyelitis: diagnosis with In-111–labeled leukocytes, Radiology 1989; **171:** 141
Schauwecker DS: three-phase bone scan reveals epididymo-orchitis, Clin Nucl Med 1989; **14:** 468
Schauwecker DS; Carlson KA; Miller GA; et al: comparison of indium-111 nonspecific polyclonal IgG with indium-111-leukocytes in a canine osteomyelitis model, J Nucl Med 1991; **32:** 1394
Schauwecker DS; Wass JL: focal fatty infiltration of the liver: evaluation by planar and SPECT images, Clin Nucl Med 1991; **16:** 449
Schechter AG See **Pucillo AL**
Schechter JJ See **Gentry JF**
Schechter M See **vanSonnenberg E**
Schechter S See **Mitnick JS**
Schedel HK See **Vogl TJ**
Scheffel U See **Matsumura K**
Scheibenpflug L See **Elvin A**
Scheibenpflug L See **Wilander E**
Scheidegger J See **Studer UE**
Scheinbaum K See **Bakal CW**
Scheiner JD See **Lenkinski RE**
Scheiner JD See **Levine MS**
Scheithauer B See **Jack CR Jr**
Scheithauer BW See **Nesbit GM**
Scheithauer BW See **Shaw EG**
Schelbert H See **Guze BH**
Schelbert HR See **Brunken RC**
Schelbert HR; Buxton D: insights into coronary artery disease gained from metabolic imaging, (ab), Radiology 1989; **171:** 884
Schell MC See **Flickinger JC**
Schell MC; Smith V; Larson DA; et al: evaluation of radiosurgery techniques with cumulative dose volume histograms in linac-based stereotactic external beam irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 1325
Schellhas KP See **Pollei SR**
Schellhas KP: MR imaging of muscles of mastication, AJNR 1989; **10:** 829
Schellhas KP: temporomandibular joint injuries, Radiology 1989; **173:** 211
Schellhas KP; El Deeb M; Wilkes CH; et al: three-dimensional computed tomography in maxillofacial surgical planning, (ab), Radiology 1989; **170:** 590
Schellhas KP; Piper MA; Omlie MR: facial skeleton remodeling due to temporomandibular joint degeneration: an imaging study of 100 patients, AJNR 1990; **11:** 541
Schellhas KP; Piper MA; Omlie MR: facial skeleton remodeling due to temporomandibular joint degeneration: an imaging study of 100 patients, AJR 1990; **155:** 373
Schellhas KP; Wilkes CH: temporomandibular joint inflammation: comparison of MR fast scanning with T1- and T2-weighted imaging techniques, AJNR 1989; **10:** 589
Schellhas KP; Wilkes CH; Fritts HM; et al: MR of osteochondritis dissecans and avascular necrosis of the mandibular condyle, AJNR 1989; **10:** 3
Schellinger D See **Paakko E**
Schellinger D; Manz HJ; Vidic B; Patronas NJ; Deveikis JP; Muraki AS; Abdullah DC: disk fragment migration, Radiology 1990; **175:** 831
Schellmann B See **Hilz MJ**
Schelstraete KH See **Wulfrank DA**
Scheltens P See **Barkhof F**
Schenk WG See **Mainwaring R**
Schepps B See **Dorfman GS**
Schepps B See **Scola FH**
Scher HI See **Armstrong JG**
Scher HI See **Dershaw DD**
Scher HI See **Maxon HR III**
Scher HI See **Zelefsky MJ**
Scherer LR See **Haller JA Jr**
Scherer PG See **Gillies RJ**
Scherrer A See **Maillard J-C**
Scherrer A; Reboul F; Martin D; Dupuy JC; Menu Y: CT of malignant anal canal tumors, Radiographics 1990; **10:** 433
Scherstén T See **Ahlman H**
Schertz LD See **Harmon BH**
Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG: proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Radiology 1989; **173:** 401
Schery LA See **Child SZ**
Scherz S See **Studer UE**
Scherzinger AL; Belgam RA; Carson PL; et al: assessment of ultrasonic computed tomography in symptomatic breast patients by discriminant analysis, Ultrasound Med Biol 1989; **15:** 21

Schiager KJ See **Leavitt DD**
Schicha H See **Linden A**
Schick RM See **Buff BL Jr**
Schick RM See **Lacomis D**
Schick RM: normal age-related changes in bone marrow in the axial skeleton at MR imaging, Radiology 1991; **179:** 877
Schick RM; Jolesz F; Barnes PD; et al: MR diagnosis of dural venous sinus thrombosis complicating L-asparaginase therapy, Comput Med Imag Graph 1989; **13:** 319
Schick RM; Rumbaugh CL: saccular aneurysm of the azygos anterior cerebral artery, AJNR 1989; **10:** S73
Schidlow DV See **Faerber EN**
Schiebler M See **Aurigemma G**
Schiebler ML See **Gefter WB**
Schiebler ML See **Grenier N**
Schiebler ML See **Paushter DM**
Schiebler ML See **Warshauer DM**
Schiebler ML See **Werthmuller WC**
Schiebler ML; Grenier N; Fallon M; et al: normal and degenerated intervertebral disk: in vivo and in vitro MR imaging with histopathologic correlation, AJR 1991; **157:** 93
Schiebler ML; McSherry S; Keefe B; et al: comparison of the digital rectal examination, endorectal ultrasound, and body coil magnetic resonance imaging in the staging of adenocarcinoma of the prostate, Urol Radiol 1991; **13:** 110
Schiebler ML; Tomaszewski JE; Bezzi M; Pollack HM; Kressel HY; Cohen EK; Altman HG; Gefter WB; Wein AJ; Axel L: prostatic carcinoma and benign prostatic hyperplasia: correlation of high-resolution MR and histopathologic findings, Radiology 1989; **172:** 131
Schiff MJ See **Palmer LB**
Schiff RG See **Drossman SR**
Schiff RG; Silver L: tropical pyomyositis: demonstration of extent and distribution of disease by gallium scintigraphy, Clin Nucl Med 1990; **15:** 542
Schifter S; Madsen JL: expectoration in the gastrointestinal tract: a diagnostic problem in In-111 granulocyte scintigraphy, Clin Nucl Med 1990; **15:** 603
Schifter T See **Eisenberg AD**
Schild HH; Strunk H; Weber W; et al: pulmonary contusion: CT vs plain radiograms, JCAT 1989; **13:** 417
Schild SE; Buskirk SJ; Frick LM; et al: radiotherapy for large symptomatic hemangiomas, Int J Radiat Oncol Biol Phys 1991; **21:** 729
Schild SE; Buskirk SJ; Robinow JS: prostate cancer: retrograde urethrography to improve treatment planning for radiation therapy, Radiology 1991; **181:** 885
Schild SE; Martenson JA Jr; Gunderson LL; et al: long-term survival and patterns of failure after postoperative radiation therapy for subtotally resected rectal adenocarcinoma, Int J Radiat Oncol Biol Phys 1989; **16:** 459
Schild SE; Martenson JA Jr; Gunderson LL; et al: postoperative adjuvant therapy of rectal cancer: an analysis of disease control, survival, and prognostic factors, Int J Radiat Oncol Biol Phys 1989; **17:** 55
Schiller NB See **Diethelm L**
Schiller NB See **Kircher BJ**
Schiller VL See **Robinson JD**
Schiller VL See **Tessler FN**
Schilling JF See **Zegel HG**
Schils JP See **Gundry CR**
Schils JP See **Haller J**
Schils JP; Resnick D; Haghighi P; et al: sternocostal joints: anatomic, radiographic and pathologic features in adult cadavers, Invest Radiol 1989; **24:** 596
Schimek F See **Vogl G**
Schindler D See **Schachor Y**
Schindler E See **Trattnig S**
Schindler R See **Landwehr P**
Schinella R See **Naidich DP**
Schinella R See **Rafii M**
Schinella RA See **Balthazar EJ**
Schinella RA See **Finfer MD**
Schinella RA See **Lee MM**
Schinfeld JS See **Breckenridge JW**
Schiødt T See **Johansen H**
Schipper J See **Kardaun JWPF**
Schipper J See **Van Bel F**
Schipper J See **Vogel HJP**
Schipper J; van Oostayen JA; den Hollander JC; et al: aortic tumours: report of a case and review of the literature, Br J Radiol 1989; **62:** 35
Schipper NW See **van der Harten HJ**
Schipperheyn JJ See **Ten Kate CI**
Schlaerth JB See **Montz FJ**
Schlaerth JB See **Zweizig S**
Schlag P See **Semmler W**
Schlag P See **Strauss LG**
Schlam BW See **Coleman CC**
Schlam BW See **Epstein DH**
Schlam BW See **Kim D**
Schlaps D See **Hirning T**
Schlegel EA See **Cramer BM**
Schlegel W See **Šalk O**
Schleich T See **Michael D**
Schlembach PJ See **Savolaine ER**
Schlenska GK; Walter GF: serial computed tomography findings in Creutzfeldt-Jakob disease, Neuroradiol 1989; **31:** 303
Schlenzka D See **Tallroth K**
Schlesinger AE See **Lawrence JJ**
Schlesinger AE; Deeney VFX; Caskey PF: sonography of the nonossified tarsal navicular cartilage in an infant with congenital vertical talus, Pediatr Radiol 1989; **20:** 134
Schlesinger AE; Hernandez RJ: congenital heart disease: applications of computed tomography and magnetic resonance imaging, Semin US CT MR 1991; **12:** 11
Schlesinger AE; Hernandez RJ: intracapsular osteoid osteoma of the proximal femur: findings on plain film and CT, AJR 1990; **154:** 1241
Schlesinger AE; Hernandez RJ; Zerin JM; et al: interobserver and intraobserver variations in sonographic renal length measurements in children, AJR 1991; **156:** 1029
Schlesinger AE; Smith MB; Genez BM; et al: chest wall mesenchymoma (hamartoma) in infancy: CT and MR findings, Pediatr Radiol 1989; **19:** 212
Schlessel JS; Sunskind H; Joel DD; et al: effect of PEEP on regional ventilation and perfusion in the mechanically ventilated preterm lamb, J Nucl Med 1989; **30:** 1342
Schlick W See **Koppensteiner R**
Schlief R; Deichert U: hysterosalpingo-contrast sonography of the uterus and fallopian tubes: results of a clinical trial of a new contrast medium in 120 patients, Radiology 1991; **178:** 213
Schlienger M; Krzisch C; Pene F; et al: epidermoid carcinoma of the anal canal treatment results and prognostic variables in a series of 242 cases, Int J Radiat Oncol Biol Phys 1989; **17:** 1141
Schlindwein FS See **Evans DH**
Schlindwein FS; Evans DH: real-time autoregressive spectrum analyzer for Doppler ultrasound signals, Ultrasound Med Biol 1989; **15:** 263
Schlindwein FS; Evans DH: selection of the order of autoregressive models for spectral analysis of Doppler ultrasound signals, Ultrasound Med Biol 1990; **16:** 81
Schlitt M See **Harp DL**
Schlitt M; Dempsey PJ; Robinson RK: cervical butterfly-block vertebra: a case report, Clin Imag 1989; **13:** 167
Schlom J See **Roselli M**
Schlom J See **Shrivastav S**
Schloss MH; Freidberg SR; Heatley GJ; et al: glucocorticoid dependency as a prognostic factor in radiotherapy for cerebral gliomas, Acta Oncol 1989; **28:** 51
Schlossberg S See **Goldstein M**
Schlossman D See **Geijer M**
Schlossman D See **Kheddache S**
Schlossman D See **Månsson LG**
Schluchter MD See **Wegryn SA**
Schluesener HJ See **Zamaroczy D**
Schmahmann S See **Garniek A**
Schmalbrock P See **Brogan M**
Schmalbrock P See **Chakeres DW**
Schmalbrock P See **Sevick RJ**
Schmalbrock P; Yuan C; Chakeres DW; Kohli J; Pelc NJ: volume MR angiography: methods to achieve very short echo times, Radiology 1990; **175:** 861
Schmelter RF See **Abdel-Nabi HH**
Schmerling RH; Stern SH; Gravallese EM; et al: tophaceous deposition in the finger pads without gouty arthritis, (ab), Radiology 1989; **170:** 903
Schmid A See **Kops ER**
Schmid U See **Matzku S**
Schmidgall JR See **Hedgpeth PL**
Schmidlin P See **Strauss LG**
Schmidt D See **Höglund M**
Schmidt G See **Wedmann B**
Schmidt H; Mannkopf H; Ullrich K; et al: osteomesopycnosis. a new case, Pediatr Radiol 1989; **19:** 489
Schmidt H; Mundlos S; Spranger JW: sibs with a disorder resembling Blount disease (tibia vara), Pediatr Radiol 1991; **21:** 316
Schmidt KG; Rasmussen JW; Frederiksen PB; et al: indium-111-granulocyte scintigraphy in brain abscess diagnosis: limitations and pitfalls, J Nucl Med 1990; **31:** 1121
Schmidt KG; Silverman NH; Harrison MR; et al: high-output cardiac failure in fetuses with large sacrococcygeal teratoma: diagnosis by echocardiography and Doppler ultrasound, (ab), Radiology 1990; **176:** 591
Schmidt ME; Preston A; Bellah RD: "pseudo-ring-sling" complex in unilateral pulmonary agenesis: case report, Clin Imag 1991; **15:** 59
Schmidt R See **Dowlatshahi K**
Schmidt RA See **Vyborny CJ**
Schmidt RA; Doi K; Sekiya M; et al: evaluation of radiographs developed by a new ultrarapid film processing system, AJR 1990; **154:** 1107
Schmidt RA; Glenny RW; Godwin JD; et al: panlobular emphysema in young intravenous ritalin abusers, (ab), Radiology 1991; **181:** 292
Schmidt RM See **Rabe H**
Schmidt SA; Kjaersgaard-Andersen P; Pedersen NW; et al: use of the indomethacin to prevent the formation of heterotopic bone after total hip replacement, (ab), Radiology 1989; **170:** 588
Schmidt WE; Creutzfeldt W: pancreastatin—a novel regulatory peptide?, Acta Oncol 1991; **30:** 441
Schmidt WFO See **Hawliczek R**
Schmidt WP See **Bunker SR**
Schmidt-Ullrich R See **Homer MJ**
Schmidt-Ullrich R See **Mikkelsen RB**
Schmidt-Ullrich R; Wazer DE; Tercilla O; et al: tumor margin assessment as a guide to optimal conservation surgery and irradiation in early stage breast carcinoma, Int J Radiat Oncol Biol Phys 1989; **17:** 733
Schmidt-Ullrich R; Zwicker RD; Wu A; et al: interstitial IR-192 implants of the oral cavity: the planning and construction of volume implants, Int J Radiat Oncol Biol Phys 1991; **20:** 1079
Schmidt-Ullrich RK; Johnson CR; Wazer DE; et al: accelerated superfractionated irradiation for advanced carcinoma of the head and neck: concomitant boost technique, Int J Radiat Oncol Biol Phys 1991; **21:** 563
Schmiedeberg P See **Smith TR**
Schmiedek P See **Seiderer M**
Schmiedl U See **Hess CF**
Schmiedl U See **Koelbel G**
Schmiedl U See **Nelson JA**
Schmiedl U See **Sievers RE**
Schmiedl U; Kölbel G; Hess CF; et al: dynamic sequential MR imaging of focal liver lesions: initial experience in 22 patients at 1.5 T, JCAT 1990; **14:** 600
Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME: acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Radiology 1989; **170:** 351
Schmiedl UP; Maravilla KR; Gerlach R; et al: excretion of gadopentetate dimeglumine in human breast milk, AJR 1990; **154:** 1305
Schmiedl UP; Maravilla KR; Nelson JA: improved method for in vivo magnetic resonance contrast media research, Invest Radiol 1991; **26:** 65
Schmit P See **Pariente D**
Schmitt C See **Hoeffel JC**
Schmitt DD See **Bandyk DF**
Schmitt DD See **Seabrook GR**
Schmitt R See **Feyerabend T**
Schmitteckert H See **Görich J**
Schmitz-Dräger B See **Kahn T**
Schmitz-Feuerhake I See **Fischer HW**
Schmitz-Rode T; Günther RW: functional properties of the Kensey arterial recanalization catheter: in vitro investigations, Invest Radiol 1990; **25:** 631
Schmitz-Rode T; Günther RW: new device for percutaneous fragmentation of pulmonary emboli, Radiology 1991; **180:** 135
Schmitz-Rode T; Günther RW: percutaneous mechanical thrombolysis: a comparative study of various rotational catheter systems, Invest Radiol 1991; **26:** 557
Schmitz-Rode T; Günther RW; Müller-Leisse C: US-assisted aspiration thrombectomy: in vitro investigations, Radiology 1991; **178:** 677
Schmitz-Rode T; Müller-Leisse C; Alzen G: comparative examination of various rectal tubes and contrast media for the reduction of intussusceptions, Pediatr Radiol 1991; **21:** 341
Schnall M See **Chan TW**
Schnall MD See **Imai Y**
Schnall MD See **Milestone BN**
Schnall MD See **Yousem DM**
Schnall MD See **Zlatkin MB**
Schnall MD; Imai Y; Tomaszewski J; Pollack HM; Lenkinski RE; Kressel HY: prostate cancer: local staging with endorectal surface coil MR imaging, Radiology 1991; **178:** 797
Schnall MD; Lenkinski RE; Pollack HM; Imai Y; Kressel HY: prostate: MR imaging with an endorectal surface coil, Radiology 1989; **172:** 570
Schnall MD; Pollack HM: magnetic resonance imaging of the prostate gland, Urol Radiol 1990; **12:** 109
Schneck CD See **Mesgarzadeh M**
Schneeberger AL; Girvan DP: staging laparotomy for Hodgkin's disease in children, (ab), Radiology 1989; **171:** 295

Schneidau TA See **Gibson RE**
Schneider B See **Mostbeck GH**
Schneider B See **Strecker E-P**
Schneider DF; Bukovsky I; Weinraub Z; et al: transvaginal ultrasound diagnosis and treatment follow-up of invasive gestational trophoblastic disease, JCU 1990; **18:** 110
Schneider E See **Glover GH**
Schneider E See **Tamler B**
Schneider EA; Glover G: rapid *in* vivo shimming, Magn Res Med 1991; **18:** 335
Schneider FL See **Kraemer JL**
Schneider HJ See **Maxon HR III**
Schneider HT See **Ell C**
Schneider IHF; Hebel RM; Kreitz G; et al: polyplanar endorectal ultrasound, (ab), Radiology 1990; **177:** 890
Schneider JA: invasive papillary breast carcinoma: mammographic and sonographic appearance, Radiology 1989; **171:** 377
Schneider K; Hartl M; Fendel H: umbilical and portal vein calcification following umbilical vein catheterization, Pediatr Radiol 1989; **19:** 468
Schneider K; Helmig F-J; Eife R; et al: pyonephrosis in childhood—is ultrasound sufficient for diagnosis?, Pediatr Radiol 1989; **19:** 302
Schneider M See **Glashow JL**
Schneider PA See **Otis SM**
Schneider P-A; Geissbühler P; Piguet J-C; et al: follow-up after partial interruption of the vena cava with the Günther filter, Cardiovasc Intervent Radiol 1990; **13:** 378
Schneider P-A; Parmeggiani L; Piguet J-C; Bounameaux H: caudal migration of the Günther vena caval filter, Radiology 1989; **173:** 465
Schneider PA; Rossman ME; Bernstein EF; et al: noninvasive evaluation of vertebrobasilar insufficiency, J Ultrasound Med 1991; **10:** 373
Schneider R See **Potter HG**
Schneider S See **Moshage W**
Schneider S; Hoenig E; Reichenberger H; Abraham-Fuchs K; Moshage W; Oppelt A; Stefan H; Weikl A; Wirth A: multichannel biomagnetic system for study of electrical activity in the brain and heart, Radiology 1990; **176:** 825
Schneider VS See **LeBlanc AD**
Schneiderman J See **Hirshberg A**
Schneiderman JF See **Chen JC**
Schnitt SJ See **Healey EA**
Schnitt SJ See **Leopold KA**
Schnitt SJ See **Owings DV**
Schnitt SJ See **Recht A**
Schnitt SJ; Wang HH: histologic sampling of grossly benign breast biopsies: how much is enough?, (ab), Radiology 1990; **174:** 291
Schnur G; Kimmich R; Lietzenmayer R: hydrogen/fluorine retuning tomography. applications to ^{1}H image-guided volume-selective ^{19}F spectroscopy and relaxometry of perfluorocarbon emulsions in tissue, Magn Res Med 1990; **13:** 478
Schnyder P See **Duvoisin B**
Schnyder P See **Ginalski J-M**
Schob A See **Rothbart R**
Schoenberger SG See **Varma DGK**
Schoenberger SG; Bamber JC; Rank W; et al: new coaxial needle for pre-operative localization of breast abnormalities, Br J Radiol 1991; **64:** 699
Schoenborn RR See **Nagel TL**
Schoene WC See **O'Reilly GV**
Schoeneman M See **Goldfarb CR**
Schoeneman MJ; Goldfarb CR; Ongseng F; Finestone H: vesicoureteral reflux in boys, Radiology 1990; **176:** 288
Schoener WF See **Hoenig JF**
Schoenfeld A; Levavi H; Hirsch M; et al: transvaginal sonography in postmenopausal women, JCU 1990; **18:** 350
Schoenfeld A; Pardo J; Engelstein D; et al: bladder perforation by an intrauterine device, JCU 1991; **19:** 175
Schoenfeld AH See **Lautin EM**
Schoenfield LJ; Berci G; Carnovale RL; et al: effect of ursodiol on the efficacy and safety of extracorporeal shock-wave lithotripsy of gallstones: the Dornier National Biliary Lithotripsy Study, (ab), JVIR 1991; **2:** 298
Schoeppel SL; Fraass BA; Hopkins MP; et al: CT-compatible version of the Fletcher system intracavitary applicator: clinical application and 3-dimensional treatment planning, Int J Radiat Oncol Biol Phys 1989; **17:** 1103
Schoetensack B See **Nowrousian MR**
Scholten FG See **Spijkerboer AM**
Scholten FG; Mali WPTM; Hillen B; van Leeuwen MS: US location of the adductor canal hiatus: morphologic study, Radiology 1989; **172:** 75
Scholtmeijer RJ See **Nijman RJM**
Scholz FJ See **Gagner M**
Scholz FJ See **Krause R**
Scholz FJ: manual compression device for fluoroscopy, Radiology 1989; **170:** 564
Scholz P See **Wang J-Z**
Scholz TD See **Grover-McKay M**
Scholz TD See **Stuhlmuller JE**
Scholz TD; Fleagle SR; Skorton DJ: *in vitro* NMR characterization of mammalian myocardium: effect of specimen integrity on relaxation times, Magn Res Med 1989; **11:** 367
Scholz TD; Vandenberg BF; Fleagle SR; et al: tissue characterization of chronic myocardial infarction, Invest Radiol 1990; **25:** 1120
Schomberg PJ See **Foote RL**
Schomberg PJ See **Frassica DA**
Schomberg PJ See **Smalley SR**
Schonholz L See **Mitchell DG**
Schoofs ELG See **Van Schil PEY**
Schörner W See **Hosten N**
Schörner W See **Schubeus P**
Schörner W; Laniado M; Kornmesser W; et al: comparison of multi echo and contrast-enhanced MR scans: image contrast and delineation of intracranial tumors, Neuroradiol 1989; **31:** 140
Schörner W; Sander B; Henkes H; et al: multiple slice FLASH imaging: an improved pulse sequence for contrast enhanced MR brain studies, Neuroradiol 1990; **32:** 474
Schörner W; Schubeus P; Henkes H; et al: intracranial meningiomas: comparison of plain and contrast-enhanced examinations in CT and MRI, Neuroradiol 1990; **32:** 12
Schörner W; Schubeus P; Henkes H; et al: "meningeal sign": a characteristic finding of meningiomas on contrast-enhanced MR images, Neuroradiol 1990; **32:** 90
Schoser K See **Mohiaddin RH**
Schouman-Claeys E See **Clement O**
Schouman-Claeys E See **Didier D**
Schouman-Claeys E See **Frija G**
Schouman-Claeys E; Frija G; Cuenod CA; et al: MR imaging of acute spinal cord injury: results of an experimental study in dogs, AJNR 1990; **11:** 959
Schouman-Claeys E; Picard A; Lalande G; et al: contribution of computed tomography in the aetiology and prognosis of cerebral palsy in children, Br J Radiol 1989; **62:** 248
Schouten H See **Goei R**
Schoutens A See **Hauzeur JP**
Schouwink MH See **Tio TL**
Schrack GF See **Gargantini I**
Schrader B; Holland BR; Friedrichsen C: rare case of a primary malignant fibrous histiocytoma of the brain, Neuroradiol 1989; **31:** 177
Schrader M See **Ross JS**
Schrank E; Phillips DJ; Moritz WE; et al: triangulation method for the quantitative measurement of arterial blood velocity magnitude and direction in humans, Ultrasound Med Biol 1990; **16:** 499
Schraube P See **Fritz P**
Schraut WH See **Lee KKW**
Schray M See **Brindle JS**
Schray M See **Martinez A**
Schray MF See **Frassica DA**
Schray MF See **Lentz SS**
Schray MF; Martinez A; Howes AE: toxicity of open-field whole abdominal irradiation as primary postoperative treatment in gynecologic malignancy, Int J Radiat Oncol Biol Phys 1989; **16:** 397
Schreiber ER See **Mewissen MW**
Schreiber MH See **Halpert RD**
Schreiber MH; Yielding KL; Winslade WJ: who owns research data?, Invest Radiol 1989; **24:** 410
Schreiber TL; Macina G; McNulty A; et al: urokinase plus heparin versus aspirin in unstable angina and non-Q-wave myocardial infarction, (ab), Radiology 1990; **175:** 885
Schreiman JS See **Ferrante SL**
Schreuder AM See **Bor MV**
Schreyer H See **Lammer J**
Schröder FH: adjuvant endocrine treatment in early prostatic cancer, Acta Oncol 1991; **30:** 255
Schröder FH: what is the optimal treatment for early prostatic cancer? summary of the discussion, Acta Oncol 1991; **30:** 247
Schrøder HD See **Lindequist S**
Schröder K See **Lüning M**
Schroder LE See **Maxon HR III**
Schroder LE See **Silberstein EB**
Schrøder U See **Fahlvik AK**
Schroder W See **Sebok DA**
Schroeder BA See **Gurney JW**
Schroeder J: catheter lysis and percutaneous transluminal angioplasty below the knee via the popliteal artery in a patient with femoral artery obstruction: technical note, Cardiovasc Intervent Radiol 1989; **12:** 344
Schroeder J; Papachrysanthou C; Huhmann W: embolization of a rubber disc from a hemostasis valve: technical note, Cardiovasc Intervent Radiol 1991; **14:** 132
Schroettle W See **Tatsch K**
Schroff RW See **Eary JF**
Schroth G See **Faiss JH**
Schroy CB See **Beach JL**
Schrumpf E See **Aspestrand F**
Schrumpf E See **Hanssen LE**
Schteingart CD See **D'Agostino HB**
Schubert CJ See **Hosten N**
Schubeus P See **Schörner W**
Schubeus P; Schörner W; Hosten N; et al: spinal cord cavities: differential-diagnostic criteria in magnetic resonance imaging, Eur J Radiol 1991; **12:** 219
Schubeus P; Schörner W; Rottacker C; et al: intracranial meningiomas: how frequent are indicative findings in CT and MRI?, Neuroradiol 1990; **32:** 467
Schubiger O See **Wichmann W**
Schuchmann GG See **Unger JM**
Schuchter LM See **Fishman EK**
Schuhmacher J; Klivényi G; Matys R; et al: uptake of indium-111 in the liver of mice following administration of indium-111-DTPA-labeled monoclonal antibodies: influence of labeling parameters, physiologic parameters, and antibody dose, J Nucl Med 1990; **31:** 1084
Schuhmacher JH; Conrad D; Manke HG; et al: investigations concerning the potential for using ^{1}H NMR relaxometry or high-resolution spectroscopy of plasma as a screening test for malignant lung disease, Magn Res Med 1990; **13:** 103
Schuierer G; Laub G; Huk WJ: MR angiography of the primitive trigeminal artery: report on two cases, AJNR 1990; **11:** 1131
Schuknecht B; Ratzka M; Hofmann E: "dense artery sign"—major cerebral artery thromboembolism demonstrated by computed tomography, Neuroradiol 1990; **32:** 98
Schulman H See **Guzman ER**
Schulman LL See **Austin JHM**
Schulte SJ See **Teefey SA**
Schulte SJ; Baron RL: piezoelectric biliary lithotripsy: an in vitro study of factors affecting gallstone fragmentation, AJR 1990; **155:** 1211
Schulte SJ; Baron RL; Freeny PC; Patten RM; Gorell HA; Maclin ML: root of the superior mesenteric artery in pancreatitis and pancreatic carcinoma: evaluation with CT, Radiology 1991; **180:** 659
Schulte SJ; Baron RL; Teefey SA; et al: CT of the extrahepatic bile ducts: wall thickness and contrast enhancement in normal and abnormal ducts, AJR 1990; **154:** 79
Schulte T; Buhr W; Brassel F; et al: mucocele of paranasal sinuses in a young infant with cystic fibrosis, Pediatr Radiol 1990; **20:** 600
Schultheiss TE See **Cohen L**
Schultheiss TE; Cohen L; Mansell J: normal tissue reactions and complications following high-energy neutron beam therapy II: complication rates adjusted for censoring, Int J Radiat Oncol Biol Phys 1990; **18:** 165
Schultheiss TE; Stephens LC; Jiang G-L; et al: radiation myelopathy in primates treated with conventional fractionation, Int J Radiat Oncol Biol Phys 1990; **19:** 935
Schultz CJ; Geard CR: radioresponse of human astrocytic tumors across grade as a function of acute and chronic irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 1397
Schultz DJ See **Fowble BL**
Schultz DJ See **Solin LJ**
Schultz E: case report 624, Skeletal Radiol 1990; **19:** 391
Schultz E; Rakoff S; Jacobson HG: chest and the skeleton: radiological correlations, Semin Roentgenol 1989; **24:** 259
Schultz K See **Yedlicka JW**
Schultz RD See **Sterpetti AV**
Schultz SR See **Bree RL**
Schulz RJ See **Meli JA**
Schulze K: autosomal dominant polycystic kidney disease: more than a renal disease, Radiology 1991; **180:** 100
Schulze K: clinicopathologic features of nephroblastomatosis, Radiology 1989; **173:** 658
Schulze K: musculoskeletal syndromes associated with acne, Radiology 1991; **181:** 52
Schulze K: *Pneumocystis carinii* pneumonia in human immunodeficiency virus-infected patients, Radiology 1990; **176:** 184
Schulzer M See **Lessoway VA**
Schumacher KA See **Wallner BK**
Schumacher M; Horton JA: treatment of cerebral arteriovenous malformations with PVA: results and analysis of complications, (ab), JVIR 1991; **2:** 422
Schumacher M; Horton JA: treatment of cerebral arteriovenous malformations with PVA: results and analysis of complications, Neuroradiol 1991; **33:** 101

Schumacher M; Kutluk K; Ott D: digital rotational radiography in neuroradiology, AJNR 1989; **10:** 644

Schumacher R See **Leicher-Düber A**

Schumacher R See **Mannhardt W**

Schunk JE; Corneli H; Bolte R: pediatric coin ingestions: a prospective study of coin location and symptoms, (ab), Radiology 1990; **175:** 591

Schupak KD; Wallner KE: role of radiation therapy in the treatment of locally unresectable or metastatic carcinoid tumors, Int J Radiat Oncol Biol Phys 1991; **20:** 489

Schurawitzki H See **Lammer J**

Schurawitzki H; Hajek PC; Kramer J; et al: radiologic search for embolized leaflets of prosthetic heart valves: a report of two cases, Cardiovasc Intervent Radiol 1989; **12:** 10

Schurawitzki H; Höbarth K; Gebauer A; et al: therapeutic transrenal occlusion of the ureter: solution of plug migration problem, Urol Radiol 1991; **12:** 181

Schurawitzki H; Stiglbauer R; Graninger W; Herold C; Pölzleitner D; Burghuber OC; Tscholakoff D: interstitial lung disease in progressive systemic sclerosis: high-resolution CT versus radiography, Radiology 1990; **176:** 755

Schurawitzki H; Stiglbauer R; Klepetko W; et al: CT and MRI in benign mediastinal haemangioma, Clin Radiol 1991; **43:** 91

Schurmans J See **Kroon HM**

Schuster CJ See **Günther RW**

Schuster J See **Kuhn MJ**

Schuster JA See **Lovelock JE**

Schuster JA; Gutierrez OH; Azodo MVU: erosion of portal vein catheter into the biliary system, Gastrointest Radiol 1990; **15:** 47

Schuster JJ; Raptopoulos V; Baker SP: increased prevalence of cholelithiasis in patients with abdominal aortic aneurysm: sonographic evaluation, AJR 1989; **152:** 509

Schuster MR; Scanlan KA: "CT angiogram" sign: establishing the differential diagnosis, Radiology 1991; **181:** 903

Schuster R See **Kuske RR**

Schuster SJ See **Siegelman ES**

Schuster V; Horwitz AE; Kreth HW: Alexander's disease: cranial MRI and ultrasound findings, Pediatr Radiol 1991; **21:** 133

Schütte HE See **Laméris JS**

Schütte HE: Europe 1992: consequences for European health care and radiology, AJR 1990; **155:** 1321

Schütte HE; van der Heul RO: pseudomalignant, nonneoplastic osseous soft-tissue tumors of the hand and foot, Radiology 1990; **176:** 149

Schuttevaer HM See **Bloem JL**

Schutz K; Siffring PA; Forrest TS; et al: serial renal sonographic changes in preeclampsia, J Ultrasound Med 1990; **9:** 415

Schutz T; González-Méndez R; Nabseth DC; et al: study of nephrotoxin-induced acute tubular necrosis with ^{31}P magnetic resonance spectroscopy, Magn Res Med 1991; **18:** 159

Schwaab KT: radiology word book, Radiology 1990; **177:** 642

Schwaab KT: Taber's cyclopedic medical dictionary. 16th ed, Radiology 1990; **174:** 786

Schwab FJ See **Karr SB**

Schwab RE See **Bree RL**

Schwaber MK; Pensak ML; Bartels LJ: early signs and symptoms of neurotologic complications of chronic suppurative otitis media, (ab), Radiology 1990; **174:** 590

Schwachöfer JHM; Crooijmans RPMA; Hoogenhout J; et al: effectiveness in inhibition of recovery of cell survival by cisplatin and carboplatin: influence of treatment sequence, Int J Radiat Oncol Biol Phys 1991; **20:** 1235

Schwachöfer JHM; Crooijmans RPMA; Hoogenhout J; et al: radiosensitivity of human melanoma spheroids influenced by growth rate, Int J Radiat Oncol Biol Phys 1990; **19:** 1191

Schwachöfer JHM; Crooijmans RPMA; van Gasteren JJM; et al: radiosensitivity of different human tumor cell lines grown as multicellular spheroids determined from growth curves and survival data, Int J Radiat Oncol Biol Phys 1989; **17:** 1015

Schwachöfer JHM; Crooijmans RPMA; van Gasteren JJM; et al: repair of sublethal damage in two human cell lines grown as multicellular spheroids, Int J Radiat Oncol Biol Phys 1989; **17:** 591

Schwachöfer JHM; Crooijmans RPMA; van Gasteren JJM; et al: sublethal damage repair and radiosensitivity of human squamous cell carcinoma cells grown with different culture techniques, Br J Radiol 1989; **62:** 1084

Schwade JG See **Houdek PV**

Schwade JG See **Serago CF**

Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ: small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Radiology 1990; **176:** 563

Schwaibold F; Fowble BL; Solin LJ; et al: results of radiation therapy for isolated local regional recurrence after mastectomy, Int J Radiat Oncol Biol Phys 1991; **21:** 299

Schwaiger M See **Brunken RC**

Schwaiger M See **Gambhir SS**

Schwaiger M See **Rosenspire KC**

Schwaiger M See **Stewart RE**

Schwaiger M; Guibourg H; Rosenspire K; et al: effect of regional myocardial ischemia on sympathetic nervous system as assessed by fluorine-18-metaraminol, J Nucl Med 1990; **31:** 1352

Schwaiger M; Hicks R: clinical role of metabolic imaging of the heart by positron emission tomography, J Nucl Med 1991; **32:** 565

Schwaighofer B See **Gundry CR**

Schwaighofer B See **Kursunoglu-Brahme S**

Schwaighofer B See **Trattnig S**

Schwaighofer BW See **Klein MV**

Schwaighofer BW; Fruehwald FXJ; Pohl-Marki H; et al: MRI evaluation of pigmented skin tumors: preliminary study, Invest Radiol 1989; **24:** 289

Schwaighofer BW; Hesselink JR; Healy ME: MR demonstration of reversible brain abnormalities in eclampsia, JCAT 1989; **13:** 310

Schwaighofer BW; Hesselink JR; Press GA; et al: primary intracranial CNS lymphoma: MR manifestations, AJNR 1989; **10:** 725

Schwaighofer BW; Kainberger F; Fruehwald FXJ; et al: duplex sonography of normal renal allografts, Acta Radiol 1989; **30:** 53

Schwaighofer BW; Klein MV; Lyden PD; et al: MR imaging of vertebrobasilar vascular disease, JCAT 1990; **14:** 895

Schwaighofer BW; Klein MV; Wesbey G; et al: clinical experience with routine Gd-DTPA administration for MR imaging of the brain, JCAT 1990; **14:** 11

Schwaighofer BW; Sobel DF; Klein MV; et al: mucocele of the anterior clinoid process: CT and MR findings, JCAT 1989; **13:** 501

Schwaighofer BW; Tanaka TT; Klein MV; et al: MR imaging of the temporomandibular joint: a cadaver study of the value of coronal images, AJR 1990; **154:** 1245

Schwaighofer BW; Yu KK; Mattrey RF: diagnostic significance of interslice gap and imaging volume in body MR imaging, AJR 1989; **153:** 629

Schwalb H See **Kushnir T**

Schwankhaus JD; Patronas N; Dorwart R; et al: computed tomography and magnetic resonance imaging in adult-onset leukodystrophy, (ab), Radiology 1989; **171:** 591

Schwarcz TH; Dobrin PB; Mrkvicka R; et al: early myointimal hyperplasia after balloon catheter embolectomy: effect of shear forces and multiple withdrawals, (ab), Radiology 1989; **170:** 291

Schwarten DE See **Palmaz JC**

Schwarten DE See **Rees CR**

Schwarten DE See **Spies JB**

Schwarten DE: arterial occlusive disease below the knee: reply, Radiology 1989; **171:** 283

Schwartz A See **Rockoff SD**

Schwartz A See **Solomon D**

Schwartz A See **Steinke W**

Schwartz AN See **Bronstein AD**

Schwartz AN See **Ricciardelli E**

Schwartz AN; Graham MM: combined technetium radioisotope penile plethysmography and xenon washout: a technique for evaluating corpora cavernosal inflow and outflow during early tumescence, J Nucl Med 1991; **32:** 404

Schwartz AN; Graham MM; Ferency GF; et al: radioisotope penile plethysmography: a technique for evaluating corpora cavernosal blood flow during early tumescence, J Nucl Med 1989; **30:** 466

Schwartz AN; Lowe M; Berger RE; Wang KY; Mack LA; Richardson ML: assessment of normal and abnormal erectile function: color Doppler flow sonography versus conventional techniques, Radiology 1991; **180:** 105

Schwartz AN; Wang KY; Mack LA; et al: evaluation of normal erectile function with color flow Doppler sonography, AJR 1989; **153:** 1155

Schwartz EE; Wechsler RJ: diaphragmatic and paradiaphragmatic tumors and pseudotumors, J Thorac Imag 1989; **4-1:** 19

Schwartz GF; Patchefsky AS; Finklestein SD; et al: nonpalpable in situ ductal carcinoma of the breast: predictors of multicentricity and microinvasion and implications for treatment, (ab), Radiology 1989; **172:** 586

Schwartz GG See **Gober JR**

Schwartz GG See **Schaefer S**

Schwartz GJ; Brion LP; Corey HE; et al: case report 668, Skeletal Radiol 1991; **20:** 447

Schwartz HG See **Grigsby PW**

Schwartz IS See **Hermann G**

Schwartz JG See **Phillips WT**

Schwartz JR See **Cutillo DP**

Schwartz JS See **Boudreau RJ**

Schwartz JS See **Eisenberg JM**

Schwartz JS See **Zlatkin MB**

Schwartz L See **Heier LA**

Schwartz LH See **Lossef SV**

Schwartz LH; Okunieff PG; Rosenberg A; et al: radiation therapy in the treatment of difficult giant cell tumors, Int J Radiat Oncol Biol Phys 1989; **17:** 1085

Schwartz ME See **Harrington ME**

Schwartz ML See **Hamrick KM**

Schwartz PE See **Kier R**

Schwartz RA See **Igidbashian VN**

Schwartz RB See **Carvalho PA**

Schwartz RG See **Picard MH**

Schwartz RG See **Savage DE**

Schwartz RS; Murphy JG; Edwards WD; et al: restenosis after balloon angioplasty: a practical proliferative model in porcine coronary arteries, (ab), JVIR 1991; **2:** 292

Schwartz SM See **Pagana TJ**

Schwartzberg DG See **Sardashti M**

Schwarz C See **Holder LE**

Schwarz M See **Just M**

Schwegel D See **Eftekhari F**

Schweiger GD See **Wetzel LH**

Schweiger H See **Lang W**

Schweighardt SA See **Abdel-Nabi HH**

Schweighardt SA See **Lamki LM**

Schweitzer ME See **Cervilla V**

Schweitzer ME; Cervilla V; Manaster BJ; et al: cervical paraspinal calcification in collagen vascular diseases, AJR 1991; **157:** 523

Schweitzer ME; Cervilla V; Resnick D: acute cervical trauma: correlation of MR imaging findings with neurologic deficit, Radiology 1991; **179:** 287

Schweitzer ME; Irwin GAL: case report 561, Skeletal Radiol 1989; **18:** 411

Schwendener RA; Wüthrich R; Duewell S; et al: pharmacokinetic and MRI study of unilamellar gadolinium-, manganese-, and iron-DTPA-stearate liposomes as organ-specific contrast agents, Invest Radiol 1990; **25:** 922

Schwendner SW See **Counsell RE**

Schwentker EP See **Boal DKB**

Schwentker FN See **Kanel KT**

Schwer C See **Vogl G**

Schwerk WB See **Goerg C**

Schyns-Mosen J See **Focan C**

Sciacca V See **di Marzo L**

Scialdone C See **Yao L**

Scialdone CJ; Wagle W: intraspinal air: an unusual manifestation of blunt chest trauma, Clin Imag 1990; **14:** 59

Sciarrino E; Virdone R; Iacono OL; et al: ultrasound changes in abdominal echinococcosis treated with albendazole, JCU 1991; **19:** 143

Scidmore GK See **Artenian DJ**

Sciot C See **Buy J-N**

Sciuk J See **Erlemann R**

Sciuk J See **Pötter R**

Sclafani SJA See **Herskowitz MM**

Sclafani SJA See **Roshkow JE**

Sclafani SJA; Weisberg A; Scalea TM; Phillips TF; Duncan AO: blunt splenic injuries: nonsurgical treatment with CT, arteriography, and transcatheter arterial embolization of the splenic artery, Radiology 1991; **181:** 189

Scoble J See **Stansby G**

Scola FH See **Dorfman GS**

Scola FH; Cronan JJ; Schepps B: grade I hydronephrosis: pulsed Doppler US evaluation, Radiology 1989; **171:** 519

Scola FH; Parziale JR: ultrasonographic diagnosis of heterotopic ossification mimicking deep vein thrombosis, JCU 1991; **19:** 55

Scorpio R See **Richardson P**

Scorza WE See **Fleming AD**

Scott BR; Dillehay LE: model for hematopoietic death in man from irradiation of bone marrow during radioimmunotherapy, Br J Radiol 1990; **63:** 862

Scott C See **Emami B**

Scott C See **Fazekas JT**

Scott CB See **Leibel SA**

Scott CB See **Tupchong L**

Scott CI Jr See **Mandell GA**

Scott DL See **Soden M**

Scott EM; Thomas A; McGarrigle HHG; et al: serial adrenal ultrasonography in normal neonates, J Ultrasound Med 1990; **9:** 279

Scott G See **Lawson JP**

Scott G See **McCarthy S**

Scott G See **Parker GD**

Scott GC; Berger R; McKean HE: role of atmospheric pressure variation in the development of spontaneous pneumothoraces, (ab), Radiology 1989; **172:** 883
Scott H; Palmer FJ: ioversol in ascending phlebography—a clinical trial, Australas Radiol 1990; **34:** 44
Scott IR; Gibney RG; Becker CD; et al: use of intravenous cholangiography in teaching hospitals: a survey, Gastrointest Radiol 1989; **14:** 148
Scott JA See **Kattapuram SV**
Scott JA See **Phillips WC Jr**
Scott JA; Palmer EL; Fischman AJ: HIV-associated myositis detected by radionuclide bone scanning, J Nucl Med 1989; **30:** 556
Scott JA; Rabito CA: statistical analysis: a procrustean bed for radiologists? , Radiology 1989; **171:** 877
Scott JW See **Russell CD**
Scott LD See **Lowry PA**
Scott MD See **Auringer ST**
Scott MD See **Zagoria RJ**
Scott OCA: mathematical models of repopulation and reoxygenation in radiotherapy, Br J Radiol 1990; **63:** 821
Scott PJ; Ettles DF; Rees MR; et al: use of combined transoesophageal echocardiography and fluoroscopy in the biopsy of a right atrial mass, Br J Radiol 1990; **63:** 222
Scott ST: infant hip ultrasound, Clin Radiol 1989; **40:** 551
Scott W See **MacMahon H**
Scott WW: imaging of the lumbar spine, Radiology 1991; **179:** 34
Scott WW Jr See **Cova M**
Scott WW Jr See **Kallman DA**
Scott WW Jr See **Ricci C**
Scott WW Jr See **Yousem DM**
Scott WW Jr: radiology of renal failure, Radiology 1990; **177:** 480
Scott WW Jr; Fishman EK: extramedullary hematopoiesis mimicking the appearance of carcinomatosis or peritoneal mesothelioma: computed tomography demonstration, Gastrointest Radiol 1990; **15:** 82
Scott WW Jr; Fishman EK; Kuhlman JE; et al: computed tomography evaluation of the sacroiliac joints in Crohn disease: radiologic/clinical correlation, Skeletal Radiol 1990; **19:** 207
Scott WW Jr; Kuhlman JE: focal pulmonary lesions in patients with AIDS: percutaneous transthoracic needle biopsy, Radiology 1991; **180:** 419
Scott-Douglas NW See **Robinson VJB**
Scotti DM: simplified T-tube replacement with two-piece retrievable catheters, JVIR 1991; **2:** 393
Scotti G See **Harwood-Nash DC**
Scoutt LM See **Ascher SM**
Scoutt LM See **Kier R**
Scoutt LM See **Zawin M**
Scoutt LM; Flynn SD; Luthringer DJ; McCauley TR; McCarthy SM: junctional zone of the uterus: correlation of MR imaging and histologic examination of hysterectomy specimens, Radiology 1991; **179:** 403
Scoutt LM; Zawin ML; Taylor KJW: Doppler US: part II. clinical applications, Radiology 1990; **174:** 309
Scribano E See **Pandolfo I**
Scrimger JW See **Huda W**
Scrimger JW See **Robinson DM**
Scudamore CH See **Lee SH**
Scudamore CH See **So CB**
Scully RE See **Young RH**
Scutellari PN See **Orzincolo C**
Scutellari PN; Orzincolo C; Franceschini F; et al: radiographic appearances following adequate transfusion in β-thalassaemia, Skeletal Radiol 1989; **17:** 545
Seab JP See **Jagust WJ**
Seabold JE See **Justin EP**
Seabold JE See **Yang CJC**
Seabold JE; Flickinger FW; Kao SCS; et al: indium-111-leukocyte/technetium-99m-MDP bone and magnetic resonance imaging: difficulty of diagnosing osteomyelitis in patients with neuropathic osteoarthropathy, J Nucl Med 1990; **31:** 549
Seabold JE; Nepola JV; Conrad GR; et al: detection of osteomyelitis at fracture nonunion sites: comparison of two scintigraphic methods, AJR 1989; **152:** 1021
Seabold JE; Nepola JV; Marsh JL; Hawes DR; Justin EP; Ponto JA; Pettit WA; El-Khoury GY; Kirchner PT: postoperative bone marrow alterations: potential pitfalls in the diagnosis of osteomyelitis with In-111–labeled leukocyte scintigraphy, Radiology 1991; **180:** 741
Seabrook GR; Mewissen MW; Schmitt DD; et al: percutaneous intraarterial thrombolysis in the treatment of thrombosis of lower extremity arterial reconstructions, (ab), JVIR 1991; **2:** 414
Seaby AW See **Clark J**
Sealy R See **Hering ER**
Sease D See **Merhige M**
Sebag G See **Boothroyd AE**
Sebag G; Dubois J; Pfister P; et al: neurocutaneous melanosis and temporal lobe tumor in a child: MR study, AJNR 1991; **12:** 699
Sebag GH See **Dubois JM**
Sebag GH; Moore SG: effect of trabecular bone on the appearance of marrow in gradient-echo imaging of the appendicular skeleton, Radiology 1990; **174:** 855
Sebastian JL See **Patel N**
Sebes JI See **Pinstein ML**
Sebes JI: diagnostic imaging of bone and joint abnormalities associated with sickle cell hemoglobinopathies, AJR 1989; **152:** 1153
Sebok DA See **Wang J-Z**
Sebok DA; Wilkerson D; Schroder W; et al: interleaved magnetic resonance and ultrasound by electronic synchronization, Invest Radiol 1991; **26:** 353
Secaf E See **Carrington BM**
Secaf E See **Hricak H**
Secaf E; Nuruddin RN; Hricak H; et al: MR imaging of the seminal vesicles, AJR 1991; **156:** 989
Secher D See **Einhorn N**
Sechtin AG See **Giles JA**
Sedat J; Duvernoy H: anatomical study of the temporal lobe: correlations with nuclear magnetic resonance, J Neuroradiol 1990; **17:** 26
Sedlacek R See **Okunieff P**
Sedlacek RS See **Baumann M**
Sedler JA See **Nelson MD Jr**
Sedman AB See **Zerin JM**
Seeds JW See **Toma SK**
Seegenschmiedt MH; Karlsson UL; Sauer R; Brady LW; Herbst M; Amendola BE; Markoe AM; Fisher SA; Micaily B: superficial chest wall recurrences of breast cancer: prognostic treatment factors for combined radiation therapy and hyperthermia, Radiology 1989; **173:** 551
Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW: primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Radiology 1990; **176:** 267
Seeger JF See **Carmody RF**
Seeger JM; Abela GS; Silverman SH; et al: initial results of laser recanalization in lower-extremity arterial reconstruction, (ab), Radiology 1989; **172:** 887
Seeger LL See **Bassett LW**
Seeger LL See **Crim JR**
Seeger LL See **Dungan DH**
Seeger LL See **Gold RH**
Seeger LL See **Grover JS**
Seeger LL See **Osburn AW**
Seeger LL See **Ostlere SJ**
Seeger LL; Butler DL; Eckardt JJ; et al: tumoral calcinosis-like lesion of the proximal linea aspera, Skeletal Radiol 1990; **19:** 579
Seeger LL; Eckardt JJ; Bassett LW: cross-sectional imaging in the evaluation of osteogenic sarcoma: MRI and CT, Semin Roentgenol 1989; **24:** 174
Seeger LL; Widoff BE; Bassett LW; et al: preoperative evaluation of osteosarcoma: value of gadopentetate dimeglumine-enhanced MR imaging, AJR 1991; **157:** 347
Seelaus P See **Gomberg J**
Seeley AB See **Teresi LM**
Seeley GW See **Carmody RF**
Seeley GW See **Fajardo LL**
Seeley GW See **Freundlich IM**
Seeley GW See **Ker M**
Seeley GW See **Pond GD**
Seeley GW See **Rehm K**
Seeley GW See **Yocky DA**
Seelig J See **Beckmann N**
Seelig J See **Desmoulin F**
Seelig J See **Hafner H-P**
Seelos KC See **Kersting-Sommerhoff BA**
Seelos KC See **Masui T**
Seelos KC; DeMarco R; Clark OH; Higgins CB: persistent and recurrent hyperparathyroidism: assessment with gadopentetate dimeglumine–enhanced MR imaging, Radiology 1990; **177:** 373
Seelos KC; Funari M; Higgins CB: detection of aortic arch thrombus using MR imaging, JCAT 1991; **15:** 244
Seez P See **Katayama H**
Seez P See **Yamaguchi K**
Segal AJ See **Spital A**
Segal S See **Kurtz AB**
Segal S; Feld R; Kurtz AB: ultrasound case of the day: annual meeting, 1988, Radiographics 1989; **9:** 959
Segalin A See **Altorki NK**
Segall GM; Davis MJ: prone versus supine thallium myocardial SPECT: a method to decrease artifactual inferior wall defects, J Nucl Med 1989; **30:** 548
Segall GM; Lennon SE; Stevick CD: exercise whole-body thallium scintigraphy in the diagnosis and evaluation of occlusive arterial disease in the legs, J Nucl Med 1990; **31:** 1443
Segall GM; Nino-Murcia M; Jacobs T; et al: role of bone scan and radiography in the diagnostic evaluation of suspected pedal osteomyelitis, Clin Nucl Med 1989; **14:** 255
Segall H See **Zee C-S**
Segall HD See **Kieffer SA**
Segall HD; Byrd SE; Enzmann DR; Fox AJ; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Naidich TP; Quencer RM; Sze GK; Tenner MS; Wolpert SM; Zimmerman RD: neuroradiology: RSNA '89 meeting notes, Radiology 1990; **174:** 910
Segall HD; Daniels DL; Fitz CR; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Maravilla KR; Quencer RM; Rosenbaum AE; Russell EJ; Sze GK; Tenner MS; Yuh WTC; Zimmerman RD: neuroradiology: RSNA '90 meeting notes, Radiology 1991; **178:** 902
Segalowitz J See **Litvack F**
Segalowitz J; Grundfest WS; Treiman RL; et al: angioscopy for intraoperative management of thromboembolectomy, (ab), JVIR 1991; **2:** 288
Segalowitz J; Grundfest WS; Treiman RL; et al: angioscopy for intraoperative management of thromboembolectomy, (ab), Radiology 1991; **179:** 886
Segars JH See **Eisenberg AD**
Segars JH Jr See **Moore DE**
Segebarth CM; Balériaux DF; de Beer R; et al: ^{1}H image-guided localized ^{31}P MR spectroscopy of human brain: quantitative analysis of ^{31}P MR spectra measured on volunteers and on intracranial tumor patients, Magn Res Med 1989; **11:** 349
Segebarth CM; Balériaux DF; Luyten PR; et al: detection of metabolic heterogeneity of human intracranial tumors *in vivo* by ^{1}H NMR spectroscopic imaging, Magn Res Med 1990; **13:** 62
Seger RM See **Marshall JB**
Segerstedt B See **Hietala S-O**
Seguin F; Berthiau F; Le Pape A; et al: moving average improves the signal-to-noise ratio of kinetic studies in magnetic resonance spectroscopy, Magn Res Med 1990; **14:** 396
Segura AD See **Tang TT**
Segura JM; Conthe P; Martin R: pulmonary hydatid seeding mimicking hematogenous metastases: sonographic diagnosis of hydatid rupture into the inferior vena cava, JCU 1989; **17:** 112
Sehgal CM See **Kim D**
Sehlen S See **Uhlenbrock D**
Sehweil A See **Abdel-Dayem HM**
Seibert CE See **Yakes WF**
Seibert JA See **Cagnon CH**
Seibert JA See **Link DP**
Seibert JA; Lantz BMT; Brock J: internal densitometric gating for digital subtraction angiography, Invest Radiol 1989; **24:** 350
Seibert JJ See **Alexander JE**
Seibert JJ See **Glasier CM**
Seibert JJ See **Rodgers B**
Seibert JJ See **Stark JE**
Seibert JJ See **Stephenson CA**
Seibert JJ See **Williamson SL**
Seibert JJ; McCowan TC; Chadduck WM; Adametz JR; Glasier CM; Williamson SL; Taylor BJ; Leithiser RE Jr; McConnell JR; Stansell CA; Rodgers AB; Corbitt SL: duplex pulsed Doppler US versus intracranial pressure in the neonate: clinical and experimental studies, Radiology 1989; **171:** 155
Seibert JJ; Northington FJ; Miers JF; et al: aortic thrombosis after umbilical artery catheterization in neonates: prevalence of complications on long-term follow-up, AJR 1991; **156:** 567
Seidel D See **Uhlenbrock D**
Seidel FG See **Boulden TF**
Seidel FG See **Brody AS**
Seidel FG See **Brooks MT**
Seidel FG See **Burton EM**
Seidel FG See **Cachero S**
Seidel FG See **Hanna SL**
Seidel FG See **Kochanski SC**
Seidel FG See **Magill HL**
Seidel FG; Magill HL; Burton EM; Boulden TF; Brooks MT; Hanna SL: pediatric case of the day, Radiographics 1990; **10:** 728
Seidel S See **Biggemann M**
Seideman B See **Black KS**

Seidenwurm D See Pinto RS

Seidenwurm D; Berenstein A; Hyman A; et al: vein of Galen malformation: correlation of clinical presentation, arteriography, and MR imaging, AJNR 1991; **12:** 347

Seidenwurm D; Meng T-K; Kowalski H; Weinreb JC; Kricheff II: intracranial hemorrhagic lesions: evaluation with spin-echo and gradient-refocused MR imaging at 0.5 and 1.5 T, Radiology 1989; **172:** 189

Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J: detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Radiology 1989; **170:** 545

Seidman EJ See Baer HM

Seidmon EJ See Milestone B

Seidner DL; Roberts IM; Smith MS: esophageal obstruction after ingestion of a fiber-containing diet pill, (ab), Radiology 1991; **180:** 587

Seifalian AM; Hawkes DJ; Colchester ACF; et al: new algorithm for deriving pulsatile blood flow waveforms tested using simulated dynamic angiographic data, Neuroradiol 1989; **31:** 263

Seife B See Weinberg B

Seijkens D See van der Grond J

Seissler W See Kalender WA

Seizinger BR See Choyke PL

Sekela ME See Athanasoulis T

Sekhar L See Pistoia F

Sekhar LN See Jungreis CA

Sekhar LN See Pollack IF

Seki K See Nishimaki S

Seki T See Araki T

Sekihara K; Ohyama N: parameter estimation for *in vivo* magnetic resonance spectroscopy (MRS) using simulated annealing, Magn Res Med 1990; **13:** 332

Sekikawa T See Araki T

Sekiya M See Schmidt RA

Selas PR See Gonzalez EM

Selby HG See Gay SB

Selby JB Jr See Gay SB

Selby JB Jr; Bittner GM; Tegtmeyer CJ; et al: balloon occlusion of a pseudoaneurysm in a below-the-knee amputation stump, AJR 1989; **153:** 625

Selby JB Jr; Tegtmeyer CJ: new balloon-through-balloon angioplasty technique for the treatment of segmental lesions, Radiology 1990; **177:** 276

Selby JB Jr; Tegtmeyer CJ; Amodeo C; et al: insertion of subclavian hemodialysis catheters in difficult cases: value of fluoroscopy and angiographic techniques, AJR 1989; **152:** 641

Selby JB Jr; Tegtmeyer CJ; Bittner GM: experience with new retrieval forceps for foreign body removal in the vascular, urinary, and biliary systems, Radiology 1990; **176:** 535

Selby JB Sr; Callcott F; Gordon L; et al: utility of Tc-99m DTPA aerosol inhalation scans following perfusion lung scans in the diagnosis of pulmonary embolism, Clin Nucl Med 1990; **15:** 143

Selch MT; Kopald KH; Ferreiro GA; et al: limb salvage therapy for soft tissue sarcomas of the foot, Int J Radiat Oncol Biol Phys 1990; **19:** 41

Selcuk MB See Demirci A

Seldin DW See Johnson LL

Seldin DW; Johnson LL; Blood DK; et al: myocardial perfusion imaging with technetium-99m SQ30217: comparison with thallium-201 and coronary anatomy, J Nucl Med 1989; **30:** 312

Seliem M See Glass T

Seliger G See Li C

Selik RM See Horsburgh CR Jr

Selim H See Rafla S

Selim HM See MacLennan I

Selim HM See Russell AH

Seline TH; Gross BH; Francis IR: CT and MR imaging of mediastinal hemangiomas, JCAT 1990; **14:** 766

Selinger SE See O'Laughlin RL

Selinsky B See Johnson M

Sell JJ See King JN

Sellar RJ See Abernethy LJ

Sellar RJ See Moss JG

Sellar RJ See Wardlaw JM

Sellar RJ See Wilkinson AG

Sellers LT See Yochum TR

Selli C See Stefani P

Sellier N See Adamsbaum C

Selman WR See Masaryk TJ

Seltzer S; Mark AS: contrast enhancement of the labyrinth on MR scans in patients with sudden hearing loss and vertigo: evidence of labyrinthine disease, AJNR 1991; **12:** 13

Seltzer SE See Adzamli IK

Seltzer SE See Silverman SG

Seltzer SE See White C

Seltzer SE: role of liposomes in diagnostics imaging, Radiology 1989; **171:** 19

Seltzer SE; Holman BL: imaging hepatic metastases from colorectal carcinoma: identification of candidates for partial hepatectomy, AJR 1989; **152:** 917

Seltzer SE; Swensson RG; Nawfel RD; et al: visualization and detection–localization on computed tomographic images, Invest Radiol 1991; **26:** 285

Selvidge R See Glüer CC

Selvik G See Danielson B

Selvik G: roentgen stereophotogrammetric analysis, Acta Radiol 1990; **31:** 113

Selzer P See Douek PC

Selzer PM See Turner DA

Semelka R See Kondo C

Semelka RC See Auffermann W

Semelka RC See Hricak H

Semelka RC; Anderson M; Hricak H: prosthetic testicle: appearance at MR imaging, Radiology 1989; **173:** 561

Semelka RC; Chew W; Hricak H; et al: fat-saturation MR imaging of the upper abdomen, AJR 1990; **155:** 1111

Semelka RC; Hricak H; Stevens SK; Finegold R; Tomei E; Carroll PR: combined gadolinium-enhanced and fat-saturation MR imaging of renal masses, Radiology 1991; **178:** 803

Semelka RC; Hricak H; Tomei E; Floth A; Stoller M: obstructive nephropathy: evaluation with dynamic Gd-DTPA–enhanced MR imaging, Radiology 1990; **175:** 797

Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB: pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Radiology 1991; **181:** 785

Semelka RC; Simm FC; Recht M; Deimling M; Lenz G; Laub GA: T1-weighted sequences for MR imaging of the liver: comparison of three techniques for single-breath, whole-volume acquisition at 1.0 and 1.5 T, Radiology 1991; **180:** 629

Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB: normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Radiology 1990; **174:** 763

Semenkovich JW See Lowry PA

Semisa M See Liessi G

Semmler W See Brix G

Semmler W See Göckel F

Semmler W; Bachert-Baumann P; Göckel F; Ermark F; Schlag P; Lorenz WJ; van Kaick G: real-time follow-up of 5-fluorouracil metabolism in the liver of tumor patients by means of F-19 MR spectroscopy, Radiology 1990; **174:** 141

Senac JP See Mata JM

Senac MO Jr; Wood BP; Isaacs H; Weller M: pulmonary blastoma: a rare childhood malignancy, Radiology 1991; **179:** 743

Senda M See Murata K

Senders CW See Tesluk H

Senegas J See Grenier N

Senekowitsch R; Reidel G; Möllenstädt S; et al: curative radioimmunotherapy of human mammary carcinoma xenografts with iodine-131-labeled monoclonal antibodies, J Nucl Med 1989; **30:** 531

Senel K See Palaoglu S

Sener RN See Tali ET

Sener RN: basic imaging in congenital heart disease, Radiology 1990; **174:** 756

Sener RN: case report 636, Skeletal Radiol 1990; **19:** 542

Sener RN: emergency interventional radiology, Radiology 1990; **176:** 412

Sener RN: endoscopic ultrasonography in gastroenterology, Radiology 1989; **173:** 648

Sener RN: outpatient invasive radiologic procedures, Radiology 1990; **174:** 458

Sener RN: persistent femoral neck cysts in healed Legg-Perthes' disease: a clue to the etiology of simple bone cyst?, Pediatr Radiol 1989; **19:** 496

Sener RN; Alper H; Demirci A; et al: different sonographic "pseudokidney" appearance detected with intestinal lymphoma: "hydronephrotic-pseudokidney", JCU 1989; **17:** 209

Sener RN; Alper H; Ozturk L; et al: retroperitoneal part of the femoral nerve: normal ultrasound features, Neuroradiol 1991; **33:** 159

Sener RN; Isikan E; Diren HB; et al: bilateral split-hand with bilateral tibial aplasia, Pediatr Radiol 1989; **19:** 258

Sener RN; Jinkins JR: CT of intrasellar colloid cyst, JCAT 1991; **15:** 671

Sener RN; Kumcuoglu Z; Elmas N; et al: Peutz-Jeghers syndrome: CT and US demonstration of small bowel polyps, Gastrointest Radiol 1991; **16:** 21

Sener RN; Sayli BS; Isikan UE; et al: tetra-oligodactyly with bilateral aplasia and hypoplasia of long bones of upper and lower limbs: a variable manifestation of the syndrome of ectrodactyly with tibial aplasia, Pediatr Radiol 1990; **21:** 57

Sener SF; Candela FC; Paige ML; et al: limitations of mammography in the identification of noninfiltrating carcinoma of the breast, (ab), Radiology 1989; **170:** 584

Senéterre E; Weissleder R; Jaramillo D; Reimer P; Lee AS; Brady TJ; Wittenberg J: bone marrow: ultrasmall superparamagnetic iron oxide for MR imaging, Radiology 1991; **179:** 529

Senior S See Giaffer MH

Senkowsky J See Garcia R

Sennett CA; Messersmith RN; Yousefzadeh DK; et al: percapsular and percutaneous embolization of renal transplant pseudoaneurysm and AV fistula: case report, Cardiovasc Intervent Radiol 1989; **12:** 270

Senofsky GM; Davies RJ; Olson L; et al: predictive value of needle localization mammographically assisted biopsy of the breast, (ab), Radiology 1991; **179:** 590

Senoh D See Hata T

Senoh D; Hata T; Hata K; et al: mesodermal mixed tumor of the uterine cervix associated with retroperitoneal lymph node metastasis, JCU 1989; **17:** 527

Senuita P See Dousset V

Seo JW See Im J-G

Seo Y See Maeda M

Sephton R See Fredericks BJ

Sephton R; Green M; Fitzpatrick C: new system for port films, Int J Radiat Oncol Biol Phys 1989; **16:** 251

Sepponen RE See Lamminen AE

Serafini AN See Ganz WI

Serafini AN; Kotler J; Feun L; et al: technetium-99m labeled monoclonal antibodies in the detection of metastatic melanoma, Clin Nucl Med 1989; **14:** 580

Serago CF See Schwade JG

Serago CF; Lewin AA; Houdek PV; et al: stereotactic target point verification of an X ray and CT localizer, Int J Radiat Oncol Biol Phys 1991; **20:** 517

Serago CF; Lewin AA; Houdek PV; Schwade JG; Abitol AA: multiplanar arc boost radiation therapy for prostate cancer, Radiology 1989; **172:** 561

Serano J See Quirce R

Serena TE; Gifford RRM; Neumyer MM; et al: identification of an intimal flap with image-directed Doppler ultrasonography following renal transplantation, JCU 1991; **19:** 105

Sergott RC See Dowsett RJ

Sergott RC See Lanciano R

Seringe R See Adamsbaum C

Seriu N See Sawada H

Serota H See Kern MJ

Serota H; Barth CW; Seuc CA; et al: rapid identification of the course of anomalous coronary arteries in adults: the "dot and eye" method, (ab), Radiology 1990; **177:** 597

Serpell JW See Chan TYK

Serrano BV See Martínez OC

Serrano FM See Marti-Bonmati L

Serruys P See de Feyter PJ

Serruys PW; Strauss BH; Beatt KJ; et al: angiographic follow-up after placement of a self-expanding coronary artery stent, (ab), JVIR 1991; **2:** 294

Serti K See Herold CJ

Servo A; Porras M; Jääskeläinen J; et al: computed tomography and angiography do not reliably discriminate malignant meningiomas from benign ones, Neuroradiol 1990; **32:** 94

Servomaa A; Björkman J: use of an AAPM DSA phantom in quality assurance, Eur J Radiol 1989; **9:** 217

Serwer GA See Bengur AR

Serwin JB See Alam M

Seshadri SB See Arenson RL

Seshadri SB See Kundel HL

Sessions RB See Harrison LB

Sesterhenn IA See Hayes WS

Setaro JF See Chen CC

Seth S See Arora A

Sether LA See Kostelic JK

Sether LA See Modl JM

Sether LA See Wang ZL

Sether LA See Yu S

Sether LA; Nguyen C; Yu S; Haughton VM; Ho K-C; Biller DS; Strandt JA; Eurell JC: canine intervertebral disks: correlation of anatomy and MR imaging, Radiology 1990; **175:** 207

Sether LA; Yu S; Haughton VM; Fischer ME: intervertebral disk: normal age-related changes in MR signal intensity, Radiology 1990; **177:** 385

Sethi T; Joshi K; Sharma SC; et al: radiation therapy in the management of giant lymph node hyperplasia, Br J Radiol 1990; **63:** 648

Setiawan AT See Twickler DM

Setiawan H See Fletcher TB

Seton A See Graif M

Seuc CA See **Serota H**
Sevcik M See **Young W**
Sevestre H See **Davion T**
Sevestre H See **Delamarre J**
Sevick R See **Moseley ME**
Sevick RJ See **Baker LL**
Sevick RJ See **Kucharczyk J**
Sevick RJ; Dillon WP; Engstrom J; et al: trigeminal neuropathy: Gd-DTPA enhanced MR imaging, JCAT 1991; **15:** 605
Sevick RJ; Tsuruda JS; Schmalbrock P: three-dimensional time-of-flight MR angiography in the evaluation of cerebral aneurysms, JCAT 1990; **14:** 874
Sewell R See **Pierce ME**
Sexauer CL See **Wilson DA**
Seyfer AE; Walsh DS; Graeber GM; et al: chest wall implementation of lung cancer after thin-needle aspiration biopsy, (ab), Radiology 1990; **174:** 899
Seymour CB See **Mothersill C**
Sezai S; Hirano M; Iwase T: osteodystrophy in liver cirrhosis: detection and treatment evaluation using $^{99}Tc^{m}$ methylene diphosphonate bone scintigraphy, Clin Radiol 1991; **43:** 32
Sezhiyan T; Yang DC; Fabila J; et al: obstruction of the iliac veins due to markedly distended urinary bladder demonstrated by radionuclide venography: a case report, Clin Nucl Med 1990; **15:** 787
Sfakianakis GN See **Dunnick NR**
Sgouros G See **Zanzonico PB**
Sgouros G; Barest G; Thekkumthala J; et al: treatment planning for internal radionuclide therapy: three-dimensional dosimetry for nonuniformly distributed radionuclides, J Nucl Med 1990; **31:** 1884
Shabas D; Gerard G; Cunha B; et al: MR imaging of AIDS myelitis, AJNR 1989; **10:** S51
Shabsigh R; Fishman IJ; Quesada ET; et al: evaluation of vasculogenic erectile impotence using penile duplex ultrasonography, (ab), Radiology 1990; **176:** 295
Shabsigh R; Lerner S; Fishman IJ; et al: role of transrectal ultrasonography in the diagnosis and management of prostatic and seminal vesicle cysts, (ab), Radiology 1989; **173:** 291
Shachar GB See **Rocchini AP**
Shackelford GD See **Pilgram TK**
Shackelford GD See **Quillin SP**
Shackelford GD See **Vannier MW**
Shackelford GD; Siegel MJ: CT appearance of cystic adenomatoid malformations, JCAT 1989; **13:** 612
Shackford SR See **Brooks AP**
Shackford SR See **Molin MR**
Shady K See **Hammerman AM**
Shaer AH; Bashist B: computed tomography of bronchial artery aneurysm with erosion into the esophagus, JCAT 1989; **13:** 1069
Shaffer HA Jr See **de Lange EE**
Shaffer K; Pugatch RD: small pulmonary nodules: dynamic CT with a single-breath technique, Radiology 1989; **173:** 567
Shaffer KA See **Beyer GA**
Shaffer PB See **Beltran J**
Shaffer PB See **Chandnani VP**
Shaffer PB; Chandnani VP; Beltran J: inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Radiology 1991; **178:** 582
Shafique I See **Civelek AC**
Shah A See **Dodd GD III**
Shah AC See **Marmolya G**
Shah AM; Hutchison SJ: case report: the Koebnor phenomenon—an unusual localization of a contrast reaction, Clin Radiol 1990; **42:** 136
Shah AN See **Abdel-Nabi HH**
Shah AN See **Mochizuki T**
Shah D See **Jeanty P**
Shah DC See **Tsai FY**
Shah DM See **Fleischer AC**
Shah HR See **Harmon BH**
Shah HR See **Miller SF**
Shah HR See **Pritchard RS**
Shah HR See **Williamson MR**
Shah HR; Buckner CB; Purnell GL; et al: computed tomography and magnetic resonance imaging in the diagnosis of pulmonary thromboembolic disease, J Thorac Imag 1989; **4-4:** 58
Shah HR; Love L; Williamson MR; et al: hemorrhagic adrenal metastases: CT findings, JCAT 1989; **13:** 77
Shah KJ; Dasher BG; Brooks B: computed tomography of Grave's ophthalmopathy: diagnosis, management, and posttherapeutic evaluation, Clin Imag 1989; **13:** 58
Shah M See **Lanzieri CF**
Shah M; Haaga JR: focal xanthogranulomatous pyelonephritis simulating a renal tumor: CT characteristics, JCAT 1989; **13:** 712
Shah M; Ross JS: infantile Alexander disease: MR appearance of a biopsy-proved case, AJNR 1990; **11:** 1105
Shah NJ; Carpenter TA; Wilkinson ID; et al: localized *in vivo* proton spectroscopy of the human kidney, Magn Res Med 1991; **20:** 292
Shah P See **Ramakantan R**
Shah P See **Zargar SA**
Shah P; Ramakantan R: tuberculosis of the patella, Br J Radiol 1990; **63:** 363
Shah PM See **Babu SC**
Shah PM See **Kotval PS**
Shah Y See **Bader-Armstrong B**
Shah Y: case of the season, Semin Roentgenol 1989; **24:** 5
Shah YG See **Sherer DM**
Shah YG; Metlay L: prenatal ultrasound diagnosis of Beckwith–Wiedemann syndrome, JCU 1990; **18:** 597
Shah YP See **Hadlock FP**
Shahabi S See **Mehta MP**
Shahinian L Jr See **Northway WH Jr**
Shahtto NM See **Nawaz K**
Shalet SM See **Wallace WHB**
Shalev E; Weiner E; Zuckerman H; et al: reliability of sonographic measurement of the fetal foot, J Ultrasound Med 1989; **8:** 259
Shalev J See **Kushnir U**
Shalev S See **Hahn P**
Shalev S; Lee T; Leszczynski K; et al: video techniques for on-line portal imaging, Comput Med Imag Graph 1989; **13:** 217
Shalev S; Viggars D; Carey M; et al: objective evaluation of alternative treatment plans: II. score functions, Int J Radiat Oncol Biol Phys 1991; **20:** 1067
Sham JST See **Lee AWM**
Sham JST; Chan FL; Lau WH; et al: primary mediastinal endodermal sinus tumors: CT evaluation, Clin Imag 1989; **13:** 299
Sham JST; Cheung YK; Chan FL; et al: nasopharyngeal carcinoma: pattern of skeletal metastases, Br J Radiol 1990; **63:** 202
Sham JST; Cheung YK; Choy D; et al: nasopharyngeal carcinoma: CT evaluation of patterns of tumor spread, AJNR 1991; **12:** 265
Sham JST; Choy D: prognostic factors of nasopharyngeal carcinoma: a review of 759 patients, Br J Radiol 1990; **63:** 51
Sham JST; Choy D; Choi PHK: nasopharyngeal carcinoma: the significance of neck node involvement in relation to the pattern of distant failure, Br J Radiol 1990; **63:** 108
Sham JST; Choy D; Wei WI: nasopharyngeal carcinoma: orderly neck node spread, Int J Radiat Oncol Biol Phys 1990; **19:** 929
Sham JST; Lau WH; Tung Y: radiotherapy of brain metastases from carcinoma of the bronchus, Clin Radiol 1989; **40:** 193
Sham JST; Tong CM; Choy D; et al: role of bone scanning in detection of subclinical bone metastasis in nasopharyngeal carcinoma, Clin Nucl Med 1991; **16:** 27
Sham JST; Wei WI; Choy D; et al: treatment of persistent and recurrent nasopharyngeal carcinoma by brachytherapy, Br J Radiol 1989; **62:** 355
Shamberger RC See **Hoffer FA**
Shamma A See **Cragg AH**
Shamsnia M See **Weisberg LA**
Shanahan TG; Mehta MP; Bertelrud KL; et al: minimization of small bowel volume within treatment fields utilizing customized "belly boards", Int J Radiat Oncol Biol Phys 1990; **19:** 469
Shang Y See **Onik G**
Shank B See **Hunt MA**
Shank B See **Kaufman N**
Shank B See **Yahalom J**
Shank B; LoSasso T; Brewster L; et al: three-dimensional treatment planning for postoperative treatment of rectal carcinoma, Int J Radiat Oncol Biol Phys 1991; **21:** 253
Shankar L; Hawke M; Leekam RN; et al: computed tomographic analysis of the intratemporal facial nerve and facial nerve neuromas, J Canad Assoc Radiol 1989; **40:** 150
Shanken LJ See **Lamki LM**
Shankland EG See **Nelson JA**
Shankwiler RA; Athey PA; Lamki N: aggressive infantile fibromatosis: pulmonary metastases documented by plain film and computed tomography, Clin Imag 1989; **13:** 127
Shanley DJ See **Daum-Kowalski R**
Shanley DJ; Buckner AB; Alexander HG: scintigraphic "duodenal cut off sign" in acute pancreatitis, Clin Nucl Med 1991; **16:** 223
Shanley DJ; Buckner AB; Alexander HG: unusual pelvic activity found on bone scan, Clin Nucl Med 1991; **16:** 453
Shanley DJ; Lerud KS; Luetkehans TJ: development of pulmonary histiocytosis X after chemotherapy for Hodgkin disease, AJR 1990; **155:** 741
Shanley DJ; Mulligan ME: osteochondrosis dissecans of the glenoid, Skeletal Radiol 1990; **19:** 419
Shanley DJ; Mulligan ME: osteosarcoma with isolated metastases to the pleura, Pediatr Radiol 1991; **21:** 226
Shannon M See **Palacios E**
Shannon RL See **Ribalta T**
Shanon A; Martin DJ; Feldman W: ultrasonographic studies in the management of recurrent abdominal pain, (ab), Radiology 1991; **178:** 592
Shao MY-C See **King DL**
Shao-Qin H; Chang-Fen L; Xiu-Ying Z; et al: radiation survival properties of cultured human gastric adenocarcinoma cells and the effect of AT-1727, Int J Radiat Oncol Biol Phys 1989; **16:** 361
Shapeero L See **Soyer P**
Shapeero LG; Hricak H: mixed Müllerian sarcoma of the uterus: MR imaging findings, AJR 1989; **153:** 317
Shapeero LG; Vordermark JS: bladder neurofibromatosis in childhood: noninvasive imaging, J Ultrasound Med 1990; **9:** 177
Shapeero LG; Vordermark JS: papillary necrosis causing hydronephrosis in the renal allograft: sonographic findings, J Ultrasound Med 1989; **8:** 581
Shapiro B See **Andrews JC**
Shapiro B See **Fig LM**
Shapiro B See **Geatti O**
Shapiro B See **Gross MD**
Shapiro B See **Hicks RJ**
Shapiro B See **Kazerooni EA**
Shapiro B See **Khafagi FA**
Shapiro B See **McCarthy S**
Shapiro B See **Sisson JC**
Shapiro BS See **Taylor KJW**
Shapiro E See **Kountz PD**
Shapiro E; Slovis TL; Perlmutter AD; et al: optimal use of ^{99m}technetium-glucoheptonate scintigraphy in the detection of pyelonephritic scarring in children: a preliminary report, (ab), Radiology 1989; **172:** 591
Shapiro F See **Jaramillo D**
Shapiro GG; Virant FS; Furukawa CT; et al: immunologic defects in patients with refractory sinusitis, (ab), Radiology 1991; **181:** 616
Shapiro H See **Durham JD**
Shapiro HA See **Chespak LW**
Shapiro HA See **Ring EJ**
Shapiro HR See **Mack JM**
Shapiro JI; Whalen M; Chan L: hemodynamic and hepatic pH responses to sodium bicarbonate and carbicarb during systemic acidosis, Magn Res Med 1990; **16:** 403
Shapiro M See **Rosato FE**
Shapiro MD See **Cross RR**
Shapiro MD; Som PM: MRI of the paranasal sinuses and nasal cavity, Radiol Clin North Am 1989; **27:** 447
Shapiro MJ See **Bonn J**
Shapiro MJ See **Kashdan BJ**
Shapiro MJ See **Sullivan KL**
Shapiro MJ See **Vinitski S**
Shapiro MJ; Albelda SM; Mayock RL; et al: severe hemoptysis associated with pulmonary aspergilloma: percutaneous intracavitary treatment, (ab), Radiology 1989; **172:** 291
Shapiro MP; Gale ME; Gerzof SG: CT of appendicitis: diagnosis and treatment, Radiol Clin North Am 1989; **27:** 753
Shapiro R: craniosynostosis (1, 2) in the Talmud (3), Radiology 1989; **172:** 230
Shapiro R; Mintz A: David and Goliath: reply, Radiology 1990; **176:** 288
Shapiro R; Mintz A: head injuries in the Old Testament, Radiology 1990; **174:** 84
Shapiro R; Mintz A: Sisera's death: an afterword, Radiology 1990; **177:** 591
Shapiro RS See **Winsberg F**
Shapiro RS; Mendelson DS; Silvers AR; et al: giant varices in portal hypertension: CT findings, Comput Med Imag Graph 1990; **14:** 269
Shapiro RS; Silvers AR; Halton KP; et al: medial indentation of the inferior vena cava: a sonographic sign of fluid in the superior recess of the lesser sac, J Ultrasound Med 1991; **10:** 227
Shapiro RS; Winsberg F: comet-tail artifact from cholesterol crystals: observations in the postlithotripsy gallbladder and an in vitro model, Radiology 1990; **177:** 153
Shapiro S; Mealey J Jr; Sartorius C: radiation-induced intracranial malignant gliomas, (ab), Radiology 1990; **174:** 902
Shapiro SD See **Shapiro SJ**
Shapiro SJ See **Lai PP**
Shapiro SJ See **Lovett RD**
Shapiro SJ; Shapiro SD; Mill WB; et al: prospective study of long-term pulmonary manifestations of mantle irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 707
Sharbrough FW See **Jack CR Jr**
Share JC; Lebowitz RL: ectopic ureterocele without ureteral and calyceal dilatation (ureterocele disproportion): findings on urography and sonography, AJR 1989; **152:** 567
Share JC; Lebowitz RL: unsuspected double collecting system on imaging studies and at cystoscopy, AJR 1990; **155:** 561

Share JC; Pursley D; Teele RL: unsuspected hepatic injury in the neonate-diagnosis by ultrasonography, Pediatr Radiol 1990; **20:** 320

Sharif DS; Huhta JC; Moise KJ Jr; et al: changes in fetal hemodynamics with terbutaline treatment and premature labor, JCU 1990; **18:** 85

Sharif HS; Aideyan OA; Clark DC; Madkour MM; Aabed MY; Mattsson TA; Al-Deeb SM; Moutaery KR: brucellar and tuberculous spondylitis: comparative imaging features, Radiology 1989; **171:** 419

Sharif HS; Clark DC; Aabed MY; et al: MR imaging of thoracic and abdominal wall infections: comparison with other imaging procedures, AJR 1990; **154:** 989

Sharif HS; Clark DC; Aabed MY; Aideyan OA; Mattsson TA; Haddad MC; Ohman SO; Joshi RK; Hasan HA; Haleem A: mycetoma: comparison of MR imaging with CT, Radiology 1991; **178:** 865

Sharif HS; Clark DC; Aabed MY; Haddad MC; Al Deeb SM; Yaqub B; Al Moutaery KR: granulomatous spinal infections: MR imaging, Radiology 1990; **177:** 101

Sharir T See Marmor A

Sharkey RM See Goldenberg DM

Sharkey RM See Motta-Hennessy C

Sharkey RM See Weadock KS

Sharma A See Gupta RK

Sharma BK See Gupta RK

Sharma BK; Kapoor R; Ramji S; et al: thin ribs, thin tubular bones, abnormal facies and intrauterine growth retardation: a lethal syndrome, Br J Radiol 1990; **63:** 654

Sharma BS See Kak VK

Sharma MP See Arora A

Sharma S See Aggarwal S

Sharma S See Puri S

Sharma S; Aggarwal S; Talwar KK; et al: intravenous digital subtraction angiography in non-specific aorto-arteritis, Br J Radiol 1989; **62:** 117

Sharma S; Kamalakar T; Rajani M; et al: incidence and patterns of pulmonary artery involvement in Takayasu's arteritis, Clin Radiol 1990; **42:** 177

Sharma S; Kaul U; Misra N; et al: case report: percutaneous supra-aortic angioplasty in a high risk coronary patient, Clin Radiol 1990; **42:** 57

Sharma S; Kumar MV; Aggarwal S; et al: chest radiographs are unreliable in predicting thrombi in the left atrium or its appendage in rheumatic mitral stenosis, Clin Radiol 1991; **43:** 337

Sharma S; Kumar MV; Reddy VM; et al: comparison of left coronary and laevo-phase pulmonary angiograms in detecting left atrial thrombi in rheumatic mitral stenosis, Clin Radiol 1991; **44:** 27

Sharma S; Kumar MV; Reddy VM; et al: left coronary angiography in the pre-operative diagnosis of thrombosis of the left atrium or its appendage in rheumatic mitral stenosis, Clin Radiol 1990; **42:** 188

Sharma S; Rajani M; Kamalakar T; et al: association between aneurysm formation and systemic hypertension in Takayasu's arteritis, Clin Radiol 1990; **42:** 182

Sharma S; Rajani M; Kaul U; et al: initial experience with percutaneous transluminal angioplasty in the management of Takayasu's arteritis, Br J Radiol 1990; **63:** 517

Sharma S; Rajani M; Khosla A; et al: influence of Buscopan on adverse reactions to intravascular contrast media, Br J Radiol 1989; **62:** 1056

Sharma S; Rajani M; Mishra N; et al: extracranial carotid artery aneurysms following accidental injury: ten years experience, Clin Radiol 1991; **43:** 162

Sharma S; Rajani M; Shrivastava S; et al: non-specific aorto-arteritis (Takayasu's disease) in children, Br J Radiol 1991; **64:** 690

Sharma SC See Sethi T

Sharma SC; Bhandare N: new design of Delclos dome cylinders using standard Cs-137 sources, Int J Radiat Oncol Biol Phys 1991; **21:** 511

Sharma SK See Bagshawe KD

Sharma SK See Goyal AK

Sharma SK See Humm JL

Sharma SK See Padhy AK

Sharma SK See Posniak HV

Sharma SK See Sanborn TA

Sharon D See Makhija M

Sharp DJ See Goel A

Sharp DW: fraud: the journal's role concerning fraudulent research, Invest Radiol 1991; **26:** 586

Sharp JC See Gowland PA

Sharp JC; Leach MO: conformal NMR spectroscopy: accurate localization to noncuboidal volumes with optimum SNR, Magn Res Med 1989; **11:** 376

Sharp JT; Wolfe F; Mitchell DM; et al: progression of erosion and joint space narrowing scores in rheumatoid arthritis during the first 25 years of disease, (ab), Radiology 1991; **181:** 912

Sharp KW See Chapman WC

Sharp WJ See Cragg AH

Shatsky S See Parisi M

Shatsky SA See Finch IJ

Shattuck DP; Ophir J; Johnson GW; et al: correction of refraction and other angle errors in beam tracking speed of sound estimations using multiple tracking transducers, Ultrasound Med Biol 1989; **15:** 673

Shatzkes DR; Gordon DH; Haller JO; et al: malrotation of the bowel: malalignment of the superior mesenteric artery-vein complex shown by CT and MR, JCAT 1990; **14:** 93

Shatzkes DR; Haller JO; Velcek FT: imaging of uterovaginal anomalies in the pediatric patient, Urol Radiol 1991; **13:** 58

Shaw A See Floyd JL

Shaw A See Jackson A

Shaw A See Preston RC

Shaw C See Filderman AE

Shaw C See Markowitz DM

Shaw C See Matthay RA

Shaw C See Takasugi JE

Shaw D See Hall-Craggs MA

Shaw D See Moody A

Shaw D See Yeoman LJ

Shaw DG See Boothroyd AE

Shaw DG See Garber SJ

Shaw DG See Guy RL

Shaw DWW See Hughes P

Shaw DWW; Bertino RE; Mulholland MW; et al: use of tetracycline for sclerosis of a biliary-cutaneous fistula, AJR 1989; **153:** 65

Shaw DWW; Coldwell DM; Kimmey M; et al: use of the Hawkins-Hunter rocket wire in the biliary system, AJR 1990; **154:** 1101

Shaw DWW; Maravilla KR; Weinberger E; et al: MR imaging of phenylketonuria, AJNR 1991; **12:** 403

Shaw DWW; Weinberger E; Brewer DK: leptomeningeal metastasis from primary extracerebral neuroblastoma: CT demonstration, AJNR 1990; **11:** 804

Shaw DWW; Weinberger E; Maravilla KR: cranial MR in phenylketonuria, JCAT 1990; **14:** 458

Shaw EG See Robinow JS

Shaw EG; Scheithauer BW; Gilbertson DT; et al: postoperative radiotherapy of supratentorial low-grade gliomas, Int J Radiat Oncol Biol Phys 1989; **16:** 663

Shaw GT See Cragg AH

Shaw GT See Palestrant AM

Shaw JJ See Borgstein RL

Shaw LA See Lavery JP

Shaw MJ See Trenkner SW

Shaw P See Nisbet AP

Shaw P See Samuels TH

Shaw P See Whitear P

Shaw PC; van Romunde LKJ; Griffioen G; Janssens AR; Kreuning J; Lamers CBHW: detection of gastric erosions: comparison of biphasic radiography with fiberoptic endoscopy, Radiology 1991; **178:** 63

Shaw PJ See Smellie JM

Shaw RE See Webb JG

Shaw de Paredes E See Marsteller LP

Shaw de Paredes E; Abbitt PL; Tabbarah S; Bickers MA; Smith DC: mammographic and histologic correlations of microcalcifications, Radiographics 1990; **10:** 577

Shaw de Paredes E; Marsteller LP; Eden BV: breast cancers in women 35 years of age and younger: mammographic findings, Radiology 1990; **177:** 117

Shawe D See Sambrook PN

Shawker TH See Choyke PL

Shawker TH See Doppman JL

Shawker TH See Feuerstein IM

Shawker TH See Garra BS

Shawker TH See London JF

Shawker TH See Mallory DL

Shawker TH See Norton JA

Shawker TH See Premkumar A

Shawl FA; Domanski MJ; Hernandez TJ; et al: emergency percutaneous cardiopulmonary bypass support in cardiogenic shock from acute myocardial infarction, (ab), Radiology 1990; **175:** 866

Shea MJ See Strouse PJ

Sheahan DG See Berman MA

Sheahan DG See Marder DM

Sheahan K; Wolf BC; Neiman RS: inflammatory pseudotumor of the spleen: a clinicopathologic study of three cases, (ab), Radiology 1989; **171:** 290

Shearer DM See Simon NV

Shearer DR See Moore MM

Shebib SM; Chudley AE; Reed MH: spondylometepiphyseal dysplasia congenita, Strudwick type, Pediatr Radiol 1991; **21:** 298

Shechter SA; Sherer DM; Geilfuss CJ; et al: prenatal sonographic appearance and subsequent management of a fetus with oromandibular limb hypogenesis syndrome associated with pulmonary hypoplasia, JCU 1990; **18:** 661

Shedd SF See Hoffman DW

Sheedy PF II See Nishimura RA

Sheedy PF II See Welch TJ

Sheehan M See DeBusk RF

Sheehan M See O'Sullivan RM

Sheehan WE See Lynch TCP

Sheen I-S See Kuo Y-C

Sheets PW; Brumbaugh CJ; Kopecky KK; Pound DC; Filo RS: safety and efficacy of a spring-propelled 18-gauge needle for US-guided liver biopsy, JVIR 1991; **2:** 147

Sheffer DB See Loughry CW

Sheflin JR; Campbell JA; Thompson GP: pulmonary blastomycosis: findings on chest radiographs in 63 patients, AJR 1990; **154:** 1177

Shehan CM See Albert MB

Shei K-Y See Bahn DK

Sheibani K See Stroup RM

Sheikh KH; Davidson CJ; Kisslo KB; et al: comparison of intravascular US, external US, and digital angiography for evaluation of peripheral artery dimensions and morphology, (ab), JVIR 1991; **2:** 415

Shekar PC See Kuhn MJ

Shekitka KM See Burke AP

Shelbourne KD See Vahey TN

Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L: impact of section doubling on lesion contrast, Radiology 1991; **180:** 123

Sheline GE: radiotherapy for high grade gliomas, Int J Radiat Oncol Biol Phys 1990; **18:** 793

Sheline M; Amendola MA; Pollack HM; et al: fluoroscopically guided retrograde brush biopsy in the diagnosis of transitional cell carcinoma of the upper urinary tract: results in 45 patients, AJR 1989; **153:** 313

Sheline M; Bali DS; Evers KA: transnasogastric drainage of a perforated duodenal ulcer: technical note, Cardiovasc Intervent Radiol 1990; **13:** 55

Sheline ME; Brikman I; Epstein DM; et al: diagnosis of pulmonary nodules: comparison between standard and inverse digitized images and conventional chest radiographs, AJR 1989; **152:** 261

Shellard SA See Hill BT

Shellito JE See Imoto EM

Shellock FG See Conway WF

Shellock FG See Kanal E

Shellock FG: monitoring sedated pediatric patients during MR imaging, Radiology 1990; **177:** 586

Shellock FG; Curtis JS: MR imaging and biomedical implants, materials, and devices: an updated review, Radiology 1991; **180:** 541

Shellock FG; Foo TKF; Deutsch AL; Mink JH: patellofemoral joint: evaluation during active flexion with ultrafast spoiled GRASS MR imaging, Radiology 1991; **180:** 581

Shellock FG; Fukunaga T; Mink JH; et al: acute effects of exercise on MR imaging of skeletal muscle: concentric vs eccentric actions, AJR 1991; **156:** 765

Shellock FG; Fukunaga T; Mink JH; Edgerton VR: exertional muscle injury: evaluation of concentric versus eccentric actions with serial MR imaging, Radiology 1991; **179:** 659

Shellock FG; Kanal E; SMRI Safety Committee: SMRI report: policies, guidelines, and recommendations for MR imaging safety and patient management, JMRI 1991; **1:** 97

Shellock FG; Mink JH: knees of trained long-distance runners: MR imaging before and after competition, Radiology 1991; **179:** 635

Shellock FG; Mink JH; Deutsch AL; Fox JM: patellar tracking abnormalities: clinical experience with kinematic MR imaging in 130 patients, Radiology 1989; **172:** 799

Shellock FG; Pressman BD: dual-surface-coil MR imaging of bilateral temporomandibular joints: improvements in the imaging protocol, AJNR 1989; **10:** 595

Shellock FG; Rothman B; Sarti D: heating of the scrotum by high-field-strength MR imaging, AJR 1990; **154:** 1229

Shellock FG; Schaefer DJ; Crues JV: alterations in body and skin temperatures caused by magnetic resonance imaging: is the recommended exposure for radiofrequency radiation too conservative?, Br J Radiol 1989; **62:** 904

Shellock FG; Schaefer DJ; Crues JV: exposure to a 1.5-T static magnetic field does not alter body and skin temperatures in man, Magn Res Med 1989; **11:** 371

Shellock FG; Schatz CJ: metallic otologic implants: in vitro assessment of ferromagnetism at 1.5 T, AJNR 1991; **12:** 279

Shellock FG; Slimp G: eddy-current-induced artifacts caused by an "MR-compatible" halo device, Radiology 1990; **175:** 586

Shellock FG; Slimp G: halo vest for cervical spine fixation during MR imaging, AJR 1990; **154:** 631

Shelton C See Lo WWM

Shelton ME; Dence CS; Hwang D-R; et al: myocardial kinetics of fluorine-18 misonidazole: a marker of hypoxic myocardium, J Nucl Med 1989; 30: 351

Shelton ME; Green MA; Mathias CJ; et al: kinetics of copper-PTSM in isolated hearts: a novel tracer for measuring blood flow with positron emission tomography, J Nucl Med 1989; 30: 1843

Shelton R See **Mattrey RF**

Shemesh D See **Morali GA**

Shen EY; Huang FY: sonographic finding of ventricular asymmetry in neonatal brain, (ab), Radiology 1990; 175: 591

Shen JF See **Hecht AH**

Shen JF See **Nosel W**

Shen J-F See **Tan A**

Shen R-N; Hornback NB; Lu L; et al: low dose total body irradiation: a potent anti-retroviral agent *in vivo*, Int J Radiat Oncol Biol Phys 1989; 16: 165

Shen R-N; Hornback NB; Shidnia H; et al: whole body hyperthermia: a potent radioprotector *in vivo*, Int J Radiat Oncol Biol Phys 1991; 20: 525

Shen T See **Weissleder R**

Shen W; Lee BI; Park H-M; et al: HIPDM-SPECT brain imaging in the presurgical evaluation of patients with intractable seizures, J Nucl Med 1990; 31: 1280

Shen Y; Yang X-Y; Zhan Q-M; et al: use of Chinese herb medicine in experimental radiotherapy, Int J Radiat Oncol Biol Phys 1989; 16: 347

Shennan AT See **Dunn MS**

Shennan AT; Dunn MS; Ohlsson A; et al: abnormal pulmonary outcomes in premature infants: prediction from oxygen requirement in the neonatal period, (ab), Radiology 1989; 171: 888

Shennib H See **Nguyen DM**

Shenouda NF; Hyams BB; Rosenbloom MB: evaluation of Spigelian hernia by CT, JCAT 1990; 14: 777

Shenoy PD; Lakhkar BN; Ghosh MK; et al: cutaneous seeding of renal carcinoma by Chiba needle aspiration biopsy: case report, Acta Radiol 1991; 32: 50

Shen-Ru L See **Ji-Rong S**

Shentall G See **Tate T**

Shepard JO See **Moore EH**

Shepard JO See **Schaefer CM**

Shepard MJ See **Kovalic JJ**

Shepherd DFC See **Rawlinson J**

Shepherd FA See **Houle S**

Shepherd FA; Ginsberg RJ; Patterson GA; et al: prospective study of adjuvant surgical resection after chemotherapy for limited small cell lung cancer, (ab), Radiology 1989; 173: 290

Shepherd JD See **Graham NJ**

Shepherd JK; Hall-Craggs MA; Finn JP; et al: sedation in children scanned with high-field magnetic resonance; the experience at The Hospital for Sick Children, Great Ormond Street, Br J Radiol 1990; 63: 794

Sheppard B See **Baumgartner F**

Sheppard M See **Bowyer JJ**

Sher M; Lorigan JG; Ayala AG; et al: case repot 578, Skeletal Radiol 1990; 19: 131

Sherck JP; Oakes DD: intestinal injuries missed by computed tomography, (ab), Radiology 1990; 176: 587

Shereff MJ See **Erickson SJ**

Sherer DM See **Abramowicz JS**

Sherer DM See **Shechter SA**

Sherer DM; Abramowicz JS; Thompson HO; et al: comparison of transabdominal and endovaginal sonographic approaches in the diagnosis of a case of cervical pregnancy successfully treated with methotrexate, J Ultrasound Med 1991; 10: 409

Sherer DM; Allen T; Singh GS; et al: transvaginal sonographic diagnosis of an unruptured interstitial pregnancy, JCU 1990; 18: 582

Sherer DM; Allen T; Woods J Jr: transvaginal sonographic diagnosis of a hydatidiform mole occurring two weeks after curettage for an incomplete abortion, JCU 1991; 19: 224

Sherer DM; Beyth Y: ultrasonographic diagnosis and assisted surgical management of hematotrachelos and hematometra due to uterine cervical atresia with associated vaginal agenesis, J Ultrasound Med 1989; 8: 321

Sherer DM; Cullen JBH; Thompson HO; et al: prenatal sonographic findings associated with a fetal horseshoe kidney, J Ultrasound Med 1990; 9: 477

Sherer DM; Liberto L; Abramowicz JS; et al: endovaginal sonographic features associated with isolated torsion of the fallopian tube, J Ultrasound Med 1991; 10: 107

Sherer DM; Liberto L; Woods JR Jr: preoperative sonographic diagnosis of a unilateral tubal twin gestation with documented fetal heart activity, J Ultrasound Med 1990; 9: 729

Sherer DM; Menashe M; Lebensart P; et al: sonographic diagnosis of unilateral fetal renal duplication with associated ectopic ureterocele, JCU 1989; 17: 371

Sherer DM; Shah YG; Eggers PC; et al: prenatal sonographic diagnosis and subsequent management of fetal adnexal torsion, J Ultrasound Med 1990; 9: 161

Sherer DM; Smith SS; Metlay LA; et al: sonographic and pathologic features of a circumvallate placenta associated with early amnion rupture, JCU 1991; 19: 241

Sherer DM; Thompson HO; Armstrong B; et al: prenatal sonographic diagnosis of unilateral fetal renal agenesis, JCU 1990; 18: 648

Sherer DM; Woods JR Jr: second trimester sonographic diagnosis of fetal congenital diaphragmatic hernia, with spontaneous resolution during the third trimester, resulting in a normal infant at delivery, JCU 1991; 19: 298

Sheridan J; Hyde I: oesophageal stenosis distal to oesophageal atresia, Clin Radiol 1990; 42: 274

Shermak M See **Kuhlman JE**

Sherman JL See **Hopper KD**

Sherman JL; Camponovo E; Citrin CM: MR imaging of CSF-like choroidal fissure and parenchymal cysts of the brain, AJNR 1990; 11: 939

Sherman JL; Camponovo E; Citrin CM: MR imaging of CSF-like choroidal fissure and parenchymal cysts of the brain, AJR 1990; 155: 1069

Sherman JL; Nassaux PY; Citrin CM: measurements of the normal cervical spinal cord on MR imaging, AJNR 1990; 11: 369

Sherman JL; Stern BJ: sarcoidosis of the CNS: comparison of unenhanced and enhanced MR images, AJNR 1990; 11: 915

Sherman JL; Stern BJ: sarcoidosis of the CNS: comparison of unenhanced and enhanced MR images, AJR 1990; 155: 1293

Sherman NE; Rich TA; Peters LJ: professional liability in radiotherapy: experience of the Fletcher Society, Int J Radiat Oncol Biol Phys 1991; 20: 563

Sherman NE; Romsdahl M; Evans H; et al: desmoid tumors: a 20-year radiotherapy experience, Int J Radiat Oncol Biol Phys 1990; 19: 37

Sherman O See **Rafii M**

Sherman P See **DaPonte JS**

Sherman S; Skoney JA; Ravikrishnan KP: routine chest radiographs in exacerbations of chronic obstructive pulmonary disease: diagnostic value, (ab), Radiology 1990; 175: 883

Sherouse GW See **Rosenman J**

Sherouse GW See **Sailer SL**

Sherouse GW; Bourland JD; Reynolds K; et al: virtual simulation in the clinical setting: some practical considerations, Int J Radiat Oncol Biol Phys 1990; 19: 1059

Sherouse GW; Chaney EL: portable virtual simulator, Int J Radiat Oncol Biol Phys 1991; 21: 475

Sherouse GW; Novins K; Chaney EL: computation of digitally reconstructed radiographs for use in radiotherapy treatment design, Int J Radiat Oncol Biol Phys 1990; 18: 651

Sherrier RH See **Chiles C**

Sherrier RH; Chiles C; Newman GE: chronic multiple pulmonary emboli: regional response of the bronchial circulation, Invest Radiol 1989; 24: 437

Sherrier RH; Chiles C; Roggli V: pulmonary lymphangioleiomyomatosis: CT findings, AJR 1989; 153: 937

Sherry CS; Harms SE: MR imaging of pseudoaneurysms in aortocoronary bypass graft, JCAT 1989; 13: 426

Sherwood JW See **Yao L**

Sherwood JW; Wagle WA: hemolytic uremic syndrome: MR findings of CNS complications, AJNR 1991; 12: 703

Sherwood K See **Winkler SS**

Sherwood T See **Padley S**

Sheth D See **Chandramouly BS**

Sheth S See **Brammer HM III**

Sheth S See **Hamper UM**

Sheth S See **Savader BL**

Sheth S See **Scatarige JC**

Sheth S; Hamper UM; Walsh PC; Holtz PM; Epstein JI: stage A adenocarcinoma of the prostate: transrectal US and sonographic-pathologic correlation, Radiology 1991; 179: 35

Shevde K See **Rosenblatt M**

Shevlin BE; Mittal BB; Brand WN; et al: role of adjuvant irradiation following primary prostatectomy, based on histopathologic extent of tumor, Int J Radiat Oncol Biol Phys 1989; 16: 1425

Shewach DS See **Bruso CE**

Shewach DS See **Lawrence TS**

Shewchun J See **Sniderman KW**

Shewchun J; Sniderman KW: fibrinolytic therapy in peripheral arterial grafts utilizing the "crossed two catheter" technique, Cardiovasc Intervent Radiol 1989; 12: 110

Shibamoto Y See **Kagiya T**

Shibamoto Y See **Kitakabu Y**

Shibamoto Y; Manabe T; Baba N; et al: high dose, external beam and intraoperative radiotherapy in the treatment of resectable and unresectable pancreatic cancer, Int J Radiat Oncol Biol Phys 1990; 19: 605

Shibamoto Y; Nishimoto S-I; Shimokawa K; et al: characteristics of fluorinated nitroazoles as hypoxic cell radiosensitizers, Int J Radiat Oncol Biol Phys 1989; 16: 1045

Shibamoto Y; Takahashi M; Dokoh S; et al: radiation therapy for brain stem tumor with special reference to CT feature and prognosis correlations, Int J Radiat Oncol Biol Phys 1989; 17: 71

Shibata D See **DeLaPaz RL**

Shibata K See **Sone S**

Shibata T See **Sagoh T**

Shibata T See **Togashi K**

Shibata T See **Yamamoto K**

Shibata T; Noma S; Nakano Y; et al: primary thyroid lymphoma: MR appearance, JCAT 1991; 15: 629

Shible O See **Elgazzar AH**

Shibuya H See **Hisamitsu S**

Shibuya H See **Hoshina M**

Shibuya H See **Umehara I**

Shibuya H; Yasumoto M; Gomi N; et al: CT features in second cancers of the maxillary sinus, Acta Radiol 1991; 32: 105

Shichijo Y See **Furui S**

Shidnia H See **Shen R-N**

Shields AF; Lim K; Grierson J; et al: utilization of labeled thymidine in DNA synthesis: studies for PET, J Nucl Med 1990; 31: 337

Shields TW See **Karrer K**

Shields TW: significance of ipsilateral mediastinal lymph node metastasis (N2 disease) in non-small cell carcinoma of the lung: a commentary, (ab), Radiology 1990; 176: 886

Shiels WE II; Babcock DS; Wilson JL; et al: localization and guided removal of soft-tissue foreign bodies with sonography, AJR 1990; 155: 1277

Shiels WE II; Bisset GS III; Kirks DR: simple device for air reduction of intussusception, Pediatr Radiol 1990; 20: 472

Shiels WE II; Johnson JF; Stephenson SR; et al: chronic torsion of the wandering spleen, Pediatr Radiol 1989; 19: 465

Shiels WE II; Maves CK; Hedlund GL; Kirks DR: air enema for diagnosis and reduction of intussusception: clinical experience and pressure correlates, Radiology 1991; 181: 169

Shier CK See **Ellis BI**

Shier CK See **Katz ME**

Shier CK; Thrall JH; Kottamasu SR; Krasicky GA; Ellis BI: diaphyseal bone disease: scintigraphic-radiographic correlation, Radiographics 1989; 9: 129

Shiga H See **Momoshima S**

Shigematsu N See **Ito H**

Shigeta H See **Sone S**

Shih S-L; Lin JC-T; Chen B-F; et al: extralobar pulmonary sequestration of the left retroperitoneum, Australas Radiol 1990; 34: 356

Shih W-J See **Fockele DS**

Shih W-J See **Joyce JM**

Shih W-J; Cottrill CM; Coupal JJ; et al: iodine-123-HIPDM lung imaging in pulmonary vein-banded pulmonary hypertension, J Nucl Med 1990; 31: 668

Shih W-J; Coupal JJ; Magoun S; et al: I-123 HIPDM planar brain images demonstrating crossed cerebellar diaschisis, Clin Nucl Med 1990; 15: 34

Shih W-J; Dekosky ST; Coupal JJ; et al: I-123 hydroxyiodobenzyl propanediamine (HIPDM) cerebral blood flow imaging demonstrating transtentorial diaschisis, Clin Nucl Med 1990; 15: 623

Shih W-J; Duff D; Mostowycz L: bile leakage accumulating in the gallbladder bed mimicking normal visualization of gallbladder in technetium-99m DISIDA hepatobiliary imaging, Clin Nucl Med 1989; 14: 222

Shih W-J; Flueck J; O'Connor W; et al: extensive extraosseous localization of bone imaging agent in a patient with renal failure and rhabdomyolysis accompanied by combined hypercalcemia and hyperphosphatemia, Clin Nucl Med 1989; 14: 163

Shih W-J; Fockele DS: enterogastric reflux demonstrated by radionuclide hepatobiliary scintigraphy, Semin Nucl Med 1990; 20: 367

Shih W-J; Magoun S: cholescintigraphic demonstration of biliary fistula and of normalization after choledochoduodenostomy and correction of common bile duct obstruction, Clin Nucl Med 1991; 16: 599

Shih W-J; Pulmano C: extrarenal abnormalities seen in ^{99m}Tc DTPA renal flow study, Semin Nucl Med 1989; **19:** 69

Shih W-J; Pulmano C: hand and forearm Tc-99m HMDP bone image findings of reflex sympathetic dystrophy similar to those of radiopharmaceutical arterial administration in the arm, Clin Nucl Med 1989; **14:** 298

Shih W-J; Riley C: examples of complementary roles of abdominal CT and radiocolloid liver imaging, Clin Nucl Med 1989; **14:** 532

Shih W-J; Wierzbinski B; Collins J; et al: correlation of prostate-specific antigen and technetium-99m HMDP bone imaging, Clin Nucl Med 1990; **14:** 750

Shih W-J; Wierzbinski B; Collins J; et al: serum osteocalcin measurements in prostate carcinoma patients with skeletal deposits shown by bone scintigram: comparison with serum PSA/PAP measurements, J Nucl Med 1990; **31:** 1486

Shiina S; Aoyama H; Shiratori Y; et al: ultrasound-guided percutaneous injection of ethanolamine oleate for hypersplenism: an experimental study in dogs, Invest Radiol 1990; **25:** 651

Shiina S; Tagawa K; Unuma T; et al: percutaneous ethanol injection therapy for neoplasms located on the surface of the liver, AJR 1990; **155:** 507

Shiina S; Tagawa K; Unuma T; et al: percutaneous ethanol injection therapy for the treatment of hepatocellular carcinoma, AJR 1990; **154:** 947

Shiina S; Tagawa K; Unuma T; et al: percutaneous ethanol injection therapy of hepatocellular carcinoma: analysis of 77 patients, AJR 1990; **155:** 1221

Shijo H; Hisano S; Sasaki H; et al: detection of pulmonary teleangiectasia using dynamic pulmonary perfusion imaging in patients with liver cirrhosis, Clin Nucl Med 1989; **14:** 179

Shijo H; Nakayama K; Sasaki H; et al: reversibility of pulmonary telangiectasia in liver cirrhosis evidenced by serial dynamic pulmonary perfusion imaging, Clin Nucl Med 1989; **14:** 909

Shikata J See **Takada T**

Shilong C; Taifu L; Zhenhua W; et al: DNA flow cytometric analysis of human nasopharyngeal carcinoma in nude mice, Int J Radiat Oncol Biol Phys 1989; **16:** 343

Shimabukuro K See **Ohshiro K**

Shimada T See **Nakao N**

Shimakawa A See **Pelc NJ**

Shimakawa A See **Tsuruda JS**

Shimamura R See **Ishibashi H**

Shimauchi M; Wakisaka S; Kinoshita K: amnesia due to bilateral hippocampal glioblastoma: MRI finding, Neuroradiol 1989; **31:** 430

Shimazaki S See **Ino T**

Shimizu H; Yamasaki M; Ohama K; et al: characteristic ultrasonographic appearance of the Krukenberg tumor, JCU 1990; **18:** 697

Shimizu J See **Watanabe Y**

Shimizu K See **Tamada T**

Shimizu T See **Chigira M**

Shimkin PM See **Monteferrante ML**

Shimkin PM See **Sze G**

Shimm DS; Kittelson JM; Oleson JR; et al: interstitial thermoradiotherapy: thermal dosimetry and clinical results, Int J Radiat Oncol Biol Phys 1990; **18:** 383

Shimoda Y See **Murayama S**

Shimoda-Matsubayashi S; Kuru Y; Sumie H; et al: MRI findings in the mild type of mucopolysaccharidosis II (Hunter's syndrome), Neuroradiol 1990; **32:** 328

Shimojo H See **Niitsu M**

Shimokata K See **Watanabe A**

Shimokawa K See **Sasai K**

Shimokawa K See **Shibamoto Y**

Shimoni A See **Hellman C**

Shin A See **Ginsberg JS**

Shin JH; Oestmann J; Hall D; Cardenosa G; McCarthy KA; Mrose HE; Pile-Spellman E; Rubens JR; Greene RE: subtle gastric abnormalities in a canine model: detection with low-dose imaging with storage phosphors and its equivalence to conventional radiography, Radiology 1989; **172:** 399

Shin KH See **Ng TC**

Shin MS See **Alexander PW**

Shin MS; Berland LL; Ho K-J: small aorta: CT detection and clinical significance, JCAT 1990; **14:** 102

Shin MS; Berland LL; Myers JL; et al: CT demonstration of an ossifying bronchial carcinoid simulating broncholithiasis, AJR 1989; **153:** 51

Shin MS; Carpenter JT Jr; Ho K-J: epithelioid hemangioendothelioma: CT manifestations and possible linkage to vinyl chloride exposure, JCAT 1991; **15:** 505

Shin MS; Ho K-J: computed tomography of bronchiectasis in association with tuberculosis, Clin Imag 1989; **13:** 36

Shin MS; Liendo C; Ho K-J: pneumocystis carinii penumonia in an AIDS patient: unusual manifestation as multiple cavitary and noncavitary peripheral pulmonary modules and spontaneous pneumothorax, Clin Imag 1989; **13:** 225

Shindo J See **Higashi T**

Shindou H See **Yoshioka H**

Shine N; Xuan A; Weiner MW: ^{31}P NMR studies of ATP concentrations and P_i–ATP exchange in the rat kidney *in vivo*: effects of inhibiting and stimulating renal metabolism, Magn Res Med 1990; **14:** 445

Shinkwin M See **Zlatkin MB**

Shinkwin MA See **Lenkinski RE**

Shinnar M; Bolinger L; Leigh JS: synthesis of soft pulses with a specified frequency response, Magn Res Med 1989; **12:** 88

Shinnar M; Bolinger L; Leigh JS: use of finite impulse response filters in pulse design, Magn Res Med 1989; **12:** 81

Shinnar M; Eleff S; Subramanian H; et al: synthesis of pulse sequences yielding arbitrary magnetization vectors, Magn Res Med 1989; **12:** 74

Shinnar M; Leigh JS: application of spinors to pulse synthesis and analysis, Magn Res Med 1989; **12:** 93

Shino K See **Inoue M**

Shinohara K; Wheeler TM; Scardino PT; et al: appearance of prostate cancer on transrectal ultrasonography: correlation of imaging and pathological examinations, (ab), Radiology 1990; **174:** 899

Shinohara M See **Itoh K**

Shintani S; Kamaki M; Motohashi N; et al: tuberculous brain infection located in an old cerebral infarct: CT changes with successful conservative therapy, Neuroradiol 1990; **32:** 156

Shintani S; Kuzuhara S; Toyokura Y: MR imaging of persistent primitive trigeminal artery, Neuroradiol 1990; **32:** 79

Shinzato J See **Korogi Y**

Shiokawa O See **Uchino A**

Shiono T See **Yoshikawa K**

Shionoya S See **Kubota H**

Shioya S; Christman R; Ailion DC: *in vivo* NMR imaging determination of multiexponential Hahn T_2 of normal lung, Magn Res Med 1990; **16:** 49

Shioya S; Haida M; Fukuzaki M; et al: 1-year time course study of the relaxation times and histology for irradiated rat lungs, Magn Res Med 1990; **14:** 358

Shioya S; Haida M; Tsuji C; et al: T_2 of endotoxin lung injury with and without methylprednisolone treatment, Magn Res Med 1990; **15:** 201

Shiozaki H See **Takashima S**

Shipley RT See **Mahoney MC**

Shipley WU See **Sailer SL**

Shiraishi H See **Suzuki T**

Shirakawa T See **Tanioka H**

Shirakusa T See **Tsutsui M**

Shirakusa T; Ueda H; Saito T; et al: surgical treatment of pulmonary aspergilloma and *Aspergillus* empyema, (ab), Radiology 1990; **176:** 588

Shirane R See **Chang L-H**

Shirato H; Gaffney CC; Goodman GB: autoradiographic imaging of pion stopping distribution utilizing scanning laser stimulated luminescence, Br J Radiol 1989; **62:** 285

Shirato H; Gupta NK; Jordan TJ; et al: lack of late skin necrosis in man after high-dose irradiation using small field sizes: experiences of grid therapy, Br J Radiol 1990; **63:** 871

Shiratori Y See **Shiina S**

Shirazi P See **Ackerman L**

Shirazi P See **Bushnell DL**

Shires GT III See **Leitman IM**

Shirkhoda A See **David R**

Shirkhoda A See **Farah MC**

Shirkhoda A See **Kumar R**

Shirkhoda A See **Lorigan JG**

Shirkhoda A See **Pan G**

Shirkhoda A See **Tien R**

Shirkhoda A: diagnostic pitfalls in abdominal CT, Radiographics 1991; **11:** 969

Shirkhoda A; Peuchot M: extraosseous Ewing's sarcoma: computed tomography evaluation before and after chemotherapy, Clin Imag 1989; **13:** 142

Shirkhoda A; Ros PR; Farah J; et al: lymphoma of the solid abdominal viscera, Radiol Clin North Am 1990; **28:** 785

Shishido F See **Higano S**

Shishido F See **Ogawa T**

Shishido T See **Okazaki H**

Shitara N See **Kitanaka C**

Shiu AS See **Hogstrom KR**

Shiu AS; Hogstrom KR: dose in bone and tissue near bone-tissue interface from electron beam, Int J Radiat Oncol Biol Phys 1991; **21:** 695

Shiu MH See **Lawrence M**

Shiu MH See **Nori D**

Shiu MH See **Zelefsky MJ**

Shiu W See **Leung SF**

Shiu W See **Teo P**

Shiv VK; Jain AK; Taneja K; et al: sonography of hip joint in infective arthritis, J Canad Assoc Radiol 1990; **41:** 76

Shivaramakrishnan K; Tretiak OJ: database management in autoradiography, Comput Med Imag Graph 1989; **13:** 115

Shively BK: transesophageal echocardiography in the assessment of aortic pathology, J Thorac Imag 1990; **5–4:** 40

Shkolnik A See **Slovis TL**

Shkolnik A See **West MS**

Shlansky-Goldberg RD See **Kurtz AB**

Shlomo IB See **Marmor A**

Shmoys S See **Petrikovsky BM**

Shmulewitz A; Heyman Z; Walach E; et al: ultrasonic attenuation maps of liver based on a conventional B-scan and an amplitude loss technique, Invest Radiol 1990; **25:** 1095

Shneidman R See **Binmoeller KF**

Shnier R; Parker GD; Hallinan JM; et al: orbital varices: a new technique for noninvasive diagnosis, AJNR 1991; **12:** 717

Sho C See **Miyazawa T**

Shochat SJ See **Sze DY**

Shoemaker D See **Chabner BA**

Shoemaker DW; Slavin JD Jr; Spencer RP: detection of metastatic thyroid carcinoma on renal dynamic study, Clin Nucl Med 1990; **15:** 193

Shoemaker EI See **Kricun R**

Shoenfield R See **Trent MS**

Shoenut JP See **Semelka RC**

Shogry MEC; Armstrong P: case report 630, Skeletal Radiol 1990; **19:** 465

Shogry MEC; Pope TL Jr: vacuum phenomenon simulating meniscal or cartilaginous injury of the knee at MR imaging, Radiology 1991; **180:** 513

Shoham (Schwartz) Z See **Caspi B**

Shohat M; Gruber HE; Pagon RA; et al: geleophysic dysplasia: a storage disorder affecting the skin, bone, liver, heart, and trachea, (ab), Radiology 1991; **180:** 296

Shoji H; Hirai S; Ishikawa K; et al: CT and MR imaging of acute cerebellar ataxia, Neuroradiol 1991; **33:** 360

Shoji H; Murakami T; Murai I; et al: follow-up study by CT and MRI in 3 cases of Japanese encephalitis, Neuroradiol 1990; **32:** 215

Shono T; Okadome K; Naritomi G; et al: Raynaud's disease in childhood with radiological features, Br J Radiol 1990; **63:** 364

Short BL See **Taylor GA**

Short WB See **Wiseman DA**

Shorter RG See **Fleming JL**

Shorter RG See **Hay JE**

Shortland AP; Cochrane T: Doppler spectral waveform generation *in vitro*: an aid to diagnosis of vascular disease, Ultrasound Med Biol 1989; **15:** 737

Shortsleeve M See **Mueller PR**

Shortsleeve MJ; Wilson ME; Finklestein M; et al: radiologic findings in hemorrhagic colitis due to *Escherichia coli* 0157:H7, Gastrointest Radiol 1989; **14:** 341

Shorvon PJ See **Donald JJ**

Shorvon PJ See **Hawkins SP**

Shorvon PJ: endoscopic ultrasound in oesophageal cancer: the way forward?, Clin Radiol 1990; **42:** 149

Shorvon PJ; McHugh S; Diamant NE; et al: defecography in normal volunteers: results and implications, (ab), Radiology 1990; **175:** 882

Shostak CA See **Ortin TTS**

Shoubridge EA See **Arnold DL**

Shoung H-M See **Teng MMH**

Shoval Y See **Greenstein A**

Shpall S See **Steinbach LS**

Shreck EH See **Zwanger-Mendelsohn S**

Shreeve WW See **Cabahug CJ**

Shreeve WW See **Jaikishen P**

Shrivastav S; Schlom J; Raubitschek A; et al: studies concerning the effect of external irradiation on localization of radiolabeled monoclonal antibody B72.3 to human colon carcinoma xenografts, Int J Radiat Oncol Biol Phys 1989; **16:** 721

Shrivastava P; Luk K; Oleson J; et al: hyperthermia quality assurance guidelines, Int J Radiat Oncol Biol Phys 1989; **16:** 571

Shrivastava PN See **Paliwal BR**

Shrivastava S See **Sharma S**

Shtern F; Garrido L; Compton C; Swiniarski JK; Lauffer RB; Brady TJ: MR imaging of blood-borne liver metastases in mice: contrast enhancment with Fe-EHPG, Radiology 1991; **178:** 83

Shu MCS See **Rittgers SE**

Shuaib A; Hachinski VC: migraine and the risks from angiography, (ab), Radiology 1989; **171:** 295

Shub C See **Matthay RA**
Shubhra See **Buxi TBS**
Shugar JMA See **Norton KI**
Shuke N See **Aburano T**
Shuke N See **Tonami N**
Shulak JM; O'Donovan PB; Paushter DM; et al: color flow Doppler of carotid body paraganglioma, J Ultrasound Med 1989; **8:** 519
Shulkin BL See **Castle VP**
Shulkin BL See **Fig LM**
Shulkin BL See **Stewart RE**
Shulman H See **Catton C**
Shulman LP See **Brown DL**
Shulman RG See **Gruetter R**
Shulman RG See **Pan JW**
Shultz PK; Strife JL; Strife CF; McDaniel JD: hyperechoic renal medullary pyramids in infants and children, Radiology 1991; **181:** 163
Shuman WP See **Baron RL**
Shuman WP See **Ekstrom JE**
Shuman WP See **Kilcoyne RF**
Shuman WP See **Liddell RM**
Shuman WP See **Patten RM**
Shuman WP See **Rusch VW**
Shuman WP See **Teefey SA**
Shuman WP See **Varnell RM**
Shuman WP; Baron RL; Peters MJ; et al: comparison of STIR and spin-echo MR imaging at 1.5 T in 90 lesions of the chest, liver, and pelvis, AJR 1989; **152:** 853
Shuman WP; Lambert DT; Patten RM; Baron RL; Tazioli PK: improved fat suppression in STIR MR imaging: selecting inversion time through spectral display, Radiology 1991; **178:** 885
Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML: comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Radiology 1991; **179:** 247
Shu-Mo C; Xiang-E W; Qi W: high dose-rate afterloading in the treatment of cervical cancer of the uterus, Int J Radiat Oncol Biol Phys 1989; **16:** 335
Shung K See **Bleeker H**
Shung KK See **Yuan Y-W**
Shupak K See **Nori D**
Shuper A; Levitzky HI; Cornblath DR: early invasive CNS aspergillosis: an easily missed diagnosis, Neuroradiol 1991; **33:** 183
Shuster JJ See **Spanier SS**
Shusterman N See **Berman C**
Shvil Y See **Korman SH**
Shwendeman LJ See **Beltran J**
Shyn PB See **Bluth EI**
Siala M See **Hendaoui L**
Sialer G See **Koch E**
Sibata CH; Mota HC; Higgins PD; et al: influence of hip prostheses on high energy photon dose distributions, Int J Radiat Oncol Biol Phys 1990; **18:** 455
Sibeldina LA See **Knubovets TL**
Sibille Y See **Trigaux J-PP**
Sica GT; Norton KI: intracranial human immunodeficiency virus infection in an infant: sonographic findings, Pediatr Radiol 1990; **21:** 64
Sickels WJ See **Yuh WTC**
Sickles EA See **Brenner RJ**
Sickles EA See **Linden SS**
Sickles EA See **Monticciolo DL**
Sickles EA: breast masses: mammographic evaluation, Radiology 1989; **173:** 297
Sickles EA: combining spot-compression and other special views to maximize mammographic information, Radiology 1989; **173:** 571
Sickles EA: imaging insights: breast calcifications—parenchymal or dermal?, (ab), Radiology 1991; **178:** 588
Sickles EA: imaging insights: the breast lesion seen in only one view, (ab), Radiology 1990; **177:** 291
Sickles EA: medical audit of a rapid-throughput mammography screening practice: reply, Radiology 1991; **178:** 285
Sickles EA: periodic mammographic follow-up of probably benign lesions: results in 3,184 consecutive cases, Radiology 1991; **179:** 463
Sickles EA: periodic mammographic follow-up of probably benign lesions: reply, Radiology 1991; **181:** 905
Sickles EA: subtle and atypical mammographic features of invasive lobular carcinoma, Radiology 1991; **178:** 25
Sickles EA: usefulness of computers in managing the operation of a mammography screening practice, AJR 1990; **155:** 755
Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C: breast imaging, RSNA '88 meeting notes, Radiology 1989; **170:** 599
Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C: breast imaging: RSNA '89 meeting notes, Radiology 1990; **174:** 906
Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C: breast imaging, RSNA '90 meeting notes, Radiology 1991; **178:** 597
Sickles EA; Ominsky SH; Sollitto RA; Galvin HB; Monticciolo DL: medical audit of a rapid-throughput mammography screening practice: methodology and results of 27,114 examinations, Radiology 1990; **175:** 323
Sicular A See **Keller RJ**
Siddik ZH See **Wondergem J**
Siddiqi TA; O'Brien WD Jr; Meyer RA; et al: *in situ* exposimetry: the ovarian ultrasound examination, Ultrasound Med Biol 1991; **17:** 257
Siddiqui A See **Hurwitz RA**
Siddiqui AR See **Park HM**
Siddle KJ; Sim L: radiation dose to the lens of the eye during computerised tomography examinations of the orbit, the pituitary fossa and the brain on a General Electric 9800 Quick C.T. scanner, Australas Radiol 1990; **34:** 326
Siddle KJ; Sim LH; Case CC: radiation doses to the lens of the eye during computerised tomography of the orbit: a comparison of four modern computerised tomography units, Australas Radiol 1990; **34:** 323
Siddon RL See **Chin LM**
Siddon RL See **Loeffler JS**
Sider L: radiographic manifestations of primary bronchogenic carcinoma, Radiol Clin North Am 1990; **28:** 583
Sider L; Horton ES Jr: hilar and mediastinal adenopathy in sarcoidosis as detected by computed tomography, J Thorac Imag 1990; **5-2:** 77
Sider L; Horton ES Jr: pleural effusion as a presentation of AIDS-related lymphoma, Invest Radiol 1989; **24:** 150
Sider L; Rogers LF: value of a structured course for an elective in radiology for senior medical students, Invest Radiol 1989; **24:** 412
Sider L; Weiss AJ; Smith MD; VonRoenn JH; Glassroth J: varied appearance of AIDS-related lymphoma in the chest, Radiology 1989; **171:** 629
Siders DB See **Lee F Jr**
Siders DB See **Torp-Pedersen ST**
Sidhu M See **Rubin DL**
Sidrys J See **Tran L**
Sie A; Johnson MB; Lee KP; et al: color Doppler sonography in spontaneous splenorenal portosystemic shunts, J Ultrasound Med 1991; **10:** 167
Siebecker DA See **Kalofonos HP**
Siebert JE See **Pernicone JR**
Sieberth HG See **Günther RW**
Siegal A See **Schachor Y**
Siegel A See **Alavi A**
Siegel BA See **Gropler RJ**
Siegel BA See **Hardy DC**
Siegel BA See **Horstman WG**
Siegel BA See **McGuire AH**
Siegel BA See **Middleton WD**
Siegel EL See **Batnitzky S**
Siegel EL See **Lee KR**
Siegel EL See **Murphey MD**
Siegel EL; Bishop MD; Wetzel LH; et al: hardcopy recording technologies for digitally formatted image data, Invest Radiol 1991; **26:** 179
Siegel EL; Cook LT; Parsa MB: conventional screen/film vs reduced exposure photostimulable phosphor plate imaging in lower extremity venography: an ROC analysis, AJR 1991; **156:** 1095
Siegel EL; Rosenthal SJ; Gold RE; et al: interactive grayscale display workstations, Invest Radiol 1991; **26:** 479
Siegel IM See **Bárány M**
Siegel JA See **Maurer AH**
Siegel JA See **Urbain JL**
Siegel JA; Krevsky B; Maurer AH; et al: scintigraphic evaluation of gastric emptying: are radiolabeled solids necessary?, Clin Nucl Med 1989; **14:** 40
Siegel JB See **Edelman RR**
Siegel JB See **Kim D**
Siegel JB See **Porter DH**
Siegel JB; Kim D; Porter DH: embolization hazard of hydrophilic guide wires, Radiology 1989; **171:** 582
Siegel ME See **Arnstein NB**
Siegel ME See **Glaser AM**
Siegel ME See **Stewart CA**
Siegel ME See **Yeo E**
Siegel MJ See **DiSantis DJ**
Siegel MJ See **Glazer HS**
Siegel MJ See **Hauft SM**
Siegel MJ See **Herman TE**
Siegel MJ See **Kountz PD**
Siegel MJ See **Molina PL**
Siegel MJ See **Moore SG**
Siegel MJ See **Osborn AG**
Siegel MJ See **Shackelford GD**
Siegel MJ See **Sisler CL**
Siegel MJ See **Surratt JT**
Siegel MJ: pediatric gynecologic sonography, Radiology 1991; **179:** 593
Siegel MJ; Balfe DM: blunt renal and ureteral trauma in childhood: CT patterns of fluid collections, AJR 1989; **152:** 1043
Siegel MJ; Glazer HS; St. Amour TE; Rosenthal DD: lymphangiomas in children: MR imaging, Radiology 1989; **170:** 467
Siegel MJ; Glazer HS; Wiener JI; Molina PL: normal and abnormal thymus in childhood: MR imaging, Radiology 1989; **172:** 367
Siegel SE See **Balthazar EJ**
Siegelbaum MH See **Baer HM**
Siegelman ES See **Mitchell DG**
Siegelman ES; Mishkin MM; Taveras JM: radiologic history exhibit: past, present, and future of radiology of meningioma, Radiographics 1991; **11:** 899
Siegelman ES; Mitchell DG; Rubin R; Hann H-WL; Kaplan KR; Steiner RM; Rao VM; Schuster SJ; Burk DL Jr; Rifkin MD: parenchymal versus reticuloendothelial iron overload in the liver: distinction with MR imaging, Radiology 1991; **179:** 361
Siegelman SS See **Balakrishnan J**
Siegelman SS See **Campbell RE**
Siegelman SS See **Fishman EK**
Siegelman SS See **Heitzman ER**
Siegelman SS See **Kuhlman JE**
Siegelman SS See **Magid D**
Siegelman SS See **Zylak CJ**
Siegelman SS: abstractors of current literature, Radiology 1989; **170:** 158
Siegelman SS: abstractors of current literature, Radiology 1990; **174:** 48
Siegelman SS: Abstractors of Current Literature 1990, Radiology 1991; **178:** 62
Siegelman SS: assassins and zealots: variations in peer review. special report, Radiology 1991; **178:** 637
Siegelman SS: CT-van Gogh correlations: reply, Radiology 1991; **178:** 286
Siegelman SS: editor's page, Radiology 1989; **172:** 20
Siegelman SS: editor's page: *Radiology's* most prolific reviewers, Radiology 1989; **173:** 217
Siegelman SS: editor's page: *Radiology* statement of purpose 1990, Radiology 1989; **173:** 467
Siegelman SS: Editor's Recognition Awards, Radiology 1989; **170:** 28
Siegelman SS: Editor's Recognition Awards, Radiology 1990; **174:** 24
Siegelman SS: Editor's Recognition Awards, Radiology 1991; **178:** 18
Siegelman SS: *Radiology* editorial board, Radiology 1990; **174:** 30
Siegelman SS: *Radiology* Editorial Board, Radiology 1991; **178:** 36
Siegelman SS; Griffiths HJ: book reviewers 1988, Radiology 1989; **170:** 54
Siegelman SS; Griffiths HJ: book reviewers 1989, Radiology 1990; **174:** 72
Siegelman SS; Griffiths HJ: Book Reviewers 1990, Radiology 1991; **178:** 48
Siegle RL See **Clarke EA**
Siegle RL; Halvorsen RA; Dillon J; et al: use of iohexol in patients with previous reactions to ionic contrast material: a multicenter clinical trial, Invest Radiol 1991; **26:** 411
Siegle RL; Silvay-Mandeau O: ongoing clinical trial of iohexol in previous contrast-material reactors, Invest Radiol 1990; **25:** S24
Siemann DW See **Chapuis J-C**
Siemann DW See **Keng PC**
Siemann DW See **Lee FYF**
Siemann DW: chemosensitizing and cytotoxic effects of RSU 1164 and RSU 1165 in a murine tumor model, Int J Radiat Oncol Biol Phys 1989; **16:** 1115
Siemann DW; Alliet KL; Macler LM: manipulations in the oxygen transport capacity of blood as a means of sensitizing tumors to radiation therapy, Int J Radiat Oncol Biol Phys 1989; **16:** 1169
Siemann DW; Chapman M; Beikirch A: effects of oxygenation and pH on tumor cell response to alkylating chemotherapy, Int J Radiat Oncol Biol Phys 1991; **20:** 287
Siemann DW; Flaherty AA; Penney DP: effect of thiol manipulation on chemopotentiation by nitroimidazoles, Int J Radiat Oncol Biol Phys 1989; **16:** 1341
Siena S See **Gandola L**
Sieper J See **König H**
Sierra AE See **Potchen EJ**
Sierrasesúmaga L See **Calvo FA**
Sieverding L; Klose U; Apitz J: morphological diagnosis of congenital and acquired heart disease by magnetic resonance imaging, Pediatr Radiol 1990; **20:** 311
Sievers KW See **Cazenave CR**
Sievers KW; Löhr E; Werner WR: duplex Doppler ultrasound in determination of renal artery stenosis, Urol Radiol 1989; **11:** 142
Sievers R See **Berthezene Y**
Sievers RE See **Schmiedl U**
Sievers RE; Schmiedl U; Wolfe CL; et al: model of acute regional myocardial ischemia and reperfusion in the rat, Magn Res Med 1989; **10:** 172

Sievers RS See **Jaschke W**
Siffring PA See **Schutz K**
Siffring PA; Forrest TS; Frick MP: hernias of the inferior lumbar space: diagnosis with US, Radiology 1989; **170:** 190
Siffring PA; Forrest TS; Frick MP: sonographic detection of hydrolethalus syndrome, JCU 1991; **19:** 43
Siffring PA; Forrest TS; Hill WC; et al: prenatal sonographic diagnosis of bronchopulmonary foregut malformation, J Ultrasound Med 1989; **8:** 277
Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE; Cheng SC; Sketch MH; Frick MP: myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Radiology 1989; **173:** 769
Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE: myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress: reply, Radiology 1990; **175:** 877
Sigal R; d'Anthouard F; David P; et al: cystic schwannoma mimicking a brain stem tumor: MR features, JCAT 1990; **14:** 662
Sigal R; Denys A; Halimi P; et al: ventriculus terminalis of the conus medullaris: MR imaging in four patients with congenital dilatation, AJNR 1991; **12:** 733
Sigal R; Krief O; Houtteville JP; Halimi P; Doyon D; Pariente D: occult cerebrovascular malformations: follow-up with MR imaging, Radiology 1990; **176:** 815
Sigal SL; Soufer R; Fetterman RC; et al: reproducibility of quantitative planar thallium-201 scintigraphy: quantitative criteria for reversibility of myocardial perfusion defects, J Nucl Med 1991; **32:** 759
Sigel B See **Kurohiji T**
Sigel B See **Machi J**
Sigman RK See **Kushnir O**
Signer B: prominent ascending aorta, Semin Roentgenol 1989; **24:** 3
Signomklao T See **Rutqvist LE**
Sigurdsson GH See **Abdel-Dayem HM**
Sijens PE; Baldwin NJ; Ng TC: multinuclear MR investigation of the metabolic response of the murine RIF-1 tumor to 5-fluorouracil chemotherapy, Magn Res Med 1991; **19:** 373
Sijmons EA See **Bruinse HW**
Sikora K See **Thomas H**
Sikora K See **Wagner S**
Sikora K: imaging with radiolabelled monoclonal antibodies, Clin Radiol 1989; **40:** 332
Silbergeld J; Cohen WA; Maravilla KR; et al: supratentorial and spinal cord hemangioblastomas: gadolinium enhanced MR appearance with pathologic correlation, JCAT 1989; **13:** 1048
Silbergleit R See **Porter-Grenn LM**
Silbergleit R; Gebarski SS; Brunberg JA; et al: lumbar synovial cysts: correlation of myelographic, CT, MR, and pathologic findings, AJNR 1990; **11:** 777
Silbergleit R; Junck L; Gebarski SS; Hatfield MK: idiopathic intracranial hypertension (pseudotumor cerebri): MR imaging, Radiology 1989; **170:** 207
Silbergleit R; Steffey DJ; DeFilipp GJ; et al: cerebral distribution of contrast medium during slow intracarotid infusion, AJNR 1989; **10:** 1061
Silberman B See **Sirinelli D**
Silberstein EB See **Hagenauer M**
Silberstein EB See **Wulfeck DW**
Silberstein EB; Schroder LE: minimal bone scan findings in the presence of wide-spread osteoblastic disease on skeletal radiography, Clin Nucl Med 1990; **15:** 816
Silbiger ML See **Brown HK**
Šilc M See **Kenda R**
Silengo MC; Lerone M; Pelizza A; et al: new syndrome with cerebro-oculo-skeletal-renal involvement, Pediatr Radiol 1990; **20:** 612
Silfen D; Long WB; Alavi A: role of hepatobiliary imaging in the evaluation and management of patients with common bile duct gallstones, J Nucl Med 1991; **32:** 1261
Silfverswärd C See **Berg O**
Silfverswärd C See **Fürst CJ**
Silfverswärd C See **Larson B**
Silfverswärd C See **Österborg A**
Sillerud LO; Freyer JP; Neeman M; et al: proton NMR microscopy of multicellular tumor spheroid morphology, Magn Res Med 1990; **16:** 380
Silva E See **Tornos C**
Silva EG See **Morrison WH**
Silva WE See **Scatamacchia SA**
Silvay-Mandeau O See **Siegle RL**
Silvay-Mandeau O See **Wolf GL**
Silver B See **Bisceglia M**
Silver B See **Matalon TAS**
Silver B See **Metzger TS**
Silver B; Matalon TAS: US guidance of interventional procedures: reply, Radiology 1990; **176:** 290
Silver DI See **Kreipke DL**
Silver G See **Bennett FC**
Silver L See **Schiff RG**
Silver MM See **Eich GF**
Silver MS See **Edelman RR**
Silver P See **Levin VA**
Silver PJ See **Dundore RL**
Silver PR; Budin JA: unusual manifestations of renal artery aneurysms, Urol Radiol 1990; **12:** 80
Silver SF See **Harrison PB**
Silver SF; Connell DG; Duncan CP: case report 550, Skeletal Radiol 1989; **18:** 327
Silver SF; Grymaloski MR; Bosken CH; et al: clinico-radiologic-pathologic conference: pulmonary consolidation with an air crescent sign in an immunocompromised woman, J Canad Assoc Radiol 1989; **40:** 167
Silver SF; Müller NL; Miller RR; Lefcoe MS: hypersensitivity pneumonitis: evaluation with CT, Radiology 1989; **173:** 441
Silver SF; Siu CM; Switzer PJ: sonographic demonstration of heterotopic pregnancy: report of two cases, J Canad Assoc Radiol 1989; **40:** 316
Silver TM See **Helvie MA**
Silverberg J See **Arenson AM**
Silverman A See **Peterson NE**
Silverman E See **Goyer P**
Silverman ED See **Camponovo EJ**
Silverman FN: dysplasia epiphysealis hemimelica, Semin Roentgenol 1989; **24:** 246
Silverman JM: case report 659, Skeletal Radiol 1991; **20:** 149
Silverman JM; Mink JH; Deutsch AL: discoid menisci of the knee: MR imaging appearance, Radiology 1989; **173:** 351
Silverman ME See **DeMaio SJ Jr**
Silverman NH See **Barth RA**
Silverman NH See **Schmidt KG**
Silverman PM See **Ascher SM**
Silverman PM See **Garra BS**
Silverman PM See **West MS**
Silverman PM See **Zeman RK**
Silverman PM; McVay L; Zeman RK; et al: pancreatic pseudotumor in pancreas divisum: CT characteristics, JCAT 1989; **13:** 140
Silverman PM; Patt RH; Baum PA; et al: ghost artifact on gradient-echo imaging: a potential pitfall in hepatic imaging, AJR 1990; **154:** 633
Silverman PM; Patt RH; Garra BS; et al: MR imaging of the portal venous system: value of gradient-echo imaging as an adjunct to spin-echo imaging, AJR 1991; **157:** 297
Silverman SG See **Doubilet PM**
Silverman SG See **Hahn PF**
Silverman SG See **Mueller PR**
Silverman SG; Coughlin BF; Seltzer SE; Swensson RG; Mueller PR: current use of screening laboratory tests before abdominal interventions: a survey of 603 radiologists, Radiology 1991; **181:** 669
Silverman SG; Mueller PR; Pfister RC: hemostatic evaluation before abdominal interventions: an overview and proposal, AJR 1990; **154:** 233
Silverman SG; Pfister RC; Papanicolaou N; et al: migratory lobar nephronia, Urol Radiol 1989; **11:** 16
Silverman SG; Saini S; Mueller PR: pleural interventions: indications, techniques, and clinical applications, Radiol Clin North Am 1989; **27:** 1257
Silverman SH See **Seeger JM**
Silvers AR See **Shapiro RS**
Silvers RI See **Turner DA**
Silverstein AM; Hirsh DK; Trobe JD; et al: MR imaging of the brain in five members of a family with Pelizaeus-Merzbacher disease, AJNR 1990; **11:** 495
Silverstein AM; Quint DJ; McKeever PE: intradural paraganglioma of the thoracic spine, AJNR 1990; **11:** 614
Silverstein EA See **Spies SM**
Silverstein FE See **Martin RW**
Silverstein M See **Castillo M**
Silverstein MD See **Albert DA**
Silverstein MJ; Castillo M; Hudgins PA; et al: MR imaging of intralingual ranula in a child, JCAT 1990; **14:** 672
Silverstein MJ; Gamagami P; Colburn WJ; Gierson ED; Rosser RJ; Handel N; Waisman JR: nonpalpable breast lesions: diagnosis with slightly overpenetrated screen-film mammography and hook wire-directed biopsy in 1,014 cases, Radiology 1989; **171:** 633
Silverstein MJ; Waisman JR; Gamagami P; et al: intraductal carcinoma of the breast (208 cases): clinical factors influencing treatment choice, (ab), Radiology 1991; **178:** 292
Silverstein MJ; Waisman JR; Gierson ED; et al: radiation therapy for intraductal carcinoma: is it an equal alternative?, (ab), Radiology 1991; **181:** 293
Silverthorn KG; Houston CS; Newman DE; et al: radiographic findings in liveborn triploidy, Pediatr Radiol 1989; **19:** 237
Silvidi JA See **Loftus CM**
Silvino N See **Berger PE**
Sim DA See **Sykes HF**
Sim FH See **Young CL**
Sim FH; Kurt A-M; McLeod RA; et al: case report 628, Skeletal Radiol 1990; **19:** 457
Sim L See **Siddle KJ**
Sim LH See **Siddle KJ**
Sim S See **Kim SH**
Simeone JF See **Brink JA**
Simeone JF See **Burrell MI**
Simeone JF See **Kammer B**
Simeone JF See **Lee MJ**
Simeone JF See **Mueller PR**
Simeone JF; Brink JA; Mueller PR; et al: sonographic diagnosis of acute gangrenous cholecystitis: importance of the Murphy sign, AJR 1989; **152:** 289
Simeone JF; Mueller PR; Ferrucci JT: nonsurgical therapy of gallstones: implications for imaging, AJR 1989; **152:** 11
Simkin PA See **Downey DJ**
Simm FC See **Semelka RC**
Simma B; Felber S; Maurer H; et al: MR and ultrasound findings in a case of cerebro-oculo-muscular-syndrome, Pediatr Radiol 1990; **20:** 554
Simmonds RH; Hopewell JW; Robbins MEC: residual radiation-induced injury in dermal tissue: implications for retreatment, Br J Radiol 1989; **62:** 915
Simmons LB See **Zech ER**
Simmons MZ See **Cho KC**
Simmons R See **Skinner MA**
Simms SM See **Feczko PJ**
Simon AL See **Greenspan RH**
Simon C See **Bonilla-Musoles F**
Simon J See **Pacini R**
Simon JH See **Ketonen L**
Simon JH See **Lee DH**
Simon JH: radiologist and computer: a partnership in clinical radiology for the 1990s?, Radiology 1990; **175:** 321
Simon JH; Foster TH; Ketonen L; Totterman S; Szumowski J; Kido DK; Manzione JV Jr; Joy SE: reduced-bandwidth MR imaging of the head at 1.5 T, Radiology 1989; **172:** 771
Simon JH; Szumowski J: chemical shift imaging with paramagnetic contrast material enhancement for improved lesion depiction, Radiology 1989; **171:** 539
Simon M See **Kim D**
Simon M; Athanasoulis CA; Kim D; Steinberg FL; Porter DH; Byse BH; Kleshinski S; Geller S; Orron DE; Waltman AC: Simon nitinol inferior vena cava filter: initial clinical experience. work in progress, Radiology 1989; **172:** 99
Simon NV See **Stefos T**
Simon NV; Deter RL; Hassinger KK; et al: evaluation of fetal growth by ultrasonography in twin pregnancy: a comparison between individual and cross-sectional growth curve standards, JCU 1989; **17:** 633
Simon NV; Deter RL; Levisky JS; et al: influence of the interval between time points on individual fetal growth curve standards derived from Rossavik models and two ultrasound scans before 26 weeks, menstrual age, JCU 1989; **17:** 245
Simon NV; Deter RL; Shearer DM; et al: prediction of normal fetal growth by the Rossavik growth model using two scans before 27 weeks, menstrual age, JCU 1989; **17:** 237
Simon NV; O'Connor TJ III; Shearer DM: detection of intrauterine fetal growth retardation with abdominal circumference and estimated fetal weight using cross-sectional growth curves, JCU 1990; **18:** 685
Simon NV; Surosky BA; Shearer DM; et al: effect of the pretest probability of intrauterine growth retardation on the predictiveness of sonographic estimated fetal weight in detecting IUGR: a clinical application of Bayes' theorem, JCU 1990; **18:** 145
Simon P See **Pernot C**
Simon RH; Ho S-Y; D'Arrigo J; et al: lipid-coated ultrastable microbubbles as a contrast agent in neurosonography, Invest Radiol 1990; **25:** 1300
Simon T; Cuocolo A; Sandrock D; et al: renal scintigraphy in renovascular hypertension secondary to stenosis of a supplemental renal artery, J Nucl Med 1990; **31:** 674
Simon TR; Walker BS; Matthiesen S; et al: realistic dynamic cardiac phantom for evaluating radionuclide ventriculography: description and initial studies with the left ventricular chamber, J Nucl Med 1989; **30:** 542
Simonaitis A: idiopathic retroperitoneal fibrosis: past and present, Radiology 1990; **175:** 514
Simonaitis A: retroperitoneal fibrosis: a report of selected cases and a review of the literature, Radiology 1990; **175:** 514

Simons CE See **Palken M**
Simonsen E See **Malmström H**
Simonson JS See **Diethelm L**
Simovsky I See **Kramer D**
Simpkin D See **Holmes T**
Simpkins KC See **Gray C**
Simpkins KC: annual oration 1989: bring out your barium, J Canad Assoc Radiol 1989; **40:** 5
Simpson BB See **Young SW**
Simpson E See **Moody A**
Simpson IA See **Chung KJ**
Simpson JR See **Fields JN**
Simpson JR See **Grigsby PW**
Simpson JR See **Michalski JM**
Simpson JR; Bauer M; Perez CA; et al: radiation therapy alone or combined with misonidazole in the treatment of locally advanced non-oat cell lung cancer: report of an RTOG prospective randomized trial, Int J Radiat Oncol Biol Phys 1989; **16:** 1483
Simpson JR; Purdy JA; Manolis JM; et al: three-dimensional treatment planning considerations for prostate cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 243
Simpson KM See **Murphey MD**
Simpson W See **Parnell AP**
Simpson WA See **Harris RD**
Sims C; Manifold IH; Conway J: treatment of tumours of the parotid gland and middle ear using obliquely reconstructed computed tomographic images, Br J Radiol 1989; **62:** 785
Sims JE See **Chantelois AE**
Sims ME See **van de Bor M**
Šimunić S See **Radanovič B**
Sinai L See **Ben-Ami T**
Sinclair P See **Zamir M**
Sinclair WK: report no. 100 is published by the National Council on Radiation Protection and Measurements, Radiology 1989; **173:** 877
Siner BS See **Carlo WA**
Singcharoen T: unusual long bone changes in thalassaemia: findings on plain radiography and computed tomography, Br J Radiol 1989; **62:** 168
Singcharoen T; Chakkaphak K; Udompanich O: unusual magnetic resonance findings in Wilson's disease, Br J Radiol 1991; **64:** 752
Singer A See **Edelman RR**
Singer AA See **Einstein DM**
Singer H See **Deeg KH**
Singer J See **Flickinger JC**
Singer J See **Malpani A**
Singer J See **Vas W**
Singer J; Cole J; Vas W: bone marrow biopsy changes in the iliac bone mimicking multiple colonic polypi, Australas Radiol 1990; **34:** 262
Singer J; Joyce P; Brems J: basket removal of intraatrial catheter after liver transplantation: technical note, Cardiovasc Intervent Radiol 1989; **12:** 230
Singer J; McClennan BL: diagnosis, staging, and follow-up of carcinomas of the kidney, bladder, and prostate: the role of cross-sectional imaging, Semin US CT MR 1989; **10:** 481
Singer J; Suchet I; Horwitz T: paediatric Wegener's granulomatosis: two case histories and a review of the literature, Clin Radiol 1990; **42:** 50
Singer KP; Breidahl PD: vertebral body trabecular density at the thoracolumbar junction using quantitative computed tomography: a post-mortem study, Acta Radiol 1990; **31:** 37
Singer KP; Jones TJ; Breidahl PD; et al: comparison of radiographic and computer-assisted measurements of thoracic and thoracolumbar sagittal curvature, Skeletal Radiol 1990; **19:** 21
Singer WS See **Pay NT**
Singh A: impaired trapping of Tc-99m pertechnetate in the salivary glands of patients with congenital hypothyroidism, Clin Nucl Med 1990; **15:** 257
Singh A; Holmes RA; Farhangi M; et al: human pharmacokinetics of samarium-153 EDTMP in metastatic cancer, J Nucl Med 1989; **30:** 1814
Singh A; Valle G: pseudonormal hepatobiliary scintigraphy in a patient with a bile leak, Clin Nucl Med 1990; **15:** 843
Singh AD See **Varghese CV**
Singh AK See **Gupta RK**
Singh GS See **Sherer DM**
Singh H See **Aquino NM**
Singh I See **Hashmat AI**
Singh J See **Blower PJ**
Singh M See **Oshio K**
Singh M; Brechner RR: experimental test-object study of electronically collimated SPECT, J Nucl Med 1990; **31:** 178
Singh NR See **O'Neill BJ**
Singh RP See **Prakash R**
Singletary H See **Ragozzino MW**
Singletary SE See **Lamki LM**
Singleton E See **Pan G**
Singleton EB See **David R**
Singson RD See **Feldman F**
Singson RD; Feldman F; Staron R; et al: MR imaging of displaced bucket-handle tear of the medial meniscus, AJR 1991; **156:** 121
Singson RD; Feldman F; Staron R; et al: MRI of postamputation neuromas, Skeletal Radiol 1990; **19:** 259
Sinha J See **Jäger HR**
Sinha PP; Kandazari S: radiation therapy of early (stages I and II-A) seminoma of testis after initial orchiectomy, (ab), Radiology 1991; **180:** 589
Sinha S See **Farahani K**
Sinha U See **Farahani K**
Sinha U See **Taira RK**
Siniluoto T See **Päivänsalo M**
Siniluoto T See **Tikkakoski T**
Siniluoto T; Päivänsalo M; Lähde S: ultrasonography of splenic metastases, Acta Radiol 1989; **30:** 463
Sinitsyn VV; Mamontova AG; Checkneva YY; et al: rapid blood clearance of biotinylated IgG after infusion of avidin, J Nucl Med 1989; **30:** 66
Sinkin RA; Cox C; Phelps DL: predicting risk for bronchopulmonary dysplasia: selection criteria for clinical trials, (ab), Radiology 1991; **179:** 592
Sinner WN: transthoracic needle biopsy of small peripheral malignant lung lesions, Invest Radiol 1990; **25:** 402
Sinnett HD See **Cosgrove DO**
Sinnett HD See **Moskovic E**
Sinnwell T See **van Zijl PCM**
Sintzoff SA Jr See **Gevenois PA**
Sintzoff SA Jr; Avni EF; Rocmans P; et al: pulmonary sequestration-like anomaly presenting as a spontaneously resolving mass, Pediatr Radiol 1991; **21:** 143
Sintzoff SA Jr; Gevenois PA; Andrianne Y; Struyven J: transverse geniculate ligament of the knee: appearance at plain radiography, Radiology 1991; **180:** 259
Sinués B See **Nuñez ME**
Sinusas AJ; Beller GA; Smith WH; et al: quantitative planar imaging with technetium-99m methoxyisobutyl isonitrile: comparison of uptake patterns with thallium-201, J Nucl Med 1989; **30:** 1456
Sinusas AJ; Beller GA; Watson DD: cardiac imaging with technetium 99m-labeled isonitriles, J Thorac Imag 1990; **5-3:** 20
Sinzinger H See **Müller C**
Siostrzonek P See **Mostbeck GH**
Sipilä P; Kauppila A: intracavitary irradiation of endometrial carcinoma using a high-intensity ^{60}CO afterloading method, Acta Oncol 1989; **28:** 601
Sipperly ME See **Weinstein JS**
Siracka E See **Révész L**
Siracky J See **Révész L**
Sirinek KR; Levine BA: percutaneous transhepatic cholangiography and biliary decompression: invasive, diagnostic, and therapeutic procedures with too high a price?, (ab), Radiology 1990; **174:** 898
Sirinek LP; O'Dorisio MS: modulation of immune function by intestinal neuropeptides, Acta Oncol 1991; **30:** 509
Sirinelli D; Oudjhane K; Khouri N: case report 605, Skeletal Radiol 1990; **19:** 221
Sirinelli D; Silberman B; Baudon JJ; et al: Beckwith-Wiedemann syndrome and neural crest tumors: a report of two cases, Pediatr Radiol 1989; **19:** 242
Sirinelli D; Vanthournout I; Robert M; et al: ultrasound diagnosis of gallbladder papilloma in childhood, Pediatr Radiol 1989; **19:** 203
Sironi S See **DelMaschio A**
Sironi S See **Rummeny E**
Sironi S; Belloni C; Taccagni GL; et al: carcinoma of the cervix: value of MR imaging in detecting parametrial involvement, AJR 1991; **156:** 753
Sironi S; Belloni C; Taccagni G; DelMaschio A: invasive cervical carcinoma: MR imaging after preoperative chemotherapy, Radiology 1991; **180:** 719
Sironi S; Livraghi T; DelMaschio A: small hepatocellular carcinoma treated with percutaneous ethanol injection: MR imaging findings, Radiology 1991; **180:** 333
Sirotta P See **Rae-Grant AD**
Sirr SA See **duCret RP**
Sirr SA: inner visions: "hot" plate, Radiographics 1991; **11:** 1068
Sirr SA; Johnson TK; Stuart DD; et al: improved radiolabeling technique of Ivalon and its use for dynamic monitoring of complications during therapeutic transcatheter embolization, J Nucl Med 1989; **30:** 1399
Sirtori M; Ghidini A; Romero R; et al: prenatal diagnosis of sirenomelia, J Ultrasound Med 1989; **8:** 83
Sisler CL; Siegel MJ: malignant rhabdoid tumor of the kidney: radiologic features, Radiology 1989; **172:** 211
Sisler CL; Siegel MJ: ovarian teratomas: a comparison of the sonographic appearance in prepubertal and postpubertal girls, AJR 1990; **154:** 139
Sisson GA Sr; Toriumi DM; Atiyah RA: paranasal sinus malignancy: a comprehensive update, (ab), Radiology 1989; **173:** 887
Sisson JC See **Kazerooni EA**
Sisson JC See **Koral KF**
Sisson JC; Hutchinson RJ; Shapiro B; et al: iodine-125-MIBG to treat neuroblastoma: preliminary report, J Nucl Med 1990; **31:** 1479
Sisson JC; Wieland DM; Koeppe RA; et al: scintigraphic portrayal of beta receptors in the heart, J Nucl Med 1991; **32:** 1399
Sissons GRJ; Hayward MWJ: hemipelvis: an unusual site of osteonecrosis. a report of two cases, Clin Radiol 1989; **40:** 494
Sissons GRJ; McQueenie A; Mantle M: ocular effects of hyoscine-*n*-butylbromide ("Buscopan") in radiological practice, Br J Radiol 1991; **64:** 584
Sissons HA See **Martinez V**
Sissons HA See **Nuovo MA**
Sissons HA; Steiner GC; Bonar F; et al: tumoral calcium pyrophosphate deposition disease, Skeletal Radiol 1989; **18:** 79
Sistrom CL See **Douglas M**
Sistrom CL See **Williamson BRJ**
Sistrom CL; Gay SB; Peffley L: extravasation of iopamidol and iohexol during contrast-enhanced CT: report of 28 cases, Radiology 1991; **180:** 707
Siu CM See **Forster BB**
Siu CM See **Silver SF**
Siu D; Cooke TDV; Broekhoven LD; et al: standardized technique for lower limb radiography: practice, applications, and error analysis, Invest Radiol 1991; **26:** 71
Siu KH See **Ferris NJ**
Sivak MV Jr See **Blue MG**
Sivaloganathan S See **Gray C**
Sivanandham M See **Udayachander M**
Siverhus SW See **Hopson CN**
Sivit CJ See **Hauser GJ**
Sivit CJ; Hung W; Taylor GA; et al: sonography in neonatal congenital adrenal hyperplasia, AJR 1991; **156:** 141
Sivit CJ; Josepha SH; Taylor GA; et al: pneumatosis intestinalis in children with AIDS, AJR 1990; **155:** 133
Sivit CJ; Peclet MH; Taylor GA: life-threatening intraperitoneal bleeding: demonstration with CT, Radiology 1989; **171:** 430
Sivit CJ; Taylor GA; Bulas DI; Bowman LM; Eichelberger MR: blunt trauma in children: significance of peritoneal fluid, Radiology 1991; **178:** 185
Sivit CJ; Taylor GA; Eichelberger MR: chest injury in children with blunt abdominal trauma: evaluation with CT, Radiology 1989; **171:** 815
Sivit CJ; Taylor GA; Eichelberger MR: visceral injury in battered children: a changing perspective, Radiology 1989; **173:** 659
Sivit CJ; Taylor GA; Hauser GJ; et al: efficacy of chest radiography in pediatric intensive care, AJR 1989; **152:** 575
Sivit CJ; Taylor GA; Newman KD; et al: safety-belt injuries in children with lap-belt ecchymosis: CT findings in 61 patients, AJR 1991; **157:** 111
Sivit CJ; Taylor GA; Patterson K; et al: bowel obstruction in an infant with AIDS, AJR 1990; **154:** 803
Skaane P; Amland PF; Nordshus T; et al: ultrasonography in patients with suspected acute appendicitis: a prospective study, Br J Radiol 1990; **63:** 787
Skaane P; Skjennald A: ultrasonic features of ileocecal intussusception, JCU 1989; **17:** 590
Skaarup P See **Thomsen HS**
Skalpe IO See **Nakstad PH**
Skalpe IO: cervical myelography, Radiology 1990; **177:** 590
Skar V See **Løtveit T**
Skarzynski JJ See **Lee HK**
Skeel RT See **Coombs RJ**
Skeens JL; Fuhrman CR; Yousem SA: bronchiolitis obliterans in heart-lung transplantation patients: radiologic findings in 11 patients, AJR 1989; **153:** 253
Skelton TN; Kisslo KB; Bashore TM: comparison of coronary stenosis quantitation results from on-line digital and digitized cine film images, (ab), Radiology 1989; **171:** 884
Skerhut HEI See **Dadsetan MR**
Sketch MH See **Siffring PA**
Skidmore R See **Baker JD**
Skidmore R See **Evans JM**
Skidmore R See **Stone PR**
Skie M See **Zeiss J**
Skillman JJ See **Edelman RR**
Skillman JJ See **Kim D**
Skinner DB See **Altorki NK**

Skinner MA; Swain M; Simmons R; et al: nonpalpable breast lesions at biopsy: a detailed analysis of radiographic features, (ab), Radiology 1989; **170:** 584

Skinner SA See **Macpherson RI**

Skippen P See **Liu P**

Skjeldal OH See **Hald JK**

Skjennald A See **Hol PK**

Skjennald A See **Skaane P**

Skjennald A; Heldaas J; Henjum A; et al: transhepatic endoprosthesis and surgical anastomosis in the palliative treatment of bile duct obstructions, Eur J Radiol 1989; **9:** 167

Sklar DH; Phillips JJ; Lachman RS: case report 683, Skeletal Radiol 1991; **20:** 394

Sklar EML; Quencer RM; Green BA; et al: acquired spinal subarachnoid cysts: evaluation with MR, CT myelography, and intraoperative sonography, AJR 1989; **153:** 1057

Sklar EML; Quencer RM; Green BA: posttraumatic spinal pseudomeningocele: MR and clinical features, AJNR 1990; **11:** 1184

Sklar EML; Quencer RM; Green BA; Montalvo BM; Post MJD: complications of epidural anesthesia: MR appearance of abnormalities, Radiology 1991; **181:** 549

Skog S; Ericsson A; Nordell B; et al: ^{31}P-NMR spectroscopy measurements of energy metabolism of in vivo growing ascites tumours following addition of glucose, Acta Oncol 1989; **28:** 277

Skogseid B See **Eriksson B**

Skogseid B See **Öberg K**

Skogseid B; Larsson C; Öberg K: genetic and clinical characteristics of multiple endocrine neoplasia type 1, Acta Oncol 1991; **30:** 485

Skolkin MD; Alspaugh JP; Casarella WJ; Chuang VP; Galambos JT: sclerosing cholangitis: palliation with percutaneous cholangioplasty, Radiology 1989; **170:** 199

Skolnick ML See **Straub WH**

Skolnick ML: estimation of ultrasound beam width in the elevation (section thickness) plane, Radiology 1991; **180:** 286

Skołyszewski J See **Reinfuss M**

Skołyszewski J; Gliński B: results of postoperative irradiation of medulloblastoma in adults, Int J Radiat Oncol Biol Phys 1989; **16:** 479

Skoney JA See **Sherman S**

Skoog L See **Adolfsson J**

Skorton DJ See **Scholz TD**

Skorton DJ See **Stanford W**

Skov A See **Hamilton CS**

Skov K; MacPhail S: interaction of platinum drugs with clinically relevant x-ray doses in mammalian cells: a comparison of cisplatin, carboplatin, iproplatin, and tetraplatin, Int J Radiat Oncol Biol Phys 1991; **20:** 221

Skov KA; Korbelik M; Palcic B: interaction of *trans*-DDP [$PtCl2(NH_3)_2$] with low doses of radiation in mammalian cells, Int J Radiat Oncol Biol Phys 1989; **16:** 1281

Skovgaard N; Holm J; Hemmingsen L; et al: urinary protein excretion following intravenously administered ionic and non-ionic contrast media in man, Acta Radiol 1989; **30:** 517

Skovgaard N; Jensen ER; Jakobsen KP: iopromide versus diatrizoate: a comparative study of adverse reactions, Acta Radiol 1990; **31:** 537

Skovron ML; Berkowitz GS; Lapinski RH; et al: evaluation of early third-trimester ultrasound screening for intrauterine growth retardation, J Ultrasound Med 1991; **10:** 153

Skovsgaard T See **Friche E**

Skrabanek P: shadows over screening mammography, Clin Radiol 1989; **40:** 4

Skretting A See **Sager EM**

Skriver EB See **Olsen TS**

Skriver EB; Olsen TS: repeated computed tomography in lacunar infarcts of the brain, Acta Radiol 1989; **30:** 1

Skriver EB; Olsen TS; McNair P: mass effect and atrophy after stroke, Acta Radiol 1990; **31:** 431

Skubic S See **Yagan R**

Skubic SE; Yagan R; Oravec D; et al: value of increasing film processing time to reduce radiation dose during mammography, AJR 1990; **155:** 1189

Skundberg P: basic principles of radiographic exposure, Radiology 1990; **175:** 678

Skundberg PA: Appleton & Lange's review for the radiography examination, Radiology 1991; **180:** 194

Skundberg PA: applied pathology for radiographers, Radiology 1989; **173:** 734

Skundberg PA: comprehensive radiographic pathology, Radiology 1991; **180:** 436

Skundberg PA: Merrill's atlas of radiographic positions and radiologic procedures. 7th ed, 3 vols, Radiology 1991; **180:** 676

Skundberg PA: principles of radiography for technologists, Radiology 1991; **180:** 754

Skundberg PA: trauma and mobile radiography, Radiology 1990; **176:** 354

Slabbert JP; Binns PJ; Jones HL; et al: quality assessment of the effects of a hydrogenous filter on a p(66) Be(40) neutron beam, Br J Radiol 1989; **62:** 989

Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE: receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Radiology 1990; **174:** 775

Slater DD See **Yakes WF**

Slater JD; Ellerbroek NA; Barkley HT Jr; et al: radiation therapy following resection of non-small cell bronchogenic carcinoma, Int J Radiat Oncol Biol Phys 1991; **20:** 945

Slätis P See **Santavirta S**

Slätis P; Santavirta S; Sandelin J; et al: cranial subluxation of the odontoid process in rheumatoid arthritis, (ab), Radiology 1989; **173:** 293

Slaughter RE; Partridge JB: computed tomographic assessment of coronary artery bypass grafts with fast dynamic scanning, Australas Radiol 1990; **34:** 102

Slauson ME See **Brown PH**

Slavc I See **Ebner F**

Slavich IL III See **LaManna MM**

Slavin JD See **Haddon M**

Slavin JD See **Mack JM**

Slavin JD Jr See **Shoemaker DW**

Slavin JD Jr; Epstein N; Negrin JA; et al: "warm" sacroiliac joint: a finding in pelvic abscess, Clin Nucl Med 1990; **15:** 644

Slavin JD Jr; Kassamali H; Spencer RP; et al: flank incisional hernia noted on radionuclide dynamic/static images, Clin Nucl Med 1989; **14:** 548

Slavin JD Jr; Levine GM; Spencer RP: calcification in the supraspinatus tendon detected on bone scan, Clin Nucl Med 1989; **14:** 921

Slavin JD Jr; Negrin JA; Spencer RP; et al: insufficiency fractures of the upper femurs: five-year lapse between occurrence on opposite sides, Clin Nucl Med 1990; **15:** 730

Slavin RE See **Dinh TV**

Slavotinek JP See **Davies RP**

Slawson RG See **Salazar OM**

Slawson RG; Poka A; Bathon H; et al: role of post-operative radiation in the prevention of heterotopic ossification in patients with post-traumatic acetabular fracture, Int J Radiat Oncol Biol Phys 1989; **17:** 669

Slawson SH: sledding accident: on hearing the sobs of the driver while reading late night C-spines, Radiology 1991; **178:** 174

Slawson SH: spin echo, Radiology 1990; **175:** 364

Slegerstetter V See **Richter GM**

Slessinger E See **Perez CA**

Slessinger E; Grigsby PW; Williams J: improvements in brachytherapy quality assurance, Int J Radiat Oncol Biol Phys 1989; **16:** 497

Slessinger ED See **Wong JW**

Slevin NJ; Pointon RCS: radical radiotherapy for carcinoma of the vulva, Br J Radiol 1989; **62:** 145

Slevin NJ; Stout R: carcinoma of the oesophagus—a review of 108 cases treated by radical radiotherapy, Clin Radiol 1989; **40:** 200

Slezak P See **Saito Y**

Slezak P; Rubio C; Blomqvist L; et al: duodenal adenocarcinoma in Crohn's disease of the small bowel: a case report, Gastrointest Radiol 1991; **16:** 15

Slifkin M See **Adzamli IK**

Slifkin M See **White C**

Slimp G See **Shellock FG**

Slinker BK See **Brown KA**

Slizofski WJ See **Brown SJ**

Slizofski WJ; Brown SJ; Dadparvar S; et al: diagnostic significance of apparent abnormal bowel activity on Ga-67 scans in AIDS patients, Clin Nucl Med 1991; **16:** 473

Sloan JM See **Gilchrist AM**

Sloan S; Kahrilas PJ: impairment of esophageal emptying with hiatal hernia, (ab), Radiology 1991; **181:** 290

Sloane PM; Griffin JM; O'Dwyer TP: esophageal insufflation and videofluoroscopy for evaluation of esophageal speech in laryngectomy patients: clinical implications, Radiology 1991; **181:** 433

Slone RM See **Akins EW**

Slone RM: increasing coauthorship of scientific exhibits, Radiology 1991; **178:** 893

Slone RM; Heare MM; Vander Griend RA; Montgomery WJ: orthopedic fixation devices, Radiographics 1991; **11:** 823

Slone RM; Tart RP: radiology residents' work hours and study habits, Radiology 1991; **181:** 606

Slonim L; Ross A: free intra-peritoneal gas—an unusual aetiology, Australas Radiol 1990; **34:** 168

Slopis JM See **Narayana PA**

Slørdal L See **Aasebø U**

Sloth C See **Just SL**

Sloth C; Just SL: apical oblique radiograph in examination of acute shoulder trauma, Eur J Radiol 1989; **9:** 147

Slotman BJ See **Rao BR**

Slovis TL See **Bis KG**

Slovis TL See **Carver CD**

Slovis TL See **Forman HP**

Slovis TL See **Kirks DR**

Slovis TL See **Klein MA**

Slovis TL See **Shapiro E**

Slovis TL See **Wood BP**

Slovis TL: US of the neonatal head, (ab), Radiology 1991; **178:** 592

Slovis TL; Canady A; Touchette A; et al: transcranial sonography through the burr hole for detection of ventriculomegaly: a preliminary report, J Ultrasound Med 1991; **10:** 195

Slovis TL; Guzzardo-Dobson PR: clinical usefulness of teleradiology of neonates: expanded services without expanded staff, Pediatr Radiol 1991; **21:** 333

Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr: complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Radiology 1989; **171:** 823

Slovis TL; Shkolnik A; Haller JO: focal areas of increased echogenicity within the brain, J Ultrasound Med 1989; **8:** 31

Slowman-Kovacs SD; Braunstein EM; Brandt KD: rapidly progressive Charcot arthropathy following minor joint trauma in patients with diabetic neuropathy, (ab), Radiology 1990; **176:** 885

Slusher SL See **Levine E**

Slusser JH See **Bundschuh CV**

Slutzki S See **Peer A**

Smaldone GC; Fuhrer J; Steigbigel RT; et al: factors determining pulmonary deposition of aerosolized pentamidine in patients with human immunodeficiency virus infection, (ab), Radiology 1991; **181:** 908

Small F See **Wulfrank DA**

Small KW See **Kuethe DO**

Small WC See **Chezmar JL**

Small WC See **Murphy FB**

Smalley P See **Faulkner K**

Smalley SR; Kimler BF; Evans RG: 5-fluorouracil modulation of radiosensitivity in cultured human carcinoma cells, Int J Radiat Oncol Biol Phys 1991; **20:** 207

Smalley SR; Schomberg PJ; Earle JD; et al: radiotherapeutic considerations in the treatment of hemangioblastomas of the central nervous system, Int J Radiat Oncol Biol Phys 1990; **18:** 1165

Smallhorn JF See **Vogel M**

Smart LM; Hendry GMA: imaging of neonatal pulmonary sequestration including Doppler ultrasound, Br J Radiol 1991; **64:** 324

Smart PE; Weinfeld A; Thompson NE; Defortuna SM: toxoplasmosis of the stomach: a cause of antral narrowing, Radiology 1990; **174:** 369

Smart PJ See **Deacon CS**

Smart RC See **McLean RG**

Smart RC; McLean RG; Gaston-Parry D; et al: comparison of oral iodine-131-cellulose and indium-111-DTPA as tracers for colon transit scintigraphy: analysis by colon activity profiles, J Nucl Med 1991; **32:** 1668

Smart T See **Dershaw DD**

Smathers RL See **Scatarige JC**

Smedby Ö See **Henriksson L**

Smeds A-C See **Sorbe BG**

Smeele B; Wamsteker K; Sarstadt T; et al: ultrasonic appearance of Asherman's syndrome in the third trimester of pregnancy, JCU 1989; **17:** 602

Smeets AJ; Robben SGF; Meradji M: sonographically detected costo-chondral dislocation in an abused child: a new sonographic sign to the radiological spectrum of child abuse, Pediatr Radiol 1990; **20:** 566

Smeets AJ; Zonderland HM; van der Voorde F; et al: evaluation of abdominal lymph nodes by ultrasound, J Ultrasound Med 1990; **9:** 325

Smeets FAM See **Hoeks APG**

Smeets P See **Verstraete KLA**

Smellie JM; Shaw PJ; Prescod NP; et al: ^{99m}Tc dimercaptosuccinic acid (DMSA) scan in patients with established radiological renal scarring, (ab), Radiology 1989; **172:** 292

Smerud MJ; Johnson CD; Stephens DH: diagnosis of bowel infarction: a comparison of plain films and CT scans in 23 cases, AJR 1990; **154:** 99

Smet M-H; Marchal G; Ceulemans R; et al: solitary hyperdynamic pulsating superior mesenteric artery: an additional dynamic sonographic feature of midgut volvulus, Pediatr Radiol 1991; **21:** 156

Smet M-H; Marchal G; Oyen R; et al: stenosing hemorrhagic ureteritis in a child with Henoch-Schönlein purpura: CT appearance, JCAT 1991; **15:** 326
Smeulders AWM See **Jaffe CC**
Smevik B See **Bjørnstad PG**
Smevik B; Westvik J: iohexol for contrast enhancement of bowel in pediatric abdominal CT, Acta Radiol 1990; **31:** 601
Smevik O See **Rinck PA**
Smid A See **Cho KJ**
Smid AP See **Lee F Jr**
Smilovitch M See **Roy M**
Smirniotopoulos J See **Aizpuru RN**
Smirniotopoulos JG See **Buetow MP**
Smirniotopoulos JG See **Buetow PC**
Smirniotopoulos JG See **Jelinek J**
Smirniotopoulos JG See **Osborn AG**
Smiseth OA See **Robinson VJB**
Smit BJ; du Toit JP; Groenewald WA: indwelling intrauterine tube to facilitate intracavitary radiotherapy of carcinoma of the cervix, Br J Radiol 1989; **62:** 68
Smit WGJM; Helle PA; van Putten WLJ; et al: late radiation damage in prostate cancer patients treated by high dose external radiotherapy in relation to rectal dose, Int J Radiat Oncol Biol Phys 1990; **18:** 23
Smith AC See **Hornak JP**
Smith AS See **Bardenstein DS**
Smith AS See **Bradrick JP**
Smith AS See **Lieberman JM**
Smith AS See **Lin W**
Smith AS; Benson JE; Blaser SI; et al: diagnosis of ruptured intracranial dermoid cyst: value of MR over CT, AJNR 1991; **12:** 175
Smith AS; Benson JE; Blaser SI; et al: diagnosis of ruptured intracranial dermoid cyst: value of MR over CT, AJR 1991; **156:** 807
Smith AS; Blaser SI: infectious and inflammatory processes of the spine, Radiol Clin North Am 1991; **29:** 809
Smith AS; Blaser SI; Ross JS; Weinstein MA: magnetic resonance imaging of disturbances in neuronal migration: illustration of an embryologic process, Radiographics 1989; **9:** 509
Smith AS; Huang TE; Weinstein MA: periventricular involvement in CNS lymphomatoid granulomatosis: MR demonstration, JCAT 1990; **14:** 291
Smith AS; Hurst GC; Duerk JL; et al: MR of ballistic materials: imaging artifacts and potential hazards, AJNR 1991; **12:** 567
Smith AS; Meisler DM; Weinstein MA; et al: high-signal periventricular lesions in patients with sarcoidosis: neurosarcoidosis or multiple sclerosis?, AJNR 1989; **10:** 485
Smith AS; Weinstein MA; Hurst GC; et al: intracranial chemical-shift artifacts on MR images of the brain: observations and relation to sampling bandwidth, AJNR 1990; **11:** 303
Smith AS; Weinstein MA; Hurst GC; et al: intracranial chemical-shift artifacts on MR images of the brain: observations and relation to sampling bandwidth, AJR 1990; **154:** 1275
Smith AS; Weinstein MA; Mizushima A; et al: MR imaging characteristics of tuberculous spondylitis vs vertebral osteomyelitis, AJNR 1989; **10:** 619
Smith C See **Patzik SB**
Smith C See **Thompson MJ**
Smith C; Butler JA: efficacy of directed percutaneous fine-needle aspiration cytology in the diagnosis of intra-abdominal masses, (ab), Radiology 1989; **170:** 287
Smith CB See **Goldstein DS**
Smith CE See **Marin LA**
Smith CR See **Moore RD**
Smith CS See **Davey HA**
Smith CS See **Lowe GM**
Smith DAS; Hosie CJ; Deacon AD; et al: quantitative γ-ray computed tomography of the radius in normal subjects and osteoporotic patients, Br J Radiol 1990; **63:** 776
Smith DC See **Frood LR**
Smith DC See **Ing JJ**
Smith DC See **Kopko PM**
Smith DC See **Massee DR**
Smith DC See **Oglevie SB**
Smith DC See **Shaw de Paredes E**
Smith DC See **Stark P**
Smith DC; McCormick MJ; Jensen DA; Westengard JC: guide wire traversal test: retrospective study of results with fibrinolytic therapy, JVIR 1991; **2:** 339
Smith DC; Mitchell DA; Peterson GW; Will AD; Mera SS; Smith LL: medial brachial fascial compartment syndrome: anatomic basis of neuropathy after transaxillary arteriography, Radiology 1989; **173:** 149
Smith DF; Smith FW; Knight RSG; et al: $^{99}Tc^{m}$-HMPAO single photon emission computed tomography in partial epilepsy: a preliminary report, Br J Radiol 1989; **62:** 970
Smith DK; Berquist TH; An K-N; et al: validation of three-dimensional reconstructions of knee anatomy: CT vs MR imaging, JCAT 1989; **13:** 294
Smith DK; Gilula LA; Amadio PC: dorsal lunate tilt (DISI configuration): sign of scaphoid fracture displacement, Radiology 1990; **176:** 497
Smith DK; Gilula LA; Amadio PC: reference to dorsal intercalated segment instability in the literature: reply, Radiology 1991; **180:** 879
Smith DK; Gilula LA; Totty WG: subtalar arthrorisis: evaluation with CT, AJR 1990; **154:** 559
Smith DK; Linscheid RL; Amadio PC; Berquist TH; Cooney WP: scaphoid anatomy: evaluation with complex motion tomography, Radiology 1989; **173:** 177
Smith DK; Totty WG: knee after partial meniscectomy: MR imaging features, Radiology 1990; **176:** 141
Smith DS See **Hasso AN**
Smith E See **McCormack M**
Smith EH: complications of percutaneous abdominal fine-needle biopsy: review, Radiology 1991; **178:** 253
Smith EI See **Fritze M**
Smith FW See **Deans HE**
Smith FW See **Reynolds JH**
Smith FW See **Smith DF**
Smith FW; Bayliss AP; Hussey JK; et al: low-field (0.08 T) magnetic resonance imaging of the pancreas: comparison with computed tomography and ultrasound, Br J Radiol 1989; **62:** 796
Smith G See **Rusinek H**
Smith GB See **Stone EE**
Smith GD See **Conturo TE**
Smith GG See **Howard JL**
Smith GM; Reed JC; Choplin RH: radiographic detection of esophageal malpositioning of endotracheal tubes, AJR 1990; **154:** 23
Smith H: statement from the 1989 Paris meeting of the International Commission on Radiological Protection, J Canad Assoc Radiol 1989; **40:** 272
Smith HC; Watson GH; Patel RG; et al: cardiac rhabdomyomata in tuberous sclerosis: their course and diagnostic value, (ab), Radiology 1989; **173:** 586
Smith H-J See **Larheim TA**
Smith HJ See **Reifsnyder AC**
Smith HS See **Ohashi K**
Smith HS See **Wells GA**
Smith HS See **Wulfeck DW**
Smith I See **Reddy ER**
Smith ICP See **Rydzy M**
Smith ICP; Princz EJ; Saunders JK: magnetic resonance spectroscopy in cancer research, J Canad Assoc Radiol 1990; **41:** 32
Smith J; Reuter V; Demas B: case report 576, Skeletal Radiol 1989; **18:** 561
Smith JA See **Cohen MD**
Smith JA; Mullerworth MH; Westlake GW; et al: empyema thoracis: 14-year experience in a teaching center, (ab), Radiology 1991; **181:** 291
Smith JAM See **Wholey MH**
Smith JC See **Tung KT**
Smith JJ; Croft BY; Brookeman VA; et al: estimation of 24-hour thyroid uptake of I-131 sodium iodide using a 5-minute uptake of technetium-99m pertechnetate, Clin Nucl Med 1990; **15:** 80
Smith JJ; Teates CD: small, solitary, focal "hot spots" on bone scans, Semin Nucl Med 1990; **20:** 276
Smith JL See **Yuh WTC**
Smith JRG; Hadgis C; Van Hasselt A; et al: CT of Kimura disease, AJNR 1989; **10:** S34
Smith JW See **Erickson SJ**
Smith JW See **Kim RY**
Smith JW See **Spencer SA**
Smith KR Jr See **Awwad EE**
Smith KR Jr See **Judd J**
Smith L See **Gramith F**
Smith LL See **Smith DC**
Smith LM See **Abdel-Nabi HH**
Smith LM; Donaldson SS; Egbert PR; et al: aggressive management of second primary tumors in survivors of hereditary retinoblastoma, Int J Radiat Oncol Biol Phys 1989; **17:** 499
Smith LM; Mendenhall NP; Cicale MJ; et al: results of a prospective study evaluating the effects of mantle irradiation on pulmonary function, Int J Radiat Oncol Biol Phys 1989; **16:** 79
Smith MA; Baker EJ; Ayton VT; et al: magnetic resonance imaging of the infant heart at 1.5 T, Br J Radiol 1989; **62:** 367
Smith MB See **Hopper KD**
Smith MB See **Mosher TJ**
Smith MB See **Rees D**
Smith MB See **Schlesinger AE**
Smith MB: biochemistry of ionizing radiation, Radiology 1991; **178:** 342
Smith MB: health and safety of clinical NMR examinations, Radiology 1990; **175:** 130
Smith MB; Hopper KD: magnetic resonance imaging. 2nd ed. vol 2, physical principles and instrumentation, Radiology 1989; **173:** 328
Smith MD See **Sider L**
Smith MD; Russell EJ; Levy R; et al: transcatheter obliteration of a cerebellar arteriovenous fistula with platinum coils, AJNR 1990; **11:** 1199
Smith ML; Wraight EP: oblique views in thyroid imaging, Clin Radiol 1989; **40:** 505
Smith MR See **Constable RT**
Smith MR See **Mitchell DK**
Smith MR See **Negendank WG**
Smith MR; Nichols ST; Constable RT; et al: quantitative comparison of the TERA modeling and DFT magnetic resonance image reconstruction techniques, Magn Res Med 1991; **19:** 1
Smith MS See **Seidner DL**
Smith NN See **Coss RA**
Smith OJ See **Clarkston WK**
Smith PD See **Pass HI**
Smith PJ See **Delacroix S**
Smith PL See **Chew FS**
Smith PM See **Adams H**
Smith QR See **O'Tuama LA**
Smith R See **Chen J**
Smith RB See **Oweida SW**
Smith RC; Lange RC; McCarthy SM: chemical shift artifact: dependence on shape and orientation of the lipid-water interface, Radiology 1991; **181:** 225
Smith RD See **Robertson HJ**
Smith RR See **Caldemeyer KS**
Smith RR See **Harris TM**
Smith RR See **Koch KJ**
Smith RR See **Lutz JD**
Smith RR See **Mathews VP**
Smith RR: brain stem tumors, Semin Roentgenol 1990; **25:** 249
Smith RR; Grossman RI; Goldberg HI; et al: MR imaging of Lhermitte-Duclos disease: a case report, AJNR 1989; **10:** 187
Smith RR; Zimmerman RA; Packer RJ; et al: pediatric brainstem glioma: post-radiation clinical and MR follow-up, Neuroradiol 1990; **32:** 265
Smith RRL See **Hamilton SR**
Smith SEW See **Saifuddin A**
Smith SJ See **Bosniak MA**
Smith SJ; Bosniak MA; Megibow AJ; Hulnick DH; Horii SC; Raghavendra BN: renal cell carcinoma: earlier discovery and increased detection, Radiology 1989; **170:** 699
Smith SL: metrical variation in the thumb, index, and middle finger among four samples of both sexes, Skeletal Radiol 1991; **20:** 353
Smith SM; Patel SK; Turner DA; et al: magnetic resonance imaging of adrenal cortical carcinoma, Urol Radiol 1989; **11:** 1
Smith SR See **Roberts N**
Smith SR; Griffiths RD; Martin PA; Edwards RHT: measurement of tumor pH with in vivo MR spectroscopy, Radiology 1989; **173:** 572
Smith SR; Roberts N; Edwards RHT: marrow repopulation after bone marrow transplantation, Radiology 1991; **178:** 581
Smith SR; Williams CE; Davies JM; Edwards RHT: bone marrow disorders: characterization with quantitative MR imaging, Radiology 1989; **172:** 805
Smith SS See **Sherer DM**
Smith SW; Insana MF; Lopez H: new contrast-detail phantoms for improved precision in lesion detection measurements, Ultrasound Med Biol 1989; **15:** 383
Smith T See **Hunter DW**
Smith TB See **Wilcox CS**
Smith TH See **Katz DS**
Smith TJ See **Homer MJ**
Smith TP See **Barnhart W**
Smith TP See **Cragg AH**
Smith TP See **Gleason T**
Smith TP See **Harris KG**
Smith TP See **Nakagawa N**
Smith TP See **Robinson JD**
Smith TP See **Thompson BH**
Smith TP; Cragg AH; Berbaum KS: political trends in vascular and interventional radiology: a randomized survey, Radiology 1989; **170:** 941
Smith TP; Cragg AH; Berbaum KS; Ryals TJ; Sato Y: techniques for lower-limb angiography: a comparative study, Radiology 1990; **174:** 951
Smith TP; Cragg AH; Castaneda F; Hunter DW: thrombosed polytetrafluoroethylene hemodialysis fistulas: salvage with combined thrombectomy and angioplasty, Radiology 1989; **171:** 507
Smith TP; Cragg AH; Landas SK; Berbaum KS: plaque modification with tetracycline: enhanced tissue ablation with the excimer laser, Radiology 1990; **174:** 1009
Smith TR; Koenigsberg M: low-density insulinoma on dynamic CT, AJR 1990; **155:** 995

Smith TR; Schmiedeberg P; Flax H; et al: nonmucosal predominantly serosal eosinophilic enteritis: a case report, Clin Imag 1990; **14:** 235
Smith V See **Schell MC**
Smith V See **Weaver K**
Smith VC See **Neal RC**
Smith WG See **Sause WT**
Smith WH See **Sinusas AJ**
Smith WK; Woodward DJ: data exchange format for neuroanatomy workstations, Comput Med Imag Graph 1990; **14:** 371
Smith WL See **Altmaier E**
Smith WL See **Crouch C**
Smith WL See **Erkonen WE**
Smith WL See **Franken EA Jr**
Smith WL See **Hilsenrath PE**
Smith WL See **Kao SCS**
Smith WL See **Sato Y**
Smith WL See **Wood PS**
Smith WL; Altmaier EM; Ross RR; Johnson BD; Berberoglu LS: patient expectations of radiology in noninteractive encounters, Radiology 1989; **172:** 275
Smith WS; Lesar MS; Travis WD; et al: MR and CT findings in pulmonary artery sarcoma, JCAT 1989; **13:** 906
Smithson PH; Jeans WD; Murphy P: installation requirements for an argon laser angioplasty system, Br J Radiol 1989; **62:** 71
Smithuis RHM; Op den Orth JO: gastric fluid detected by sonography in fasting patients: relation to duodenal ulcer disease and gastric-outlet obstruction, AJR 1989; **153:** 731
Smithuis RHM; Vos CG: heterotopic gastric mucosa in the duodenal bulb: relationship to peptic ulcer, AJR 1989; **152:** 59
Smits GAHJ See **Oosterhof GON**
Smits NJ See **van der Laan RT**
Smits NJ See **Westra SJ**
Smits P; Aengevaeren WRM; Corstens FHM; et al: caffeine reduces dipyridamole-induced myocardial ischemia, J Nucl Med 1989; **30:** 1723
Smits P; Corstens FHM; Aengevaeren WRM; et al: false-negative dipyridamole-thallium-201 myocardial imaging after caffeine infusion, J Nucl Med 1991; **32:** 1538
Smoker WRK See **Babbel RW**
Smoker WRK See **Call GK**
Smoker WRK See **Davis WL**
Smoker WRK See **Fruin ME**
Smoker WRK See **Kieffer SA**
Smoker WRK See **Osborn AG**
Smoker WRK See **Parker GD**
Smoker WRK See **Remley KB**
Smoker WRK See **Tryhus MR**
Smoker WRK See **Vogelzang P**
Smoker WRK See **Watanabe AS**
Smoker WRK: normal anatomy of the infrahyoid neck: an overview, Semin US CT MR 1991; **12:** 192
Smoker WRK; Harnsberger HR: differential diagnosis of head and neck lesions based on their space of origin. 2. the infrahyoid portion of the neck, AJR 1991; **157:** 155
Smoker WRK; Townsend JJ; Reichman MV: neurocytoma accompanied by intraventricular hemorrhage: case report and literature review, AJNR 1991; **12:** 765
SMRI Safety Committee See **Shellock FG**
Smye SW See **Parkin A**
Smyrnios NA; Jederlinic PJ; Irwin RS: pleural effusion in an asymptomatic patient: spectrum and frequency of causes and management considerations, (ab), Radiology 1990; **176:** 587
Snee M See **Francis J**
Sneige N See **Fornage BD**
Sneige N See **Tassin GB**
Snider AR See **Bengur AR**
Snider DE Jr See **Rieder HL**
Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG: pancreatic transplantation: radiologic evaluation of vascular complications, Radiology 1991; **178:** 749
Snider JF; Hunter DW; Moradian GP; Castaneda-Zuniga WR; Letourneau JG: transplant renal artery stenosis: evaluation with duplex sonography, Radiology 1989; **172:** 1027
Sniderman KW See **Houle S**
Sniderman KW See **Odurny A**
Sniderman KW See **Shewchun J**
Sniderman KW; Kalman PG; Odurny A; et al: low-dose fibrinolytic therapy for recent lower extremity thromboembolism, J Canad Assoc Radiol 1989; **40:** 98
Sniderman KW; Kalman PG; Shewchun J; Goldberg REA: lower-extremity in situ saphenous vein grafts: angiographic interventions, Radiology 1989; **170:** 1023
Snidow JJ See **Barnhart W**
Snieckus PJ See **Malzberg MS**
Snook D See **Stewart JSW**
Snow BJ See **Pate BD**
Snow GB See **Castelijns JA**
Snow GB See **van den Brekel MWM**
Snow NJ See **Horrigan TP**
Snow RC See **Gerard EL**
Snower DP See **Taylor KJW**
Snyder HM III See **Forman HP**
Snyder JR See **Goldstein SR**
Snyder S See **Flannigan B**
So CB See **Gibney RG**
So CB See **Mathieson JR**
So CB; Gibney RG; Scudamore CH: carcinoma of the gallbladder: a risk associated with gallbladder-preserving treatments for cholelithiasis, Radiology 1990; **174:** 127
So CB; Li DKB: anterolateral cervical meningocele in association with neurofibromatosis: MR and CT studies, JCAT 1989; **13:** 692
So LY See **Sung RYT**
So SKS See **Castaneda F**
Søballe K; Pedersen CM; Odgaard A; et al: physical bone changes in carrageenin-induced arthritis evaluated by quantitative computed tomography, Skeletal Radiol 1991; **20:** 345
Sobat WS See **Hall RC**
Sobel BE See **Moerlein SM**
Sobel DF See **Klein MV**
Sobel DF See **Lim V**
Sobel DF See **Schwaighofer BW**
Sobel M See **Mulry CC**
Soberman N See **Gross ML**
Soberman N See **Leonidas JC**
Soberman N; Leonidas JC; Berdon WE; et al: parotid enlargement in children seropositive for human immunodeficiency virus: imaging findings, AJR 1991; **157:** 553
Soberman N; Leonidas JC; Cherrick I; et al: sonographic abnormalities of the thyroid gland in longterm survivors of Hodgkin disease, Pediatr Radiol 1991; **21:** 250
Sobin LH See **Buck JL**
Sobin LH See **Burke AP**
Sobin LH See **Osborn AG**
Sobin LH: tales of the ampulla of vater: XV, Radiology 1990; **177:** 762
Sobin LH; Ros PR: radiology and the new TNM classification of tumors: the future, Radiology 1990; **176:** 1
Soble M See **Kramer RA**
Soble MG; Kaye AD; Guay RC: rotator cuff tear: clinical experience with sonographic detection, Radiology 1989; **173:** 319
Sobol WT See **Elster AD**
Sobol WT See **Formanek AG**
Socie G; Devergie A; Girinsky T; et al: influence of the fractionation of total body irradiation on complications and relapse rate for chronic myelogenous leukemia, Int J Radiat Oncol Biol Phys 1991; **20:** 397
Society of Cardiovascular and Interventional Radiology: SCVIR position statement on thermal laser angioplasty, Radiology 1989; **172:** 944
Soden M; Hassan J; Scott DL; et al: lymphoid irradiation in intractable rheumatoid arthritis: long-term followup of patients treated with 750 rads or 2,000 rads, (ab), Radiology 1989; **173:** 886
Söderberg M See **Eksborg S**
Söderlund V; Kronberg M; Broström L-Å: radiological assessment of humeral head retroversion: description of a new method, Acta Radiol 1989; **30:** 501
Söderman M: computer independent sidemarker for CT scanners, Acta Radiol 1990; **31:** 628
Söderström K-O See **Kellokumpu-Lehtinen P**
Soetanto K; Reid JM: regions in the B-mode image of a cylinder where the location of a point reflector is changed by sound speed variation, Ultrasound Med Biol 1991; **17:** 355
Soffen EM; Hanks GE; Hwang CC; et al: conformal static field therapy for low volume low grade prostate cancer with rigid immobilization, Int J Radiat Oncol Biol Phys 1991; **20:** 141
Soffer M; Abecassis J-P; Bonnin A; Grateau G: percutaneous drainage of retroperitoneal abscesses, Radiology 1989; **170:** 280
Soga T See **Mitsumori M**
Soh Y See **Tamada T**
Sohma T See **Kurokawa Y**
Sohn HY See **Choe KO**
Sohn M See **Neuerburg JM**
Søholm S; Conrad C: preoperative needle-marking of non-palpable breast lesions, Acta Radiol 1989; **30:** 223
Soimakallio S See **Farin PU**
Soimakallio S See **Yang XM**
Soini I See **Vorne M**
Soiva M See **Pamilo M**
Soiva M: ultrasonography of the gallbladder in acute pancreatitis, Acta Radiol 1989; **30:** 403
Soiva M; Hekali P; Keto P; et al: iohexol, ioxaglate and iopamidol in coronary angiography: a double-blind comparative study of 300 patients, Australas Radiol 1991; **35:** 109
Sokal M See **Bissett D**
Sökjer H See **Fransson S-G**
Sokoloff L; Varma AA: chondrocalcinosis in surgically resected joints, (ab), Radiology 1989; **170:** 588
Solar P See **Traxler M**
Sole D See **Arruda LK**
Solé M See **Campistol JM**
Soleimanpour M See **Pierro JA**
Soler R See **Pombo F**
Soletsky S See **Sze G**
Solfanelli S; Fazzi P; Frediani M; et al: Ga-67 imaging of bronchial metastatic melanoma, Clin Nucl Med 1991; **16:** 197
Solheim KE See **Laerum F**
Solheim Ø See **Lien HH**
Solheim ØP See **Hannisdal E**
Soliani A See **Arduini D**
Solin LJ See **Chu JCH**
Solin LJ See **Fowble BL**
Solin LJ See **Herbert SH**
Solin LJ See **Schwaibold F**
Solin LJ; Chu JCH; Sontag MR; et al: three-dimensional photon treatment planning of the intact breast, Int J Radiat Oncol Biol Phys 1991; **21:** 193
Solin LJ; Fowble BL; Martz KL; et al: results of the 1983 patterns of care process survey for definitive breast irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 105
Solin LJ; Fowble BL; Schultz DJ; et al: age as a prognostic factor for patients treated with definitive irradiation for early stage breast cancer, Int J Radiat Oncol Biol Phys 1989; **16:** 373
Solin LJ; Fowble BL; Schultz DJ; et al: bilateral breast carcinoma treated with definitive irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 263
Solin LJ; Fowble BL; Schultz DJ; et al: definitive irradiation for intraductal carcinoma of the breast, Int J Radiat Oncol Biol Phys 1990; **19:** 843
Solin LJ; Fowble BL; Schultz DJ; et al: significance of the pathology margins of the tumor excision on the outcome of patients treated with definitive irradiation for early stage breast cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 279
Solin LJ; Fowble BL; Troupin RH; et al: biopsy results of new calcifications in the postirradiated breast, (ab), Radiology 1989; **173:** 591
Solivetti FM; D'Ascenzo R; Molisso A; et al: rhabdomyosarcoma of the funiculus, JCU 1989; **17:** 521
Solivetti FM; D'Ascenzo R; Orazi C; et al: ultrasound diagnosis and management of urethral stones, J Ultrasound Med 1989; **8:** 685
Sollitto RA See **Low RN**
Sollitto RA See **Sickles EA**
Solodnik P See **Ramos R**
Solomon A See **Bar-Ziv J**
Solomon B See **Harrison LB**
Solomon C See **Demos TC**
Solomon C See **Palacios E**
Solomon D; Schwartz A: renal pathology in von Hippel-Lindau disease, (ab), Radiology 1989; **171:** 292
Solomon G See **Rosenberg ZS**
Solomon MH See **Torp-Pedersen ST**
Solomon RW See **Fineman DS**
Solomon RW See **Kim CK**
Solomon RW See **Palestro CJ**
Solomon RW; Palestro CJ; Kim CK; et al: effect of patient position on interpretation of lung images complicated by chest radiograph opacities, Clin Nucl Med 1989; **14:** 261
Solomon SL See **Glazer HS**
Solomon SL See **Molina PL**
Solomon SL; Brown JJ; Glazer HS; Mirowitz SA; Lee JKT: thoracic aortic dissection: pitfalls and artifacts in MR imaging, Radiology 1990; **177:** 223
Solomon SL; Jost RG; Glazer HS; et al: artifacts in computed radiography, AJR 1991; **157:** 181
Solomon SL; Totty WG; Lee JKT: MR imaging of the knee: comparison of three-dimensional FISP and two-dimensional spin-echo pulse sequences, Radiology 1989; **173:** 739
Solot G See **Li Q-S**
Soloway RD See **Malet PF**
Solsberg MD See **Lemaire C**
Solsberg MD; Fournier D; Potts DG: MR imaging of the excised human brainstem: a correlative neuroanatomic study, AJNR 1990; **11:** 1003
Solsberg MD; Lemaire C; Resch L; et al: high-resolution MR imaging of the cadaveric human spinal cord: normal anatomy, AJNR 1990; **11:** 3
Solti-Bohman LG See **Lo WWM**
Som P See **Kubota K**
Som P See **Oster ZH**
Som PM See **Cross RR**

Som PM See **Dillon WP**
Som PM See **Laine FJ**
Som PM See **Lidov M**
Som PM See **Norton KI**
Som PM See **Ramos R**
Som PM See **Shapiro MD**
Som PM; Biller HF: high-grade malignancies of the parotid gland: identification with MR imaging, Radiology 1989; **173:** 823
Som PM; Curtin HD; Holliday RA; Kassel E; Reede DL; Hasso AN: head and neck radiology. RSNA '90 meeting notes, Radiology 1991; **178:** 599
Som PM; Curtin HD; Lufkin RB; Holliday RA; Reede DL: head and neck radiology. RSNA '88 meeting notes, Radiology 1989; **170:** 603
Som PM; Curtin HD; Reede DL; Holliday RA; Mancuso AA: head and neck radiology: RSNA '89 meeting notes, Radiology 1990; **174:** 909
Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M: hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Radiology 1990; **176:** 777
Som PM; Dillon WP; Fullerton GD; Zimmerman RA; Rajagopalan B; Marom Z: chronically obstructed sinonasal secretions: observations on T1 and T2 shortening, Radiology 1989; **172:** 515
Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W: benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Radiology 1989; **172:** 763
Som PM; Lawson W; Lidov MW: simulated aggressive skull base erosion in response to benign sinonasal disease, Radiology 1991; **180:** 755
Som PM; Lidov M; Lawson W: hemorrhaged cystic hygroma and facial nerve paralysis: CT and MR findings, JCAT 1990; **14:** 668
Som PM; Norton KI: lesions that manifest as medial cheek and nasolabial fold masses, Radiology 1991; **178:** 831
Som PM; Sachdev VP; Sacher MM; et al: intrafrontal sinus primary meningioma, Neuroradiol 1991; **33:** 251
Som PM; Schatz CJ; Flaum EG; et al: aneurysmal bone cyst of the paranasal sinuses associated with fibrous dysplasia: CT and MR findings, JCAT 1991; **15:** 513
Soma Y See **Sato A**
Somayaji VV See **Mannan RH**
Someda H See **Kawasaki T**
Someda H See **Tamada T**
Somers JM; Gleeson FV; Flower CDR: rupture of the right hemidiaphragm following blunt trauma: the use of ultrasound in diagnosis, Clin Radiol 1990; **42:** 97
Somers JM; Pollard SG; Dixon AK: recognition of previous abdominal surgery by computed tomography, JCAT 1991; **15:** 95
Somers S See **Markus JB**
Somerville J See **Rees S**
Sommer A See **Southard RN**
Sommer B; Kaufmann HJ; Kumm M: pulmonary arteriovenous fistula: ultrasonographic approach, Pediatr Radiol 1990; **20:** 353
Sommer FG See **Friedman PA**
Sommer FG See **Jain KA**
Sommer FG See **Tamler B**
Sommer G See **Mostbeck GH**
Sommer G See **Yacoe ME**
Sommer JD See **Colgan MP**
Sommerhoff B See **Mayo JR**
Somogyi AA; Watson-Abady JA; Mandel FS: attitudes toward the care of patients with acquired immunodeficiency syndrome: a survey of community internists, (ab), Radiology 1990; **176:** 592
Son Y See **Lusinchi A**
Son YH See **Weissberg JB**
Sonda LP See **Ellis JH**
Sondheimer FK See **Barth RA**
Sone S See **Ikezoe J**
Sone S See **Izuno I**
Sone S See **Kiyono K**
Sone S; Kasuga T; Sakai F; Aoki J; Izuno I; Tanizaki Y; Shigeta H; Shibata K: development of a high-resolution digital tomosynthesis system and its clinical application, Radiographics 1991; **11:** 807
Sone Y See **Imaeda T**
Sones RA; Lauro KL; Cattell CL: detector for scanned projection radiography, Radiology 1990; **175:** 553
Song CW See **Hasegawa T**
Song CW See **Kim GE**
Song CW See **Lee CKK**
Song CW See **Min WS**
Song CW See **Uckun FM**
Song CW; Chelstrom LM; Haumschild DJ: changes in human skin blood flow by hyperthermia, Int J Radiat Oncol Biol Phys 1990; **18:** 903
Song CW; Chelstrom LM; Levitt SH; et al: effects of temperature on blood circulation measured with the laser Doppler method, Int J Radiat Oncol Biol Phys 1989; **17:** 1041
Song CW; Lin J-C; Chelstrom LM; et al: kinetics of vascular thermotolerance in SCK tumors of A/J mice, Int J Radiat Oncol Biol Phys 1989; **17:** 799
Song H-Y; Choi K-C; Cho B-H; Ahn D-S; Kim K-S: esophagogastric neoplasms: palliation with a modified Gianturco stent, Radiology 1991; **180:** 349
Song H-Y; Choi K-C; Park J-H; et al: radiological evaluation of hepatic artery aneurysms, Gastrointest Radiol 1989; **14:** 329
Song IS See **Choi BI**
Song IS See **Kim SH**
Song MG See **Yoo S-J**
Sonnemaker RE See **Garcia EV**
Sonnenberg A See **Johanson JF**
Sonnenfeld MR; Frenna TH; Weidner N; Meyer JE: lobular carcinoma in situ: mammographic-pathologic correlation of results of needle-directed biopsy, Radiology 1991; **181:** 363
Sonomura T See **Yamada R**
Sontag M See **Coia L**
Sontag MR See **Solin LJ**
Soo MSC See **Goldberg AL**
Soo MSC; Adatepe MH: metastatic lesions arising in a Riedel's lobe: findings from a sulfur colloid liver–spleen scan, Clin Nucl Med 1990; **15:** 814
Soo MSC; Dash N; Lupetin AR; et al: intra-aortic counterpulsation balloon pumps: CT appearance, Clin Imag 1990; **14:** 225
Sood A See **Aggarwal S**
Sood GK; Mahapatra JR; Khurana A; et al: Caroli disease: computed tomographic diagnosis, Gastrointest Radiol 1991; **16:** 243
Sood KB See **Bushnell DL**
Sood S; Rao RCK; Ragav B; et al: progeria syndrome with characteristic deformation of proximal radius observed on CT, Acta Radiol 1991; **32:** 67
Soong S-J See **Spencer SA**
Sopelana N See **Caccialanza M**
Soper NDW See **Mojiminiyi OA**
Soper NJ See **Brown JJ**
Soper NJ See **Kang EH**
Soper W See **Miller FH**
Soranson JA See **McNally NJ**
Sorantin E See **Hausegger KA**
Sorbe B; Blomë L; Jansson P; et al: preoperative intrauterine irradiation of endometrial carcinoma stage I: a clinical and radiographic evaluation of the bulb technique, Acta Oncol 1990; **29:** 217
Sorbe B; Frankendal B; Risberg B: preoperative intracavitary irradiation of endometrial carcinoma stage I by a high dose rate afterloading technique, Acta Oncol 1989; **28:** 577
Sorbe B; Kjellgren O; Stênson S: prognosis of endometrial carcinoma stage I in two Swedish regions: a study with special regard to the effects of intracavitary irradiation with high dose-rate afterloading technique or with low dose-rate radium, Acta Oncol 1990; **29:** 29
Sorbe B; Roos DIF; Karlsson LG: use of microwave-induced hyperthermia in conjunction with afterloading irradiation of vaginal carcinoma: a preliminary report, Acta Oncol 1990; **29:** 1029
Sorbe BG; Smeds A-C: postoperative vaginal irradiation by a high dose-rate afterloading technique in endometrial carcinoma stage I, Acta Oncol 1989; **28:** 679
Sorbe BG; Smeds A-C: postoperative vaginal irradiation with high dose rate afterloading technique in endometrial carcinoma stage I, Int J Radiat Oncol Biol Phys 1990; **18:** 305
Sorcini B See **Nilsson B**
Sorensen AG See **Thulborn KR**
Sørensen BL See **Kjaer SK**
Sørensen D See **Hansen PV**
Sörensen L; Svanegård J; Poulsen J: changes in atrial natriuretic peptide concentration at femoral arteriography in man, Acta Radiol 1989; **30:** 665
Sørensen PG See **Groth S**
Sørensen PG See **Jensen KE**
Sorenson JA: principles of MRI, Radiology 1990; **175:** 184
Sörenson S See **Bergman B**
Sorgato P See **Crisi G**
Sorge DG See **LeQuire MH**
Sorkey AJ; Farnell MB; Williams HJ Jr; et al: complementary roles of diagnostic peritoneal lavage and computed tomography in the evaluation of blunt abdominal trauma, (ab), Radiology 1990; **175:** 289
Sorrell TC See **May GL**
Sors H See **Meyer G**
Sorteberg W; Langmoen IA; Lindegaard K-F; et al: side-to-side differences and day-to-day variations of transcranial Doppler parameters in normal subjects, J Ultrasound Med 1990; **9:** 403
Sortland O; Tysvaer AT: brain damage in former association football players: an evaluation by cerebral computed tomography, Neuroradiol 1989; **31:** 44
Sos TA See **Lossef SV**
Sos TA See **Rackson ME**
Sos TA See **Tack C**
Sos TA See **Thomsen HS**
Sosman JL See **Lee J-H**
Sośnierz A; Karel M; Maj S; et al: ultrasound appearance of the hip joint in newborns during the first week of life, JCU 1991; **19:** 271
Sosolik RC See **Desai BB**
Sosolik RC; Desai BB; Ciaravino V; et al: effect of fetal exposure to ultrasound on B lymphocyte function and antibody class production, Ultrasound Med Biol 1989; **15:** 581
Sostman HD See **Bass J**
Sostman HD See **Beam CA**
Sostman HD See **Dewhirst MW**
Sostman HD See **Grist TM**
Sostman HD See **Hansen ME**
Sostman HD See **Majumdar S**
Sostman HD See **Posteraro RH**
Sostman HD See **Spritzer CE**
Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J: soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Radiology 1990; **176:** 837
Sostman HD; Rockwell S; Sylvia AL; et al: evaluation of BA1112 rhabdomyosarcoma oxygenation with microelectrodes, optical spectrophotometry, radiosensitivity, and magnetic resonance spectroscopy, Magn Res Med 1991; **20:** 253
Sostre S; Romero I; Rivera JV; et al: gallium imaging of esophageal carcinoma: increased sensitivity with lateral views of the thorax, Clin Nucl Med 1990; **15:** 163
Sotak CH See **Freeman DM**
Sotak CH; Alger JR: pitfall associated with lactate detection using stimulated-echo proton spectroscopy, Magn Res Med 1991; **17:** 533
Sotiropoulos S; Chafetz NI; Lang P; et al: differentiation between postoperative scar and recurrent disk herniation: prospective comparison of MR, CT, and contrast-enhanced CT, AJNR 1989; **10:** 639
Sotomayor JL; Kuhns LR: abnormal gallium-67 citrate imaging in tuberculosis appearing like sarcoidosis, Clin Nucl Med 1989; **14:** 294
Souayah H See **Toppet V**
Soubra M; Dunscombe PB; Hodson DI; et al: physical aspects of external beam radiotherapy for the treatment of malignant pleural mesothelioma, Int J Radiat Oncol Biol Phys 1990; **18:** 1521
Soucek M See **Vock P**
Soucy JP; McNamara D; Mohr G; et al: evaluation of vasospasm secondary to subarachnoid hemorrhage with technetium-99m-hexamethyl-propyleneamine oxime (HM-PAO) tomoscintigraphy, J Nucl Med 1990; **31:** 972
Souda M See **Yoshimura T**
Soufer R See **Sigal SL**
Souhami L See **Roman TN**
Souhami L; Olivier A; Podgorsak EB; et al: radiosurgery of cerebral arteriovenous malformations with the dynamic stereotactic irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 775
Soul FJ; Hames TK; Thomas VL; et al: estimation of aortic and pulmonary blood flow in a paediatric population using Doppler ultrasound: an *in-vitro* study, Ultrasound Med Biol 1990; **16:** 659
Soula G See **Laurent F**
Soulen MC See **Sullivan KL**
Soulen MC; Fishman EK; Goldman SM: bacterial renal infection: role of CT: reply, Radiology 1989; **173:** 575
Soulen MC; Fishman EK; Goldman SM: bacterial renal infection: role of CT: reply, Radiology 1990; **174:** 284
Soulen MC; Fishman EK; Goldman SM: sequelae of acute renal infections: CT evaluation, Radiology 1989; **173:** 423
Soulen MC; Fishman EK; Goldman SM; Gatewood OMB: bacterial renal infection: role of CT, Radiology 1989; **171:** 703
Soulen MC; Greco-Hunt VT; Templeton P: migratory chest mass, Invest Radiol 1990; **25:** 209
Soulen MC; Miller WT Jr: ten-year-old boy with a limp, Invest Radiol 1990; **25:** 299
Soulen MC; Young WC: gastric mass, Invest Radiol 1990; **25:** 865
Soulen MC; Zerhouni EA; Fishman EK; et al: enlargement of the pancreatic head in patients with pancreas divisum, Clin Imag 1989; **13:** 51
Soulen RL See **Youker JE**

Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE: cardiac radiology. RSNA '88 meeting notes, Radiology 1989; **170:** 606
Sourkes AM See **Huda W**
Sousa P See **Köhler R**
Southall PJ See **Bagshawe KD**
Southard RN; Morris JD; Mahan JD; Hayes JR; Torch MA; Sommer A; Zipf WB: bone mass in healthy children: measurement with quantitative DXA, Radiology 1991; **179:** 735
Southee AE; Lee KJ; McLaughlin AF; et al: Tc-99m white cell scintigraphy in suspected acute infection, Clin Nucl Med 1990; **15:** 71
Southern JF See **Narula J**
Southern Surgeons Club The: prospective analysis of 1,518 laparoscopic cholecystectomies, (ab), JVIR 1991; **2:** 418
Southon TE See **Jones RA**
Souza L See **Uckun FM**
Souza SP See **Cline HE**
Souza SP See **Cousins JP**
Souza SP See **Dumoulin CL**
Souza SP See **Keller PJ**
Souza SP See **Wagle WA**
Sovak M See **Callantine MR**
Sowinski MJ See **van Rhoon GC**
Soyer P; Dobbelaere P; Benoit S: case report: transalar sphenoidal encephalocele. uncommon clinical and radiological findings, Clin Radiol 1991; **43:** 65
Soyer P; Dobbelaere P; Reizine D; et al: transalar sphenoidal meningoencephalocele associated with buccal angiomatosis: one case, J Neuroradiol 1990; **17:** 222
Soyer P; Harry G; Cazier A; et al: uterine fibromyolipoma: uncommon imaging features, Eur J Radiol 1991; **13:** 67
Soyer P; Roche A; Gad M; Shapeero L; Breittmayer F; Elias D; Lasser P; Rougier P; Levesque M: preoperative segmental localization of hepatic metastases: utility of three-dimensional CT during arterial portography, Radiology 1991; **180:** 653
Soyer P; Roche A; Levesque M; et al: CT of fibrolamellar hepatocellular carcinoma, JCAT 1991; **15:** 533
Soyeur D See **Schaaps JP**
Spadaro A See **Lee HK**
Spadone DP See **Londrey GL**
Spaedy M See **Ugarte R**
Spaeth HJ; Chandnani VP; Beltran J; et al: magnetic resonance imaging detection of early experimental periostitis: comarison of magnetic resonance imaging, computed tomography, and plain radiography with histopathologic correlation, Invest Radiol 1991; **26:** 304
Spagnolo D See **Hankey GJ**
Spanier SS; Shuster JJ; Vander Griend RA: effect of local extent of the tumor on prognosis in osteosarcoma, (ab), Radiology 1991; **178:** 295
Spann CO See **Maddux HR**
Spanos W Jr; Guse C; Perez C; et al: phase II study of multiple daily fractionations in the palliation of advanced pelvic malignancies: preliminary report of RTOG 8502, Int J Radiat Oncol Biol Phys 1989; **17:** 659
Sparén P See **Adami H-O**
Späth M See **Vogl TJ**
Spaude S See **Stone GW**
Spaulding CA See **de Lange EE**
Spaulding CA; Korb LJ; Constable WC; et al: influence of extent of neck treatment upon control of cervical lymphadenopathy in cancers of the oral tongue, Int J Radiat Oncol Biol Phys 1991; **21:** 577
Speakman CTM See **Burnett SJD**
Spear R; Mack LA; Benedetti TJ; et al: idiopathic infantile arterial calcification: in utero diagnosis, J Ultrasound Med 1990; **9:** 473
Spector JG See **Byrne MN**
Spector JG: management of juvenile angiofibromata, (ab), Radiology 1989; **172:** 295
Spector ML; Stern RC: pneumothorax in cystic fibrosis: a 26-year experience, (ab), Radiology 1989; **172:** 883
Speder A See **Karczmar GS**
Speechly-Dick ME See **Rowlands PC**
Speer AG See **Gibson RN**
Speer DP See **Pitt MJ**
Speer KP; Spritzer CE; Harrelson JM; et al: magnetic resonance imaging of the femoral head after acute intracapsular fracture of the femoral neck, (ab), Radiology 1990; **176:** 591
Spehl M See **Denays R**
Speidel CM See **Vannier MW**
Speirs RT; Raghavendra BN; Rausen A; et al: ultrasound findings in diffuse granulomatous cystitis in chronic granulomatous disease of childhood, Urol Radiol 1990; **12:** 106
Speiser B; Spratling L: intermediate dose rate remote afterloading brachytherapy for intraluminal control of bronchogenic carcinoma, Int J Radiat Oncol Biol Phys 1990; **18:** 1443
Speiser P See **Lorberboym M**
Spelbring DR See **Pelizzari CA**
Spence-Jones C See **Burnett SJD**
Spencer D; Yagan R; Blinkhorn R; et al: anterior segment upper lobe tuberculosis in the adult: occurrence in primary and reactivation disease, (ab), Radiology 1990; **176:** 588
Spencer J See **Man WK**
Spencer J; Mason A; Denton K: ossifying parotid carcinoma ex pleomorphic adenoma: CT findings, JCAT 1991; **15:** 516
Spencer JA; Fletcher EWL: deterioration following delay in performing femoral angioplasty, Br J Radiol 1990; **63:** 919
Spencer JA; Grieve DK: congenital indifference to pain mistaken for non-accidental injury, Br J Radiol 1990; **63:** 308
Spencer JA; Lindsell DRM; Isaacs D: hereditary pancreatitis: early ultrasound appearances, Pediatr Radiol 1990; **20:** 293
Spencer JA; Rogers CE; Westaby S: clinico-radiological correlates in rupture of the major airways, Clin Radiol 1991; **43:** 371
Spencer JAD; Giussani DA; Moore PJ; et al: in vitro validation of Doppler indices using blood and water, J Ultrasound Med 1991; **10:** 305
Spencer JAD; Price J: intraobserver variation in Doppler ultrasound indices of placental perfusion derived from different numbers of waveforms, J Ultrasound Med 1989; **8:** 197
Spencer JAD; Price J; Lee A: influence of fetal breathing and movements on variability of umbilical Doppler indices using different numbers of waveforms, J Ultrasound Med 1991; **10:** 37
Spencer JR See **Filmer RB**
Spencer MC See **Spies JB**
Spencer MP See **Farnell MB**
Spencer P See **Cooper JC**
Spencer PAS: pneumonia, diagnosed on the abdominal radiograph, as a cause for acute abdomen in children, Br J Radiol 1990; **63:** 306
Spencer RP See **Antar MA**
Spencer RP See **Dey HM**
Spencer RP See **Haddon M**
Spencer RP See **Mack JM**
Spencer RP See **Shoemaker DW**
Spencer RP See **Slavin JD Jr**
Spencer RP See **Sulavik SB**
Spencer RP: "ink blot" bone imaging in metastatic osteogenic sarcoma, Clin Nucl Med 1989; **14:** 848
Spencer RP; Sziklas JJ; Rosenberg RJ; et al: splenic uptake of Tc-99m MDP: possible relationship to hemosiderin, Clin Nucl Med 1990; **15:** 582
Spencer SA See **Kim RY**
Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM: three-port perineal sparing technique, Radiology 1991; **180:** 563
Spengel F See **Küffer G**
Spengel FA See **Stapff M**
Spera TD See **Quint DJ**
Sperber GO; Ericsson A; Hemmingsson A: fast method for T1 fitting, Magn Res Med 1989; **9:** 113
Sperber M See **de Verbizier G**
Sperduto PW; DeLaney TF; Thomas G; et al: photodynamic therapy for chest wall recurrence in breast cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 441
Speth PA; Kinsella TJ; Chang AE; et al: iododeoxyuridine (IdUrd) incorporation into DNA of human hematopoietic cells, normal liver and hepatic metastases in man: as a radiosensitizer and as a marker for cell kinetic studies, Int J Radiat Oncol Biol Phys 1989; **16:** 1247
Spevak M See **Hoffer FA**
Spevak MR See **Kleinman PK**
Spicer JA See **Robinson RG**
Spickler E See **Duckwiler GR**
Spickler EM See **Robinson JD**
Spickler EM; Dion JE; Lufkin RB; et al: MR appearance of endovascular embolic agents in vitro with clinical correlation, Comput Med Imag Graph 1990; **14:** 415
Spickler EM; Lufkin RB; Teresi L; et al: high-signal intraventricular cysticercosis on T1-weighted MR imaging, AJNR 1989; **10:** S64
Spickler EM; Lufkin RB; Teresi L; et al: MR imaging of acute subarachnoid hemorrhage, Comput Med Imag Graph 1990; **14:** 67
Spiegel PK See **Edwards ME**
Spiegelhoff DR See **Splittgerber GF**
Spiegler EJ See **Rivera-Luna H**
Spiegler EJ: myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Radiology 1990; **175:** 877
Spiegler EJ; Ratliff C Jr: prominent cisterna magna: Tc-99m HMPAO and MRI correlation, Clin Nucl Med 1991; **16:** 452
Spiegler EJ; Ratliff C Jr; Gillilan R: detection of tricuspid regurgitation by Tc-99m DTPA renal scintigraphy, Clin Nucl Med 1991; **16:** 92
Spielman D See **Webb P**
Spielman D; Meyer C; Macovski A; et al: ^1H spectroscopic imaging using a spectral-spatial excitation pulse, Magn Res Med 1991; **18:** 269
Spielman D; Pauly J; Macovski A; et al: spectroscopic imaging with multidimensional pulses for excitation: SIMPLE, Magn Res Med 1991; **19:** 67
Spielman D; Webb P; Macovski A: water referencing for spectroscopic imaging, Magn Res Med 1989; **12:** 38
Spielmann M See **Arriagada R**
Spielmann RP; Küng EE; Witte G; et al: magnetic resonance imaging of ruptured aneurysm of the ascending aorta, Br J Radiol 1989; **62:** 373
Spies JB See **Gilliland JD**
Spies JB: prospective randomized trials of laser angioplasty: reply, JVIR 1991; **2:** 285
Spies JB; Bakal CW; Burke DR; Husted JW; McLean G; Palestrant AM; Pentecost MJ; Schwarten DE; Spencer MC; Tate CP; van Breda A; Weyman PJ: standards for interventional radiology. practice guidelines in interventional radiology: introduction, JVIR 1991; **2:** 59
Spies JB; LeQuire MH; Brantley SD; Williams JE; Beckett WC; Mills JL: comparison of balloon angioplasty and laser thermal angioplasty in the treatment of femoropoplitteal atherosclerotic disease: initial results of a prospective randomized trial: work in progress, JVIR 1990; **1:** 39
Spies SM See **Spies WG**
Spies SM; Spies WG; Silverstein EA; et al: nuclear medicine imaging workstations based on personal computer technology, Semin Nucl Med 1990; **20:** 234
Spies WG See **Mettler FA Jr**
Spies WG See **Spies SM**
Spies WG; Wojtowicz CH; Spies SM; et al: value of post-therapy whole-body I-131 imaging in the evaluation of patients with thyroid carcinoma having undergone high-dose I-131 therapy, Clin Nucl Med 1989; **14:** 793
Spigelman AD; Murday V; Phillips RKS: cancer and the Peutz-Jeghers syndrome, (ab), Radiology 1990; **175:** 882
Spijkerboer AM; Scholten FG; Mali WPTM; van Schaik JPJ: antegrade puncture of the femoral artery: morphologic study, Radiology 1990; **176:** 57
Spiller M See **Koenig SH**
Spindola-Franco H See **Greenberg MA**
Spinelli J See **Nugent RA**
Spinks BC See **Wilkins RA**
Spire J-P See **Levin DN**
Spirn PW See **Greene R**
Spiropoulos A See **Narayan K**
Spirt BA See **Poster RB**
Spirt BA; Gordon LP: practical aspects of placental evaluation, Semin Roentgenol 1991; **26:** 32
Spirt BA; Gordon LP: sonographic evaluation of the placenta: importance of pathologic correlation, Radiology 1990; **176:** 9
Spirt BA; Oliphant M; Gordon LP: fetal central nervous system abnormalities, Radiol Clin North Am 1990; **28:** 59
Spirt BA; Oliphant M; Gottlieb RH; Gordon LP: prenatal sonographic evaluation of short-limbed dwarfism: an algorithmic approach, Radiographics 1990; **10:** 217
Spirt BA; Rauth VA; Price AP; Hayman LA: pregnancy and maternity leave: AAWR survey results, Radiology 1990; **176:** 325
Spital A; Valvo JR; Segal AJ: nondilated obstructive uropathy, (ab), Radiology 1989; **170:** 289
Spitalier J-M See **Kurtz JM**
Spittell JA Jr See **Wexler L**
Spitz MR See **Licciardello JTW**
Spitzer RM; Monajati A; Tom V; VanZandt TF: general case of the day: annual meeting, 1988, Radiographics 1989; **9:** 559
Splendiani A See **Gallucci M**
Splittgerber GF See **Czarnecki DJ**
Splittgerber GF; Spiegelhoff DR; Buggy BP: combined leukocyte and bone imaging used to evaluate diabetic osteoarthropathy and osteomyelitis, Clin Nucl Med 1989; **14:** 156
Spohn K-H See **Knüttel A**
Sporn V See **Taillefer R**
Spoto GP; Press GA; Hesselink JR; et al: intracranial ependymoma and subependymoma: MR manifestations, AJNR 1990; **11:** 83
Spoto GP; Press GA; Hesselink JR; et al: intracranial ependymoma and subependymoma: MR manifestations, AJR 1990; **154:** 837
Spouge AR; Burrows PE; Armstrong D; et al: traumatic aortic rupture in the pediatric population: role of plain film, CT and angiography in the diagnosis, Pediatr Radiol 1991; **21:** 324

Spouge AR; Weisbrod GL; Herman SJ; et al: wooden foreign body in the lung parenchyma, AJR 1990; **154:** 999
Spouge AR; Wilson SR; Gopinath N; et al: extrapulmonary *Pneumocystis carinii* in a patient with AIDS: sonographic findings, AJR 1990; **155:** 76
Sprafkin RP See **Lantinga LJ**
Spraggins TA See **White RD**
Sprague P See **Taylor DB**
Spranger J See **Lachman RS**
Spranger J See **Leicher-Düber A**
Spranger J See **Maroteaux P**
Spranger JW See **Schmidt H**
Sprangers RLH See **Reekers JA**
Spratling L See **Speiser B**
Sprayregen S See **Bakal CW**
Sprayregen S; Veith FJ; Bakal CW: catheterization and angioplasty of the nonopacified peripheral autogenous vein bypass graft, (ab), Radiology 1989; **171:** 293
Spreafico C See **Garbagnati F**
Spreafico G See **Rea F**
Sprecher S: David and Goliath, Radiology 1990; **176:** 288
Sprenger E See **Dowlatshahi K**
Sprenger HG See **Kengen RAM**
Sprenger M See **van Genderingen HR**
Sprigg A See **Ell SR**
Sprigg A See **Stringer DA**
Spriggs DW See **Kim PK**
Spriggs DW: case report 613, Skeletal Radiol 1990; **19:** 302
Sprince NL; Oliver LC; McLoud TC; et al: asbestos exposure and asbestos-related pleural and parenchymal disease: associations with immune imbalance, (ab), Radiology 1991; **181:** 908
Spring MW See **Buckland-Wright JC**
Spring MW; Buckland-Wright JC: contrast medium imbibition in osteoarthritic cartilage, Br J Radiol 1990; **63:** 823
Springate J; Christensen S; Greenfield S; et al: unusual radiographic presentation of IgA nephropathy, Pediatr Radiol 1990; **20:** 564
Springer CS Jr See **Xu Y**
Springer DJ See **Randall ME**
Spritzer CE See **Baker ME**
Spritzer CE See **Farzaneh F**
Spritzer CE See **Hansen ME**
Spritzer CE See **Lombardo DM**
Spritzer CE See **Meese RB**
Spritzer CE See **Nokes SR**
Spritzer CE See **Posteraro RH**
Spritzer CE See **Rippe DJ**
Spritzer CE See **Speer KP**
Spritzer CE; Gamsu G; Sostman HD: magnetic resonance imaging of the thorax: techniques, current applications, and future directions, J Thorac Imag 1989; **4-2:** 1
Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ: rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Radiology 1990; **176:** 255
Spritzer CE; Sostman HD; Wilkes DC; Coleman RE: deep venous thrombosis: experience with gradient-echo MR imaging in 66 patients, Radiology 1990; **177:** 235
Spurling TJ See **Winters C Jr**
Spyra WJT; Bell MR; Bahn RC; et al: detection of mild coronary stenoses using the dynamic spatial reconstructor, Invest Radiol 1990; **25:** 472
Squillante MR See **Frederick EE**
Squire LF: on teaching radiology to medical students: challenges for the nineties, AJR 1989; **152:** 457
Srejić R; Popov DV; Boričić I; et al: role of membrane water permeability in characterization of pathologically altered human stomach tissues: NMR studies, Magn Res Med 1990; **15:** 469
Sridhar KS; Bounassi MJ; Raub W Jr; et al: clinical features of adenosquamous lung carcinoma in 127 patients, (ab), Radiology 1990; **177:** 891
Srikantaswamy S See **Li Y-P**
Srinivasan A See **Kasina S**
Srinivasan M See **Cone L**
Srinivasan M See **Samaraweera RN**
Srivastava DN; Kulshrestha A; Gujral RB; et al: oral cholecystography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Gastrointest Radiol 1991; **16:** 49
Srivastava RN See **Bagga A**
Srivastava SC; Straub RF: blood cell labeling with ^{99m}Tc: progress and perspectives, Semin Nucl Med 1990; **20:** 41
Staab EV See **Frost M**
Staab EV See **Viraporngse C**
Staab EV: *info*RAD: informatics in radiology: a new column supporting an old effort, Radiographics 1991; **11:** 7
Staab EV: *info*RAD: informatics in radiology: *info*RAD at RSNA 1991, Radiographics 1991; **11:** 806
Staab EV: *info*RAD: informatics in radiology: past and future, Radiographics 1991; **11:** 218
Staab EV: *info*RAD: informatics in radiology. the 1990 pilot videodisc project, Radiographics 1991; **11:** 531
Staal GEJ See **Ouwerkerk R**
Staalman CR See **Westra SJ**
Stabile BE See **Howard TJ**
Stabile BE See **vanSonnenberg E**
Stabile I; Campbell S; Grudzinskas JG: threatened miscarriage and intrauterine hematomas: sonographic and biochemical studies, J Ultrasound Med 1989; **8:** 289
Stabile I; Grudzinskas JG; Campbell S: Doppler ultrasonographic evaluaton of abnormal pregnancies in the first trimester, JCU 1990; **18:** 497
Stabile MW See **Swaminathan S**
Stabile RJ See **Steidley KD**
Stabin MG See **Watson EE**
Stabin MG; Watson EE; Marcus CS; et al: radiation dosimetry for the adult female and fetus from iodine-131 administration in hyperthyroidism, J Nucl Med 1991; **32:** 808
Stack JP See **Brady AP**
Stack JP See **Collins CD**
Stack JP See **Lee MJ**
Stack JP See **O'Neill H**
Stack JP See **Redmond OM**
Stack JP; Redmond OM; Codd MB; Dervan PA; Ennis JT: breast disease: tissue characterization with Gd-DTPA enhancement profiles, Radiology 1990; **174:** 491
Stackhouse DJ See **Mauro MA**
Stackl W See **Hruby W**
Stacy-Humphries R; Glass-Royal M; Teitelbaum GP; et al: combined radiologic and endoscopic approach to removal of occluded double-mushroom biliary endoprosthesis: technical note, Cardiovasc Intervent Radiol 1990; **13:** 381
Stadalnik RC See **Vera DR**
Stadeager C See **Duus BR**
Stadil F: gastrinomas: clinical symdromes, Acta Oncol 1989; **28:** 379
Stadnick ME See **Groskin SA**
Stadnik TW; Luypaert RR; Neirynck EC; et al: optimization of sequence parameters in fast MR imaging of the brain with FLASH, AJNR 1989; **10:** 357
Stadnik TW; Stevenaert A; Beckers A; Luypaert RR; Buisseret T; Osteaux M: pituitary microadenomas: diagnosis with two- and three-dimensional MR imaging at 1.5 T before and after injection of gadolinium, Radiology 1990; **176:** 419
Staessen JA See **Wilms GE**
Staewen RS; Johnson AJ; Ross BD; et al: 3-D FLASH imaging using a single surface coil and a new adiabatic pulse, BIR-4, Invest Radiol 1990; **25:** 559
Stafford P See **Kliauga P**
Stafford PM See **Chu JCH**
Stafford SA See **Morrison MC**
Stagg J See **Palmaz JC**
Stagg RJ See **Venook AP**
Ståhlberg F See **Henriksen O**
Ståhlberg F See **Holtås S**
Ståhlberg F See **Thomsen C**
Stahlberg LK See **Hanigan WC**
Ståhlberg M See **Kairaluoma MI**
Staiano A; Corazziari E; Andreotti MR; et al: esophageal motility in children with Hirschsprung's disease, (ab), Radiology 1991; **181:** 296
Stain SC; Yellin AE; Weaver FA; et al: selective management of nonocclusive arterial injuries, (ab), Radiology 1990; **175:** 590
Stainken BF See **Balsara ZN**
Stake G; Monn E; Rootwelt K; et al: influence of urography on renal function in children: a double blind study with metrizoate and iohexol, Acta Radiol 1989; **30:** 643
Staker BL; Graham MM; Evans ML: effect of bicarbonate on stability of the gallium-transferrin complex, J Nucl Med 1991; **32:** 1439
Stale H See **Gustafsson D**
Stalker HP; Han BK: thalamic hyperdensity: a previously unreported sign of Sandhoff disease, AJNR 1989; **10:** 582
Stalker HP; Kaufman RA; Stedje K: significance of hematuria in children after blunt abdominal trauma, AJR 1990; **154:** 569
Stallenberg B See **Gevenois PA**
Stallworth JR See **Helmrich GA**
Stålnacke CG See **Ludwików G**
Stam HJ See **Challis GB**
Stamey TA See **Hodge KK**
Stamey TA See **Terris MK**
Stamm B See **Bessler W**
Stancato-Pasik A; Mendelson DS; Marom Z: rounded atelectasis caused by histoplasmosis, AJR 1990; **155:** 275
Standards of Practice Committee of the Society of Cardiovascular and Interventional Radiology: guidelines for percutaneous transluminal angioplasty, Radiology 1990; **177:** 619; JVIR 1990; **1:** 5
Standefer M See **Drolshagen LF**
Standen JR See **Knudson RJ**
Stanford W See **Galvin JR**
Stanford W See **Mori M**
Stanford W See **Rezai K**
Stanford W; Galvin JR: radiology of right heart dysfunction: chest roentgenogram and computed tomography, J Thorac Imag 1989; **4-3:** 7
Stanford W; Galvin JR; Skorton DJ; et al: evaluation of coronary bypass graft patency: direct and indirect techniques other than coronary arteriography, AJR 1991; **156:** 15
Stanford W; Galvin JR; Weiss RM; et al: ultrafast computed tomography in cardiac imaging: a review, Semin US CT MR 1991; **12:** 45
Stanford W; Rooholamini SA; Galvin JR: ultrafast computed tomography in the diagnosis of aortic aneurysms and dissections, J Thorac Imag 1990; **5-4:** 32
Stanger P; Cassidy SC; Girod DA; et al: balloon pulmonary valvuloplasty: results of the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Radiology 1990; **177:** 599
Stanhope CR See **Hetzel DJ**
Stanley C See **Sudakoff GS**
Stanley ER See **Kacinski BM**
Stanley P See **Wells TR**
Stanley P: Budd-Chiari syndrome, Radiology 1989; **170:** 625
Stanley P: Budd-Chiari syndrome: reply, Radiology 1989; **173:** 578
Stanley P; Geer GD; Miller JH; et al: infantile hepatic hemangiomas: clinical features, radiologic investigations, and treatment of 20 patients, (ab), Radiology 1990; **174:** 295
Stanley PC See **Malmin RE**
Stanley RB Jr: temporal approach to impacted lateral orbital wall fractures, (ab), Radiology 1989; **170:** 590
Stanley RJ See **Holley HC**
Stanley RJ See **Moss AA**
Stannard MW See **Currarino G**
Stannard MW; Currarino G: subgaleal dermoid cyst of the anterior fontanelle: diagnosis with sonography, AJNR 1990; **11:** 349
Stansberry S See **Kumar R**
Stansberry SD See **Barr LL**
Stansberry SD See **O'Keeffe FN**
Stansberry SD See **Swischuk LE**
Stansberry SD: tuberculosis in infants and children, J Thorac Imag 1990; **5-2:** 17
Stansby G See **Novell R**
Stansby G; Hilson A; Hamilton G: gallium scintigraphy in the diagnosis and management of multifocal Castleman's disease, Br J Radiol 1991; **64:** 165
Stansby G; Scoble J; Hilson A; Hamilton G: use of ACE inhibitors in patients with renal artery stenosis, Radiology 1991; **180:** 290
Stansell CA See **Seibert JJ**
Stanson AW See **Bond JR**
Stanson AW See **Cragg AH**
Stanson AW See **Nishimura RA**
Stanson AW See **Welch TJ**
Stanten R; Frey CF: comprehensive management of acute necrotizing pancreatitis and pancreatic abscess, (ab), JVIR 1991; **2:** 295
Stanton J See **Glasgow GP**
Stanton M See **Harshfield DL**
Stanton RP See **Caro PA**
Stanton-Hicks M See **Group M**
Stapff M; Zoller WG; Spengel FA: image-directed Doppler ultrasound findings in adventitial cystic disease of the popliteal artery, JCU 1989; **17:** 689
Staple TW See **Geil GE**
Staple TW See **Walot I**
Staples CA See **Mathieson JR**
Staples CA See **Müller NL**
Staples CA: pulmonary angiitis and granulomatosis, Radiol Clin North Am 1991; **29:** 973
Staples CA; Gamsu G; Ray CS; et al: high resolution computed tomography and lung function in asbestos-exposed workers with normal chest radiographs, (ab), Radiology 1989; **173:** 883
Staples J See **Wen B-C**
Staples JJ; Robinson RA; Wen B-C; et al: hemangiopericytoma—the role of radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 445
Stapleton J See **Lattimer JC**
Staren ED See **Dwarakanathan AA**
Starinsky R; Graif M; Lotan D; et al: thrombus calcification of renal vein in neonate: ultrasound and CT diagnosis, JCAT 1989; **13:** 545
Staritz M See **Brink JA**

Staritz M; Rambow A; Grosse A; et al: electromagnetically generated extracorporeal shockwaves for fragmentation of extra- and intrahepatic bile duct stones: indications, success and problems during a 15 months clinical experience, (ab), Radiology 1990; **176:** 587

Stark DD See Egglin TK

Stark DD See Elizondo G

Stark DD See Engelstad BL

Stark DD See Ferrucci JT

Stark DD See Fretz CJ

Stark DD See Hahn PF

Stark DD See Lim KO

Stark DD See Mueller PR

Stark DD See Rummeny E

Stark DD See Saini S

Stark DD See Steiner E

Stark DD See Weissleder R

Stark DD: hepatic iron overload: paramagnetic pathology, Radiology 1991; **179:** 333

Stark DD; Elizondo G; Fretz CJ: liver-specific contrast agents for MRI, Invest Radiol 1990; **25:** S58

Stark H; Tieder M; Eisenstain B; et al: hypercalcuria as a cause of persistent or recurrent haematuria, (ab), Radiology 1989; **170:** 592

Stark HA See London JF

Stark JE; Glasier CM; Blasier RD; Aronson J; Seibert JJ: osteomyelitis in children with sickle cell disease: early diagnosis with contrast-enhanced CT, Radiology 1991; **179:** 731

Stark KS; Green CE: intervention in acute myocardial infarction, Radiol Clin North Am 1989; **27:** 1205

Stark P See Greene R

Stark P: radiology of thoracic trauma, Invest Radiol 1990; **25:** 1265

Stark P; Harle T: reducing lens—an important but underused tool, Invest Radiol 1989; **24:** 721

Stark P; Smith DC; Watkins GE; Chun KE: primary intrathoracic extraosseous osteogenic sarcoma: report of three cases, Radiology 1990; **174:** 725

Stark P; Thordarson S; McKinney M: manifestations of esophageal disease on plain chest radiographs, AJR 1990; **155:** 729

Stark RM See Dales RE

Starkie CM See Roberts P

Starkschall G; Henkelmann GC; Ang KK: interactive system for point dose optimization, Int J Radiat Oncol Biol Phys 1990; **18:** 957

Starkstein SE See Pearlson GD

Starkstein SE; Folstein SE; Brandt J; et al: brain atrophy in Huntington's disease: a CT-scan study, Neuroradiol 1989; **31:** 156

Starling JR See Stratta RJ

Starnes HF See Brooks JR

Staron R See Singson RD

Staron RB See Feldman F

Starr J See Caniano DA

Starritt HC See Duck FA

Starritt HC; Duck FA; Humphrey VF: experimental investigation of streaming in pulsed diagnostic ultrasound beams, Ultrasound Med Biol 1989; **15:** 363

Starshak RJ See Arnold S

Starshak RJ See Karanauskas S

Starzl TE See Zajko AB

Stassen C See Goei R

Stassen JM See Hashimoto Y

Staszewski J See Muir CS

Staten MA; Totty WG; Kohrt WM: measurement of fat distribution by magnetic resonance imaging, Invest Radiol 1989; **24:** 345

Statz EM; Pochebit SM; Cooper A; et al: case report 525, Skeletal Radiol 1989; **18:** 299

Staudacher C See DelMaschio A

Staudinger KM See Oates E

Staudinger KM; Oates E; Naber SP: In-111 labeled leukocyte uptake in metastatic melanoma, Clin Nucl Med 1989; **14:** 626

Stauffer A See Habibian A

Stauffer P See Emami B

Stauffer PR See Chin RB

Stautz CC: CT of infantile myofibromatosis of the orbit with intracranial involvement: a case report, AJNR 1991; **12:** 184

Stavas J: clinical pelvic imaging: CT, ultrasound and MRI, Radiology 1990; **175:** 814

Stavas JM: atlas of interventional radiology, Radiology 1991; **179:** 24

Stavraka-Kakavakis A; Vlontjou E; Apostolopoulos D; et al: investigation of renovascular hypertension with ^{99m}TC-DTPA dynamic renal scanning and digital subtraction angiography, Eur J Radiol 1989; **9:** 231

Stavros AT See Yakes WF

Stazio A See Weisberg LA

Stea B See Lulu BA

Stea B See McBride H

Stea B; Cetas TC; Cassady JR; et al: interstitial thermoradiotherapy of brain tumors: preliminary results of a phase I clinical trial, Int J Radiat Oncol Biol Phys 1990; **19:** 1463

Steckel RJ See Rao A

Steckel RJ; Kagan RA: pitfalls in the diagnosis of metastatic disease or local tumor extension with modern imaging techniques, Invest Radiol 1990; **25:** 818

Stecker MM See Gibby WA

Steckmeier B See Küffer G

Stedje K See Stalker HP

Stedman T See Mikkelsen RB

Steed DL See Moosa HH

Steele AW See Forrester JM

Steele G Jr See Clarke MP

Steele JP See Radecki SE

Steele MK See Palestro CJ

Steele R See Sandhu GS

Steele RW See Glasier CM

Steen G See Brakel K

Steen RG: characterization of tumor hypoxia by ^{31}P MR spectroscopy, AJR 1991; **157:** 243

Steen RG; Tamargo RJ; Brem H; et al: *in vivo* ^{31}P nuclear magnetic resonance spectroscopy of rat 9L gliosarcoma treated with BCNU: dose response of spectral changes, Magn Res Med 1989; **11:** 258

Steenbeek JCM See Van Kuijk C

Steens RD See Anderson JEM

Steeves RA See Robins HI

Steeves RA: clinical considerations in the use of external microwaves for local hyperthermia, Radiol Clin North Am 1989; **27:** 519

Stefan H See Schneider S

Stefanadis C; Kourouklis C; Stratos C; et al: percutaneous balloon mitral valvuloplasty by retrograde left atrial catheterization, (ab), Radiology 1990; **177:** 293

Stefani P; Selli C; Nicita G; et al: treatment of urinary fistulas after resection of horseshoe kidneys by selective arterial embolization, Cardiovasc Intervent Radiol 1989; **12:** 18

Stefansson TB See Brinberg DE

Steffey DJ See Silbergleit R

Stefos T; Deter RL: individual growth curve standards for fetal head and abdominal circumferences: effect of the type of measurement on growth prediction, JCU 1989; **17:** 33

Stefos T; Deter RL; Hill RM; et al: individual growth curve standards in twins: growth in the second trimester, JCU 1989; **17:** 641

Stefos T; Deter RL; Simon NV: effect of timing of initial scan and interval between scans on Rossavik growth model specification, JCU 1989; **17:** 319

Stehling MK See Mansfield P

Stehling MK; Charnley RM; Blamire AM; et al: ultrafast magnetic resonance scanning of the liver with echo-planar imaging, Br J Radiol 1990; **63:** 430

Stehling MK; Evans DF; Lamont G; Ordidge RJ; Howseman AM; Chapman B; Coxon R; Mansfield P; Hardcastle JD; Coupland RE: gastrointestinal tract: dynamic MR studies with echo-planar imaging, Radiology 1989; **171:** 41

Stehling MK; Firth JL; Worthington BS; et al: observation of cerebrospinal fluid flow with echo-planar magnetic resonance imaging, Br J Radiol 1991; **64:** 89

Stehling MK; Howseman AM; Ordidge RJ; Chapman B; Turner R; Coxon R; Glover P; Mansfield P; Coupland RE: whole-body echo-planar MR imaging at 0.5 T, Radiology 1989; **170:** 257

Stehling MK; Mansfield P; Ordidge RJ; et al: echo-planar imaging of the human fetus *in utero*, Magn Res Med 1990; **13:** 314

Stehling MK; Ordidge RJ; Coxon R; et al: inversion-recovery echo-planar imaging (IR-EPI) at 0.5 T, Magn Res Med 1990; **13:** 514

Steidle CP See Kopecky KK

Steidley KD; Eastman RM; Stabile RJ: observations of visual sensations produced by Cerenkov radiation from high-energy electrons, Int J Radiat Oncol Biol Phys 1989; **17:** 685

Steigbigel RT See Smaldone GC

Steiger P See Genant HK

Steiger P See Glüer CC

Steiger P See Heuck AF

Steiger P See Lang P

Steiger P See Roy JN

Steiger P; Block JE; Steiger S; Heuck AF; Friedlander A; Ettinger B; Harris ST; Glüer C-C; Genant HK: spinal bone mineral density measured with quantitative CT: effect of region of interest, vertebral level, and technique, Radiology 1990; **175:** 537

Steiger R See Stewart CA

Steiger S See Steiger P

Steimle RH: Jean A. Sicard (1872–1929): his pioneer work in nervous diseases, Neuroradiol 1990; **32:** 1

Stein HJ See Hinder RA

Stein I See Makhija M

Stein JA See Borders J

Stein JA See Gundry CR

Stein JS See Lloyd DA

Stein L See Bundschuh CV

Stein M See Grosman H

Stein M; Ameli MF; Gray R; Elliott D; Grosman H; Aro L: angiographic assessment of arterial outflow: predictive value of a new classification system, JVIR 1991; **2:** 365

Stein M; Oates E: hemorrhage into a choledochal cyst in a hemophiliac child, Pediatr Radiol 1989; **20:** 118

Stein MA; Karlan MS: calcifications in breast biopsy specimens: discrepancies in radiologic-pathologic identification, Radiology 1991; **179:** 111

Stein MA; Karlan MS: immediate postoperative mammogram for failed surgical excision of breast lesions, Radiology 1991; **178:** 159

Stein MA; Karlan MS: immediate postoperative mammogram for failed surgical excision of breast lesions: reply, Radiology 1991; **180:** 20

Stein RM See Imoto EM

Stein SM See Hernanz-Schulman M

Stein SM See Kirchner SG

Stein SM See Kronenberg MW

Stein SM; Kirchner SG; Horev G; et al: atlanto-occipital subluxation in Down syndrome, Pediatr Radiol 1991; **21:** 121

Steinbach L See Holt RG

Steinbach L: atlas of human limb joints. 2nd ed, Radiology 1990; **177:** 462

Steinbach LS See Baron AL

Steinbach LS See Block JE

Steinbach LS See Weber WN

Steinbach LS: imaging of the pelvis, Radiology 1989; **172:** 744

Steinbach LS; Neumann CH; Stoller DW; et al: MRI of the knee in diffuse pigmented villonodular synovitis, Clin Imag 1989; **13:** 305

Steinbach LS; Ominsky SH; Shpall S; et al: MR imaging of spindle cell hemangioendothelioma, JCAT 1991; **15:** 155

Steinbeck G; Strander H; Carbin B-E; et al: recombinant leukocyte interferon alpha-2a and medroxyprogesterone in advanced renal cell carcinoma: a randomized trial, Acta Oncol 1990; **29:** 155

Steinberg AW; Lloyd R; Wood BP: ingested raisins simulating abdominal calcifications, Radiology 1990; **174:** 576

Steinberg EP See Kinnison ML

Steinberg EP See Moore RD

Steinberg EP See Powe NR

Steinberg F See Hunter DW

Steinberg F See Samaraweera RN

Steinberg FL See Simon M

Steinberg FL See Yucel EK

Steinberg FL; Yucel EK; Dumoulin CL; et al: peripheral vascular and abdominal applications of MR flow imaging techniques, Magn Res Med 1990; **14:** 315

Steinberg G See Marks MP

Steinberg GD See Epstein JI

Steinberg GG; Coumas JM; Breen T: preoperative localization of osteoid osteoma: a new technique that uses CT, AJR 1990; **155:** 883

Steinberg GK See DeLaPaz RL

Steinberg GK See Marks MP

Steinberg HV See Torres WE

Steinberg HV; Alarcon JJ; Bernardino ME: focal hepatic lesions: comparative MR imaging at 0.5 and 1.5 T, Radiology 1990; **174:** 153

Steinberg HV; Torres WE; Nelson RC: gallbladder lithotripsy, Radiology 1989; **172:** 7

Steinberg J See Friedman L

Steinberg JDJ; Oetomo SB; Martijn A: asymmetrical pulmonary changes in premature infants with surgical closure of a persistent ductus arteriosus, Br J Radiol 1990; **63:** 22

Steinberg ME See Chan TW

Steinberg ME See Keenan AM

Steinberg PM; Ross JS; Modic MT; et al: value of fast gradient-echo MR sequences in the evaluation of brain disease, AJNR 1990; **11:** 59

Steinberg SM See Lefor AT

Steinberg W See Huntington DK

Steinberg WM See Jacobs JM

Steinbicker V See von Rohden L

Steinbrich W See Krestin GP

Steineck G See Gerhardsson M

Steiner E; Imhof H; Knosp E: Gd-DTPA enhanced high resolution MR imaging of pituitary adenomas, Radiographics 1989; **9:** 587

Steiner E; Mueller PR; Hahn PF; et al: digital videofluorography for direct digital spot filming of gastrointestinal studies, Gastrointest Radiol 1989; **14:** 193

Steiner E; Stark DD; Hahn PF; et al: imaging of pancreatic neoplasms: comparison of MR and CT, AJR 1989; **152:** 487

Steiner G See Greenspan A

Steiner GC See Sissons HA

Steiner H See **Flueckiger F**
Steiner RE: point of view: radiology at the crossroads, Clin Radiol 1990; **42:** 161
Steiner RM See **Gross GW**
Steiner RM See **Siegelman ES**
Steiner RM See **Wechsler RJ**
Steiner RM; Flicker S; Eldredge WJ; Naidech H; Altin R; Cardinal B: clinical experience with rapid acquisition cardiovascular CT imaging (cine CT) in the adult patient, Radiographics 1989; **9:** 283
Steinfeld A: neuro-oncology: primary malignant brain tumours, Radiology 1991; **178:** 452
Steinfeld AD See **Cooper JS**
Steinfeld AD See **Hall S**
Steinfeld AD: arm edema after radiation therapy: host factors, Radiology 1991; **180:** 18
Steinfeld AD: atlas of brachytherapy: principles, techniques, and clinical applications, Radiology 1989; **170:** 882
Steinfeld AD: eicosanoids and radiation, Radiology 1989; **173:** 706
Steinfeld AD: GB-STAT, Radiology 1989; **173:** 722
Steinfeld AD: megavoltage radiotherapy 1937–1987, Radiology 1989; **171:** 564
Steinfeld AD: multimodal treatment of ovarian cancer, Radiology 1989; **171:** 702
Steinfeld AD: practical gynecologic oncology, Radiology 1989; **172:** 402
Steinfeld AD: radiation oncology: rationale, technique, results. 5th ed., Radiology 1989; **172:** 660
Steinfeld AD: radiation therapy of benign diseases, Radiology 1990; **177:** 694
Steinfeld AD: testicular germ cell tumors: review of contemporary evaluation and management, Radiology 1990; **175:** 603
Steinfeld AD: textbook of uncommon cancer, Radiology 1990; **174:** 308
Steinfeld AD: therapeutic radiology. 2d ed, Radiology 1989; **173:** 142
Steinfeld AD; Tolbert P: breast cancer treatment options, Radiographics 1990; **10:** 856
Steingart RM; Wassertheil-Smoller S; Tobin JN; et al: nuclear exercise testing and the management of coronary artery disease, J Nucl Med 1991; **32:** 753
Steinhardt G See **Luisiri A**
Steinhart JM; Kuhn JP; Eisenberg B; et al: ultrasound screening of healthy infants for urinary tract abnormalities, (ab), Radiology 1989; **171:** 888
Steinholtz L See **Brodin O**
Steinhorn D See **duCret RP**
Steinke W; Kloetzsch C; Hennerici M: carotid artery disease assessed by color Doppler flow imaging: correlation with standard Doppler sonography and angiography, AJNR 1990; **11:** 259
Steinke W; Kloetzsch C; Hennerici M: carotid artery disease assessed by color Doppler flow imaging: correlation with standard Doppler sonography and angiography, AJR 1990; **154:** 1061
Steinke W; Schwartz A; Hennerici M: Doppler color flow imaging of common carotid artery dissection, Neuroradiol 1990; **32:** 502
Steinmetz H See **Ebeling U**
Steinmetz H; Fürst G; Freund H-J: cerebral cortical localization: application and validation of the proportional grid system in MR imaging, JCAT 1989; **13:** 10
Steinmetz H; Fürst G; Freund H-J: variation of perisylvian and calcarine anatomic landmarks within stereotaxic proportional coordinates, AJNR 1990; **11:** 1123
Steinmetz H; Rademacher J; Huang Y; et al: cerebral asymmetry: MR planimetry of the human planum temporale, JCAT 1989; **13:** 996
Steinmetz R See **Taal BG**
Steinmuller DR See **Streem SB**
Stejskal V; Nilsson R; Grepe A: immunologic basis for adverse reactions to radiographic contrast media, Acta Radiol 1990; **31:** 605
Stel HV See **van den Brekel MWM**
Stella PJ See **Lee F Jr**
Stellato TA See **Gazelle GS**
Stelling CB See **Hyre HM**
Stelten J See **Koschorek F**
Stelzner M; Phillips JD; Fonkalsrud EW: acute ileus from steroid withdrawal simulating intestinal obstruction after surgery for ulcerative colitis, (ab), Radiology 1991; **178:** 290
Stendahl U See **Martin Del Campo MV**
Stendahl U; Strang P; Boman K; et al: DNA content and S-phase rate in 285 patients with invasive endometrial carcinoma: a summary, Acta Oncol 1989; **28:** 567
Stenestrand U See **DeBusk RF**
Stenning S See **Chisholm RA**
Stenning SP See **Bleehen NM**
Stenram U See **Uchiyama N**
Sténson S See **Sorbe B**
Stent TR See **Heiden RA**
Stenzl A; Fuchs GJ: giant prostatic fossa with misleading radiographic features, Urol Radiol 1989; **11:** 169
Stephens B See **West KW**
Stephens DH See **Binkovitz LA**
Stephens DH See **Dudiak KM**
Stephens DH See **Johnson CD**
Stephens DH See **Korobkin M**
Stephens DH See **Lane RH**
Stephens DH See **Luetmer PH**
Stephens DH See **Smerud MJ**
Stephens DH See **Welch TJ**
Stephens FO See **Waugh RC**
Stephens LC See **Schultheiss TE**
Stephens MA See **Stratford IJ**
Stephens R; Graham SD Jr: enucleation of tumor versus partial nephrectomy as conservative treatment of renal cell carcinoma, (ab), Radiology 1990; **177:** 597
Stephenson CA; Atkinson G; Ball TI: unusual presentation of perforation of the gallbladder, Pediatr Radiol 1991; **21:** 358
Stephenson CA; Kletzel M; Seibert JJ; et al: pancreatoblastoma: MR appearance, JCAT 1990; **14:** 492
Stephenson CA; Seibert JJ; McAndrew MP; et al: sonographic diagnosis of tenosynovitis of the posterior tibial tendon, JCU 1990; **18:** 114
Stephenson CA; Seibert JJ; Strain JD; et al: intussusception: clinical and radiographic factors influencing reducibility, Pediatr Radiol 1989; **20:** 57
Stephenson JA; Buchler DA: abdominopelvic irradiation for persistent advanced ovarian carcinoma, Int J Radiat Oncol Biol Phys 1989; **17:** 385
Stephenson SR See **Shiels WE II**
Stepišnik J; Eržen V; Kos M: NMR imaging in the earth's magnetic field, Magn Res Med 1990; **15:** 386
Sterkers O See **Martin N**
Stern BJ See **Sherman JL**
Stern E; Brill PW; Winchester P; et al: imaging of prenatally detected intra-abdominal extralobar pulmonary sequestration, Clin Imag 1990; **14:** 152
Stern HJ See **Porter-Grenn LM**
Stern J See **Roy M**
Stern J See **Vieco PT**
Stern JL See **Hricak H**
Stern JL See **Stevens SK**
Stern MJ; Patel M; Davis J; et al: painful Horner syndrome associated with occlusion of the extracranial internal carotid artery: MR imaging, JCAT 1989; **13:** 918
Stern RC See **Cohen AM**
Stern RC See **Spector ML**
Stern RL; Cline HE; Johnson GA; et al: three-dimensional imaging of the thoracic cavity, Invest Radiol 1989; **24:** 282
Stern S; Greenberg ID; Corne R: effect of exercise supplementation on dipyridamole thallium-201 image quality, J Nucl Med 1991; **32:** 1559
Stern SH See **Schmerling RH**
Sternlicht M; Daniels JR; Sales SF; Daniels A: effect of antimicrobial protection on tolerance to hepatic chemoembolization with a fibrous collagen carrier, Radiology 1989; **170:** 1067
Sternlicht M; Sales SF; Daniels JR; Daniels A: renal cisplatin chemoembolization with Angiostat, Gelfoam, and Ethiodol in the rabbit: renal platinum distributions, Radiology 1989; **170:** 1073
Sterpetti AV; Schultz RD; Feldhaus RJ; et al: ultrasonographic features of carotid plaque and the risk of subsequent neurologic deficits, (ab), Radiology 1989; **171:** 883
Stertzer SH See **Belli A-M**
Stetz J See **Lee D-J**
Stevenaert A See **Stadnik TW**
Stevens DA See **Denning DW**
Stevens EA See **Orrison WW Jr**
Stevens GN; Joiner B; Denekamp J: radioprotection of normal tissues of the mouse by hypoxic breathing, Int J Radiat Oncol Biol Phys 1989; **16:** 1165
Stevens GN; Joiner MC; Joiner B; et al: role of glutathione peroxidase in the radiation response of mouse kidney, Int J Radiat Oncol Biol Phys 1989; **16:** 1213
Stevens GN; Tattersall MHN; Biro C; et al: leiomyosarcoma following therapeutic irradiation for ankylosing spondylitis, Br J Radiol 1990; **63:** 730
Stevens JM See **Clifton AG**
Stevens JM: where you are doubtful of doing good, be sure of doing no harm, Radiology 1989; **173:** 880
Stevens JM; Barber CJ; Kerslake R; et al: extended use of cranial CT in the evaluation of patients with stroke and transient ischaemic attacks, Neuroradiol 1991; **33:** 200
Stevens JM; Barter S; Kerslake R; et al: relative safety of intravenous digital subtraction angiography over other methods of carotid angiography and impact on clinical management of cerebrovascular disease, Br J Radiol 1989; **62:** 813
Stevens MJ; Biggs BJ: metastatic thymoma: case report, Australas Radiol 1989; **33:** 168
Stevens MJ; Gonet YM: malignant psoas syndrome: recognition of an oncologic entity, Australas Radiol 1990; **34:** 150
Stevens P See **Khan A**
Stevens SK See **Semelka RC**
Stevens SK; Hricak H; Stern JL: ovarian lesions: detection and characterization with gadolinium-enhanced MR imaging at 1.5 T, Radiology 1991; **181:** 481
Stevens SK; Moore SG; Amylon MD: repopulation of marrow after transplantation: MR imaging with pathologic correlation, Radiology 1990; **175:** 213
Stevens SK; Moore SG; Kaplan ID: early and late bone-marrow changes after irradiation: MR evaluation, AJR 1990; **154:** 745
Stevens SK; Nino-Murcia M; Bloom R; et al: mesenteric cyst with atypical computed tomography appearance, Clin Imag 1989; **13:** 119
Stevens SK; Parker BR: renal oxypurine deposition in Lesch-Nyhan syndrome: sonographic evaluation, Pediatr Radiol 1989; **19:** 479
Stevenson AJM; Moss JG; Kirkpatrick AE: comparison of temperature profiles (DeVeTherm) and conventional venography in suspected lower limb thrombosis, Clin Radiol 1990; **42:** 37
Stevenson GW See **Markus JB**
Stevenson GW See **Pugash RA**
Stevenson GW See **Richards DG**
Stevenson GW: dysphagia: diagnosis and treatment, Radiology 1991; **178:** 480
Stevenson GW: radiology of gastro-oesophageal reflux, Clin Radiol 1989; **40:** 119
Stevenson MA; Calderwood SK; Coleman CN: effects of nitroimidazoles on neuronal cells in vitro, Int J Radiat Oncol Biol Phys 1989; **16:** 1225
Stevenson-Moore P See **Epstein JB**
Steves A See **Taylor A Jr**
Stevick CD See **Segall GM**
Stewart BK See **Taira RK**
Stewart BK; Honeyman JC; Dwyer SJ III: picture archiving and communication system (PACS) networking: three implementation strategies, Comput Med Imag Graph 1991; **15:** 161
Stewart BK; Lou SL; Wong WK; et al: ultrafast network for communication of radiologic images, AJR 1991; **156:** 835
Stewart CA See **Hung G-L**
Stewart CA See **Rice S**
Stewart CA; Fernandez OA: normal scapulae or rib lesions: value of arm-abducted and arm-adducted views, Clin Nucl Med 1991; **16:** 281
Stewart CA; Glaser AM; Terasaki K: massive lymphoma of the mediastinum, chest wall, and axilla, Clin Nucl Med 1989; **14:** 210
Stewart CA; Hung G-L; Garland DE; et al: heterotopic ossification: effect on dual-photon absorptiometry of the hip, Clin Nucl Med 1990; **15:** 697
Stewart CA; Hung G-L; Glaser AM; et al: infected breast reconstruction associated with Poland's syndrome, Clin Nucl Med 1990; **15:** 43
Stewart CA; Hung G-L; Siegel ME; et al: unusual pattern of lung uptake of technetium-99m sulfur colloid seen on the liver scan of a patient with pulmonary tuberculosis, Clin Nucl Med 1989; **14:** 271
Stewart CA; Hung G-L; Woodworth C: spurious recurrence of pulmonary embolism after streptokinase therapy, Clin Nucl Med 1991; **16:** 49
Stewart CA; Siegel ME; Nafis WA; et al: bone scan of recurrent colon carcinoma involving the sacrum and urinary bladder, Clin Nucl Med 1990; **15:** 513
Stewart CA; Siegel ME; Steiger R: muscle uptake on bone scintigraphy mimicking fracture of the femur, Clin Nucl Med 1990; **15:** 921
Stewart DL See **Eisenberg B**
Stewart ET See **Dodds WJ**
Stewart ET See **Foley WD**
Stewart ET See **Taylor AJ**
Stewart ET See **Wiedmeyer DA**
Stewart FA: keynote address: modulation of normal tissue toxicity by combined modality therapy: considerations for improving the therapeutic gain, Int J Radiat Oncol Biol Phys 1991; **20:** 319
Stewart FA: modification of normal tissue response to radiotherapy and chemotherapy, Int J Radiat Oncol Biol Phys 1989; **16:** 1195
Stewart FA; Oussoren Y; Luts A: long-term recovery and reirradiation tolerance of mouse bladder, Int J Radiat Oncol Biol Phys 1990; **18:** 1399
Stewart GJ; Lachman JW; Alburger PD; et al: intraoperative venous dilation and subsequent development of deep vein thrombosis in patients undergoing total hip or knee replacement, Ultrasound Med Biol 1990; **16:** 133

Stewart HD See **Howard PW**
Stewart HF See **Harris GR**
Stewart I See **Bradley MJ**
Stewart I See **Kreel L**
Stewart IET See **Leung SF**
Stewart JL See **Thomson KR**
Stewart JR See **Leavitt DD**
Stewart JSW; Hird V; Snook D; et al: intraperitoneal radioimmunotherapy for ovarian cancer: pharmacokinetics, toxicity, and efficacy of I-131 labeled monoclonal antibodies, Int J Radiat Oncol Biol Phys 1989; **16:** 405
Stewart LC See **Kohler SJ**
Stewart NR; Mann FA; Terrell CB; Murphy WA Jr: quality assessment in an ambulatory care unit: do training and responsibility conflict?, Radiology 1991; **181:** 857
Stewart PA See **Pijpers L**
Stewart PA See **Reuss A**
Stewart RE See **Fig LM**
Stewart RE; Deeb GM; Kalus ME Jr; et al: 'double right atrium' demonstrated by radionuclide ventriculography in cardiac transplantation, Clin Nucl Med 1990; **15:** 122
Stewart RE; Grossman DM; Shulkin BL; et al: iodine-131 metaiodobenzylguanidine uptake in infantile myofibromatosis, Clin Nucl Med 1989; **14:** 344
Stewart RE; Schwaiger M; Hutchins GD; et al: myocardial clearance kinetics of technetium-99m-SQ30217: a marker of regional myocardial blood flow, J Nucl Med 1990; **31:** 1183
Stewart RR See **Tassin GB**
Stewart RR; David CL; Eftekhari F; Ried HL; Fuller LM; Fornage BD: thyroid gland: US in patients with Hodgkin disease treated with radiation therapy in childhood, Radiology 1989; **172:** 159
Stieber AC; Zetti G; Todo S; et al: spectrum of portal vein thrombosis in liver transplantation, (ab), JVIR 1991; **2:** 420
Stiefel E See **Campoy F Jr**
Stiefel P See **Campoy F Jr**
Stigers KB; King JG; Davey DD; et al: abnormalities of the breast caused by biopsy: spectrum of mammographic findings, AJR 1991; **156:** 287
Stiglbauer R See **Aufricht CA**
Stiglbauer R See **Schurawitzki H**
Stigsby B See **Larsen CF**
Stijnen T See **Van Bel F**
Stiles RG See **Evancho AM**
Stiles RG: radiology department organization and radiology education, Radiology 1990; **174:** 579
Stiles RG; Belt HC: socioeconomic and political issues in radiology: a historical analysis, Radiology 1991; **180:** 823
Stiles RG; Laverina CJ; Resnick D; et al: calcar femorale: an anatomic, radiologic, and surgical correlative study, Invest Radiol 1990; **25:** 1311
Stiller RJ; de Regt RH: prenatal diagnosis of angular pregnancy, JCU 1991; **19:** 374
Stillman A See **Hunter DW**
Stillman AE: MRI of the body, Radiology 1990; **177:** 208
Stillwagon GB; Order SE; Guse C; et al: 194 hepatocellular cancers treated by radiation and chemotherapy combinations: toxicity and response: a Radiation Therapy Oncology Group study, Int J Radiat Oncol Biol Phys 1989; **17:** 1223
Stillwagon GB; Order SE; Guse C; et al: prognostic factors in unresectable hepatocellular cancer: radiation therapy oncology group study 83-01, Int J Radiat Oncol Biol Phys 1991; **20:** 65
Stimac GK See **Gean-Marton AD**
Stimac GK See **Orrison WW Jr**
Stimac GK See **Sze G**
Stinchcombe SJ; Davies P: acute toxic myopathy: a delayed adverse effect of intravenous urography with iopamidol 370, Br J Radiol 1989; **62:** 949
Stitik FP: staging of lung cancer, Radiol Clin North Am 1990; **28:** 619
Stitik FP; DiSantis DJ: lung cancer staging, Semin Roentgenol 1990; **25:** 34
Stitt JA See **Burleson WD**
Stjernswärd J See **Hanson GP**
Stjernswärd J: national training of radiotherapists in Sri Lanka and Zimbabwe: priorities and strategies for cancer control in developing countries, Int J Radiat Oncol Biol Phys 1990; **19:** 1275
Stobbe CC See **Koch CJ**
Stöber U See **Erlemann R**
Stockdale AD; Rostom AY: upper-half body irradiation for oat cell carcinoma of the bronchus, Br J Radiol 1989; **62:** 563
Stocker E: simple technique for shaping hydrophilically coated guide wires: usefulness in selective angiography, Radiology 1990; **177:** 881
Stocker JT See **Rosado-de-Christenson ML**
Stöcklin G See **Biersack HJ**
Stöcklin G See **Coenen HH**
Stoddart PGP; Holl SG: radiology is valuable to general practitioners; but who pays?, Clin Radiol 1989; **40:** 183
Stoecker WV See **Moss RH**
Stoffel TJ See **Doornbos JF**
Stoffel W See **Tunggal B**
Stojanović J See **Radanović B**
Stokely EM See **Faber TL**
Stoker DJ See **Kennedy C**
Stoker DJ: management of bone tumours—the radiologist's role, Clin Radiol 1989; **40:** 233
Stoker J See **Laméris JS**
Stokes KR See **Finn JP**
Stokes KR; Clouse ME: biliary duct stones: percutaneous transhepatic removal, Cardiovasc Intervent Radiol 1990; **13:** 240
Stokes KR; Falchuk KR; Clouse ME: biliary duct stones: update on 54 cases after percutaneous transhepatic removal, Radiology 1989; **170:** 999
Stokes KR; Strunk HM; Campbell DR; Gibbons GW; Wheeler HG; Clouse ME: five-year results of iliac and femoropopliteal angioplasty in diabetic patients, Radiology 1990; **174:** 977
Stolberg HO See **McClennan BL**
Stolberg HO: angiocardiography in congenital heart malformations, Radiology 1991; **179:** 606
Stolberg HO: cardiac catheterization, angiography and intervention. 4th ed, Radiology 1991; **181:** 84
Stolberg HO: cardiac imaging: a companion to Braunwald's Heart Disease, Radiology 1991; **180:** 684
Stolberg HO: clinical applications of cardiac digital angiography, Radiology 1989; **173:** 680
Stolberg HO: comparative cardiac imaging: function, flow, anatomy, and quantitation, Radiology 1991; **178:** 356
Stolberg HO: congenital heart disease: echocardiography and magnetic resonance imaging, Radiology 1991; **179:** 718
Stolberg HO: two-dimensional echocardiographic atlas. vol. 1, congenital heart disease, Radiology 1989; **173:** 384
Stolk JA See **Nagel TL**
Stolk MFJ; van Erpecum KJ; van Berge Henegouwen GP; et al: gallbladder volume and contraction measured by sum-of-cylinders method compared with ellipsoid and area-length methods, Acta Radiol 1990; **31:** 591
Stoll BS See **Brown HK**
Stoller DW See **Deutsch AL**
Stoller DW See **Heuck AF**
Stoller DW See **Steinbach LS**
Stoller JL See **Becker CD**
Stoller M See **Semelka RC**
Stollman A See **Abdelwahab IF**
Stoloff A See **Warnock ML**
Stolz J See **Lopiano M**
Stomp GP See **Kamman RL**
Stomp GP See **Sardashti M**
Stomper PC See **Davis SP**
Stomper PC See **Jacobson AF**
Stomper PC See **Meyer JE**
Stomper PC; Connolly JL; Meyer JE; Harris JR: clinically occult ductal carcinoma in situ detected with mammography: analysis of 100 cases with radiologic-pathologic correlation, Radiology 1989; **172:** 235
Stomper PC; Kalish LA; Garnick MB; Richie JP; Kantoff PW: CT and pathologic predictive features of residual mass histologic findings after chemotherapy for nonseminomatous germ cell tumors: can residual malignancy or teratoma be excluded?, Radiology 1991; **180:** 711
Stomper PC; Van Voorhis BJ; Ravnikar VA; Meyer JE: mammographic changes associated with postmenopausal hormone replacement therapy: a longitudinal study, Radiology 1990; **174:** 487
Stone CK See **Bajwa N**
Stone EE; Brant WE; Smith GB: computed tomography of duodenal diverticula, JCAT 1989; **13:** 61
Stone GW; Spaude S; Ligon RW; et al: usefulness of percutaneous transluminal coronary angioplasty in alleviating silent myocardial ischemia in patients with absent or minimal painful myocardial ischemia, (ab), Radiology 1990; **175:** 292
Stone HB: thermal enhancement of radiation-induced leg contracture, Int J Radiat Oncol Biol Phys 1990; **18:** 595
Stone HB; Hirst VK; Cribbs R; et al: comparison of radiosensitization by etanidazole and pimonidazole in mouse tumors, Int J Radiat Oncol Biol Phys 1991; **20:** 987
Stone JM See **Mindelzun RE**
Stone JM See **Nino-Murcia M**
Stone MD; Cady B; Jenkins RL; et al: surgical therapy for recurrent liver metastases from colorectal cancer, (ab), Radiology 1990; **177:** 889
Stone PH See **Tofler GH**
Stone PR; Skidmore R; Baker JD; et al: fetal Doppler shift waveforms in intrauterine growth retardation: Laplace transform analysis technique, Ultrasound Med Biol 1990; **16:** 773
Stone TE See **Baran GW**
Stonebridge PA See **Miller A**
Stones RW; Rae T; Rogers V; et al: pelvic congestion in women: evaluation with transvaginal ultrasound and observation of venous pharmacology, Br J Radiol 1990; **63:** 710
Stoney RJ See **Auffermann W**
Stoodley K See **Gehani AA**
Stool SE See **Rubin J**
Stoopack PM See **de Silva R**
Stordahl A See **Laerum F**
Stordahl A: urinary excretion of iohexol after intestinal administration in rats with bowel ischaemia: the effects of mesenteric arterial and/or venous occlusion, Acta Radiol 1989; **30:** 87
Stordahl A; Haider T; Laerum F: acute lethality after enteral administration of contrast media in anaesthetized rats with intestinal ischaemia, Acta Radiol 1989; **30:** 213
Storey TF; Narla LD: pleural lipoma in a child—CT evaluation, Pediatr Radiol 1991; **21:** 141
Stork E See **Morrison SC**
Stork EK See **Lewin JS**
Störkel S See **Thoenes W**
Storm BL See **O'Neil JD**
Storm FK: clinical hyperthermia and chemotherapy, Radiol Clin North Am 1989; **27:** 621
Storme G See **Van Lancker M**
Stoss H See **Lachman RS**
Stotler RE See **Gore RL**
Stott MA; Farrands PA; Guyer PB; et al: ultrasound of the common bile duct in patients undergoing cholecystectomy, JCU 1991; **19:** 73
Stotter AT; McNeese M; Oswald MJ; et al: role of limited surgery with irradiation in primary treatment of ductal *in situ* breast cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 283
Stout R See **Burt PA**
Stout R See **Sievin NJ**
Stoutenbeek P; de Jong TPVM; van Gool JD; et al: intra-uterine cystography for evaluation of prenatal obstructive uropathy, Pediatr Radiol 1989; **19:** 247
Stover DE See **Jules-Elysee KM**
Stover SL See **DeVivo MJ**
Stovner LJ See **Sand T**
Stovroff M See **Pogrebniak HW**
Stowens DW See **Gelfand MJ**
Stracher MA; Goitein M; Rowell D: evaluation of volumetric differences through 3-dimensional display of distance of closest approach, Int J Radiat Oncol Biol Phys 1989; **17:** 1095
Strada L See **Savoiardo M**
Strain JD See **Stephenson CA**
Strait CJ See **Reinig JW**
Straiton JA; McMillan MA; Morley P: ultrasound in suspected obstruction complicating renal transplantation, Br J Radiol 1989; **62:** 803
Straiton JA; Macpherson P; Teasdale EM: supplementary CT temporal lobe cuts confer no worthwhile benefit, Neuroradiol 1991; **33:** 19
Strand S-E See **Ingvar C**
Strand S-E See **Ljungberg M**
Strandberg C See **Gjørup T**
Strandberg O See **Muren C**
Strande P See **Gjøen T**
Strander H See **Steinbeck G**
Strander HA: clinical effects of interferon therapy with special emphasis on antitumor efficacy, Acta Oncol 1989; **28:** 355
Strandness DE See **van Bemmelen PS**
Strandness DE Jr See **Taylor DC**
Strandness DE Jr See **Zierler RE**
Strandness DE Jr; Barnes RW; Katzen B; Ring EJ: indiscriminate use of laser angioplasty, Radiology 1989; **172:** 945
Strandt JA See **Erickson SJ**
Strandt JA See **Sether LA**
Strang P See **Martin Del Campo MV**
Strang P See **Stendahl U**
Strange C See **Baumann MH**
Strasberg SM; Clavien P-A; Sanabria JR: laparoscopic cholecystectomy, Semin Roentgenol 1991; **26:** 232
Strashun AM See **Dunn EK**
Strasser K See **Gassner I**
Strassl H See **Dobrowsky W**
Strassner D See **Child SZ**
Stratford IJ See **Adams GE**
Stratford IJ See **Cole S**
Stratford IJ See **Joy AM**
Stratford IJ See **Yi-Zun J**
Stratford IJ; Hickson ID; Robson CN; et al: radiosensitizing and cytotoxic effects of nitroimidazoles in CHO cells expressing elevated levels of glutathione-S-transferase, Int J Radiat Oncol Biol Phys 1989; **16:** 1307

Stratford IJ; Stephens MA: differential hypoxic cytotoxicity of bioreductive agents determined *in* vitro by the MTT assay, Int J Radiat Oncol Biol Phys 1989; **16:** 973
Stratford MRL See **Hodgkiss RJ**
Stratford MRL; Dennis MF; Watts ME; et al: radiosensitizer-DNA interactions in relation to intracellular uptake, Int J Radiat Oncol Biol Phys 1989; **16:** 1007
Stratius Van Eps LW See **Van Zanten TEG**
Stratmeyer ME: FDA model for regulatory purposes, Ultrasound Med Biol 1989; **15:** 535
Straton CS; Beckmann CF; Jewell ER: aneurysm formation in distal saphenous vein bypass grafts as a cause of graft failure, Cardiovasc Intervent Radiol 1991; **14:** 167
Stratos C See **Stefanadis C**
Stratta RJ See **Castaldo P**
Stratta RJ; Starling JR; D'Alessandro AM; et al: acute colonic ileus (pseudo-obstruction) in renal transplant recipients, (ab), Radiology 1989; **171:** 585
Stratton JR; Ballem PJ; Gernsheimer T; et al: platelet destruction in autoimmune thrombocytopenic purpura: kinetics and clearance of indium-111-labeled autologous platelets, J Nucl Med 1989; **30:** 629
Straub RF See **Srivastava SC**
Straub WH See **Good WF**
Straub WH; Gur D: hidden costs of delayed access to diagnostic imaging information: impact on PACS implementation, AJR 1990; **155:** 613
Straub WH; Gur D; Good BC: visual acuity testing of radiologists—is it time?, AJR 1991; **156:** 1107
Straub WH; Gur D; Good WF; Campbell WL; Davis PL; Hecht ST; Skolnick ML; Thaete FL; Rosenthal MS; Sashin D: primary CT diagnosis of abdominal masses in a PACS environment, Radiology 1991; **178:** 739
Straub WH; Wolfe H: comparison of measured and perceived time values for radiologists' work: impact on relative value scales, Radiology 1990; **174:** 557
Straus D See **DeBlasio D**
Straus DJ See **Sanders LM**
Strauss BH See **Serruys PW**
Strauss BH; Juilliere Y; Rensing BJ; et al: edge detection versus densitometry for assessing coronary stent implantation quantitatively, (ab), JVIR 1991; **2:** 416
Strauss EB See **Cooper SG**
Strauss EB See **Fakier DR**
Strauss EB See **Kilkenny TE**
Strauss EB See **Libby PA**
Strauss HW See **Hurford WE**
Strauss HW See **Kanke M**
Strauss HW See **Meignan M**
Strauss HW: zones of increased perfusion (hot spots) on perfusion lung scans: reply, Radiology 1990; **175:** 286
Strauss LG See **Haberkorn U**
Strauss LG; Clorius JH; Kimmig B; et al: imaging positron emitting radionuclides generated during radiation therapy, Eur J Radiol 1989; **9:** 200
Strauss LG; Clorius JH; Schlag P; Lehner B; Kimmig B; Engenhart R; Marin-Grez M; Helus F; Oberdorfer F; Schmidlin P; van Kaick G: recurrence of colorectal tumors: PET evaluation, Radiology 1989; **170:** 329
Strauss LG; Conti PS: applications of PET in clinical oncology, J Nucl Med 1991; **32:** 623
Strauss S See **Peer A**
Strauss S; Pansky M; Lewinsohn G: hemorrhagic pheochromocytoma in a pregnant patient with neurofibromatosis: sonographic appearance, J Ultrasound Med 1990; **9:** 165
Strautman PR See **Capp MP**
Strautman PR; Fajardo LL; Hillman BJ; et al: evaluation of contrast dose reduction for excretory urography using computed radiography, Eur J Radiol 1989; **9:** 60
Strayer SA See **Franzek DA**
Strecker EP See **Barth KH**
Strecker EP See **Matsumoto AH**
Strecker E-P; Liermann D; Barth KH; Wolf HRD; Freudenberg N; Berg G; Westphal M; Tsikuras P; Savin M; Schneider B: expandable tubular stents for treatment of arterial occlusive diseases: experimental and clinical results. work in progress, Radiology 1990; **175:** 97
Streem SB See **Coughlin BF**
Streem SB; Novick AC; Steinmuller DR; et al: long-term efficacy of ureteral dilation for transplant ureteral stenosis, (ab), Radiology 1989; **170:** 585
Streeter OE Jr See **Ryoo MC**
Streffer C See **George KC**
Streitz JM Jr; Ellis FH Jr: iatrogenic paraesophageal hiatus hernia, (ab), Radiology 1991; **179:** 884
Streule K See **Marugg S**
Stricker T; Martin E; Boesch C: development of the human cerebellum observed with high-field-strength MR imaging, Radiology 1990; **177:** 431
Stricker T; Zuerrer M; Martin E; et al: MRI of two infants with tuberous sclerosis, Neuroradiol 1991; **33:** 175
Strickland B See **Hansell DM**
Strickland B See **Santis G**
Strickland B See **Sweatman MC**
Strickland B See **Wiggins J**
Strickland NH See **Dawson P**
Strickland SK; Khoury MB; Kiproff PM; et al: cystic artery pseudoaneurysm: a rare cause of hemobilia, Cardiovasc Intervent Radiol 1991; **14:** 183
Stricof DD See **Nusynowitz RN**
Stricof DD; Gabrielsen TO; Latack JT; et al: CT demonstration of cavernous sinus fat, AJNR 1989; **10:** 1199
Strid K-G See **Kälebo P**
Stridbeck H See **Uchiyama N**
Stridsberg M; Wilander E: islet amyloid polypeptide (IAPP): a short review, Acta Oncol 1991; **30:** 451
Strife CF See **Shultz PK**
Strife JL See **Bisset GS III**
Strife JL See **Felson B**
Strife JL See **Gelfand MJ**
Strife JL See **Hedlund GL**
Strife JL See **Shultz PK**
Strife JL; Bisset GS III; Kirks DR; et al: nuclear cystography and renal sonography: findings in girls with urinary tract infection, AJR 1989; **153:** 115
Strife JL; Matsumoto J; Bisset GS III; et al: position of the trachea in infants and children with right aortic arch, Pediatr Radiol 1989; **19:** 226
Strijk SP: pancreatic metastases of renal cell carcinoma: report of two cases, Gastrointest Radiol 1989; **14:** 123
Strike TA See **Deutsch M**
Strimling AM See **Hatfield MK**
Stringer D See **Roberts EA**
Stringer DA See **Berman LH**
Stringer DA See **Dobranowski J**
Stringer DA See **Drumm B**
Stringer DA See **McHugh K**
Stringer DA See **Manson DE**
Stringer DA; Ein SH: pneumatic reduction: advantages, risks and indications, Pediatr Radiol 1990; **20:** 475
Stringer DA; Krysl J; Manson D; et al: value of Doppler sonography in the detection of major vessel thrombosis in the neonatal abdomen, Pediatr Radiol 1990; **21:** 30
Stringer DA; O'Halpin D; Daneman A; et al: duplex Doppler sonography for renal artery stenosis in the post-transplant pediatric patient, Pediatr Radiol 1989; **19:** 187
Stringer DA; Sprigg A; Kerrigan D; et al: malignant carcinoid within a recurrent sacrococcygeal teratoma in childhood, J Canad Assoc Radiol 1990; **41:** 105
Stringer WA See **Johnson DW**
Stringer WA: accuracy of xenon CT measurement of cerebral blood flow, AJNR 1991; **12:** 86
Stringer WA; Hasso AN; Thompson JR; et al: xenon-CT cerebral blood flow evaluation of cerebral ischemia in children and young adults, JCAT 1989; **13:** 386
Strobel M See **Vassallo P**
Strode GR See **Colgan MP**
Strohbehn JW See **Coughlin CT**
Strohbehn JW See **Ryan TP**
Strohbehn JW; Curtis EH; Paulsen KD; et al: optimization of the absorbed power distribution for an annular phased array hyperthermia system, Int J Radiat Oncol Biol Phys 1989; **16:** 589
Stroka D See **Foley WD**
Strom EA; McNeese MD; Fletcher GH; et al: results of mastectomy and postoperative irradiation in the management of locoregionally advanced carcinoma of the breast, Int J Radiat Oncol Biol Phys 1991; **21:** 319
Stromski ME See **Mulkern RV**
Stromski ME; Brady HR; Gullans SR; et al: application of missing pulse steady state free precession to the study of renal microcirculation, Magn Res Med 1991; **20:** 66
Strong EW See **Harrison LB**
Strong M See **Brody AS**
Strony JT See **Boudreau RJ**
Strother CM See **Kikuchi Y**
Strother CM See **Raybaud CA**
Strother CM; Eldevik P; Kikuchi Y; et al: thrombus formation and structure and the evolution of mass effect in intracranial aneurysms treated by balloon embolization: emphasis on MR findings, AJNR 1989; **10:** 787
Strother SC See **Dhawan V**
Stroup RM; Sheibani K; Moncada A; et al: angiotropic (intravascular) large cell lymphoma: a clinicopathologic study of seven cases with unique clinical presentations, (ab), Radiology 1991; **179:** 296
Strouse PJ; Shea MJ; Guy GE; et al: aortic dissection presenting as spinal cord ischemia with a false-negative aortogram, Cardiovasc Intervent Radiol 1990; **13:** 77
Strudley MR See **Verber IG**
Struhl S; Edelson C; Pritzker H; et al: solitary (unicameral) bone cyst: the fallen fragment sign revisited, Skeletal Radiol 1989; **18:** 261
Strunk H See **Schild HH**
Strunk HM See **Stokes KR**
Struyven J See **Sintzoff SA Jr**
Stryjewski D; Leibfritz D: improved metabolite editing by the 1D soft COSY technique with 270° Gaussian-shaped pulses, Magn Res Med 1990; **15:** 340
Stryjewski D; Oschkinat H; Leibfritz D: detection of metabolites in body fluids and biological tissue by a 1D soft COSY technique, Magn Res Med 1990; **13:** 158
Stryker JA; Harvey HA; Houck JR; Manders EK; Bradfield JJ: advanced head and neck cancer: low-dose, split-course radiation therapy and simultaneous infusion of 5-fluorouracil and cisplatin, Radiology 1990; **176:** 567
Stryker JM See **Benacerraf BR**
Stryker SJ See **Prystowsky JB**
Strzembosz A See **Hammerman AM**
Stuart DD See **Sirr SA**
Stuart R See **Redmond HP**
Stubbs CC See **Stubbs JB**
Stubbs DM; Mundy WM: joint course in emergency radiology for residents in radiology and in emergency medicine, Invest Radiol 1990; **25:** 1261
Stubbs JB; Valenzuela GA; Stubbs CC; et al: noninvasive scintigraphic assessment of the colonic transit of nondigestible solids in man, J Nucl Med 1991; **32:** 1375
Stubgaard M See **Larsson HBW**
Stubgaard M See **Thomsen C**
Stuck LM See **Hassapoyannes CA**
Stucka J See **Meholic AJ**
Stuckey JG; James RH: Hexabrix 320® for C.T. (computed tomography)—patient tolerance and image quality, Australas Radiol 1990; **34:** 40
Stuckmann G See **Zollikofer CL**
Studer UE; Scherz S; Scheidegger J; et al: enlargement of regional lymph nodes in renal cell carcinoma is often not due to metastases, (ab), Radiology 1991; **178:** 589
Studley JGN See **Gallant MJ**
Stueckschweiger GF; Arian-Schad KS; Poier E; Poschauko J; Hackl A: bladder and rectal dose of gynecologic high-dose-rate implants: comparison of orthogonal radiographic measurements with in vivo and CT-assisted measurements, Radiology 1991; **181:** 889
Stuenkel CA See **Lin MC**
Stuenkel CA See **Wolf SI**
Stuhlmuller JE; Scholz TD; Olson JD; et al: magnetic resonance characterization of blood coagulation in vitro: effect of platelet depletion, Invest Radiol 1991; **26:** 343
Stuifbergen WNHM See **van Rooij WJJ**
Stull MA See **Kransdorf MJ**
Stull MA See **Moser RP Jr**
Stull MA See **Nelson MC**
Stull MA See **Tagliabue JR**
Stull MA; Moser RP Jr; Kransdorf MJ; et al: magnetic resonance appearance of peripheral nerve sheath tumors, Skeletal Radiol 1991; **20:** 9
Stull MA; Moser RP Jr; Vinh TN; et al: Paget's disease of the patella, Skeletal Radiol 1990; **19:** 407
Stults BM See **Rose SC**
Stümpflen A See **Jung M**
Stümpflen A See **Minar E**
Stunkard AJ See **Velchik MG**
Stura G See **Bradac GB**
Sturm JT; Luxenberg MG; Moudry BM; et al: does sternal fracture increase the risk for aortic rupture?, (ab), Radiology 1990; **176:** 294
Stürm RP; Estlinbaum W; Casty M: special Doppler ultrasound transducers for recording vertebral artery blood flow in rabbits, Ultrasound Med Biol 1989; **15:** 499
Stuschke M See **Budach V**
Stutley J; Cooke J; Parsons C: normal CT anatomy of the tongue, floor of mouth and oropharynx, Clin Radiol 1989; **40:** 248
Stutte H; Müller PH; d'Hoedt B; et al: ultrasonographic diagnosis of melanoma metastases in liver, gallbladder, and spleen, J Ultrasound Med 1989; **8:** 541
Stuttle AWJ See **De Kaski MC**
Stuttle AWJ; Klosok J; Peters AM; et al: sequential imaging of post-operative thrombus using the In-111-labelled platelet-specific monoclonal antibody P256, Br J Radiol 1989; **62:** 963
Stutzman CD See **Burleson WD**
Stutzman ME See **Russell CD**
Stuyck J See **Mortelmans L**
Sty JR See **Arnold S**
Sty JR See **Gregg DC**
Sty JR See **Havens PL**

Sty JR See **Karanauskas S**
Sty JR See **Milbrath MM**
Sty JR See **Tolly TL**
Sty JR See **Wells RG**
Sty JR; Wells RG: Tc-99m glucoheptonate imaging: retroperitoneal abscess, Clin Nucl Med 1990; **15:** 270
Sty JR; Wells RG: technetium-99m particle imaging: acquired pulmonary micro-arteriovenous fistulae, Clin Nucl Med 1989; **14:** 212
Styles P: quantitative spectroscopy using multiple surface coil probes, Magn Res Med 1991; **17:** 3
Styles ST See **Palestro CJ**
Stylopoulos LA See **George AE**
Stylopoulos LA See **Rusinek H**
Suarez CA See **Becker GJ**
Suarez R; Morrison D; Suarez V: case of the month: a pain in the rear, Br J Radiol 1990; **63:** 77
Suarez V See **Suarez R**
Subar M See **Knowles DM**
Subber SW See **Durham JD**
Subber SW See **Mansour MA**
Sublett E See **Robitaille P-M**
Subrahmanyam N See **Ramanathan P**
Subramanian G See **McAfee JG**
Subramanian H See **Shinnar M**
Subramanian KM; Wolf W: new radiochemical method to determine the stability constants of metal chelates attached to a protein, J Nucl Med 1990; **31:** 480
Subramanian R See **Deshpande SV**
Subramanian VH See **Detre JA**
Subramanian VH See **Reddy R**
Subramanyam B See **Goldstein SR**
Subramanyan R See **Kumar S**
Subudhi MK See **Gottlieb RH**
Suchet I See **Singer J**
Suda K See **Araki T**
Suda Y See **Mineura K**
Sudakoff GS; Mitchell DG; Stanley C; et al: frontal periventricular cysts on the first day of life: a one-year clinical follow-up and its significance, J Ultrasound Med 1991; **10:** 25
Sudarsky LA See **Roses DF**
Suddarth SA See **Dockery SE**
Suddarth SA See **Malisch TW**
Suddarth SA; Johnson GA: three-dimensional MR microscopy with large arrays, Magn Res Med 1991; **18:** 132
Suder J See **Treuner J**
Sudmeier JL See **Albert K**
Sudo A; Ogihara Y; Kusano I; et al: melorheostosis of the toe: a case report, Australas Radiol 1990; **34:** 181
Sue DE; Chicola C; Brant-Zawadzki MN; et al: MR imaging in seminal vesiculitis, JCAT 1989; **13:** 662
Suekane H; Iida M; Matsui T; et al: radiographic demonstration of longitudinal ulcers in patients with ulcerative colitis, Gastrointest Radiol 1990; **15:** 333
Sueoka BL; Kasales CJ; Harris RD; et al: MR and CT imaging of perirenal amyloidosis, Urol Radiol 1989; **11:** 97
Suess E; Malessa S; Ungersböck K; et al: technetium-99m-d,l-hexamethylpropyleneamine oxime (HMPAO) uptake and glutathione content in brain tumors, J Nucl Med 1991; **32:** 1675
Suetens P See **Nuyts J**
Sueyoshi K See **Namba H**
Suga T See **Takahashi S**
Sugahara S See **Ohara K**
Sugahara T; Yanagihara Y; Uyama C; et al: measurement of distensibility of blood vessels using cineangiograms, Invest Radiol 1989; **24:** 672
Sugai B See **Cremer M**
Sugano I See **Akai M**
Suganuma I See **Koeda T**
Sugarbaker PH See **Nelson RC**
Sugarbaker PH: surgical decision making for large bowel cancer metastatic to the liver, Radiology 1990; **174:** 621
Sugarbaker PH; Nelson RC; Murray DR; et al: segmental approach to computerized tomographic portography for hepatic resection, (ab), Radiology 1991; **179:** 589
Sugawara T See **Mineura K**
Sugihara M See **Kobayashi A**
Sugihara M See **Sugimura K**
Sugimoto S See **Iwama T**
Sugimura K; Carrington BM; Quivey JM; Hricak H: postirradiation changes in the pelvis: assessment with MR imaging, Radiology 1990; **175:** 805
Sugimura K; Kajitani A; Okizuka H; Sugihara M; Mizutani M; Ishida T: assessing response to therapy of spinal metastases with gadolinium-enhanced MR imaging, JMRI 1991; **1:** 481
Sugio K See **Yoshida Y**
Sugita A; Sachar DB; Bodian C; et al: colorectal cancer in ulcerative colitis: influence of anatomical extent and age at onset on colitis-cancer interval, (ab), Radiology 1991; **180:** 587
Sugita K See **Okudera H**
Sugita K; Ando M; Makino M; et al: magnetic resonance imaging of the brain in congenital rubella virus and cytomegalovirus infections, Neuroradiol 1991; **33:** 239
Sugita R; Takahashi S; Ishii K; et al: brain CT and MR findings in hyperphenylalaninemia due to dihydropteridine reductase deficiency (variant of phenylketonuria), JCAT 1990; **14:** 699
Sugiura N See **Ebara M**
Sugiura S See **Tropp JS**
Sugiura Y: polytopic dystelephalangy of the fingers, Pediatr Radiol 1989; **19:** 493
Sugiyama M See **Tanaka K**
Sugrue DD See **Holt GW**
Suh DC; Chang KH; Han MH; et al: unusual MR manifestations of neurocysticercosis, Neuroradiol 1989; **31:** 396
Suh SJ See **Lim JH**
Suhar A See **Osmak M**
Suhonen M See **Yang XM**
Suhr GM; Green AE Jr: rectus abdominis sheath hematoma as a complication of tetanus: diagnosis by computed tomography scanning, Clin Imag 1989; **13:** 82
Suibnugarn C See **Mahaisavariya B**
Suit HD See **Baumann M**
Suit HD See **Marks LB**
Suit HD See **Miralbell R**
Suit HD See **Zietman AL**
Suit HD; Miralbell R: potential impact of improvements in radiation therapy on quality of life and survival, Int J Radiat Oncol Biol Phys 1989; **16:** 891
Suit HD; Zietman A; Tomkinson KN; et al: radiation response of xenografts of a human squamous cell carcinoma and a glioblastoma multiforme: a progress report, Int J Radiat Oncol Biol Phys 1990; **18:** 365
Sujov P; Herschkowitz S; Jerushalmi J: transient nonvisualizaton of gallbladder in an asphyxiated neonate, Clin Nucl Med 1990; **15:** 50
Sujov PO See **Blazer S**
Sukigara M; Kimura S; Adachi H; et al: primary Budd–Chiari syndrome: demonstration by real-time two-dimensional Doppler echography, JCU 1989; **17:** 615
Sulavik SB; Palestro CJ; Spencer RP; et al: extrapulmonary sites of radiogallium accumulation in sarcoidosis, Clin Nucl Med 1990; **15:** 876
Suleiman OH See **Conway BJ**
Suleiman OH See **Rueter FG**
Suleiman OH; Anderson J; Jones B; Rao GUV; Rosenstein M: tissue doses in the upper gastrointestinal fluoroscopy examination, Radiology 1991; **178:** 653
Sulimani RA; El-Desouki M: Hashimoto's thyroiditis presenting as hot and cold nodules, Clin Nucl Med 1990; **15:** 315
Süller A See **Diren HB**
Sullivan B See **Blethyn J**
Sullivan CJ See **Englund JA**
Sullivan DB See **Hernandez RJ**
Sullivan DC See **Faulstich ME**
Sullivan DC See **Linden SS**
Sullivan DC See **Munechika H**
Sullivan DC: ductal carcinoma in situ: atypical mammographic appearances, Radiology 1990; **175:** 285
Sullivan DC; Beam CA; Goodman SM; Watt DL: measurement of force applied during mammography, Radiology 1991; **181:** 355
Sullivan GW See **Orrison WW**
Sullivan HJ See **Grieco JG**
Sullivan J See **Desai MB**
Sullivan J See **Lang EK**
Sullivan JS See **Hirsch JI**
Sullivan JW See **Petrovitch JA**
Sullivan JW: gastrointestinal cancer: radiation therapy, Radiology 1991; **178:** 572
Sullivan JW: pediatric radiation oncology, Radiology 1990; **176:** 508
Sullivan KL See **Bonn J**
Sullivan KL See **Kashdan BJ**
Sullivan KL; Bagley DH Jr; Gordon SJ; Soulen MC; Grasso M; Bonn J; Shapiro MJ: transhepatic laser lithotripsy of choledocholithiasis: initial clinical experience, JVIR 1991; **2:** 387
Sullivan KL; Gadacz TR; Mitchell SE; et al: porcine model for the development of interventional techniques in the gallbladder, Invest Radiol 1989; **24:** 754
Sullivan KL; Gardiner GA Jr; Shapiro MJ; Bonn J; Levin DC: acceleration of thrombolysis with a high-dose transthrombus bolus technique, Radiology 1989; **173:** 805
Sullivan LD See **Theyer G**
Sullivan MA See **Bluth EI**
Sullivan ME; Goldstein HA; Sansone KJ; et al: hemodynamic effects of Gd-DTPA administered via rapid bolus or slow infusion: a study in dogs, AJNR 1990; **11:** 537
Sullivan RR; Johnson MB; Lee KP; et al: color Doppler sonographic findings in renal vascular lesions, J Ultrasound Med 1991; **10:** 161
Sullivan T; Villanueva-Meyer J; Liu C-K; et al: watershed infarcts, Tc-99m HMPAO SPECT and CT correlation: case reports, Clin Nucl Med 1991; **16:** 170
Sullivan WA Jr See **Tadavarthy AK**
Suma V; Marini A; Gamba PG; et al: giant hemangioma of the thigh: prenatal sonographic diagnosis, JCU 1990; **18:** 421
Sumerling MD See **Veale D**
Sumi M See **Tsuchigame T**
Sumie H See **Iwasaki S**
Sumie H See **Shimoda-Matsubayashi S**
Suminski N; Johnson MB; Ralls PW: color Doppler sonography in gallbladder carcinoma, JCU 1991; **19:** 183
Sumkin JH See **Greenler DP**
Sumkin JH See **Johns CM**
Sumkin JH See **Kaplan SB**
Sumkin JH See **Marder DM**
Summerfield JA: biliary obstruction is best managed by endoscopists (editorial), (ab), Radiology 1989; **170:** 581
Summers RM; Joseph PM; Kundel HL: sodium nuclear magnetic resonance imaging of neuroblastoma in the nude mouse, Invest Radiol 1991; **26:** 233
Summers RW See **Maher JW**
Summers TA See **Sacks D**
Summerville DA See **Bellah RD**
Summerville DA See **Flynn BM**
Sumner TE See **Auringer ST**
Sumners JE See **Benson JT**
Sumners JE; Findley GM; Ferguson KA: evaluation methods for intrauterine growth using neonatal fat stores instead of birth weight as outcome measures: fetal and neonatal measurements correlated with neonatal skinfold thicknesses, JCU 1990; **18:** 9
Sun C-CJ See **Nuovo MA**
Sun WH See **Park CM**
Sun Y See **Finch IJ**
Sunami N See **Yamamoto Y**
Sundaram M See **Awwad EE**
Sundaram M See **Baker BK**
Sundaram M See **Baran GA**
Sundaram M See **Fishbein MJ**
Sundaram M See **Kaufmann GA**
Sundaram M See **Malpani AR**
Sundaram M: bone tumors: clinical, radiologic, and pathologic correlations. 2 vols, Radiology 1990; **175:** 736
Sundaram M: CIBA collection of medical illustrations. vol 8, musculoskeletal system (three parts), Radiology 1991; **181:** 388
Sundaram M: renal osteodystrophy, Skeletal Radiol 1989; **18:** 415
Sundaram M; Baran G; Merenda G; et al: myxoid liposarcoma: magnetic resonance imaging appearances with clinical and histological correlation, Skeletal Radiol 1990; **19:** 359
Sundaram M; Chalk D; Merenda J; et al: case report 563, Skeletal Radiol 1989; **18:** 463
Sundaram M; Dessner D; Ballal S: solitary, spontaneous cervical and large bone fractures in aluminum osteodystrophy, Skeletal Radiol 1991; **20:** 91
Sundaram M; McDonald DJ; Merenda G: intramuscular myxoma: a rare but important association with fibrous dysplasia of bone, AJR 1989; **153:** 107
Sundaram M; McLeod RA: MR imaging of tumor and tumorlike lesions of bone and soft tissue, AJR 1990; **155:** 817
Sundararaman S; Denman DL; Legorreta RA; et al: modification of specific absorption rates in interstitial microwave hyperthermia via tissue-equivalent material bolus, Int J Radiat Oncol Biol Phys 1990; **19:** 677
Sundell-Bergman S; Johanson KJ; Richter S; et al: enhancement of radiation sensitivity in iododeoxyuridine labelled cells exposed to low energy x-rays, Acta Oncol 1990; **29:** 623
Sunderland K See **Rostom AY**
Sunder-Plassmann L See **Mayr B**
Sundin A See **Henriksson L**
Sundkvist G; Hillarp B; Lilja B; et al: esophageal motor function evaluated by scintigraphy, video-radiography and manometry in diabetic patients, Acta Radiol 1989; **30:** 17
Sundler F; Böttcher G; Ekblad E; et al: neuroendocrine system of the gut, Acta Oncol 1989; **28:** 303
Sundler F; Ekblad E; Håkanson R: neuroendocrine system of the gut—an update, Acta Oncol 1991; **30:** 419
Sundram FX; Chua ET; Goh ASW; et al: bone scintigraphy in nasopharyngeal carcinoma, Clin Radiol 1990; **42:** 166
Sundström CJ See **Nyman RS**
Sundström JC See **Rehn SM**
Sundt TM Jr See **Meyer FB**
Suneja SK; Teal JS: discrepant sulfur colloid and radioparticle liver uptake in superior vena cava obstruction: case report, J Nucl Med 1989; **30:** 113

Sung RYT; So LY; Ho JKS; et al: mediastinal T-cell lymphoma mimicking pericardial effusion, JCU 1991; **19:** 377
Sunnegårdh J See **Nyman R**
Sunnegårdh O See **Billström Å**
Sunnegårdh O; Hietala S-O; Holtz E: systemic, pulmonary and renal haemodynamic and renal morphologic effects of intravenously infused iodixanol: a study in the pig of a new iso-osmolar contrast medium, Acta Radiol 1990; **31:** 513
Sunnegårdh O; Hietala S-O; Wirell S; et al: systemic, pulmonary and renal haemodynamic effects of intravenously infused iopentol: a comparison in the pig of a new low osmolar non-ionic medium with saline and iohexol, Acta Radiol 1990; **31:** 395
Sunnegårdh O; Hietala S-O; Wirell S; et al: systemic, pulmonary and renal haemodynamic effects of large intravenous doses of high and low osmolar contrast media: an investigation in the pig of ratio 1.5 and ratio 3 media, Acta Radiol 1990; **31:** 297
Sunshine J See **Lopiano M**
Sunshine JH; Mabry MR; Bansal S: volume and cost of radiologic services in the United State in 1990, AJR 1991; **157:** 609
Suntharalingam N See **Palta JR**
Suntharalingam N See **Saw CB**
Suojanen JN See **Wang A-M**
Suramo I See **Myllymäki T**
Surosky BA See **Simon NV**
Surratt JT; Monsees BS; Mazoujian G: calcium oxalate microcalcifications in the breast, Radiology 1991; **181:** 141
Surratt JT; Siegel MJ: imaging of pediatric ovarian masses, Radiographics 1991; **11:** 533
Surratt JT; Siegel MJ; Middleton WD: sonography of complications in pediatric renal allografts, Radiographics 1990; **10:** 687
Surratt RS See **Hicks ME**
Surratt RS; Picus D; Hicks ME; et al: importance of preoperative evaluation of the subclavian vein in dialysis access planning, AJR 1991; **156:** 623
Surveyor I; Mullan BP; Barr AL; et al: images before and after splenectomy showing the distribution of homologous In-111 platelets in a case of immune thrombocytopenic purpura, Clin Nucl Med 1990; **15:** 850
Suslavich FJ; Turner NA; King PS; Brown HK: intraabdominal adhesions: intraoperative US, Radiology 1989; **172:** 387
Susman N See **Hammerman AM**
Susskind H See **Schlessel JS**
Sussman NM See **LaManna MM**
Sussman SK See **Gage TS**
Sussman SK See **Glassberg RM**
Sussman SK See **Glickstein MF**
Sussman SK See **Jacobs JE**
Sussman SK See **Pistoia F**
Sussman SK; Glickstein MF; Krzymowski GA: hypointense renal cell carcinoma: MR imaging with pathologic correlation, Radiology 1990; **177:** 495
Sussman SK; Jacobs JE; Glickstein MF; et al: cross-sectional imaging of idiopathic solitary renal vein varix: report of two cases, Urol Radiol 1991; **13:** 98
Suster S See **Moran CA**
Suster S; Rosai J: multilocular thymic cyst: an acquired reactive process—study of 18 cases, (ab), Radiology 1991; **180:** 885
Sutcliffe SB See **Gospodarowicz MK**
Suter CM See **Attar S**
Sutherland FR See **Bach DB**
Sutherland G; Peeling J; Lesiuk H; et al: experimental cerebral ischemia studied using nuclear magnetic resonance imaging and spectroscopy, J Canad Assoc Radiol 1990; **41:** 24
Sutherland GR: computers in radiology departments, Br J Radiol 1990; **63:** 89
Sutherland JB See **Blanchard RJW**
Sutherland JB See **Palser R**
Sutherland JB; Huda W: cost and benefits of low-osmolality contrast agents in radiology, J Canad Assoc Radiol 1989; **40:** 18
Sutherland ML See **Teasler FN**
Sutherland RM See **Dobrucki JW**
Sutherland RM See **Kwok TT**
Sutherland RM See **Wilson RE**
Suto Y; Caner BE; Tamagawa Y; et al: subtracted synthetic images in Gd-DTPA enhanced MR, JCAT 1989; **13:** 925
Sutton GP See **Kopecky KK**
Sutton L See **Weiss M**
Sutton RT See **Larcos G**
Suwa H See **Hanakita J**
Suwanwela N See **Pantongrag-Brown L**
Suy RM See **Wilms GE**
Suzuki A See **Murayama C**
Suzuki A; Muto S; Oshima M; et al: new scanning method for thallium-201 myocardial SPECT: semidecubital position method, Clin Nucl Med 1990; **14:** 736
Suzuki H; Toriwaki J-i: automatic segmentation of head MRI images by knowledge guided thresholding, Comput Med Imag Graph 1991; **15:** 233
Suzuki J-I See **Caputo GR**
Suzuki J-I See **Semelka RC**
Suzuki J-i; Caputo GR; Kondo C; et al: cine MR imaging of valvular heart disease: display and imaging parameters affect the size of the signal void caused by valvular regurgitation, AJR 1990; **155:** 723
Suzuki K See **Miyake H**
Suzuki K See **Mori H**
Suzuki M See **Ishigaki T**
Suzuki M See **Tokumaru A**
Suzuki M; Takashima T; Kadoya M; et al: height of normal pituitary gland on MR imaging: age and sex differentiation, JCAT 1990; **14:** 36
Suzuki M; Takashima T; Kadoya M; et al: MR imaging of olfactory bulbs and tracts, AJNR 1989; **10:** 955
Suzuki M; Takashima T; Kadoya M; et al: pericallosal lipomas: MR features, JCAT 1991; **15:** 207
Suzuki N See **Houkin K**
Suzuki N See **Nakada T**
Suzuki N; Kwee IL; Tamas LB; et al: ^{31}P NMR spectroscopy of 9L cell line in culture: differential effects of high temperature on anchored cells and spheroids, Magn Res Med 1991; **19:** 422
Suzuki S See **Higashi TS**
Suzuki S See **Yamada I**
Suzuki S See **Yoshimatsu S**
Suzuki T See **Haruma K**
Suzuki T See **Murayama C**
Suzuki T See **Tamura A**
Suzuki T; Koizumi J; Shiraishi H; et al: mitochondrial encephalomyopathy (MELAS) with mental disorder: CT, MRI and SPECT findings, Neuroradiol 1990; **32:** 74
Suzuki Y See **Watanabe A**
Suzuki Y See **Yamauchi K**
Svahn-Tapper G; Nilsson P; Jönsson C; et al: calculation and measurements of absorbed dose in total body irradiation, Acta Oncol 1990; **29:** 627
Svane B; Bone D: thallium-201 single photon emission computed tomography in patients with symptoms of heart disease and non-significant coronary artery lesions, Acta Radiol 1990; **31:** 463
Svane B; Bone D; Holmgren A: coronary angiography and thallium-201 single photon emission computed tomography in single vessel coronary artery disease, Acta Radiol 1990; **31:** 237
Svane B; Bone D; Holmgren A: coronary angiography and thallium-201 single photon emission computed tomography in multiple vessel coronary artery disease, Acta Radiol 1990; **31:** 325
Svane B; Bone D; Holmgren A; et al: polar presentation of coronary angiography and thallium-201 single photon emission computed tomography: a method for comparing anatomic and pathologic findings in coronary angiography with isotope distribution in thallium-201 myocardial SPECT, Acta Radiol 1989; **30:** 561
Svane G See **Azavedo E**
Svane G See **Nylén U**
Svane G See **Rotstein S**
Svanegård J See **Sörensen L**
Svartengren G See **Muren C**
Svedström E See **Kiuru A**
Svedström EJ; Kiuru A; Puhakka HJ: dynamic imaging of pulmonary ventilation in children using digital subtraction radiography, Acta Radiol 1990; **31:** 53
Svedström EJ; Puhakka HJ; Kero P: how accurate is chest radiography in the diagnosis of tracheobronchial foreign bodies in children?, Pediatr Radiol 1989; **19:** 520
Svendsen O See **Thomsen HS**
Svendsen P See **Berthelsen B**
Svendsen TL See **Kjøller E**
Svenningsen S See **Anda S**
Svensson Å See **Ehrenberg L**
Svensson C: erythema multiforme in a patient receiving radiation therapy—a case report, Acta Oncol 1991; **30:** 396
Svensson C; Pershagen G; Klominek J: smoking and passive smoking in relation to lung cancer in women, Acta Oncol 1989; **28:** 623
Svensson GK See **Tsai J-S**
Svensson GK: AAPM symposium on basic physics: quality assurance in external beam radiation therapy, Radiographics 1989; **9:** 169
Svensson H See **Mattsson O**
Svensson H; Hanson GP; Zsdánszky K: IAEA/WHO TL dosimetry service for radiotherapy centres 1969–1987, Acta Oncol 1990; **29:** 461
Svensson LG See **Crawford ES**
Svensson WE See **Al-Murrani B**
Svetkey LP See **Dunnick NR**
Svetkey LP See **Roubidoux MA**
Svihus R See **Rinck PA**
Svoren E See **Sarajlić M**
Swailem FM See **Koral KF**
Swain JA; Robbins RC; Balaban RS; et al: effect of cardiopulmonary bypass on brain and heart metabolism: a ^{31}P NMR study, Magn Res Med 1990; **15:** 446
Swain M See **Skinner MA**
Swaminathan AP See **Dasmahapatra KS**
Swaminathan S; Quinn J; Stabile MW; et al: long-term pulmonary sequelae of meconium aspiration syndrome, (ab), Radiology 1990; **176:** 296
Swan JS; Braunstein EM; Capello W: aspiration of the hip in patients treated with girdlestone arthroplasty, AJR 1991; **156:** 545
Swan JS; Braunstein EM; Wellman HN; et al: contrast and nuclear arthrography in loosening of the uncemented hip prosthesis, Skeletal Radiol 1991; **20:** 15
Swan TL See **Neal CE**
Swan TL: clinical imaging: an introduction to the role of imaging in clinical practice, Radiology 1989; **170:** 50
Swan TL: fundamentals of skeletal radiology, Radiology 1989; **173:** 192
Swan TL: imaging in clinical practice, Radiology 1989; **172:** 640
Swank M See **Boker SM**
Swann CA See **Kopans DB**
Swanson KS See **Conway WF**
Swanson SD; Quint LE; Yeung HN: proton-enhanced ^{13}C imaging/spectroscopy by polarization transfer, Magn Res Med 1990; **15:** 102
Swärd L See **Hellström M**
Swärd L See **Kälebo P**
Swärd L; Hellström M; Jacobsson B; et al: spondylolysis and the sacro-horizontal angle in athletes, Acta Radiol 1989; **30:** 359
Swartz HM See **Dobrucki JW**
Swartz HM See **Glockner JF**
Swartz HM; Boyer S; Gast P; et al: measurements of pertinent concentrations of oxygen *in vivo*, Magn Res Med 1991; **20:** 333
Swartz JD See **Merenich WM**
Swartz JD: current imaging approach to the temporal bone, Radiology 1989; **171:** 309
Swartz JD: otosclerosis, diagnosis, and differential diagnosis, Semin US CT MR 1989; **10:** 251
Swartz JD; D'Angelo AJ Jr; Harnsberger HR; et al: laryngeal mucocele: imaging analysis of a rare lesion, Clin Imag 1990; **14:** 110
Swartz JD; Rothman MI; Marlowe FI; et al: MR imaging of parotid mass lesions: attempts at histopathologic differentiation, JCAT 1989; **13:** 789
Swartz JD; Zwillenberg S; Berger AS: acquired disruptions of the incudostapedial articulation: diagnosis with CT, Radiology 1989; **171:** 779
Swatez IM: computed cranial and spinal imaging: a practical introduction, Radiology 1989; **171:** 792
Swatez IM: renal cystic disease, Radiology 1989; **173:** 430
Swayne LC See **Caruana V**
Swayne LC See **Cutillo DP**
Swayne LC See **Kaplan IL**
Swayne LC See **McLaughlin MG**
Swayne LC See **Rubenstein JB**
Swayne LC: bone imaging in unusually massive breast carcinoma with chest wall invasion, Clin Nucl Med 1991; **16:** 593
Swayne LC: gallium-67 detection of intramammary injection sites secondary to intravenous drug abuse, Clin Nucl Med 1990; **14:** 693
Swayne LC: uterine doughnut: potential pitfall for technetium-99m gastrointestinal bleeding study, Clin Nucl Med 1990; **14:** 759
Swayne LC; Bajakian RL: diffuse uptake of osteotropic radionuclide in the breast secondary to superior vena caval obstruction, Clin Nucl Med 1990; **15:** 110
Swayne LC; Dorsky S; Caruana V; et al: septic arthritis of a lumbar facet joint: detection with bone SPECT imaging, J Nucl Med 1989; **30:** 1408
Swayne LC; Ginsberg HN: diagnosis of acute cholecystitis by cholescintigraphy: significance of pericholecystic hepatic uptake, AJR 1989; **152:** 1211
Swayne LC; Ginsberg HN: pericholecystic hepatic activity in a postcholecystectomy patient, Clin Nucl Med 1989; **14:** 382
Swayne LC; Ginsberg HN; Parr GVS: unusual collateral venous blood flow following surgical repair of a thoracic aortic dissection, Clin Nucl Med 1991; **16:** 283
Swayne LC; Kaplan IL: gallium SPECT detection of neoplastic intravascular obstruction of the superior vena cava, Clin Nucl Med 1989; **14:** 823
Swayze VW II; Andreasen NC; Ehrhardt JC; et al: developmental abnormalities of the corpus callosum in schizophrenia, (ab), Radiology 1991; **178:** 899
Swearingen B See **Domingues RC**

Sweatman MC; Millar AB; Strickland B; et al: computed tomography in adult obliterative bronchiolitis, Clin Radiol 1990; **41:** 116
Sweeney JK See **Pratt TA**
Sweeney LE See **Carson DJ**
Sweet DE See **Hopper KD**
Sweet EM See **Merten DF**
Sweet JM See **Dyke CH**
Sweet RL See **Darney PD**
Sweezey NB See **Griscom NT**
Sweezey NB; Fellows KE: bronchial artery embolization for severe hemoptysis in cystic fibrosis, (ab), Radiology 1991; **178:** 291
Swensen SJ See **Brown LR**
Swensen SJ; Brown LR: conventional radiography of the hilum and mediastinum in bronchogenic carcinoma, Radiol Clin North Am 1990; **28:** 521
Swensen SJ; Ehman RL; Brown LR: magnetic resonance imaging of the thorax, J Thorac Imag 1989; **4-2:** 19
Swensen SJ; Harms GF; Morin RL; et al: CT evaluation of solitary pulmonary nodules: value of 185-H reference phantom, AJR 1991; **156:** 925
Swensson RG See **Seltzer SE**
Swensson RG See **Silverman SG**
Swensson RG; Theodore GH: search and nonsearch protocols for radiographic consultation, Radiology 1990; **177:** 851
Sweren BS; Bohlman ME: gastric and splenic infarction: a complication of intraarterial vasopressin infusion, Cardiovasc Intervent Radiol 1989; **12:** 207
Swett HA; Fisher PR; Cohn AI; Miller PL; Mutalik PG: expert system–controlled image display, Radiology 1989; **172:** 487
Swift JE; Blend MJ; Bekerman C; et al: detection of pulmonary metastases in a patient with synovial cell sarcoma using In-111 labeled monoclonal antibody 19-24, Clin Nucl Med 1990; **15:** 227
Swinford RD See **Brown EJ Jr**
Swiniarski JK See **Shtern F**
Swirsky MH: alimentary tract radiology. 4th ed, 2 vols, Radiology 1990; **174:** 348
Swischuk LE See **Barr LL**
Swischuk LE See **Hayden CK Jr**
Swischuk LE See **Kumar R**
Swischuk LE See **O'Keeffe FN**
Swischuk LE; Hayden CK Jr; Stansberry SD: sonographic pitfalls in imaging of the antropyloric region in infants, Radiographics 1989; **9:** 437
Swischuk LE; Stansberry SD: calcific discitis: MRI changes in discs without visible calcification, Pediatr Radiol 1991; **21:** 365
Swischuk LE; Stansberry SD: pulmonary vascularity in pediatric heart disease, J Thorac Imag 1989; **4-3:** 1
Swischuk LE; Stansberry SD: radiographic manifestations of anomalies of the chest wall, Radiol Clin North Am 1991; **29:** 271
Swischuk LE; Stansberry SD: ultrasonographic detection of free peritoneal fluid in uncomplicated intussusception, Pediatr Radiol 1991; **21:** 350
Switzer P; Gomori JM; Eliashiv S: Gd-DTPA enhanced MRI of herpes simplex encephalitis: a case report, Clin Imag 1991; **15:** 121
Switzer PJ See **Silver SF**
Swobodnik W See **Janowitz P**
Swobodnik W; Hagert N; Janowitz P; Wenk H: diagnostic fine-needle puncture of the gallbladder with US guidance, Radiology 1991; **178:** 755
Swyer AJ See **Palestro CJ**
Swyer AJ; Palestro CJ; Kim CK; et al: appearance of fibrous dysplasia on In-111 labeled leukocyte scintigraphy, Clin Nucl Med 1991; **16:** 133
Syha J See **Van Bruggen N**
Sykes HF; Sim DA; Wong CJ; et al: local-regional recurrence in breast cancer after mastectomy and adriamycin-based adjuvant chemotherapy: evaluation of the role of postoperative radiotherapy, Int J Radiat Oncol Biol Phys 1989; **16:** 641
Sykes JT; Mulligan SA: MRI of internal derangement of the knee with arthroscopic correlation, Australas Radiol 1990; **34:** 207
Sylvester J; Fuentes RT; Holmes RA: discordant radioaerosol/radioperfusion in drug-induced maternal pulmonary edema, Clin Nucl Med 1990; **14:** 686
Sylvia AL See **Sostman HD**
Syme J See **Sage MR**
Symonds RP See **Jones RD**
Syner FN See **Drugan A**
Syrjälä MT; Savolainen S; Nieminen U; et al: splenic dynamics of indium-111 labeled platelets in idiopathic thrombocytopenic purpura, J Nucl Med 1989; **30:** 1546
Syrota A See **de Kerviler E**
Syrota A See **Delforge J**
Syrota A See **Jehenson P**
Szabo RM See **Gerscovich EO**
Szabo RM See **Greenspan A**
Szabo Z See **Jeffery PJ**
Szapiro N See **Bouachour G**
Szczesniak E See **Andrew ER**
Sze DY; Corbelletta NL; Shochat SJ; et al: inhibition of lymphocyte stimulation by shift reagents, Magn Res Med 1990; **13:** 14
Sze G See **Brasch RC**
Sze G See **Demirci A**
Sze G See **Johnson CE**
Sze G See **Kaissar G**
Sze G See **Krol G**
Sze G See **Liu DPC**
Sze G See **Post MJD**
Sze G See **Som PM**
Sze G See **Tash RR**
Sze G See **West MS**
Sze G: new applications of MR contrast agents in neuroradiology, Neuroradiol 1990; **32:** 421
Sze G: recent advances in spinal magnetic resonance imaging, J Canad Assoc Radiol 1991; **42:** 190
Sze G; Baierl P; Bravo S: evolution of the infant spinal column: evaluation with MR imaging, Radiology 1991; **181:** 819
Sze G; Brant-Zawadzki M; Haughton VM; Maravilla KR; McNamara MT; Kumar AJ; Aisen AM; Dreisbach JN; Bradley WG Jr; Weinreb JC; Drayer BP; Tsuruda JS; Hesselink JR; Johnson CE; Zimmerman RD; Weingast GR: multicenter study of gadodiamide injection as a contrast agent in MR imaging of the brain and spine, Radiology 1991; **181:** 693
Sze G; Bravo S; Baierl P; Shimkin PM: developing spinal column: gadolinium-enhanced MR imaging, Radiology 1991; **180:** 497
Sze G; Bravo S; Krol G: spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Radiology 1989; **170:** 849
Sze G; Milano E; Johnson C; et al: detection of brain metastases: comparison of contrast-enhanced MR with unenhanced MR and enhanced CT, AJNR 1990; **11:** 785
Sze G; Soletsky S; Bronen R; et al: MR imaging of the cranial meninges with emphasis on contrast enhancement and meningeal carcinomatosis, AJNR 1989; **10:** 965
Sze G; Soletsky S; Bronen R; et al: MR imaging of the cranial meninges with emphasis on contrast enhancement and meningeal carcinomatosis, AJR 1989; **153:** 1039
Sze G; Stimac GK; Bartlett C; et al: multicenter study of gadopentetate dimeglumine as an MR contrast agent: evaluation in patients with spinal tumors, AJNR 1990; **11:** 967
Sze GK See **Segall HD**
Sze WK See **Ergun DL**
Szentpetery S See **Henry DA**
Szeto A See **Duerinckx AJ**
Szeverenyi NM See **Borah B**
Szeverenyi NM See **van Nesselrooij JHJ**
Sziklas JJ See **Levine GM**
Sziklas JJ See **Spencer RP**
Sziklas JJ; Negrin JA; Rosshirt W; et al: diagnosing osteomyelitis in Gaucher's disease: observations on two cases, Clin Nucl Med 1991; **16:** 487
Szlachcic J See **Tubau JF**
Szmigielski W; Hanna RM; Dahniya MH; et al: life-threatening post-nephrolithotomy hemorrhage resulting in cessation of kidney function, treated by transcatheter arterial embolization with subsequent restoration of excretory function, Acta Radiol 1991; **32:** 47
Sztelma K See **May GL**
Sztuk FJS See **Juul N**
Szucs R See **Bezirdjian DR**
Szucs R: case of the season: nausea and vomiting in a patient with the acquired immunodeficiency syndrome, Semin Roentgenol 1991; **26:** 195
Szucs RA; Floyd HL: laryngospasm-induced pulmonary edema, Radiology 1989; **170:** 446
Szumowski J See **Hornak JP**
Szumowski J See **Lee DH**
Szumowski J See **Simon JH**
Szumowski J See **Tien RD**
Szumowski J See **Totterman S**
Szumowski J; Eisen JK; Vinitski S; et al: hybrid methods of chemical-shift imaging, Magn Res Med 1989; **9:** 379
Szymczyk W; Gorączko A; Lesiak J: prediction of Saturne II+ 10 MV and 23 MV photon beam output factors, Int J Radiat Oncol Biol Phys 1991; **21:** 789

T

Taal BG; Steinmetz R; den Hartog Jager FCA: rectosigmoid obstruction caused by ovarian cancer, Clin Radiol 1990; **41:** 170
Taavitsainen M; Airaksinen T; Kreula J; et al: fine-needle aspiration biopsy of liver hemangioma, Acta Radiol 1990; **31:** 69
Taavitsainen M; Bondestam S; Mankinen P; et al: ultrasound guidance for pericardiocentesis, Acta Radiol 1991; **32:** 9
Taavitsainen M; Krogerus L; Rannikko S: aspiration biopsy in renal angiomyolipoma, Acta Radiol 1989; **30:** 381
Tabár L See **Haus AG**
Tabár L: control of breast cancer through screening mammography, Radiology 1990; **174:** 655
Tabar L; Haus AG: processing of mammographic films: technical and clinical considerations, Radiology 1989; **173:** 65
Tabatabai A; Jungreis CA; Yonas H: cervical schwannoma masquerading as a glioma: MR findings, JCAT 1990; **14:** 489
Tabbarah S See **Shaw de Paredes E**
Taber KH See **Hayman LA**
Taber KH See **Prasad N**
Taber KH; Migliore PJ; Pagani JJ; et al: temporal changes in the oxidation state in in vitro blood, Invest Radiol 1990; **25:** 240
Tabor EK See **Weissman JL**
Tabor EK; Curtin HD: MR of the salivary glands, Radiol Clin North Am 1989; **27:** 379
Tabor EK; Curtin HD; Hirsch BE; May M: osteogenesis imperfecta tarda: appearance of the temporal bones at CT, Radiology 1990; **175:** 181
Tabor HD See **Jafri SZH**
Tabor P See **Alberti W**
Tabuchi Y See **Kadota T**
Taccagni G See **Sironi S**
Taccagni GL See **Sironi S**
Taccone A See **Tomá P**
Taccone A; Di Rocco M; Fondelli P; et al: Leigh disease: value of CT in presymptomatic patients and variability of the lesions with time, JCAT 1989; **13:** 207
Taccone A; Martucciello G; Fondelli P; et al: CT of anorectal malformation—a postoperative evaluation, Pediatr Radiol 1989; **19:** 375
Tachibana M; Baba S; Deguchi N; et al: efficacy of gadolinium-diethylenetriaminepentaacetic acid-enhanced magnetic resonance imaging for differentiation between superficial and muscle-invasive tumor of the bladder: a comparative study with computerized tomography and transurethral ultrasonography, (ab), Radiology 1991; **181:** 910
Tachibana O See **Nitta H**
Tack C; Sos TA: radiologic diagnosis of renovascular hypertension and percutaneous transluminal renal angioplasty, Semin Nucl Med 1989; **19:** 89
Tack ED; Perlman JM; Bower RJ; et al: pyloric stenosis in the sick premature infant: clinical and radiological findings, (ab), Radiology 1989; **170:** 295
Tada S See **Matsui T**
Tada S See **Toyoda K**
Tada S See **Uchiyama M**
Tada S; Iida M; Fuchigami T; et al: barium meal study for amyloidosis of the small intestine: measurements on radiograph, Gastrointest Radiol 1990; **15:** 320
Tada S; Iida M; Matsui T; et al: amyloidosis of the small intestine: findings on double-contrast radiographs, AJR 1991; **156:** 741
Tadavarthy AK; Sullivan WA Jr; Nicoloff D; Castaneda-Zuniga WR; Hunter DW; Amplatz K: aorta balloon angioplasty: 9-year follow-up, Radiology 1989; **170:** 1039
Tadavarthy SM See **Epstein DH**
Tadavarthy SM See **Repa I**
Tadmor R See **Avrahami E**
Tadokoro M See **Oshima M**
Taets ven Amerongen AHM See **Heij HA**
Tagami T See **Sakuma H**
Tagawa K See **Shiina S**
Tager MG See **Cooper SG**
Taggart SC See **vanSonnenberg E**
Taghian A; de Vathaire F; Terrier P; et al: long-term risk of sarcoma following radiation treatment for breast cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 361
Tagliabue JR See **Desai RK**
Tagliabue JR See **Einstein DM**
Tagliabue JR; Stull MA; Lack EE; et al: case report 610, Skeletal Radiol 1990; **19:** 448
Taguchi T See **Kurata C**
Tahara T; Ichiya Y; Kuwabara Y; et al: high [^{18}F]-fluorodeoxyglucose uptake in abdominal abscesses: a PET study, JCAT 1989; **13:** 829
Taher MA: ultrasound in Bangladesh, JCU 1990; **18:** 683
Tähtinen J See **Laitinen R**
Tai D-I See **Wang P-W**
Tai TH See **Teo P**
Tai Y-T See **Chow W-H**
Taifu L See **Shilong C**
Taifu L See **You-Wang Z**

Taifu L: radiotherapy of carcinoma of the esophagus in China—a review, Int J Radiat Oncol Biol Phys 1991; **20:** 875
Taillefer R; Dupras G; Sporn V; et al: myocardial perfusion imaging with a new radiotracer, technetium-99m-hexamibi (methoxy isobutyl isonitrile): comparison with thallium-201 imaging, Clin Nucl Med 1989; **14:** 89
Taillens C See Weber MAJ
Taira RK See Chan KK
Taira RK See Dietrich RB
Taira RK See Ishimitsu Y
Taira RK; Stewart BK; Sinha U: PACS database architecture and design, Comput Med Imag Graph 1991; **15:** 171
Tait J See Ratcliffe J
Tait RC; Burnett AK; Robertson AG; et al: subclinical pulmonary function defects following autologous and allogeneic bone marrow transplantation: relationship to total body irradiation and graft-versus-host disease, Int J Radiat Oncol Biol Phys 1991; **20:** 1219
Tait WH; Hanson ME: microcomputer processing of film radiographs, Br J Radiol 1989; **62:** 613
Tajahmady T See Tournade A
Tajik AJ See Roger VL
Tajima A See Fenstermacher MJ
Tajima H; Kumazaki T; Ito K; et al: effect of an iso-osmolar contrast medium on pulmonary arterial pressure at pulmonary angiography, Acta Radiol 1991; **32:** 134
Tajima K; Nishida J; Yamazaki K; et al: case report 545, Skeletal Radiol 1989; **18:** 306
Tajiri H See Joffe SN
Tajiri H See Takayasu K
Takada A See Kochi M
Takada K See Fujimoto K
Takada K See Minakuchi K
Takada M; Fukuoka M; Negoro S; et al: combination therapy with bestatin in inoperable lung cancer: a randomized trial, Acta Oncol 1990; **29:** 821
Takada S See Kuchiwaki H
Takada T; Yasuda H; Uchiyama K; Hasegawa H; Asagoe T; Shikata J: pericholecystic abscess: classification of US findings to determine the proper therapy, Radiology 1989; **172:** 693
Takagi D See Tanaka T
Takahashi H See Etoh T
Takahashi H See Nakao N
Takahashi H See Onda K
Takahashi K; Furuse M; Saito K; et al: intraarterial digital subtraction angiography in detection of hepatocellular carcinoma, Cardiovasc Intervent Radiol 1989; **12:** 61
Takahashi K; Saito K; Tamura K; Honda M; Touei H; Sakai O; Kawashima Y; Kuji T; Ohtani M; Kawamoto T; Ohsawa T: hepatic neoplasms: detection with hepatoportal subtraction angiography—a new technique of DSA, Radiology 1990; **177:** 243
Takahashi M See Irie T
Takahashi M See Kageyama T
Takahashi M See Kojima A
Takahashi M See Korogi Y
Takahashi M See Nanakawa S
Takahashi M See Nishidai T
Takahashi M See Sakamoto Y
Takahashi M See Shibamoto Y
Takahashi M See Takehara Y
Takahashi M See Yamashita Y
Takahashi M; Yamashita Y; Sakamoto Y; Kojima R: chronic cervical cord compression: clinical significance of increased signal intensity on MR images, Radiology 1989; **173:** 219
Takahashi N See Itoh H
Takahashi S See Ishii K
Takahashi S See Sato A
Takahashi S See Sugita R
Takahashi S; Hoshino F; Uemura K; et al: accessory middle cerebral artery: is it a variant form of the recurrent artery of Heubner?, AJNR 1989; **10:** 563
Takahashi S; Suga T; Kawata Y; et al: anterior choroidal artery: angiographic analysis of variations and anomalies, AJNR 1990; **11:** 719
Takahashi T See Kubota K
Takahashi Y See Araki T
Takala JK; Mattila KJ; Jääskeläinen J: relative heart volume and subsequent mortality in old people, Acta Radiol 1989; **30:** 269
Takamia Y See Malpani A
Takamiya M See Yamada N
Takamizawa K See Kondo M
Takamura Y See Tanaka K
Takaoka K See Ohzono K
Takarada A See Tonami H
Takashima I See Akiyama H
Takashima S See Fujimoto K
Takashima S See Ikezoe J
Takashima S; Fujita N; Morimoto S; et al: MR imaging of primary pulmonary lymphoma, Australas Radiol 1990; **34:** 353
Takashima S; Ikezoe J; Harada K; et al: tongue cancer: correlation of MR imaging and sonography with pathology, AJNR 1989; **10:** 419
Takashima S; Ikezoe J; Morimoto S; et al: MR imaging of primary thyroid lymphoma, JCAT 1989; **13:** 517
Takashima S; Morimoto S; Ikezoe J; et al: CT evaluation of anaplastic thyroid carcinoma, AJNR 1990; **11:** 361
Takashima S; Morimoto S; Ikezoe J; et al: CT evaluation of anaplastic thyroid carcinoma, AJR 1990; **154:** 1079
Takashima S; Morimoto S; Ikezoe J; et al: occult anaplastic thyroid carcinoma associated with marked hypercalcemia, JCU 1990; **18:** 438
Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F: primary thyroid lymphoma: comparison of CT and US assessment, Radiology 1989; **171:** 439
Takashima S; Takeuchi N; Morimoto S; et al: MR imaging of Sjögren syndrome: correlation with sialography and pathology, JCAT 1991; **15:** 393
Takashima S; Takeuchi N; Morimoto S; et al: spontaneous pneumothorax caused by metastatic hemangioendothelioma: radiographic appearance and pathologic correlation, Acta Radiol 1989; **30:** 181
Takashima S; Takeuchi N; Shiozaki H; et al: carcinoma of the esophagus: CT vs MR imaging in determining resectability, AJR 1991; **156:** 297
Takashima T See Arai K
Takashima T See Demachi H
Takashima T See Kadoya M
Takashima T See Katayama H
Takashima T See Kitagawa K
Takashima T See Matsui O
Takashima T See Suzuki M
Takashima T See Yamaguchi K
Takasugi JE See Hommeyer SH
Takasugi JE See Moore ADA
Takasugi JE; Godwin JD: airway, Semin Roentgenol 1991; **26:** 175
Takasugi JE; Godwin JD: CT appearance of the retroaortic anastomoses of the azygos system, AJR 1990; **154:** 41
Takasugi JE; Godwin JD: left azygos lobe, Radiology 1989; **171:** 133
Takasugi JE; Godwin JD: lung abscess caused by *Rhodococcus equi*, J Thorac Imag 1991; **6-2:** 72
Takasugi JE; Godwin JD: surgical defects of the pericardium: radiographic findings, AJR 1989; **152:** 951
Takasugi JE; Godwin JD; Teefey SA: extrapleural fat in empyema: CT appearance, Br J Radiol 1991; **64:** 580
Takasugi JE; Rapoport S; Shaw C: superior sulcus tumors: the role of imaging, J Thorac Imag 1989; **4-1:** 41
Takasugi JE; Shaw C: inadvertent bucrylate pulmonary embolization: a case report, J Thorac Imag 1989; **4-4:** 71
Takatori Y See Kokubo T
Takayama M See Nishizawa K
Takayama S See Kidooka M
Takayama T See Aburano T
Takayama T See Kosuge T
Takayama T See Takayasu K
Takayasu K See Kimura A
Takayasu K See Makuuchi M
Takayasu K See Merine D
Takayasu K See Muramatsu Y
Takayasu K; Aoki K; Ichikawa T; et al: aberrant right gastric vein directly communicating with left portal vein system: incidence and implications, Acta Radiol 1990; **31:** 575
Takayasu K; Aoki K; Ichikawa T; et al: new plastic-coated coaxial catheter system for superselective hepatic catheterization: technical note, Cardiovasc Intervent Radiol 1990; **13:** 384
Takayasu K; Ikeya S; Mukai K; et al: CT of hilar cholangiocarcinoma: late contrast enhancement in six patients, AJR 1990; **154:** 1203
Takayasu K; Makuuchi M; Takayama T: computed tomography of a rapidly growing hepatic hemangioma, JCAT 1990; **14:** 143
Takayasu K; Moriyama N; Muramatsu Y; et al: diagnosis of small hepatocellular carcinomas: efficacy of various imaging procedures in 100 patients, AJR 1990; **155:** 49
Takayasu K; Tajiri H; Noguchi M; et al: imaging diagnosis of portal tumor thrombus secondary to gastric cancer, Gastrointest Radiol 1989; **14:** 161
Takazakura E See Tsuji H
Takebayashi S; Matsui K; Nozawa T; et al: hyperplasia of autotransplanted parathyroid in the forearm, Clin Nucl Med 1990; **15:** 354
Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E: cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Radiology 1991; **179:** 389
Takeda K See Sakuma H
Takeda K; Kato N; Nakagawa T; et al: horseshoe lung without respiratory distress, Pediatr Radiol 1990; **20:** 604
Takeda N See Watanabe M
Takehara Y See Saeed M
Takehara Y; Takahashi M; Isoda H; et al: gastrointestinal visualization during xenon-133 ventilation study in a patient with tracheoesophageal fistula, J Nucl Med 1989; **30:** 258
Takei Y See Davis PC
Takei YD See Castillo M
Takemura T See Morita S
Takemura Y See Fujibayashi Y
Takenaka E See Furui S
Takenaka E See Irie T
Takenaka E See Makita K
Takenaka K See You-Bing D
Takeo G See Yoshimura T
Takeshita G See Toyama H
Taketazu M See Ueda D
Takeuchi A See Toyama H
Takeuchi H See MacMahon H
Takeuchi K See Minami M
Takeuchi N See Morimoto S
Takeuchi N See Takashima S
Takeuchi Y See Maeda K
Takeyama N See Tanaka T
Taki J See Aburano T
Taki J See Nakajima K
Taki J; Bunko H; Tonami N; et al: shunt between right subclavian vein and left heart in superior vena cava obstruction due to lung cancer, Clin Nucl Med 1990; **15:** 251
Taki J; Nakajima K; Bunko H; et al: cardiac sarcoidosis demonstrated by Tl-201 and Ga-67 SPECT imaging, Clin Nucl Med 1990; **15:** 636
Taki W See Nakahara I
Taki W; Yonekawa Y; Iwata H; et al: new liquid material for embolization of arteriovenous malformations, AJNR 1990; **11:** 163
Takishima T See Honda N
Takizawa K See Higashi TS
Tal I See Orlin JA
Talagala L See Kanal E
Talamás O See Salgado P
Talamás O; Del Brutto OH; Garcia-Ramos G: brain-stem tuberculoma: an analysis of 11 patients, (ab), Radiology 1989; **173:** 294
Talarico HP See Rubens DJ
Talarico HP; Rubens D: gallbladder wall thickening in acute pyelonephritis, JCU 1990; **18:** 653
Talbot JM See Urman SM
Talerman A See Dehner LP
Tali ET; Sener RN; Ibis E; et al: familial bilateral glomus jugulare tumors, Neuroradiol 1991; **33:** 171
Talley JD See Anderson HV
Talley NJ See MacCarty RL
Tallroth E See Tennvall J
Tallroth K See Young W
Tallroth K; Schlenzka D: spinal stenosis subsequent to juvenile lumbar osteochondrosis, Skeletal Radiol 1990; **19:** 203
Talner LB See Fishman M
Talner LB; Davidson AJ: renal hemodynamic effects of contrast media, Invest Radiol 1990; **25:** 365
Talner LB; Webb JAW; Dail DH: lacunae: a urographic finding in chronic obstructive uropathy, AJR 1991; **156:** 985
Talpos GB See Pearlberg JL
Talton BM; Constable WC; Kersh CR: curative radiotherapy in non-small cell carcinoma of the lung, Int J Radiat Oncol Biol Phys 1990; **19:** 15
Talwar KK See Sharma S
Tam CKH; Lightfoot NE; Finlay CD; et al: course of tricuspid atresia in the Fontan era, (ab), Radiology 1989; **173:** 589
Tamada T See Yoshioka T
Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H: portal blood flow: measurement with MR imaging, Radiology 1989; **173:** 639
Tamagawa Y See Sakuma H
Tamagawa Y See Suto Y
Tamai H; Nagai K; Ishimoto J; et al: unusual thyroid scintigrams in Plummer's disease during methimazole therapy: conversion of hot to hypofunctional nodules, Clin Nucl Med 1990; **15:** 465
Tamakawa Y See Ehara S
Tamaki M See Okajima K
Tamaki N See Yamashita K
Tamaki N; Ohtani H; Yamashita K; et al: metabolic activity in the areas of new fill-in after thallium-201 reinjection: comparison with positron emission tomography using fluorine-18-deoxyglucose, J Nucl Med 1991; **32:** 673

Tamaki N; Ohtani H; Yonekura Y; et al: significance of fill-in after thallium-201 reinjection following delayed imaging: comparison with regional wall motion and angiographic findings, J Nucl Med 1990; **31:** 1617

Tamaki N; Yamada T; Matsumori A; et al: indium-111-antimyosin antibody imaging for detecting different stages of myocardial infarction: comparison with technetium-99m-pyrophosphate imaging, J Nucl Med 1990; **31:** 136

Tamaki N; Yonekura Y; Yamashita K; et al: positron emission tomography using fluorine-18 deoxyglucose in evaluation of coronary artery bypass grafting, (ab), Radiology 1990; **175:** 886

Tamaki N; Yonekura Y; Yamashita K; et al: value of rest-stress myocardial positron tomography using nitrogen-13 ammonia for the preoperative prediction of reversible asynergy, J Nucl Med 1989; **30:** 1302

Tamamura H See **Tonami H**

Tamargo RJ See **Steen RG**

Tamarkin M See **Kushnir O**

Tamary H See **Gomori JM**

Tamas LB See **Suzuki N**

Tamburino C See **Russo G**

Tamburro F See **Erdman WA**

Tamisiea DF See **Hilgers TW**

Tamisier D See **Meyer G**

Tamler B; Sommer FG; Glover GH; Schneider E: prostatic MR imaging performed with the three-point Dixon technique: work in progress, Radiology 1991; **179:** 43

Tammam S See **Pariente D**

Tammilehto L See **Maasilta P**

Tampas JP: plans for radiology centennial celebration in 1995, AJR 1991; **156:** 938

Tampas JP: radiology centennial 1995, Radiology 1991; **179:** 339

Tampieri D See **Abdollah A**

Tampieri D See **Minuk J**

Tampieri D See **Moumdjian R**

Tampieri D See **Vezina JL**

Tampieri D See **Weill A**

Tampieri D; Melanson D; Ethier R: MR imaging of epidermoid cysts, AJNR 1989; **10:** 351

Tampieri D; Moumdjian R; Melanson D; et al: intracerebral gangliogliomas in patients with partial complex seizures: CT and MR imaging findings, AJNR 1991; **12:** 749

Tampieri D; Weill A; Melanson D; et al: percutaneous aspiration biopsy in cervical spine lytic lesions: indications and technique, Neuroradiol 1991; **33:** 43

Tamsen A See **Poster RB**

Tamura A; Suzuki T; Yamasaki T; et al: effect of radiological iodinated contrast media on acetylcholinesterase activity, Br J Radiol 1991; **64:** 768

Tamura K See **Kosuda S**

Tamura K See **Takahashi K**

Tamura S See **Matsui O**

Tamura S; Kodama T; Samejima M; Yuki Y; Watanabe K: new projection for portography, Radiology 1989; **173:** 279

Tan A See **Hecht AH**

Tan A; Shen J-F; Hecht AH: sonogram of multiple bile duct hamartomas, JCU 1989; **17:** 667

Tan CT See **Fan CJ**

Tan E See **Demirci M**

Tan EG See **Cameron DC**

Tan KK See **Levin DN**

Tan R; Chung C-H; Liu M-T; et al: radiotherapy for postoperative recurrent uterine cervical carcinoma, Acta Oncol 1991; **30:** 353

Tanabe J; Govoni AF; Zirn JR: 67-year-old man with a 1½ year history of progressive left supraclavicular mass, Clin Imag 1991; **15:** 135

Tanabe S See **Yamaki T**

Tanabe Y See **Miyamoto S**

Tanabe Y See **Sawada S**

Tanada S See **Nishizawa S**

Tanagho EA See **Hricak H**

Tanaka A See **Murata R**

Tanaka C See **Ebisu T**

Tanaka K See **Okazaki H**

Tanaka K; Okazaki H; Nakamura S; Endo O; Inoue S; Takamura Y; Sugiyama M; Ohaki Y: hepatocellular carcinoma: treatment with a combination therapy of transcatheter arterial embolization and percutaneous ethanol injection, Radiology 1991; **179:** 713

Tanaka M See **Okawa T**

Tanaka R See **Onda K**

Tanaka R See **Watanabe M**

Tanaka S; Kitamura T; Fujita M; et al: color Doppler flow imaging of liver tumors, AJR 1990; **154:** 509

Tanaka T; Takagi D; Takeyama N; et al: "spontaneous" pneumocephalus associated with aerobic bacteremia, Clin Imag 1989; **13:** 134

Tanaka TT See **Schwaighofer BW**

Tanaka Y See **Onomura K**

Tanasescu DE; Waxman AD; Hurvitz C: scintigraphic findings mimicking focal nodular hyperplasia in a case of hepatoblastoma, Clin Nucl Med 1991; **16:** 236

Tandon N; Karak PK; Mukhopadhyay S; et al: amoebic liver abscess: rupture into retroperitoneum, Gastrointest Radiol 1991; **16:** 240

Taneja K See **Shiv VK**

Taneja K; Gothi R; Kumar K; et al: peritoneal *Echinococcus multilocularis* infection: CT appearance, JCAT 1990; **14:** 493

Tang J See **Qin D-X**

Tang L-M See **Ng S-H**

Tang SG See **Chen M-S**

Tang SGJ; Lin FJ; Chen MS; et al: prognostic factors of nasopharyngeal carcinoma: a multivariate analysis, Int J Radiat Oncol Biol Phys 1990; **19:** 1143

Tang TT; Segura AD; Oechler HW; et al: inflammatory myofibrohistiocytic proliferation simulating sarcoma in children, (ab), Radiology 1990; **177:** 296

Tang YS See **Blanc C**

Tangen JM; Abrahamsen AF; Østenstad B; et al: interleukin-2 receptor levels in non-Hodgkin's lymphoma: correlation to histological degree of malignancy and presence of constitutional symptoms, Acta Oncol 1990; **29:** 581

Taniguchi M See **Aburano T**

Taniguchi M See **Hishikawa Y**

Taniguchi N See **Kawamura H**

Tanioka H; Shirakawa T; Machida T; Sasaki Y: three-dimensional reconstructed MR imaging of the inner ear, Radiology 1991; **178:** 141

Tanizaki Y See **Sone S**

Tan-Liu NS See **Matsubara O**

Tanna NK See **Kohn MI**

Tanna NK; Kohn MI; Horwich DN; Jolles PR; Zimmerman RA; Alves WM; Alavi A: analysis of brain and cerebrospinal fluid volumes with MR imaging: impact on PET data correction for atrophy: part II. aging and Alzheimer dementia, Radiology 1991; **178:** 123

Tanner RL: simple test pattern for mammographic screen-film contact measurement, Radiology 1991; **178:** 883

Tannock IF See **Dobrowsky E**

Tannous WN; Azouz EM: bowel opacification for abdominal computed tomography in children: a clinical trial of oral Telebrix 38, J Canad Assoc Radiol 1991; **42:** 102

Tannous WN; Azouz EM; Homsy YL; et al: CT and ultrasound imaging of pelvic rhabdomyosarcoma in children: a review of 56 patients, Pediatr Radiol 1989; **19:** 530

Tannous WN; Azouz EM; Tewfik TL: pitfall-to-avoid: pharyngeal opacities caused by bismuth subgallate, J Canad Assoc Radiol 1989; **40:** 312

Tanttu JI See **Lamminen AE**

Tanzilli G See **Gaudio C**

Taori KB See **Phadke RV**

Tape TG See **Heckerling PS**

Taphoorn MJB; Heimans JJ; Kaiser MCRLE; et al: imaging of brain metastases: comparison of computerized tomography (CT) and magnetic resonance imaging (MRI), Neuroradiol 1989; **31:** 391

Taratuta E See **Burstein D**

Tarazov PG; Polysalov VN; Ryzhkov VK: hemangiomatosis of the liver and spleen: successful treatment with embolization and splenectomy, AJR 1990; **155:** 1235

Tarbell KV See **Finkelstein MS**

Tarbell NJ; Thompson L; Mauch P: thoracic irradiation in Hodgkin's disease: disease control and long-term complications, Int J Radiat Oncol Biol Phys 1990; **18:** 275

Tarkington MA; Fildes RD; Levin K; et al: high resolution single photon emission computerized tomography (SPECT) ^{99m}technetium-dimercapto-succinic acid renal imaging: a state of the art technique, (ab), Radiology 1991; **178:** 589

Tarnawski M; Padayachee S; Graves MJ; et al: measurement of time-averaged flow in the middle cerebral artery by magnetic resonance imaging, Br J Radiol 1991; **64:** 178

Tarr RW See **Dawson RC III**

Tarr RW See **Sadler LR**

Tarr RW; Johnson DW; Horton JA; et al: impaired cerebral vasoreactivity after embolization of arteriovenous malformations: assessment with serial acetazolamide challenge xenon CT, AJNR 1991; **12:** 417

Tarr RW; Johnson DW; Rutigliano M; et al: use of acetazolamide-challenge xenon CT in the assessment of cerebral blood flow dynamics in patients with arteriovenous malformations, AJNR 1990; **11:** 441

Tarras M See **Naidich DP**

Tart RP See **Quisling RG**

Tart RP See **Slone RM**

Tartaglione A; Martinoli O; Uccelli A; et al: interindividual variability of cranioencephalic relationships as predicted by CT, JCAT 1991; **15:** 647

Tartagni F; Dondi M; Limonetti P; et al: dipyridamole technetium-99m-2-methoxy isobutyl isonitrile tomoscintigraphic imaging for identifying diseased coronary vessels: comparison with thallium-201 stress-rest study, J Nucl Med 1991; **32:** 369

Tartar VM See **Eilenberg SS**

Tartar VM; Balfe DM: lymphoma in the wall of the bile ducts: radiologic imaging, Gastrointest Radiol 1990; **15:** 53

Tartar VM; Heiken JP; McClennan BL: renal cell carcinoma presenting with diffuse peritoneal metastases: CT findings, JCAT 1991; **15:** 450

Tarver RD See **Conces DJ Jr**

Tarver RD See **Garagiola DM**

Tarver RD See **Kreipke DL**

Tarver RD; Cohen M; Broderick NJ; et al: pediatric digital chest imaging, J Thorac Imag 1990; **5-1:** 31

Tarver RD; Conces DJ Jr; Cory DA; et al: imaging the diaphragm and its disorders, J Thorac Imag 1989; **4-1:** 1

Taş I See **Ateş KB**

Tasciyan T See **Farzaneh F**

Tasciyan T See **Mitchell DG**

Tash RR; Sze G; Leslie DR: trigeminal neuralgia: MR imaging features, Radiology 1989; **172:** 767

Tashiro K See **Nakakoshi T**

Tashiro M See **Kaneko K**

Tashiro M See **Miyake H**

Tashjian J: proceedings of the chest imaging conference 1987, Radiology 1989; **172:** 12

Tashjian J: radiology of AIDS, Radiology 1989; **171:** 718

Tashjian J; Kuni CC; Bohn LE: primary squamous cell carcinoma of the breast: mammographic findings, J Canad Assoc Radiol 1989; **40:** 228

Tashjian JH: contrast-enhanced MRI of the breast, Radiology 1991; **181:** 358

Tashjian JH: systemic pathology: the lungs. 3rd ed, Radiology 1991; **181:** 368

Tashkin DP See **Aberle DR**

Tasker AD See **Ashby MA**

Taskinen SO; Salo JA; Halttunen EA; et al: tracheobronchial rupture due to blunt chest trauma: a follow-up study, (ab), Radiology 1990; **176:** 588

Tasman WS See **Yousem DM**

Tassin GB See **Fornage BD**

Tassin GB; Fornage BD; Sneige N: primary multifocal angiosarcoma of the breast: sonographic evaluation with pathologic correlation, J Ultrasound Med 1990; **9:** 481

Tassin GB; Maklad NF; Stewart RR; et al: cytomegalic inclusion disease: intrauterine sonographic diagnosis using findings involving the brain, AJNR 1991; **12:** 117

Tatcher M; Glicksman AS: field matching considerations in craniospinal irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 865

Tatcher M; Glicksman AS: radiation qualities of x-ray beams in cooperative clinical trials, Int J Radiat Oncol Biol Phys 1990; **18:** 441

Tate CP See **Spies JB**

Tate JJT See **Rawlinson J**

Tate T; Shentall G: conformation therapy to improve the irradiation of the spinal axis, Int J Radiat Oncol Biol Phys 1989; **16:** 505

Tateishi R See **Kuriyama K**

Tatera BS See **Roach M III**

Tatsch K; Schroettle W; Kirsch C-M: multiple swallow test for the quantitative and qualitative evaluation of esophageal motility disorders, J Nucl Med 1991; **32:** 1365

Tatsuzaki H; Urie MM: importance of precise positioning for proton beam therapy in the base of skull and cervical spine, Int J Radiat Oncol Biol Phys 1991; **21:** 757

Tattersall MHN See **Stevens GN**

Tatton WG See **Martin MM**

Tatum CM See **Routh WD**

Tatum JL See **Burke TS**

Tatum JL See **Hirsch JI**

Tatum JL See **Rehr RB**

Tatum JL; Thompson JA; Prasad U; et al: radionuclide detection of abnormal ventricular filling patterns in rejecting human allografts, Clin Nucl Med 1989; **14:** 175

Tatum L See **Dollahite HA**

Taube A; Tholander B: over- and underestimation of the sensitivity of a diagnostic malignancy test due to various selections of the study population, Acta Oncol 1990; **29:** 971

Taube D See **Nisbet AP**

Taupitz M See **Hamm B**

Tauscher JR See **Greenfield LJ**

Tauscher JR See **Marx MV**

Tauxe WN See **Abdel-Nabi HH**

Tavares NJ See **Arrivé L**

Tavares NJ See **Auffermann W**

Tavares NJ See **Karczmar GS**

Tavares NJ; Auffermann W; Brown JJ; et al: detection of thrombus by using phase-image MR scans: ROC curve analysis, AJR 1989; **153:** 173

Tavares NJ; Demas BE; Hricak H: MR imaging of bladder neoplasms: correlation with pathologic staging, Urol Radiol 1990; **12:** 27
Tavassoli FA See **Brammer HM III**
Tavassoli FA See **Weiss SW**
Taveras JM See **Domingues RC**
Taveras JM See **Gean-Marton AD**
Taveras JM See **Kuhn MJ**
Taveras JM See **Siegelman ES**
Taveras JM: development of the first fellowship training program in neuroradiology in North America, AJNR 1991; **12:** 587
Taveras JM: neuroradiology: past, present, future, Radiology 1990; **175:** 593
Taviere V; Brunelle F; Baraton J; et al: MRI study of lumbosacral lipoma in children, Pediatr Radiol 1989; **19:** 316
Tawarahara K See **Kurata C**
Tawn DJ; Watt I: bone marrow scintigraphy in the diagnosis of post-traumatic avascular necrosis of bone, Br J Radiol 1989; **62:** 790
Tay JSH See **Murugasu B**
Tayar R See **Cook JV**
Taybi H; Capitanio MA: tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Radiology 1990; **176:** 728
Taylor A See **Russell CD**
Taylor A Jr See **Eshima D**
Taylor A Jr; Ziffer JA; Eshima D: comparison of Tc-99m MAG_3 and Tc-99m DTPA in renal transplant patients with impaired renal function, Clin Nucl Med 1990; **15:** 371
Taylor A Jr; Ziffer JA; Steves A; Eshima D; Delaney VB; Welchel JD: clinical comparison of I-131 orthoiodohippurate and the kit formulation of Tc-99m mercaptoacetyltriglycine, Radiology 1989; **170:** 721
Taylor AD See **Ritchie DA**
Taylor AJ See **Dodds WJ**
Taylor AJ See **Foley WD**
Taylor AJ; Cohen EP; Erickson SJ; et al: renal imaging in long-term dialysis patients: a comparison of CT and sonography, AJR 1989; **153:** 765
Taylor AJ; Dodds WJ; Stewart ET: alimentary tract lesions in Cowden's disease, Br J Radiol 1989; **62:** 890
Taylor AJ; Dodds WJ; Stewart ET: pharynx: value of oblique projections for radiographic examination, Radiology 1991; **178:** 59
Taylor AJ; Stewart ET; Dodds WJ: esophageal "jet" phenomenon revisited, AJR 1990; **155:** 289
Taylor AJ; Stewart ET; Dodds WJ: gastrointestinal lipomas: a radiologic and pathologic review, AJR 1990; **155:** 1205
Taylor AJN See **Murch CR**
Taylor B See **vanSonnenberg E**
Taylor BJ See **Seibert JJ**
Taylor BW See **Corn BW**
Taylor BW Jr; Mendenhall NP; Million RR: reproducibility of mantle irradiation with daily imaging films, Int J Radiat Oncol Biol Phys 1990; **19:** 149
Taylor DB; Joske D; Anderson J; et al: cavitating pulmonary nodules in histiocytosis-X: high resolution CT demonstration, Australas Radiol 1990; **34:** 253
Taylor DB; Sprague P: dominant craniometaphyseal dysplasia—a family study over five generations, Australas Radiol 1989; **33:** 84
Taylor DB; Yoong P: non fatal barium intravasation during barium enema, Australas Radiol 1990; **34:** 165
Taylor DC; Moneta GL; Strandness DE Jr: follow-up of renal artery stenosis by duplex ultrasound, (ab), Radiology 1989; **173:** 293
Taylor E See **Jones D**
Taylor FC See **Awh MH**
Taylor FC See **Popovich MJ**
Taylor G See **Samuels TH**
Taylor GA See **Bulas DI**
Taylor GA See **Hoffer FA**
Taylor GA See **Jabra AA**
Taylor GA See **Sivit CJ**
Taylor GA: blood flow in the superior mesenteric artery: estimation with Doppler US, Radiology 1990; **174:** 15
Taylor GA; Eichelberger MR: abdominal CT in children with neurologic impairment following blunt trauma: abdominal CT in comatose children, (ab), Radiology 1990; **174:** 591
Taylor GA; Eichelberger MR; O'Donnell R; et al: indications for computed tomography in children with blunt abdominal trauma, (ab), Radiology 1991; **181:** 296
Taylor GA; Eichelberger MR; Potter BM: hematuria: a marker of abdominal injury in children after blunt trauma, (ab), Radiology 1989; **172:** 591
Taylor GA; Fitz CR; Glass P; et al: CT of cerebrovascular injury after neonatal extracorporeal membrane oxygenation: implications for neurodevelopmental outcome, AJR 1989; **153:** 121
Taylor GA; Fitz CR; Kapur S; et al: cerebrovascular accidents in neonates treated with extracorporeal membrane oxygenation: sonographic-pathologic correlation, AJR 1989; **153:** 355
Taylor GA; Guion CJ; Potter BM; et al: CT of blunt abdominal trauma in children, AJR 1989; **153:** 555
Taylor GA; Martin GR; Short BL: cardiac determinants of cerebral blood flow during extracorporeal membrane oxygenation, Invest Radiol 1989; **24:** 511
Taylor GA; Short BL; Walker LK; Traystman RJ: intracranial blood flow: quantification with duplex Doppler and color Doppler flow US, Radiology 1990; **176:** 231
Taylor JH See **Ryan TP**
Taylor JMG See **Maciejewski B**
Taylor JMG See **Vegesna V**
Taylor JR See **McCormick CC**
Taylor JR; McCormick CC: lumbar facet joint fat pads: their normal anatomy and their appearance when enlarged, Neuroradiol 1991; **33:** 38
Taylor JS See **Jeneson JAL**
Taylor JS See **Vigneron DB**
Taylor K See **Checkley D**
Taylor KJW See **Bates SM**
Taylor KJW See **Dillon EH**
Taylor KJW See **Keller MS**
Taylor KJW See **Kier R**
Taylor KJW See **Scoutt LM**
Taylor KJW; Holland S: Doppler US: part I. basic principles, instrumentation, and pitfalls, Radiology 1990; **174:** 297
Taylor KJW; Marks WH: use of Doppler imaging for evaluation of dysfunction in renal allografts, AJR 1990; **155:** 536
Taylor KJW; Ramos IM; Feyock AL; Snower DP; Carter D; Shapiro BS; Meyer WR; De Cherney AH: ectopic pregnancy: duplex Doppler evaluation, Radiology 1989; **173:** 93
Taylor KJW; Wells PNT: tissue characterisation, Ultrasound Med Biol 1989; **15:** 421
Taylor LM Jr; Troutman R; Feliciano P; et al: late complications after femoral artery catheterization in children less than five years of age, (ab), Radiology 1990; **176:** 886
Taylor MC; Marshall JC; Fried LA; et al: extracorporeal shock wave lithotripsy (ESWL) in the management of complex biliary tract stone disease, (ab), Radiology 1989; **172:** 290
Taylor ME See **Ng TC**
Taylor PJ See **Wiseman DA**
Taylor PM See **Lloyd DC**
Taylor PM; Johnson RJ; Eddleston B; et al: radiological changes in the gastrointestinal and genitourinary tract following radiotherapy for carcinoma of the cervix, Clin Radiol 1990; **41:** 165
Taylor PM; Moreman B; Rimmer S; et al: effects of angiotensin II on Doppler signals from a soft-tissue tumour, Br J Radiol 1989; **62:** 331
Taylor RS; Higginson LAJ; Leopold KE: dependence of the XeCl laser cut rate of plaque on the degree of calcification, laser fluence, and optical pulse duration, (ab), JVIR 1991; **2:** 302
Taylor RS; Joseph DB; Kohaut EC; et al: renal angiomyolipoma associated with lymph node involvement and renal cell carcinoma in patients with tuberous sclerosis, (ab), Radiology 1989; **173:** 291
Taylor SG IV See **Urbon J**
Taylor YC See **Konefal JB**
Tazelaar HD; Myers JL; Drage CW; et al: pulmonary disease associated with L-tryptophan-induced eosinophilic myalgia syndrome: clinical and pathologic features, (ab), Radiology 1990; **177:** 596
Tazioli PK See **Shuman WP**
Tchang SPK See **Burbridge B**
Tchelebi M See **Rafla S**
Tchertkoff V See **Poon T**
Teague RS See **Chen YM**
Teal JS See **Suneja SK**
Teasdale E See **Macpherson P**
Teasdale E See **Santosh C**
Teasdale EM See **Straiton JA**
Teates CD See **Abbitt PL**
Teates CD See **Smith JJ**
Teates CD See **Williamson BRJ**
Tech KE; Davis L; Dworkin H: papillary thyroid carcinoma concentrating both Tc-99m sodium pertechnetate and I-131 iodide: case report and review of the literature, Clin Nucl Med 1991; **16:** 497
Tedeschi MA See **Ryoo MC**
Teefey S See **Patten RM**
Teefey SA See **Schulte SJ**
Teefey SA See **Takasugi JE**
Teefey SA; Baron RL; Bigler SA: sonography of the gallbladder: significance of striated (layered) thickening of the gallbladder wall, AJR 1991; **156:** 945
Teefey SA; Baron RL; Schulte SJ; Shuman WP: differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Radiology 1990; **175:** 683
Teele R See **Buckenham TM**
Teele RL See **Bellah RD**
Teele RL See **Jaramillo D**
Teele RL See **Kuban KCK**
Teele RL See **Share JC**
Teeter BC See **Naidich TP**
Teeuwen C; Eikelboom BC; Ludwig JW: clinically unsuspected complications of arterial surgery shown by post-operative digital substraction angiography, Br J Radiol 1989; **62:** 13
Tegtmeyer CJ See **Barr JD**
Tegtmeyer CJ See **Selby JB Jr**
Tehranzadeh J; Davenport J; Pais MJ: scaphoid fracture: evaluation with flexion-extension tomography, Radiology 1990; **176:** 167
Tehranzadeh J; Fanney D; Ghandur-Mnaymneh L; et al: case report 517, Skeletal Radiol 1989; **17:** 614
Tehranzadeh J; Mnaymneh W; Ghavam C; et al: comparison of CT and MR imaging in musculoskeletal neoplasms, JCAT 1989; **13:** 466
Tehranzadeh J; Murphy BJ; Mnaymneh W: giant cell tumor of the proximal tibia: MR and CT appearance, JCAT 1989; **13:** 282
Tehranzadeh J; Vanarthos W; Pais MJ: osteochondral impaction of the femoral head associated with hip dislocation: CT study in 35 patients, AJR 1990; **155:** 1049
Teicher BA See **Herman TS**
Teicher BA See **Holden SA**
Teicher BA See **Pfeffer MR**
Teicher BA; Herman TS; Holden SA: effect of pH, oxygenation, and temperature on the cytotoxicity and radiosensitization by etanidazole, Int J Radiat Oncol Biol Phys 1991; **20:** 723
Teicher BA; Herman TS; Jones SM: influence of scheduling, dose, and volume of administration of a perfluorochemical emulsion on tumor response to radiation therapy, Int J Radiat Oncol Biol Phys 1990; **19:** 945
Teigen C See **Kuhlman JE**
Teijeiro AF See **Sánchez de Toledo J**
Teillac D See **Dubois JM**
Teitelbaum GP See **Barth KH**
Teitelbaum GP See **Baum PA**
Teitelbaum GP See **Cazenave FL**
Teitelbaum GP See **Consigny PM**
Teitelbaum GP See **Glass-Royal M**
Teitelbaum GP See **Katz MD**
Teitelbaum GP See **Levey DS**
Teitelbaum GP See **Marshall MW**
Teitelbaum GP See **Matsumoto AH**
Teitelbaum GP See **Molgaard CP**
Teitelbaum GP See **Nelson MC**
Teitelbaum GP See **Stacy-Humphries R**
Teitelbaum GP See **Watanabe AT**
Teitelbaum GP See **Zito AJ**
Teitelbaum GP: metallic ballistic fragments: MR imaging safety and artifacts, Radiology 1990; **177:** 883
Teitelbaum GP: perforation of the inferior vena cava by a suprarenal Greenfield filter, Radiology 1990; **174:** 577
Teitelbaum GP; Davis PS: spontaneous rupture of a lower extremity varix: case report, Cardiovasc Intervent Radiol 1989; **12:** 101
Teitelbaum GP; Jones DL; van Breda A; Matsumoto AH; Fellmeth BD; Chespak LW; Barth KH: vena caval filter splaying: potential complication of use of the titanium Greenfield filter, Radiology 1989; **173:** 809
Teitelbaum GP; Joseph GJ; Matsumoto AH; Barth KH: double-guide-wire access through a single 6-F vascular sheath, Radiology 1989; **173:** 871
Teitelbaum GP; Lin MCW; Watanabe AT; et al: ferromagnetism and MR imaging: safety of carotid vascular clamps, AJNR 1990; **11:** 267
Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH: optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Radiology 1990; **174:** 1013
Teitelbaum GP; Otto RJ; Lin M; et al: MR imaging of neurocysticercosis, AJNR 1989; **10:** 709
Teitelbaum GP; Raney M; Carvlin MJ; et al: evaluation of ferromagnetism and magnetic resonance imaging artifacts of the Strecker tantalum vascular stent, Cardiovasc Intervent Radiol 1989; **12:** 125
Teitelbaum GP; Yee CA; Van Horn DD; Kim HS; Colletti PM: metallic ballistic fragments: MR imaging safety and artifacts, Radiology 1990; **175:** 855
Teitge RA See **Miller PR**
Teixeira LCC: situation of radiotherapy in Latin America, Int J Radiat Oncol Biol Phys 1990; **19:** 1267

Teixeira WR See **Rodacki MA**
Teixidor HS See **Wojtasek DA**
Teixidor HS; Godwin TA; Ramirez EA: cryptosporidiosis of the biliary tract in AIDS, Radiology 1991; **180:** 51
Tekkök İH See **Özgen T**
Tekkök IH; Cataltepe O; Sağlam S: dense epidermoid cyst of the cerebellopontine angle, Neuroradiol 1991; **33:** 255
Telenius-Berg M See **Bergholm U**
Telenti A; Torres VE; Gross JB Jr; et al: hepatic cyst infection in autosomal dominant polycystic kidney disease, (ab), Radiology 1991; **178:** 587
Telzak EE; Cote RJ; Gold JWM; et al: extrapulmonary *Pneumocystic carinii* infections, (ab), Radiology 1991; **178:** 296
Tempany CM See **Carter HB**
Tempany CM See **Wolff KA**
Tempany CMC; Rahmouni AD; Epstein JI; Walsh PC; Zerhouni EA: invasion of the neurovascular bundle by prostate cancer: evaluation with MR imaging, Radiology 1991; **181:** 107
Templeton AC See **Turner DA**
Templeton AW See **Batnitzky S**
Templeton AW See **Cox GG**
Templeton AW See **Dwyer SJ III**
Templeton AW See **Fraser RG**
Templeton AW See **Lee KR**
Templeton GH See **Faber TL**
Templeton JM See **Donnenfeld AE**
Templeton P See **Soulen MC**
Templeton PA See **Caskey CI**
Templeton PA See **Moore EH**
Templeton PA See **Schaefer CM**
Templeton PA; Caskey CI; Zerhouni EA: current uses of CT and MR imaging in the staging of lung cancer, Radiol Clin North Am 1990; **28:** 631
Templeton PA; McLoud TC; Müller NL; et al: pulmonary lymphangioleiomyomatosis: CT and pathologic findings, JCAT 1989; **13:** 54
Templeton PA; Zerhouni EA: high-resolution computed tomography of focal lung disease, Semin Roentgenol 1991; **26:** 143
Templeton PA; Zerhouni EA: MR imaging in the management of thoracic malignancies, Radiol Clin North Am 1989; **27:** 1099
ten Cate JW See **Huisman MV**
Tenenbaum N See **Cohen JR**
Tenesa M See **Casas DJ**
Tenforde TS See **Afzal SMJ**
Tenforde TS; Montoya VJ; Afzal SMJ; et al: response of rat rhabdomyosarcoma tumors to split doses of mixed high- and low-LET radiation, Int J Radiat Oncol Biol Phys 1989; **16:** 1529
Teng G-J; Chai X-L; Gao G-R; et al: intraarterial digital subtraction angiography in bronchogenic carcinoma treated with bronchial artery infusion, Eur J Radiol 1991; **12:** 91
Teng MMH See **Chang T**
Teng MMH; Chang CY; Guo WY; et al: CT evaluation of polymorphic reticulosis, Neuroradiol 1990; **31:** 498
Teng MMH; Chang T; Huang CI; et al: percutaneous reposition of dislodged coils in the treatment of a vertebral arteriovenous fistula—with CT follow-up, Neuroradiol 1991; **33:** 195
Teng MMH; Chang T; Pan DH-C; et al: brainstem edema: an unusual complication of carotid cavernous fistula, AJNR 1991; **12:** 139
Teng MMH; Shoung H-M; Chang C-Y; et al: CT and myelogram findings of os odontoideum, Comput Med Imag Graph 1989; **13:** 179
Ten Haken JD See **Blane CE**
Ten Haken RK See **Buchsbaum DJ**
Ten Haken RK See **Hill CK**
Ten Haken RK See **Lawrence TS**
Ten Haken RK See **Thornton AF Jr**
Ten Haken RK; Forman JD; Heimburger DK; et al: treatment planning issues related to prostate movement in response to differential filling of the rectum and bladder, Int J Radiat Oncol Biol Phys 1991; **20:** 1317
Ten Haken RK; Perez-Tamayo C; Tesser RJ; et al: boost treatment of the prostate using shaped, fixed fields, Int J Radiat Oncol Biol Phys 1989; **16:** 193
Ten Kate CI; van Kroonenburgh MJPG; Schipperheyn JJ; et al: imaging of acute myocardial infarction in pigs with indium-111 monoclonal antimyosin scintigraphy and MRI, Invest Radiol 1990; **25:** 806
Ten Kate FJW See **Zonderland HM**
Tennant BC See **Reimer P**
Tennant D See **Dacie JE**
Tennenhouse J; Gray R: residents' corner: answer to case of the month #6, J Canad Assoc Radiol 1991; **42:** 145
Tennenhouse JE; Wilson SR: sonographic detection of a small-bowel bezoar, J Ultrasound Med 1990; **9:** 603
Tenner M See **Kieffer SA**
Tenner MS See **Kotval PS**
Tenner MS See **Segall HD**
Tenner W See **Aufricht CA**
Tennvall J; Albertsson M; Biörklund A; et al: induction chemotherapy (cisplatin +5-fluorouracil) and radiotherapy in advanced squamous cell carcinoma of the head and neck, Acta Oncol 1991; **30:** 27
Tennvall J; Tallroth E; El Hassan A; et al: anaplastic thyroid carcinoma: doxorubicin, hyperfractionated radiotherapy and surgery, Acta Oncol 1990; **29:** 1025
Tennyson LM See **Deter RL**
Teo P; Tai TH; Choy D: nasopharyngeal carcinoma with dermatomyositis, Int J Radiat Oncol Biol Phys 1989; **16:** 471
Teo P; Tsao SY; Leung SF: afterloading intracavitary radiation treatment of nasopharyngeal carcinoma: description of a technique and preliminary treatment results, Acta Oncol 1989; **28:** 525
Teo P; Tsao SY; Shiu W; et al: clinical study of 407 cases of nasopharyngeal carcinoma in Hong Kong, Int J Radiat Oncol Biol Phys 1989; **17:** 515
Teo PML See **Leung SF**
Teplick SK See **Brandon JC**
Teplick SK See **Glick SN**
Teplick SK See **Harshfield DL**
Teplick SK See **Long CA**
Teplick SK: diagnostic and therapeutic interventional gallbladder procedures, AJR 1989; **152:** 913
Teplick SK; Brandon JC; Wolferth CC; et al: percutaneous interventional gallbladder procedures: personal experience and literature review, Gastrointest Radiol 1990; **15:** 133
Teplick SK; Flick P; Brandon JC: transhepatic cholangiography in patients with suspected biliary disease and nondilated intrahepatic bile ducts, Gastrointest Radiol 1991; **16:** 193
Teplick SK; Harshfield DL; Brandon JC; et al: percutaneous cholecystostomy in critically ill patients, Gastrointest Radiol 1991; **16:** 154
Tepper JE See **Allee PE**
Tepper JE See **Landry J**
Tepper JE; Wood WC; Cohen AM: treatment of locally advanced rectal cancer with external beam radiation, surgical resection, and intraoperative radiation therapy, Int J Radiat Oncol Biol Phys 1989; **16:** 1437
Terabayashi H; Ohnishi K; Tsunoda T; et al: prospective controlled trial of elective endoscopic sclerotherapy in comparison with percutaneous transhepatic obliteration of esophageal varices in patients with nonalcoholic cirrhosis, (ab), Radiology 1989; **170:** 899
Terada T See **Matsui O**
Terada T; Kadoya M; Nakanuma Y; et al: iron-accumulating adenomatous hyperplastic nodule with malignant foci in the cirrhotic liver: histopathologic, quantitative iron, and magnetic resonance imaging in vitro studies, (ab), Radiology 1990; **177:** 290
Terada Y See **Tsuji H**
Teraoka T See **Itai Y**
Terasaki K See **Stewart CA**
Terasaki K; Wittich GR; Lycke G; et al: percutaneous transluminal biopsy of biliary strictures with a bioptome, AJR 1991; **156:** 77
Terasaki KK; Allgood M; Finck EJ; et al: transcatheter embolization of a ruptured abdominal aortic stump, AJR 1990; **154:** 181
Terasaki KK; Quinn MF; Lundell CJ; Finck EJ; Pentecost MJ: spontaneous hepatic hemorrhage in preeclampsia: treatment with hepatic arterial embolization, Radiology 1990; **174:** 1039
Terasaki KK; Zee C-S: evolution of central necrosis in a meningioma: CT and MR features, JCAT 1990; **14:** 464
Terashima K See **Negoro M**
Terbrugge K See **Fournier D**
Terbrugge K See **Willinsky RA**
Terbrugge K; Lasjaunias P; Chiu MC; et al: rhesus monkey as an animal model for training in interventional neuroradiology, AJNR 1989; **10:** 1203
Terbrugge KG See **Burrows PE**
Terbrugge KG See **Montanera W**
Tercilla O See **Schmidt-Ullrich R**
Tercilla O; Krasin F; Lawn-Tsao L: comparison of contralateral breast doses from $^{1}/_{2}$ beam block and isocentric treatment techniques for patients treated with primary breast irradiation with ^{60}CO, Int J Radiat Oncol Biol Phys 1989; **17:** 205
Tercilla OF See **Wazer DE**
Teresi L See **Spickler EM**
Teresi LM See **Bradley WG Jr**
Teresi LM See **Davis SJ**
Teresi LM See **Duckwiler GR**
Teresi LM See **Robinson JD**
Teresi LM; Hovda D; Seeley AB; et al: MR imaging of experimental demyelination, AJNR 1989; **10:** 307
Teresi LM; Lufkin RB; Hanafee WN: magnetic resonance imaging of the larynx, Radiol Clin North Am 1989; **27:** 393
ter Haar G See **Loverock P**
ter Haar GR See **Duck FA**
Terhaard CHJ See **Ravasz LA**
Terhaard CHJ; Karim ABMF; Hoogenraad WJ; et al: local control in T3 laryngeal cancer treated with radical radiotherapy, time dose relationship: the concept of nominal standard dose and linear quadratic model, Int J Radiat Oncol Biol Phys 1991; **20:** 1207
Terho PH See **Tertti MO**
Terho T See **Lilppo KK**
Terio P See **Andrews JC**
Terjesen T See **Anda S**
Ternier F See **Salamon G**
Terpstra OT See **Brakel K**
Terpstra OT See **Laméris JS**
Terpstra OT See **Zonderland HM**
Terrell CB See **Stewart NR**
Terrier B See **Hodler J**
Terrier F See **Vock P**
Terrier F; Lazeyras F; Posse S; et al: study of acute renal ischemia in the rat using magnetic resonance imaging and spectroscopy, Magn Res Med 1989; **12:** 114
Terrier F; Vock P; Cotting J; Ladebeck R; Reichen J; Hentschel D: effect of intravenous fructose on the P-31 MR spectrum of the liver: dose response in healthy volunteers, Radiology 1989; **171:** 557
Terrier P See **Taghian A**
Terrier-Lacombe MJ See **Rousselin B**
Terriff B See **Zwirewich CV**
Terris AH See **Berridge MS**
Terris MK See **Hodge KK**
Terris MK; Klonecke AS; McDougall IR; et al: utilization of bone scans in conjunction with prostate-specific antigen levels in the surveillance for recurrence of adenocarcinoma after radical prostatectomy, J Nucl Med 1991; **32:** 1713
Terris MK; McNeal JE; Stamey TA: invasion of the seminal vesicles by prostatic cancer: detection with transrectal sonography, AJR 1990; **155:** 811
Terris MK; Villers A; Freiha FS: transrectal ultrasound appearance of transitional cell carcinoma involving the prostate, (ab), Radiology 1991; **178:** 293
Terry J; Forrest T: sonographic demonstration of salpingitis: potential confusion with appendicitis, J Ultrasound Med 1989; **8:** 39
Terry NHA; Travis EL: influence of bone marrow depletion on intestinal radiation damage, Int J Radiat Oncol Biol Phys 1989; **17:** 569
Terry TJ See **Jackson FI**
Tersegno MM See **VanZandt TF**
Tertti MO; Salminen JJ; Paajanen HEK; Terho PH; Kormano MJ: low-back pain and disk degeneration in children: a case-control MR imaging study, Radiology 1991; **180:** 503
Terui S; Yamamoto H: new simplified lymphoscintigraphic technique in patients with breast cancer, J Nucl Med 1989; **30:** 1198
Tervonen O See **Koivukangas J**
Tervonen O; Lähde S; Rydberg J: lumbar disc degeneration: correlation between CT and CT/discography, Acta Radiol 1990; **31:** 551
Terwey B; Becker H; Thron AK; et al: gadolinium-DTPA enhanced MR imaging of spinal dural arteriovenous fistulas, JCAT 1989; **13:** 30
Teshima K See **Muranaka T**
Teshima T See **Isawa T**
Teshima T; Chatani M; Inoue T: radiation therapy for early glottic cancer (T1N0M0): I. results of conventional open field technique, Int J Radiat Oncol Biol Phys 1989; **17:** 1199
Teshima T; Chatani M; Inoue T: radiation therapy for early glottic cancer (T1N0M0): II. prospective randomized study concerning radiation field, Int J Radiat Oncol Biol Phys 1990; **18:** 119
Tesluk H; Senders CW; Dublin AB: case report 562, Skeletal Radiol 1989; **18:** 599
Tesoro-Tess JD; Balzarini L; Ceglia E; et al: magnetic resonance imaging in the initial staging of Hodgkin's disease and non-Hodgkin lymphoma, Eur J Radiol 1991; **12:** 81
Tesser RJ See **Lawrence TS**
Tesser RJ See **Ten Haken RK**
Tessler F See **Dreazen E**
Tessler FN See **Duerinckx AJ**
Tessler FN See **Grant EG**
Tessler FN See **Kimme-Smith C**
Tessler FN See **Ragavendra N**
Tessler FN: computer applications in radiology education: a challenge for the 1990s, AJR 1989; **152:** 1169

Tessler FN: endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length, Radiology 1991; **178:** 285
Tessler FN; Dion J; Viñuela F; et al: cranial arteriovenous malformations in neonates: color Doppler imaging with angiographic correlation, AJR 1989; **153:** 1027
Tessler FN; Gehring BJ; Gomes AS; et al: diagnosis of portal vein thrombosis: value of color Doppler imaging, AJR 1991; **157:** 293
Tessler FN; Kimme-Smith C; Sutherland ML; et al: inter- and intra-observer variability of Doppler peak velocity measurements: an *in-vitro* study, Ultrasound Med Biol 1990; **16:** 653
Tessler FN; Perrella RR; Fleischer AC; et al: endovaginal sonographic diagnosis of dilated fallopian tubes, AJR 1989; **153:** 523
Tessler FN; Schiller VL; Perrella RR; Sutherland ML; Grant EG: transabdominal versus endovaginal pelvic sonography: prospective study, Radiology 1989; **170:** 553
Tessler S; Kupfer Y; Lerman A; et al: massive gastric distention in the intubated patient: a marker for a defective airway, (ab), Radiology 1990; **176:** 294
Testa A See **Patrizio G**
Testa D See **Savoiardo M**
te Strake L See **von Sinner WN**
Tettamanti E See **Pavone P**
Teufl F See **Neuerburg JM**
te Velde ER See **van der Grond J**
Tewfik TL See **Tannous WN**
Teyssier R See **Coudert JL**
Tfelt-Hansen P See **Nielsen TH**
Thach AB; Busack JA; La Piana FG; et al: orbital cyst with pseudooptic nerve: CT features, JCAT 1990; **14:** 131
Thacher C See **Liu S-K**
Thaete FL See **Straub WH**
Thajeb P; Chen S-T: cranial computed tomography in acute disseminated encephalomyelitis, Neuroradiol 1989; **31:** 8
Thakur ML: immunoscintigraphic imaging of inflammatory lesions: preliminary findings and future possibilities, Semin Nucl Med 1990; **20:** 92
Thal ER See **Howard CA**
Thaler HT See **Delattre JY**
Thaler I See **Itskovitz J**
Thaler I See **Lewit N**
Thaler I See **Rottem S**
Thaler I; Manor D: transvaginal imaging: applied physical principles and terms, JCU 1990; **18:** 235
Thaler I; Manor D; Rottem S; et al: hemodynamic evaluation of the female pelvic vessels using a high-frequency transvaginal image-directed Doppler system, JCU 1990; **18:** 364
Thaler I; Wiener Z; Manor D; et al: effect of calcium channel blocker nifedipine on uterine artery flow velocity waveforms, J Ultrasound Med 1991; **10:** 301
Thalman R See **Mali WPTM**
Thames HD See **Bentzen SM**
Thames HD See **Hendry JH**
Thames HD Jr See **Tucker SL**
Thammavaram K See **Benzel EC**
The SHK See **Gussenhoven EJ**
Thedens DR See **Fleagle SR**
Theis E See **Beck-Bornholdt H-P**
Theis E See **Houle S**
Theissen P See **Linden A**
Thekkumthala J See **Sgouros G**
Thelander U See **Fagerlund MKJ**
Thelander UE See **Fagerlund MKJ**
Thelen M See **Just M**
Theodore GH See **Swensson RG**
Theodorsen L See **Hannisdal E**
Theodorsson E See **Öberg K**
Theodorsson E: regulatory peptides as tumour markers, Acta Oncol 1989; **28:** 319
Theodossi A See **Rao KJM**
Therkildsen MH See **Bennedbaek O**
Theron J See **Gobin P**
Theron J; Courtheoux P; Alachkar F; et al: new triple coaxial catheter system for carotid angioplasty with cerebral protection, AJNR 1990; **11:** 869
Theron J; Courtheoux P; Casasco A; et al: local intraarterial fibrinolysis in the carotid territory, AJNR 1989; **10:** 753
Theyer G; Lentle BC; Sullivan LD: identification of functioning tissue in horseshoe kidney using SPECT, Clin Nucl Med 1989; **14:** 917
Thiagarajah S; Abbitt PL; Hogge WA; et al: prenatal diagnosis of eventration of the diaphragm, JCU 1990; **18:** 46
Thickman D See **Bixler RP**
Thickman D See **Drose JA**
Thickman D See **Geis JR**
Thickman D See **Lile R**
Thickman D See **McGuinness G**
Thickman D; Hendrick RE; Jerjian KA; Schanker CS: liver-lesion tissue contrast on MR images: effect of iron oxide concentration and magnetic field strength, Radiology 1990; **176:** 557
Thickman D; Nodine C; Iddenden D: quantitative CT of the spine: significance of intervertebral body variability, Invest Radiol 1990; **25:** 19
Thiebot J; Laissy JP; Delangre T; et al: benign solitary neurinomas of the sciatic popliteal nerves CT study, Neuroradiol 1991; **33:** 186
Thieme GA See **Mandell MJ**
Thierens H; Kunnen M; Van der Plaetsen A; et al: evaluation of the use of a niobium filter for patient dose reduction in chest radiography, Br J Radiol 1991; **64:** 334
Thiesen B; Mützel W: effects of angiographic contrast media on venous endothelium of rabbits, Invest Radiol 1990; **25:** 121
Thijn CJP See **Ritsema GH**
Thijn CJP; Martijn A; Postma A; et al: case report 615, Skeletal Radiol 1990; **19:** 309
Thijssen HOM See **Merx JL**
Thijssen JM See **Romijn RL**
Thijssen JM; Oosterveld BJ: texture in tissue echograms: speckle or information?, J Ultrasound Med 1990; **9:** 215
Thijssen JM; van Beekum WT; Daniëls O; et al: diagnostic ultrasound equipment: safety and dosimetry, Eur J Radiol 1989; **9:** 51
Thijssen JM; Verbeek AM; Romijn RL; et al: echographic differentiation of histological types of intraocular melanoma, Ultrasound Med Biol 1991; **17:** 127
Thind CR; Carty HML; Pilling DW: role of ultrasound in the management of ovarian masses in children, Clin Radiol 1989; **40:** 180
Thistle JL See **Nelson PE**
Thoenes W; Störkel S; Rumpelt HJ; et al: chromophobe cell renal carcinoma and its variants: a report on 32 cases, (ab), Radiology 1989; **171:** 587
Thoeni RF See **Goldberg HI**
Thoeni RF See **Winkler ML**
Thoeni RF: clinical applications of magnetic resonance imaging of the liver, Invest Radiol 1991; **26:** 266
Thoeni RF: colorectal cancer: cross-sectional imaging for staging of primary tumor and detection of local recurrence, AJR 1991; **156:** 909
Thoeni RF: CT evaluation of carcinomas of the colon and rectum, Radiol Clin North Am 1989; **27:** 731
Thoeni RF: loop-torque maneuver: a method to facilitate intubation for enteroclysis, Gastrointest Radiol 1990; **15:** 325
Thoeni RF; Fell SC; Engelstad B; et al: ileoanal pouches: comparison of CT, scintigraphy, and contrast enemas for diagnosing postsurgical complications, AJR 1990; **154:** 73
Thoeni RF; Fell SC; Goldberg HI: CT detection of asymptomatic pancreatitis following ERCP, Gastrointest Radiol 1990; **15:** 291
Thoeni RF; Gould RG: enteroclysis and small bowel series: comparison of radiation dose and examination time, Radiology 1991; **178:** 659
Tholander B See **Taube A**
Thomalla JV See **Bogan ML**
Thomalla JV See **Don S**
Thomas A See **Scott EM**
Thomas A; Raman R: comparative study of the pneumatization of the mastoid air cells and the frontal and maxillary sinuses, AJNR 1989; **10:** S88
Thomas AM See **Meyerhoff DJ**
Thomas BJ See **Blount LH**
Thomas BM See **Glover JR**
Thomas BS See **Bulbrook RD**
Thomas C See **Hemmati M**
Thomas C See **Lartigau E**
Thomas C See **Lespinasse F**
Thomas C; Lartigau E; Malaise EP; et al: new high O_2 carrying perfluorochemical emulsions and/or carbogen: reactions of a human tumor xenograft to irradiation, Int J Radiat Oncol Biol Phys 1989; **16:** 1157
Thomas DC See **Farquhar CM**
Thomas DGT See **Gill SS**
Thomas E See **Bracard S**
Thomas EA; Cassar-Pullicino VN; McCall IW: role of ultrasound in the early diagnosis and management of heterotopic bone formation, Clin Radiol 1991; **43:** 190
Thomas EA; Dubbins PA: duplex ultrasound of the abdominal aorta—a neglected tool in aortic dissection, Clin Radiol 1990; **42:** 330
Thomas ED: role of marrow grafts in irradiation accidents, Int J Radiat Oncol Biol Phys 1990; **19:** 1289
Thomas ED: total body irradiation regimens for marrow grafting, Int J Radiat Oncol Biol Phys 1990; **19:** 1285
Thomas FD See **Kopecky RT**
Thomas FD See **McAfee JG**
Thomas FD See **Manglos SH**
Thomas FJ See **Ng TC**
Thomas G See **Sperduto PW**
Thomas GS See **Runge VM**
Thomas GV See **Lewis SL**
Thomas H; Sikora K: new therapeutic modalities for cancer, Acta Oncol 1991; **30:** 107
Thomas HA See **Willing SJ**
Thomas IT; Frias JL; Williams JL; et al: magnetic resonance imaging in the assessment of medullary compression in achondroplasia, (ab), Radiology 1989; **171:** 888
Thomas JG; Jeanty P; Peters RA II; et al: automatic measurements of fetal long bones: a feasibility study, J Ultrasound Med 1991; **10:** 381
Thomas JH See **Krishnan L**
Thomas LR Jr See **Mead GO**
Thomas M See **De Beer JDV**
Thomas M See **Mohapatro AK**
Thomas ML See **Chan O**
Thomas ML See **Loveday EJ**
Thomas ML See **Tung KT**
Thomas NB See **Carrington BM**
Thomas NB See **Hughes PM**
Thomas P See **Marks F**
Thomas P; Rubinstein L; Lung Cancer Society Group: cancer recurrence after resection: T1N0 non-small cell, (ab), Radiology 1990; **177:** 891
Thomas PR See **Grigsby PW**
Thomas RJ See **Sagar SM**
Thomas RL; Peng TCC; Eglinton GS; et al: precision of umbilical artery Doppler studies: intraobserver, interobserver, and biologic variability of fetal Doppler velocimetry, J Ultrasound Med 1991; **10:** 201
Thomas RM See **Miller DL**
Thomas S See **Olliff S**
Thomas S See **Raby N**
Thomas S; Sawhney S; Kapur BML: case report: bilateral massive internal jugular vein thrombosis in carcinoma of the thyroid: CT evaluation, Clin Radiol 1991; **43:** 433
Thomas SJ: variation of wedge factors with field size on a linear accelerator, Br J Radiol 1990; **63:** 355
Thomas SR See **Atkins HL**
Thomas SR See **Maxon HR III**
Thomas VJ See **Cumming WA**
Thomas VL See **Soul FJ**
Thomasson DM See **Perman WH**
Thomasson DM See **Winkler SS**
Thomeier WC; Brown DC; Mirvis SE: laterally tilted dens: a sign of subtle odontoid fracture on plain radiography, AJNR 1990; **11:** 605
Thompson AJ; Machin L: case of breast carcinoma with sarcomatous metaplasia, Clin Radiol 1989; **40:** 98
Thompson BH See **Cragg AH**
Thompson BH See **Gentry LR**
Thompson BH; Cragg AH; Smith TP; Bareniewski H; Barnhart WH; De Jong SC: thrombus-trapping efficiency of the Greenfield filter in vivo, Radiology 1989; **172:** 979
Thompson CJ See **Ranger NT**
Thompson CJ; Ranger N; Evans AC; et al: validation of simultaneous PET emission and transmission scans, J Nucl Med 1991; **32:** 154
Thompson D See **Villanueva-Meyer J**
Thompson DG See **Kamm MA**
Thompson E See **Farnell MB**
Thompson EI See **Chang PJ**
Thompson EI See **Estes DN**
Thompson EI See **Rao BN**
Thompson GB; van Heerden JA; Grant CS; et al: islet cell carcinomas of the pancreas: a twenty-year experience, (ab), Radiology 1989; **172:** 290
Thompson GH See **Andreotti RF**
Thompson GP See **Sheflin JR**
Thompson HH See **Weston PMT**
Thompson HO See **Sherer DM**
Thompson IM See **Truwit CL**
Thompson IM Jr See **Whitmore WF Jr**
Thompson JA See **Tatum JL**
Thompson JR See **Coates TL**
Thompson JR See **Lamont AC**
Thompson JR See **Stringer WA**
Thompson KA See **Milutinovic J**
Thompson L See **Cohen AJ**
Thompson L See **Tarbell NJ**
Thompson LB See **Lamki LM**
Thompson LL See **Borrelli MJ**
Thompson MH See **Kennedy RH**
Thompson MJ See **Matalon TAS**
Thompson MJ; Kubicka RA; Smith C: evaluation of cardiopulmonary devices on chest radiographs: digital vs analog radiographs, AJR 1989; **153:** 1165
Thompson N See **Vinik AI**
Thompson NE See **Smart PE**
Thompson PI See **Murray PA**
Thompson R See **Adler J**
Thompson R See **Bulas DI**
Thompson RC See **Van Woert JH**
Thompson RF See **Towbin RB**
Thompson RK See **Meyer CA**

Thompson RS; Trudinger BJ: Doppler waveform pulsatility index and resistance, pressure and flow in the umbilical placental circulation: an investigation using a mathematical model, Ultrasound Med Biol 1990; **16:** 449
Thompson RT See **Webster DW**
Thompson S See **McCarthy S**
Thompson SN; Platzer EG; Lee RW-K: *in vivo* flow ^{31}P FT-NMR spectroscopy of a nematode parasite, Magn Res Med 1990; **16:** 350
Thompson WD; Kotre CJ; Owen JP; et al: clinical application of iodine quantitation using digital fluorography, Br J Radiol 1990; **63:** 858
Thompson WM See **Halvorsen RA Jr**
Thompson WM See **Letourneau JG**
Thompson WR; Bowen R; Dorman BA; et al: mammographic localization and biopsy of nonpalpable breast lesions: a 5-year study, (ab), Radiology 1991; **181:** 910
Thoms WW Jr; McNeese MD; Fletcher GH; et al: multimodal treatment for inflammatory breast cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 739
Thomsen C See **Henriksen O**
Thomsen C See **Jensen KE**
Thomsen C See **Kjaer L**
Thomsen C See **Quistorff B**
Thomsen C; Ståhlberg F; Stubgaard M; Nordell B: Fourier analysis of cerebrospinal fluid flow velocities: MR imaging study, Radiology 1990; **177:** 659
Thomsen HS See **Hvid-Jacobsen K**
Thomsen HS: contrast media- and pharmacologic-induced nephropathies: effects of diatrizoate and iohexol on urine profiles in rats, Invest Radiol 1990; **25:** S129
Thomsen HS; Golman K; Hemmingsen L; et al: adriamycin nephrosis and contrast media: a comparison between diatrizoate and iohexol in rats, Acta Radiol 1990; **31:** 93
Thomsen HS; Golman K; Svendsen O: muscle toxicity of diatrizoate and iohexol in rabbits: a model for local tissue damage, Acta Radiol 1991; **32:** 182
Thomsen HS; Hemmingsen L; Golman K; et al: low sodium diet, indomethacin, and contrast media: a comparison between renal effects of diatrizoate and iohexol in rats, Acta Radiol 1990; **31:** 613
Thomsen HS; Hvid-Jacobsen K: estimation of glomerular filtration rate from low-dose injection of iohexol and a single blood sample, Invest Radiol 1991; **26:** 332
Thomsen HS; Larsen S; Hemmingsen L; et al: nephropathy induced by intramuscularly administered glycerol and contrast media in rats: a comparison between diatrizoate, iohexol and ioxilan, Acta Radiol 1989; **30:** 217
Thomsen HS; Larsen S; Skaarup P; et al: nephrotoxicity of cyclosporin A and contrast media: a comparison between diatrizoate and iohexol in rats, Acta Radiol 1989; **30:** 647
Thomsen HS; Skaarup P; Larsen S; et al: gentamicin nephropathy and contrast media: a comparison between diatrizoate and iohexol in rats, Acta Radiol 1990; **31:** 401
Thomsen HS; Sos TA; Nielsen SL: renovascular hypertension: diagnosis and intervention, Acta Radiol 1989; **30:** 113
Thomsen HS; Vestergaard A; Nielsen SL; et al: renal clearance of an ionic high-osmolar and a nonionic low-osmolar contrast medium, Invest Radiol 1991; **26:** 564
Thomson ES; Afshar F; Plowman PN: paediatric brachytherapy: II. brain implantation, Br J Radiol 1989; **62:** 223
Thomson ES; Gill SS; Doughty D: stereotactic multiple arc radiotherapy, Br J Radiol 1990; **63:** 745
Thomson JLG: experiences at the new magnetic resonance imaging centre at Bristol, Br J Radiol 1989; **62:** 134
Thomson K See **Mitchell P**
Thomson KR; Paterson RT; Stewart JL; et al: modified Gianturco arterial stents—preliminary results in iliac arteries of sheep, Australas Radiol 1991; **35:** 157
Thomson KR; Wells DG; O'Brien K; et al: vertebral artery injections of methylglucamine diatrizoate 60%, iopromide, and iotrolan in the rabbit, Invest Radiol 1990; **25:** S88
Thomson SR; Huizinga WKJ; Hirshberg A: prospective study of the yield of physical examination compared with chest radiography in penetrating thoracic trauma, (ab), Radiology 1991; **179:** 293
Thon H-J See **Günther RW**
Thon WF; Gall H; Danz B; et al: percutaneous sclerotherapy of idiopathic varicocele in childhood: a preliminary report, (ab), Radiology 1989; **173:** 589
Thor A See **Warnock ML**
Thor AD; Edgerton SM: monoclonal antibodies reactive with human breast or ovarian carcinoma: in vivo applications, Semin Nucl Med 1989; **19:** 295
Thordarson S See **Stark P**
Thordarson SH See **Sauser DD**
Thorén B; Sahlstedt B: influence of pelvic position on radiographic measurements of the prosthetic acetabular component: an experimental study on a pelvic model, Acta Radiol 1990; **31:** 133
Thorling K See **Andersen J**
Thornbury JR See **Lee F Jr**
Thornbury JR See **Mushlin AI**
Thornbury JR: acute renal infections, Urol Radiol 1991; **12:** 209
Thornbury JR: MRI of carcinoma of the cervix, Urol Radiol 1989; **11:** 230
Thornby JI See **Prasad N**
Thorne DA See **Middleton WD**
Thorneycroft IH See **Varma DGK**
Thornhill BA See **Cho KC**
Thornquist M See **Barnhart S**
Thornton AF See **Hegarty TJ**
Thornton AF Jr; Hegarty TJ; Ten Haken RK; et al: three-dimensional treatment planning of astrocytomas: a dosimetric study of cerebral irradiation, Int J Radiat Oncol Biol Phys 1991; **20:** 1309
Thorp D; Owens RG; Whitehouse G; et al: subjective experiences of magnetic resonance imaging, Clin Radiol 1990; **41:** 276
Thorpe P See **Ginsburg R**
Thorpe P See **Hunter DW**
Thorpe RJ See **Clouston JE**
Thorpe-Beeston JG; Gosden CM; Nicolaides KH: choroid plexus cysts and chromosomal defects, Br J Radiol 1990; **63:** 783
Thors F; Hoogland HJ: ultrasonography of fetal brain: some remarks with respect to the interpretation of the "cavum septi pellucidi", JCU 1990; **18:** 411
Thorsen MK See **Beyer GA**
Thorsen MK See **Zandt-Stastny D**
Thorsen MK; Erickson SJ; Mewissen MW; et al: CT and MR imaging of partial anomalous pulmonary venous return to the azygos vein, JCAT 1990; **14:** 1007
Thorsen MK; Lawson TL; Aiman EJ; et al: diagnosis of ectopic pregnancy: endovaginal vs transabdominal sonography, AJR 1990; **155:** 307
Thorstad BL See **Russell CD**
Thorstensen K See **Nordby A**
Thorvinger B; Albrechtsson U: spontaneous resolution of a descending aortic dissection: report of a case, Acta Radiol 1989; **30:** 305
Thorvinger B; Gudmundsson T; Horvath G; et al: staging in local endometrial carcinoma: assessment of magnetic resonance and ultrasound examinations, Acta Radiol 1989; **30:** 525
Thorvinger B; Horvath G; Samuelsson L: CT demonstration of fistulae in patients with gynecologic neoplasms, Acta Radiol 1990; **31:** 357
Thorvinger B; Lundin A; Albrechtsson U: increased rate of left predominance associated with adult valvular aortic stenosis, Acta Radiol 1990; **31:** 245
Thrall DE; Withrow SJ; Powers BE; et al: radiotherapy prior to cortical allograft limb sparing in dogs with osteosarcoma: a dose response assay, Int J Radiat Oncol Biol Phys 1990; **18:** 1351
Thrall JH See **Athanasoulis CA**
Thrall JH See **Shier CK**
Thrall JH See **Weissleder R**
Thrall JH; Wittenberg J: radiology summit 1990: specialization in radiology—trends, implications, and recommendations, AJR 1991; **156:** 1273
Thron AK See **Terwey B**
Thrush A; Enzmann D: MR imaging of infectious spondylitis, AJNR 1990; **11:** 1171
Thueroff JW See **Cramer BM**
Thulborn KR See **Rosenthal H**
Thulborn KR; Sorensen AG; Kowall NW; et al: role of ferritin and hemosiderin in the MR appearance of cerebral hemorrhage: a histopathologic biochemical study in rats, AJNR 1990; **11:** 291
Thulborn KR; Sorensen AG; Kowall NW; et al: role of ferritin and hemosiderin in the MR appearance of cerebral hemorrhage: a histopathologic biochemical study in rats, AJR 1990; **154:** 1053
Thum P See **Greiner RH**
Thuomas K-Å See **Duvernoy O**
Thuomas KÅ See **Lundin P**
Thuomas KÅ See **Naeser P**
Thurlbeck WM See **Gamsu G**
Thurmond AS See **Hedgpeth PL**
Thurmond AS: nonsurgical fallopian tube recanalization for treatment of infertility: reply, Radiology 1990; **177:** 589
Thurmond AS: selective salpingography and fallopian tube recanalization, AJR 1991; **156:** 33
Thurmond AS; Hedgpeth PL; Scanlan RM: selective injection of contrast media: inflammatory effects on rabbit fallopian tubes, Radiology 1991; **180:** 97
Thurmond AS; Patton PE; Hector DM; Jones MK: US-guided fallopian tube catheterization, Radiology 1991; **180:** 571
Thurmond AS; Rosch J: fallopian tube catheterization, (ab), Radiology 1990; **174:** 900
Thurmond AS; Rösch J: fallopian tubes: improved technique for catheterization, Radiology 1990; **174:** 572
Thurmond AS; Rösch J: nonsurgical fallopian tube recanalization for treatment of infertility, Radiology 1990; **174:** 371
Thurmond AS; Uchida BT; Rösch J: device for hysterosalpingography and fallopian tube catheterization, Radiology 1990; **174:** 571
Thurnher S See **Tzika AA**
Thurnher S; Hodler J; Baer S; et al: gadolinium-DOTA enhanced MR imaging of adnexal tumors, JCAT 1990; **14:** 939
Thurnher S; Tzika AA; Hricak H; et al: noncontrast and contrast enhanced MR imaging in the evaluation of partial ureteral obstruction: an experimental study in the micropig, Invest Radiol 1989; **24:** 544
Thurston DW See **Krupski WC**
Thurston W See **Yeung EY**
Tice HM See **Cohen HL**
Tidebrant G; Aaztely M; Lukes P; et al: comparison of non-enhanced, bolus enhanced, and delayed scanning techniques in computed tomography of hepatic tumours, Acta Radiol 1990; **31:** 161
Tidebrant G; Hafström LO; Tylén U: evaluation of intrahepatic tumour extent and prediction of resection size in liver tumours by computed tomography, ultrasonography and angiography, Acta Radiol 1989; **30:** 395
Tidebrant G; Lukes P; Tylén U: contrast enhancement of liver parenchyma and biliary tract related to liver function at delayed computed tomography, Acta Radiol 1990; **31:** 265
Tidebrant G; Lukes P; Tylén U; et al: demonstration of hepatic veins by computed tomography using axial and angulated scanning, Acta Radiol 1991; **32:** 149
Tidgren B; Golman K: effect of diatrizoate on renal extraction of PAH in man, Acta Radiol 1989; **30:** 521
Tieder M See **Stark H**
Tien R; Shirkhoda A; David R: circumferential perirenal urinoma mimicking nephromegaly on urography, Urol Radiol 1989; **11:** 92
Tien RD See **Black ML**
Tien RD See **Lee Y-Y**
Tien RD See **Osumi A**
Tien RD; Barkovich AJ; Edwards MSB: MR imaging of pineal tumors, AJNR 1990; **11:** 557
Tien RD; Barkovich AJ; Edwards MSB: MR imaging of pineal tumors, AJR 1990; **155:** 143
Tien RD; Brasch RC; Jackson DE; Dillon WP: cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Radiology 1989; **172:** 791
Tien RD; Chu PK; Hesselink JR; et al: intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, AJNR 1991; **12:** 245
Tien RD; Chu PK; Hesselink JR; et al: intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, AJR 1991; **156:** 1059
Tien RD; Chu PK; Hesselink JR; et al: intracranial cryptococcosis in immunocompromised patients: CT and MR findings in 29 cases, AJNR 1991; **12:** 283
Tien RD; Chu PK; Hesselink JR; et al: intracranial cryptococcosis in immunocompromised patients: CT and MR findings in 29 cases, AJR 1991; **156:** 1245
Tien RD; Dillon WP: herpes trigeminal neuritis and rhombencephalitis on Gd-DTPA–enhanced MR imaging, AJNR 1990; **11:** 413
Tien RD; Dillon WP: MR imaging of cavernous hemangioma of the optic chiasm, JCAT 1989; **13:** 1087
Tien RD; Dillon WP; Jackler RK: contrast-enhanced MR imaging of the facial nerve in 11 patients with Bell's palsy, AJNR 1990; **11:** 735
Tien RD; Dillon WP; Jackler RK: contrast-enhanced MR imaging of the facial nerve in 11 patients with Bell's palsy, AJR 1990; **155:** 573
Tien RD; Duberg A; Chu PK; et al: superior oblique tendon sheath syndrome (Brown syndrome): MR findings, AJNR 1990; **11:** 1210
Tien RD; Hesselink JR; Chu PK; et al: improved detection and delineation of head and neck lesions with fat suppression spin-echo MR imaging, AJNR 1991; **12:** 19
Tien RD; Hesselink JR; Duberg A: rare subependymal giant-cell astrocytoma in a neonate with tuberous sclerosis, AJNR 1990; **11:** 1251
Tien RD; Hesselink JR; Szumowski J: MR fat suppression combined with Gd-DTPA enhancement in optic neuritis and perineuritis, JCAT 1991; **15:** 223

Tien RD; Kucharczyk J; Kucharczyk W: MR imaging of the brain in patients with diabetes insipidus, AJNR 1991; **12:** 533
Tien RD; Kucharczyk J; Kucharczyk W: MR imaging of the brain in patients with diabetes insipidus, AJR 1991; **157:** 123
Tien RD; Kucharczyk J; Newton TH; et al: MR of diabetes insipidus in a patient with Erdheim-Chester disease: case report, AJNR 1990; **11:** 1267
Tien RD; Newton TH; Dillon WP; et al: simple method for spinal localization in MR imaging, AJNR 1989; **10:** 1232
Tien RD; Newton TH; McDermott MW; et al: thickened pituitary stalk on MR images in patients with diabetes insipidus and Langerhans cell histiocytosis, AJNR 1990; **11:** 703
Tien RD; Yang PJ; Chu PK: "dural tail sign": a specific MR sign of meningioma?, JCAT 1991; **15:** 64
Tierney LM Jr See **Low RN**
Tigani D See **Bettelli G**
Tikkakoski T; Lohela P; Leppänen M; et al: ultrasound-guided aspiration biopsy of anterior mediastinal masses, JCU 1991; **19:** 209
Tikkakoski T; Siniluoto T; Ollikainen A; et al: ultrasound-guided aspiration cytology of enlarged lymph nodes, Acta Radiol 1991; **32:** 53
Tikofsky RS See **Hellman RS**
Tikofsky RS; Hellman RS: brain single photon emission computed tomography: newer activation and intervention studies, Semin Nucl Med 1991; **21:** 40
Tilanus HW See **van Overhagen H**
Tilcock CP See **Unger EC**
Tilcock CP; Ahkong QF; Parr M: improved method for the preparation of liposomal gadolinium-DTPA: ionophore-mediated active entrapment of gadolinium, Invest Radiol 1991; **26:** 242
Tilcock CP; Unger EC; Ahkong QF; Fritz T; Koenig SH; Brown RD III: polymeric gastrointestinal MR contrast agents, JMRI 1991; **1:** 463
Tilcock CP; Unger EC; Cullis P; MacDougall P: liposomal Gd-DTPA: preparation and characterization of relaxivity, Radiology 1989; **171:** 77
Tiling R See **Rienmüller R**
Tilley E; Ryalls MR; Williams MP: case report: CT demonstration of pituitary stalk relapse in childhood acute lymphoblastic leukaemia, Clin Radiol 1989; **40:** 634
Tilley-Gulliford SA See **Gaspar LE**
Tillman BF See **Loyd JE**
Tillotson CL; Rosenberg AE; Rosenthal DI: controlled thermal injury of bone: report of a percutaneous technique using radiofrequency electrode and generator, Invest Radiol 1989; **24:** 888
Timins ME; Nemcek AA Jr: extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Radiology 1991; **178:** 584
Timmermans CWM See **Beentjes LB**
Timmons JH See **Anders GT**
Timmons JH; Bonikowski FW; Hartshorne MF: iodoamphetamine-123 brain imaging demonstrating cortical deactivation in a patient with progressive supranuclear palsy, Clin Nucl Med 1989; **14:** 841
Timmons JH; Hartshorne MF; Brantley MJ: functional brain imaging in cavernous hemangioma: demonstration of the anatomic lesion as the seizure focus, Clin Nucl Med 1990; **14:** 696
Timmons JH; Heironimus JD: cerebral infarct after aneurysm clipping: complementary role of computed tomography and functional brain scan, Clin Nucl Med 1991; **16:** 367
Timmons JH; Heironimus JD: coexistence of Alzheimer's disease and multi-infarct dementia diagnosed by functional brain imaging with SPECT, Clin Nucl Med 1990; **15:** 266
Timor-Tritsch IE See **Farine D**
Timor-Tritsch IE See **Peisner DB**
Timor-Tritsch IE; Peisner DB; Raju S: sonoembryology: an organ-oriented approach using a high-frequency vaginal probe, JCU 1990; **18:** 286
Tindale WB See **Glaffer MH**
Tindall GT See **Davis PC**
Tindel NL See **Keenan AM**
Tinnemans JGM; Wobbes T; Holland R; et al: treatment and survival of female patients with nonpalpable breast carcinoma, (ab), Radiology 1989; **172:** 884
Tintner R See **Bonte FJ**
Tio FO See **Alvarado R**
Tio FO See **Ghiatas AA**
Tio FO See **Palmaz JC**
Tio TL See **Hulsmans FJH**
Tio TL; Coene PPLO; Schouwink MH; Tytgat GNJ: esophagogastric carcinoma: preoperative TNM classification with endosonography, Radiology 1989; **173:** 411
Tio TL; Coene PPLO; van Delden OM; Tytgat GNJ: colorectal carcinoma: preoperative TNM classification with endosonography, Radiology 1991; **179:** 165
Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA: ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Radiology 1990; **175:** 455
Tipaldi L See **Giunta S**
Tirelli U: management of malignant lymphoma in the elderly: an EORTC retrospective evaluation, Acta Oncol 1989; **28:** 199
Tirelli U; Vaccher E; Rezza G; et al: Hodgkin's disease in association with acquired immunodeficiency syndrome (AIDS): a report on 36 patients, Acta Oncol 1989; **28:** 637
Tirone P See **Pavone P**
Tiselius HG; Pettersson B; Andersson A: extracorporeal shock wave lithotripsy of stones in the mid ureter, (ab), Radiology 1989; **172:** 884
Tisell L-E See **Ahlman H**
Tisell L-E See **Jansson S**
Tisell L-E; Ahlman H: treatment of the pancreatic disease of multiple endocrine neoplasia type 1 (MEN 1), Acta Oncol 1989; **28:** 415
Tishler JM See **Hamrick KM**
Tishler S; Hoffman JC Jr: anaphylactoid reactions to IV gadopentetate dimeglumine, AJNR 1990; **11:** 1167
Tisnado J See **Bezirdjian DR**
Tissing H See **Algra PR**
Titelbaum DS; Fowble BF; Powe JE; et al: renal uptake of technetium-99m methylene diphosphonate following therapeutic radiation for vertebral metastases, J Nucl Med 1989; **30:** 1113
Titelbaum DS; Frazier JL; Grossman RI; et al: Wallerian degeneration and inflammation in rat peripheral nerve detected by in vivo MR imaging, AJNR 1989; **10:** 741
Titelbaum DS; Hayward JC; Zimmerman RA: pachygyriclike changes: topographic appearance at MR imaging and CT and correlation with neurologic status, Radiology 1989; **173:** 663
Tito AM See **Philip AGS**
Tiu C-M See **Chen S-S**
Tiu C-M See **Chou Y-H**
Tiu S See **Kramer EL**
Tiula E See **Lamminen AE**
Tiver K: treatment of CNS tumours with conventional radiotherapy: the importance of dose & volume factors in tumour control & CNS radiation tolerance, Australas Radiol 1989; **33:** 15
Tiver KW See **Lindeman GJ**
Tiver KW See **Rosenthal MA**
Tjon A Tham RTO See **van Gils APG**
Tjon A Tham RTO; Falke THM; Jansen JBMJ; et al: CT and MR imaging of advanced Zollinger-Ellison syndrome, JCAT 1989; **13:** 821
Tjon A Tham RTO; Heyerman HGM; Falke THM; Zwinderman AH; Bloem JL; Bakker W; Lamers CBHW: cystic fibrosis: MR imaging of the pancreas, Radiology 1991; **179:** 183
Tjon A Tham RTO; Jansen JBMJ; Falke THM; et al: MR, CT, and ultrasound findings of metastatic vipoma in pancreas, JCAT 1989; **13:** 142
Tjon A Tham RTO; Vlasveld LT; Willemze R: gastrointestinal complications of cytosine-arabinoside chemotherapy: findings on plain abdominal radiographs, AJR 1990; **154:** 95
Tkach J See **Ross JS**
Tkach J See **VanDyke C**
Tkach JA See **Haacke EM**
Tkach JA See **Masaryk TJ**
To SYC; Lufkin RB; Chiu L: technical note: MR compatible winged infusion set, Comput Med Imag Graph 1989; **13:** 469
To SYC; Lufkin RB; Rand R; et al: volume growth rate of acoustic neuromas on MRI post-stereotactic radiosurgery, Comput Med Imag Graph 1990; **14:** 53
Toaff ME See **Lev-Toaff AS**
Tober JC See **Sawchuk AP**
Tobes MC; Fig LM; Carey J; et al: alterations of iodine-131 MIBG biodistribution in an anephric patient: comparison to normal and impaired renal function, J Nucl Med 1989; **30:** 1476
Tobin JN See **Steingart RM**
Tobin KD See **Pais SO**
Tobin KD: aortobifemoral perigraft abscess: treatment by percutaneous catheter drainage, (ab), Radiology 1989; **171:** 884
Tobin KD; Pais SO; Austin CB: femoral vein thrombosis following percutaneous placement of the Greenfield filter, Invest Radiol 1989; **24:** 442
Tobin KD; Pais SO; Austin CB: reevaluation of indications for percutaneous placement of the Greenfield filter, Invest Radiol 1989; **24:** 115
Tobin RL; Fontanesi J; Kun LE; et al: Wilms' tumor: reduced-dose radiotherapy in advanced-stage Wilms' tumor with favorable histology, Int J Radiat Oncol Biol Phys 1990; **19:** 867
Tobis JM; Miranda CP; Deutsch L; et al: mechanism of peripheral recanalization by laser-assisted thermal angioplasty: confirmation by intravascular sonography, AJR 1990; **155:** 1100
Tobon H; Doshi N: breast pathology synopsis, Semin US CT MR 1989; **10:** 139
Tochio H See **Kudo M**
Tocino I See **Haug PJ**
Todd AW; Naisby GP; Owen JP; et al: plasma osmolality, iodine concentration and urographic images following high and low osmolar contrast media, Clin Radiol 1991; **43:** 331
Todd BD; Godfrey LW; Bodley RN: intraoperative radioactive localization of an osteoid osteoma: a useful variation in technique, Br J Radiol 1989; **62:** 187
Todd CEC See **Boxer DI**
Todd GJ; Nowygrod R; Benvensity A; et al: accuracy of CT scanning in the diagnosis of abdominal and thoracoabdominal aortic aneurysms, (ab), Radiology 1991; **180:** 591
Todd LE See **Elizondo G**
Todo A See **Kudo M**
Todo S See **Stieber AC**
Todorov T; Vutova K; Mechkov G; et al: evaluation of response to chemotherapy of human cystic echinococcosis, Br J Radiol 1990; **63:** 523
Todros T; Gaglioti P; Presbitero P: management of a fetus with intrapericardial teratoma diagnosed in utero, J Ultrasound Med 1991; **10:** 287
Todros T; Meriggi E; Catella G; et al: growth of fetuses of diabetic mothers, JCU 1989; **17:** 333
Todros T; Ronco G; Lombardo D; et al: length of pregnancy: an echographic reappraisal, JCU 1991; **19:** 11
Tofler GH; Muller JE; Stone PH; et al: pericarditis in acute myocardial infarction: characterization and clinical significance, (ab), Radiology 1989; **173:** 586
Tofts PS See **Miller DH**
Tofts PS; du Boulay EPGH: towards quantitative measurements of relaxation times and other parameters in the brain, Neuroradiol 1990; **32:** 407
Tofts PS; Kermode AG: measurement of the blood–brain barrier permeability and leakage space using dynamic MR imaging. 1. fundamental concepts, Magn Res Med 1991; **17:** 357
Tofts PS; Kermode AG; MacManus DG; et al: nasal orientation device to control head movement during CT and MR studies, JCAT 1990; **14:** 163
Togashi K See **Kimura I**
Togashi K See **Sagoh T**
Togashi K; Nishimura K; Kimura I; Tsuda Y; Yamashita K; Shibata T; Nakano Y; Konishi J; Konishi I; Mori T: endometrial cysts: diagnosis with MR imaging, Radiology 1991; **180:** 73
Togashi K; Nishimura K; Sagoh T; Minami S; Noma S; Fujisawa I; Nakano Y; Konishi J; Ozasa H; Konishi I; Mori T: carcinoma of the cervix: staging with MR imaging, Radiology 1989; **171:** 245
Togashi K; Ozasa H; Konishi I; Itoh H; Nishimura K; Fujisawa I; Noma S; Sagoh T; Minami S; Yamashita K; Nakano Y; Konishi J; Mori T: enlarged uterus: differentiation between adenomyosis and leiomyoma with MR imaging, Radiology 1989; **171:** 531
Togashi M See **Itoh K**
Togawa T; Yui N; Koakutsu M; et al: two cases of adenocarcinoma of the lung in which thallium-201 gave a better delineation of metastatic lesions than gallium-67, Clin Nucl Med 1989; **14:** 197
Tohnosu N; Onoda S; Isono K: ultrasonographic evaluation of cervical lymph node metastases in esophageal cancer with special reference to the relationship betwen the short to long axis ratio (S/L) and the cancer content, JCU 1989; **17:** 101
Toi A See **Asch MR**
Toi A See **Dyke CH**
Toi A See **Wilson SR**
Toi A: anomalies of the fetal head, neck and spine: ultrasound diagnosis and management, Radiology 1989; **170:** 628
Toi A: obstetrical measurements in ultrasound: a reference manual, Radiology 1989; **170:** 712
Toi A: prenatal diagnosis of congenital anomalies, Radiology 1989; **173:** 662
Toifl K See **Dock W**
Tokita N See **Akine Y**
Tokita N; Akine Y; Egawa S; et al: biological dosimetry for iodine contrast medium and x-ray interactions by cell survival, Br J Radiol 1990; **63:** 735
Toktas FR See **Cehreli C**
Tokuda Y See **Kasagi K**
Tokuda Y; Kasagi K; Iida Y; et al: sonography of subacute thyroiditis: changes in the findings during the course of the disease, JCU 1990; **18:** 21

Tokumaru A See **Kato T**
Tokumaru A; O'uchi T; Eguchi T; Kawamoto S; Kokubo T; Suzuki M; Kameda T: prominent meningeal enhancement adjacent to meningioma on Gd-DTPA-enhanced MR images: histopathologic correlation, Radiology 1990; **175:** 431
Tokunaga K See **Hosoki T**
Tokunaga S See **Ehara S**
Tolbert P See **Steinfeld AD**
Tolcsvai L See **Rudin M**
Tolentino CS See **Lim GM**
Tolley DA See **Law J**
Tolly TL; Wells RG; Sty JR: MR features of fleeting CNS lesions associated with Epstein-Barr virus infection, JCAT 1989; **13:** 665
Tom BM; Rao VM; Farole A: bilateral temporomandibular joint ganglion cysts: CT and MR characteristics, AJNR 1990; **11:** 746
Tom V See **Spitzer RM**
Tomà P; Dell'Acqua A; Cordone M; et al: prenatal diagnosis of hydrosyringomyelia by high-resolution ultrasonography, JCU 1991; **19:** 51
Tomá P; Lucigrai G; Dodero P; et al: prenatal detection of an abdominal mass by MR imaging performed while the fetus is immobilized with pancuronium bromide, AJR 1990; **154:** 1049
Tomà P; Lucigrai G; Pelizza A: sonographic patterns of Caroli's disease: report of 5 new cases, JCU 1991; **19:** 155
Tomá P; Lucigrai G; Ravegnani M; et al: hydrocephalus and porencephaly: prenatal diagnosis by ultrasonography and MR imaging, JCAT 1990; **14:** 843
Tomà P; Magnano GM; Mezzano P; et al: cerebral ultrasound images in prenatal cytomegalovirus infection, Neuroradiol 1989; **31:** 278
Tomá P; Taccone A; Martinoli C: MRI of hepatic focal nodular hyperplasia: a report of two new cases in the pediatric age group, Pediatr Radiol 1990; **20:** 267
Toma SK; Seeds JW; Cefalo RC: high-resolution computerized color transformation of real-time gray scale ultrasound images, JCU 1989; **17:** 353
Tomac B See **Hebrang A**
Tomac B; Hebrang A: new catheter technique for transcubital intraarterial DSA of the aortic arch and the supraaortic vessels, Neuroradiol 1989; **31:** 80
Tomachefski J See **Chan TW**
Tomanek B See **Hennel F**
Tomashefski JF Jr See **Chung-Park M**
Tomashefski JF Jr See **Crass JR**
Tomaszewski J See **Schnall MD**
Tomaszewski JE See **Outwater E**
Tomaszewski JE See **Schiebler ML**
Tomé MA See **Ryoo MC**
Tomei E See **Saeed M**
Tomei E See **Semelka RC**
Tominaga K See **Mori K**
Tomita S See **Kudo M**
Tomkinson KN See **Suit HD**
Tomkinson KN See **Zietman AL**
Tomlanovich M See **Ownby DR**
Tomlanovich SJ See **Townsend RR**
Tomlinson D See **Menon DK**
Tomoda K See **Hori S**
Tomomasa T See **Perisic VN**
Tomooka Y; Onitsuka H; Goya T; et al: ultrasonography of benign gastric ulcers: characteristic features and sequential follow-ups, J Ultrasound Med 1989; **8:** 513
Tomoyoshi T See **Kim CJ**
Tompkins RG See **Morrel EM**
Tomsak RL See **Kaufman B**
Tomsick TA See **Wiot JG**
Tomsick TA; Brott TG; Chambers AA; et al: hyperdense middle cerebral artery sign on CT: efficacy in detecting middle cerebral artery thrombosis, AJNR 1990; **11:** 473
Tomsick TA; Brott TG; Olinger CP; et al: hyperdense middle cerebral artery: incidence and quantitative significance, Neuroradiol 1989; **31:** 312
Tomura N; Inugami A; Kanno I; et al: differentiation between cerebral embolism and thrombosis on sequential CT scans, JCAT 1990; **14:** 26
Tonami H; Tamamura H; Kimizu K; et al: intraocular lesions in patients with systemic disease: findings on MR imaging, AJNR 1989; **10:** 1185
Tonami H; Tamamura H; Kimizu K; et al: intraocular lesions in patients with systemic disease: findings on MR imaging, AJR 1990; **154:** 385
Tonami H; Yamamoto I; Matsuda M; Tamamura H; Yokota H; Nakagawa T; Takarada A; Okimura T: orbital fractures: surface coil MR imaging, Radiology 1991; **179:** 789
Tonami N See **Taki J**
Tonami N See **Yokoyama K**
Tonami N; Matsuda H; Ooba H; et al: thallium-201 accumulation in cerebral candidiasis: unexpected finding on SPECT, Clin Nucl Med 1990; **15:** 397
Tonami N; Shuke N; Yokoyama K; et al: thallium-201 single photon emission computed tomography in the evaluation of suspected lung cancer, J Nucl Med 1989; **30:** 997
Tonami N; Yokoyama K; Michigishi T; et al: thallium-201 single photon emission computed tomograms of double cancers: lung and breast, Clin Nucl Med 1989; **14:** 594
Tondeur M See **Denays R**
Tondeur M; Ham HR: case of false-positive bone imaging, Clin Nucl Med 1989; **14:** 547
Toner GC See **Panicek DM**
Toner M; Condell D; O'Briain DS: obstructive colitis: ulceroinflammatory lesions occurring proximal to colonic obstruction, (ab), Radiology 1991; **178:** 896
Toney MAO See **Diaz-Ball FL**
Toney MAO See **Moreno AJ**
Toney MAO; Moreno AJ; Rodriguez AA; et al: contained bile leak secondary to falciform ligament tear demonstrated by hepatobiliary imaging, Clin Nucl Med 1991; **16:** 182
Tong CM See **Blake GM**
Tong CM See **Sham JST**
Tonge KA See **Loveday EJ**
Tonkin ILD See **Boulden TF**
Tonkin ILD See **Felker RE**
Tonkin ILD See **Ferris EJ**
Tonkin ILD See **Medellin GJ**
Tonkin ILD See **Rand JC**
Tonkin ILD See **Winer-Muram HT**
Tonkin ILD; Hanissian AS; Boulden TF; et al: bronchial arteriography and embolotherapy for hemoptysis in patients with cystic fibrosis, Cardiovasc Intervent Radiol 1991; **14:** 241
Ton-That QT See **Huot D**
Ton-That QT; Picard D; Bissoon-Doyal D; et al: technetium-99m HMPAO imaging in Sturge-Weber syndrome, Clin Nucl Med 1990; **15:** 178
Toolanen G See **Ekelund L**
Tooley WH See **Nielson DW**
Toomey F See **Rouse GA**
Toouli J See **Dent J**
Topol EJ See **Ellis SG**
Topol EJ See **Muller DWM**
Toppet V See **Denays R**
Toppet V; Souayah H; Delplace O; et al: lymph node enlargement as a sign of acute hepatitis A in children, Pediatr Radiol 1990; **20:** 249
Tor Y See **Feinstein-Jaffe I**
Torack R See **Mirowitz SA**
Torbiak R; Pugash R: residents' corner: answer to case of the month #3: pyrogenic discitis, J Canad Assoc Radiol 1990; **41:** 49
Torbiak RP; Dent PB; Cockshott WP: NOMID—a neonatal syndrome of multisystem inflammation, Skeletal Radiol 1989; **18:** 359
Torcetta F See **Bianchi E**
Torch MA See **Southard RN**
Torem S See **Bernstein EF**
Torii Y; Hisatsune I; Imamura K; et al: giant Meckel diverticulum containing enteroliths diagnosed by computed tomography and sonography, Gastrointest Radiol 1989; **14:** 167
Toriumi DM See **Sisson GA Sr**
Toriwaki J-i See **Suzuki H**
Torloni H See **Lamego CMB**
Torner J See **Sanchiz F**
Torno RB See **Gugliada K**
Tornos C; Silva E; El-Naggar A; et al: calcium oxalate crystals in breast biopsies: the missing microcalcifications, (ab), Radiology 1991; **178:** 897
Tornyos K; Garcia O; Karr B; et al: correlation study of bone scanning with clinical and laboratory findings in the staging of nonsmall-cell lung cancer, Clin Nucl Med 1991; **16:** 107
Toronto Lung Transplant Group See **Herman SJ**
Toronto Lung Transplant Group See **Morrish WF**
Torp-Pedersen S See **Juul N**
Torp-Pedersen S See **Littrup PJ**
Torp-Pedersen S See **Lorentzen T**
Torp-Pedersen S See **Nolsøe CP**
Torp-Pedersen S: ultrasound of the prostate and its use for guided biopsy, Acta Oncol 1991; **30:** 153
Torp-Pedersen ST See **Iversen P**
Torp-Pedersen ST See **Lee F Jr**
Torp-Pedersen ST; Lee F: hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate specific antigen: reply, Radiology 1990; **175:** 583
Torp-Pedersen ST; Lee F; Littrup PJ; Siders DB; Kumasaka GH; Solomon MH; McLeary RD: transrectal biopsy of the prostate guided with transrectal US: longitudinal and multiplanar scanning, Radiology 1989; **170:** 23
Torre DM See **Bunker SR**
Torre SR See **Sanborn TA**
Torrella JE See **Naranjo IC**
Torrents C; Alvarez-Castells A; Vicente de Vera P; et al: postpneumocystis aspergilloma in AIDS: CT features, JCAT 1991; **15:** 304
Torres A; Jiménez P; Puig de la Bellacasa J; et al: diagnostic value of nonfluoroscopic percutaneous lung needle aspiration in patients with pneumonia, (ab), Radiology 1991; **179:** 293
Torres GM; Erquiaga E; Ros PR; Burton SS; Barreda R; Langmo LS; Kennedy SJ: preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders, Radiographics 1991; **11:** 785
Torres JL See **Burk DL Jr**
Torres VE See **Telenti A**
Torres WE See **Baumgartner BR**
Torres WE See **Maglinte DDT**
Torres WE See **Nelson RC**
Torres WE See **Steinberg HV**
Torres WE; Baumgartner BR: technical aspects of biliary extracorporeal shock wave lithotripsy, Radiol Clin North Am 1990; **28:** 1251
Torres WE; Baumgartner BR; Jones MT; Nelson RC: biliary lithotripsy: in vitro analysis of gallstone fragmentation for equivalent stone volumes, Radiology 1990; **177:** 507
Torres WE; Baumgartner BR; Nelson RC; Morris SJ: shock wave lithotripsy of gallstones: results and 12-month follow-up in 174 patients, Radiology 1991; **179:** 699
Torres WE; Burhenne HJ: biliary lithotripsy, (ab), Radiology 1989; **173:** 585
Torres WE; Laufer I: extracorporeal gallstone lithotripsy, Semin Roentgenol 1991; **26:** 267
Torres WE; Maglinte DDT; Steinberg HV: biliary lithotripsy team: the necessity for an interdisciplinary approach, Radiology 1989; **171:** 73
Torres WE; Steinberg HV; Davis RC; Baumgartner BR; Nelson RC; Casarella WJ: extracorporeal shock wave lithotripsy of gallstones: results and 6-month follow-up in 141 patients, Radiology 1991; **178:** 509
Torresi U See **Tummarello D**
Torricelli P; Martinelli C; Biagini R; et al: radiographic and computed tomographic findings in hydatid disease of bone, Skeletal Radiol 1990; **19:** 435
Torrijo C See **Marti-Bonmati L**
Torrisi JM; Haller JO; Velcek FT: choledochal cyst and biliary atresia in the neonate: imaging findings in five cases, AJR 1990; **155:** 1273
Torrisi JR; Dritschilo A; Harter KW; et al: randomized study of the efficacy of adjuvant local graft irradiation following renal transplantation, Int J Radiat Oncol Biol Phys 1990; **18:** 1027
Torsello G See **Kuhn F-P**
Tortoli P; Valgimigli F; Guidi G; et al: clinical evaluation of a new anti-aliasing technique for ultrasound pulsed Doppler analysis, Ultrasound Med Biol 1989; **15:** 749
Tortori-Donati P; Cama A; Rosa ML; et al: occult spinal dysraphism: neuroradiological study, Neuroradiol 1990; **31:** 512
Toth J See **Gardner D**
Totterman S See **Francis CW**
Totterman S See **Ketonen L**
Totterman S See **Rubens D**
Totterman S See **Simon JH**
Totterman S; Foster TH; Plewes DB; et al: dual cervical thoracic coil for spine magnetic resonance imaging, Acta Radiol 1989; **30:** 661
Totterman S; Francis CW; Foster TH; et al: diagnosis of femoropopliteal venous thrombosis with MR imaging: a comparison of four MR pulse sequences, AJR 1990; **154:** 175
Totterman S; Weiss SL; Szumowski J; et al: MR fat suppression technique in the evaluation of normal structures of the knee, JCAT 1989; **13:** 473
Totterman SM; Heberger R; Miller R; et al: two-piece wrist surface coil, AJR 1991; **156:** 343
Totty WG See **Brown JJ**
Totty WG See **Conway WF**
Totty WG See **Liou JTS**
Totty WG See **Mann FA**
Totty WG See **Murphy WA Jr**
Totty WG See **Schertz LD**
Totty WG See **Smith DK**
Totty WG See **Solomon SL**
Totty WG See **Staten MA**
Totty WG See **Wilson AJ**
Toubas O See **Fornage BD**
Touchette A See **Slovis TL**
Touei H See **Takahashi K**
Tournade A; Patay Z; Tajahmady T; et al: contribution of discography to the diagnosis and treatment of lumbar disc herniation, J Neuroradiol 1991; **18:** 1

Tournoux P See **Musolino A**
Tovi M; Lilja A; Bergström M; et al: delineation of gliomas with magnetic resonance imaging using Gd-DTPA in comparison with computed tomography and positron emission tomography, Acta Radiol 1990; **31:** 417
Towbin R See **Wood BP**
Towbin RB See **Amundson GM**
Towbin RB See **Ball WS Jr**
Towbin RB See **Becker CJ**
Towbin RB See **Brody AS**
Towbin RB See **Chen PC**
Towbin RB See **Cohen MD**
Towbin RB See **Han BK**
Towbin RB See **Matsumoto J**
Towbin RB See **Mize W**
Towbin RB: pediatric interventional procedures in the 1980s: a period of development, growth, and acceptance, Radiology 1989; **170:** 1081
Towbin RB; Dunbar JS; Rice S: magnet catheter for removal of magnetic foreign bodies, AJR 1990; **154:** 149
Towbin RB; Lederman HM; Dunbar JS; et al: esophageal edema as a predictor of unsuccessful balloon extraction of esophageal foreign body, Pediatr Radiol 1989; **19:** 359
Towbin RB; Myer CM; Thompson RF: percutaneous transnasal sphenoidotomy with sphenoid window, AJNR 1989; **10:** 845
Towers CV See **Chinn DH**
Towers CV See **Pircon RA**
Towers MJ See **Downey DB**
Towers MJ; Downey DB; Poon PY: psoas muscle calcification and acute renal failure associated with nontraumatic rhabdomyolysis: CT features, JCAT 1990; **14:** 1027
Towers MJ; Withers CE; Hamilton PA; et al: visceral calcification in patients with AIDS may not always be due to *Pneumocystis carinii*, AJR 1991; **156:** 745
Towfighi J See **Mamourian AC**
Towne JB See **Bandyk DF**
Towne JB See **Bergamini TM**
Towner RA See **Brauer M**
Townsend JJ See **Smoker WRK**
Townsend RN; Colella JJ; Diamond DL: traumatic rupture of the aorta: critical decisions for trauma surgeons, (ab), JVIR 1991; **2:** 291
Townsend RR: CT of AIDS-related lymphoma, AJR 1991; **156:** 969
Townsend RR; Jeffrey RB Jr; Laing FC: cecal diverticulitis differentiated from appendicitis using graded-compression sonography, AJR 1989; **152:** 1229
Townsend RR; Laing FC; Jeffrey RB Jr; Bottles K: abdominal lymphoma in AIDS: evaluation with US, Radiology 1989; **171:** 719
Townsend RR; Tomlanovich SJ; Goldstein RB; et al: combined Doppler and morphologic sonographic evaluation of renal transplant rejection, J Ultrasound Med 1990; **9:** 199
Toyama H; Takeshita G; Takeuchi A; et al: cerebral hemodynamics in patients with chronic obstructive carotid disease by rCBF, rCBV, and rCBV/rCBF ratio using SPECT, J Nucl Med 1990; **31:** 55
Toye R; Armstrong P; Dacie JE: lymphangiohaemangioma of the mediastinum, Br J Radiol 1991; **64:** 62
Toye R; Jones DK; Armstrong P; et al: case report: numerous pulmonary metastases from renal cell carcinoma confined to the middle lobe, Clin Radiol 1990; **42:** 443
Toyoda K; Miyamoto Y; Ida M; Tada S; Utsunomiya M: hyperechoic medulla of the kidneys, Radiology 1989; **173:** 431
Toyohara T; Kaneko T; Araki H; et al: giant epiphrenic diverticulum in a boy with Ehlers-Danlos syndrome, Pediatr Radiol 1989; **19:** 437
Toyokura Y See **Shintani S**
Tozer GM; Bhujwalla ZM; Griffiths JR; et al: phosphorus-31 magnetic resonance spectroscopy and blood perfusion of the RIF-1 tumor following x-irradiation, Int J Radiat Oncol Biol Phys 1989; **16:** 155
Tozzi R; Hernanz-Schulman M; Kiley R; et al: congenital pulmonary steal associated with Tetralogy of Fallot, right aortic arch and an isolated left carotid artery, Pediatr Radiol 1989; **19:** 449
Trabucco AF; Johansson SL; Egan JD; et al: neoplasia and acquired renal cystic disease in patients undergoing chronic ambulatory peritoneal dialysis, (ab), Radiology 1990; **176:** 884
Tracy TF Jr See **Weber TR**
Traflet RF; Babaria AR; Barolat G; et al: intracranial chondroma in a patient with Ollier's disease: case report, (ab), Radiology 1989; **173:** 886
Trahey GE; Zhao D; Freiburger PD; et al: real-time adaptive ultrasonic imaging system, Invest Radiol 1990; **25:** 1029
Train JS See **Mitty HA**
Train JS See **Sanborn TA**
Traindl O See **Trattnig S**
Trakadas S See **Vlachos L**
Trambert J; Reinitz E; Buchbinder S: ruptured hepatic artery aneurysms in a patient with systemic lupus erythematosus: case report, Cardiovasc Intervent Radiol 1989; **12:** 32
Trambert JJ; Rabin AM; Weiss KL; et al: pericaliceal varices due to the nutcracker phenomenon, AJR 1990; **154:** 305
Trambert MA See **Hayward I**
Trambert MA; Mattrey RF; Levine D; Berthoty DP: subacute scrotal pain: evaluation of torsion versus epididymitis with MR imaging, Radiology 1990; **175:** 53
Tran HD See **Lowry PA**
Tran L See **Blount LH**
Tran L; Sidrys J; Sadeghi A; et al: salivary gland tumors of the oral cavity, Int J Radiat Oncol Biol Phys 1990; **18:** 413
Tran T; Grech P; Crofton ME: computed tomographic staging of testicular tumours: an unexpected source of error, Br J Radiol 1989; **62:** 942
Tran TL; McCarty M: case of the month: the forgotten incident, Br J Radiol 1990; **63:** 659
Tran TL; Pitt PCC: hernia through the foramen of Winslow. a report of two cases with emphasis on plain film interpretation, Clin Radiol 1989; **40:** 264
Tran TL; Regan F; Al-Kutoubi MAO: computed tomography of lesser sac hernia through the gastrohepatic omentum, Br J Radiol 1991; **64:** 372
Tranchant C See **Dietemann JL**
Tran-Minh VA See **Douek P**
Tran-Minh VA; Le Gall C; Pasquier JM; et al: mycotic aneurysm of the abdominal aorta in the neonate, JCU 1989; **17:** 37
Transbøl I See **Karstrup S**
Trapp TK See **Alessi DM**
Trasimeni G See **Gualdi GF**
Trastek VF See **Daly RC**
Trastek VF See **McGovern EM**
Trattnig S; Hübsch P; Traindl O; et al: renal osteodystrophy: radiological diagnosis compared with a new radioimmunoassay method of parathyroid hormone, Acta Radiol 1990; **31:** 505
Trattnig S; Schindler E; Ungersböck K; et al: extra-CNS metastases of glioblastoma: CT and MR studies, JCAT 1990; **14:** 294
Trattnig S; Schwaighofer B; Hübsch P; et al: color-coded Doppler sonography of vertebral arteries, J Ultrasound Med 1991; **10:** 221
Traughber PD; Havlina JM Jr: bilateral pedicle stress fractures: SPECT and CT features, JCAT 1991; **15:** 338
Traughber PD; Murray WT; Johnson FG: deep soft tissue mass of the thigh, Invest Radiol 1991; **26:** 92
Travaglini J See **Jones D**
Travelli R; Cogbill TH: retrieval of a 4-French diagnostic catheter fragment from the common carotid artery by using a stone basket, AJR 1991; **156:** 1105
Travezan R See **Zaharia M**
Travis EL See **Terry NHA**
Travis R See **Weston PMT**
Travis RC See **Moore TE**
Travis RC: gastric antral webs in adults, Australas Radiol 1990; **34:** 266
Travis RC; Murray PI; Moseley IF; et al: orbital intraconal haematic cysts in young people: computed tomography and magnetic resonance imaging, Br J Radiol 1989; **62:** 521
Travis RC; Rowan DM; Miller J: case of the month: just another case of varicose veins?, Br J Radiol 1990; **63:** 581
Travis S; Davies DR; Creamer B: acute colorectal ischaemia after anaphylactoid shock, (ab), Radiology 1991; **181:** 610
Travis WD See **Choyke PL**
Travis WD See **Doppman JL**
Travis WD See **Feuerstein IM**
Travis WD See **Rom WN**
Travis WD See **Smith WS**
Travis WD; Hoffman GS; Leavitt RY; et al: surgical pathology of the lung in Wegener's granulomatosis: review of 87 open lung biopsies from 67 patients, (ab), Radiology 1991; **180:** 884
Travis WD; Li C-Y; Bergstralh EJ; et al: systemic mast cell disease: analysis of 58 cases and literature review, (ab), Radiology 1989; **172:** 591
Travis WD; Pittaluga S; Lipschik GY; et al: atypical manifestations of *Pneumocystis carini* pneumonia in the acquired immune deficiency syndrome: review of 123 lung biopsies from 76 patients with emphasis on cysts, vascular invasion, vasculitis, and granulomas, (ab), Radiology 1990; **177:** 892
Traxler M See **Gritzmann N**
Traxler M; Solar P; Ulm C; et al: ultrasonographic measurement of the soft-tissue of the upper jaw, Acta Radiol 1991; **32:** 3
Traystman RJ See **Taylor GA**
Treacy EP; Duncan WJ; Tyrrell MJ; et al: neurological complications of balloon angioplasty in children, (ab), JVIR 1991; **2:** 410
Trefelner E See **Abrahams JJ**
Trefelner E See **Kornick J**
Treffert JD See **DeVito RP**
Trefler M See **Cohn M**
Treiger BFG; Humphrey LS; Peterson CV Jr; et al: transesophageal echocardiography in renal cell carcinoma: an accurate diagnostic technique for intracaval neoplastic extension, (ab), Radiology 1991; **181:** 911
Treiman RL See **Segalowitz J**
Treisch J See **Volle E**
Treistman B See **Lopez-Velarde P**
Trenkner JD See **Mantravadi RVP**
Trenkner SW: gastrointestinal radiology: a pattern approach, Radiology 1990; **175:** 462
Trenkner SW: imaging of the liver, pancreas, and spleen, Radiology 1991; **181:** 208
Trenkner SW: liver imaging: current trends and new techniques, Radiology 1991; **181:** 804
Trenkner SW: modern imaging of the liver, Radiology 1990; **175:** 474
Trenkner SW; Shaw MJ: ERCP atlas, Radiology 1990; **177:** 140
Trent MS; Parsonnet V; Shoenfield R; et al: balloon-expandable intravascular stent for obliterating experimental aortic dissection, (ab), Radiology 1990; **177:** 597
Trepashko DW See **Wells GA**
Trerotola SO; Fishman EK; Kuhlman JE: computed tomography of uterine sarcomas, Clin Imag 1989; **13:** 208
Trerotola SO; Jones B; Crist DW; Cameron JL: pylorus-preserving Whipple pancreaticoduodenectomy: postoperative evaluation, Radiology 1989; **171:** 735
Trerotola SO; Kuhlman JE; Fishman EK: bleeding complications of femoral catheterization: CT evaluation, Radiology 1990; **174:** 37
Trerotola SO; Kuhlman JE; Fishman EK: CT and anatomic study of postcatheterization hematomas, Radiographics 1991; **11:** 247
Tress BM See **Fredericks BJ**
Tress BM; Hare WSC: CT of the spine: are plain spine radiographs necessary?, Clin Radiol 1990; **41:** 317
Tretiak OJ See **Shivaramakrishnan K**
Tretiak OJ See **Waks A**
Treuner J; Suder J; Keim M; et al: predictive value of initial cytostatic response in primary unresectable rhabdomyosarcoma in children, Acta Oncol 1989; **28:** 67
Treurniet-Donker AD; van Mierlo MJM; van Putten WLJ: localized unresectable pancreatic cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 59
Treutenaere JM See **Menanteau BP**
Treves ST See **Bellah RD**
Trevisani L See **Bighi S**
Trewhella M See **Dawson P**
Trewhella M; Dawson P; Forsling M; et al: vasopressin release in response to intravenously injected contrast media, Br J Radiol 1990; **63:** 97
Trewhella M; Reid B; Gillespie A; et al: percutaneous nephrostomy to relieve renal tract obstruction in pregnancy, Br J Radiol 1991; **64:** 471
Triadafilopoulos G See **Hallstone A**
Tribble CG; Gerkin TM; Flanagan TL; et al: vena caval involvement with renal tumors: surgical considerations, (ab), Radiology 1989; **170:** 587
Tribble KA; Wilkinson RH Jr; Beytas EM: spontaneous urinary extravasation during a diuretic radionuclide renal study: report of two cases, Clin Nucl Med 1990; **15:** 379
Tribble RW See **Hansen KJ**
Tribukait B See **Adolfsson J**
Tribukait B See **Sahni K**
Tribukait B: DNA flow cytometry in carcinoma of the prostate for diagnosis, prognosis and study of tumor biology, Acta Oncol 1991; **30:** 187
Trigaux J-PP See **Van Beers BE**
Trigaux J-PP; Delchambre FE; Van Beers BE: anatomical variations of the carotid bifurcation: implications for digital subtraction angiography and ultrasonography, Br J Radiol 1990; **63:** 181
Trigaux J-PP; Sibille Y; Van Beers BE: intrathoracic rib: CT features, JCAT 1990; **14:** 133
Trigaux J-PP; Van Beers BE: thoracic collateral venous channels: normal and pathologic CT findings, JCAT 1990; **14:** 769
Trigaux J-PP; Van Beers BE; Delchambre FE: male genital tract malformations associated with ipsilateral renal agenesis: sonographic findings, JCU 1991; **19:** 3
Trigaux J-PP; Van Beers BE; Delchambre FE; et al: sciatic venous drainage demonstrated by varicography in patients with a patent deep venous system, Cardiovasc Intervent Radiol 1989; **12:** 103

Trigaux J-PP; Van Beers BE; Melange M; et al: alcoholic liver disease: value of the left-to-right portal vein ratio in its sonographic diagnosis, Gastrointest Radiol 1991; **16:** 215
Trigaux J-PP; Van Beers BE; Weynants P: case of the month: hour-glass lipoma, Br J Radiol 1990; **63:** 497
Trigg ME See **Parker SL**
Triglia J-M See **Bartoli J-M**
Triller J; Maddern G; Kraft P; et al: CT-guided biopsy of pelvic masses, Cardiovasc Intervent Radiol 1991; **14:** 63
Trillet V See **Mornex F**
Trimble LA See **Nosel W**
Trindade E See **Caro JJ**
Trinh BC See **Lafortune M**
Trinh TD; Jones B; Fishman EK: amyloidosis of the colon presenting as ischemic colitis: a case report and review of the literature, Gastrointest Radiol 1991; **16:** 133
Tripathi RP See **Jena A**
Tripcony LB See **Poulsen MG**
Triulzi F See **Maghnie M**
Trivedi PN See **Ranade SS**
Trnovec T; Kállay Z; Bezek Š: effects of ionizing radiation on the blood brain barrier permeability to pharmacologically active substances, Int J Radiat Oncol Biol Phys 1990; **19:** 1581
Trobe JD See **Silverstein AM**
Tröger J See **Bick U**
Trombly ST See **Bettmann MA**
Trooskin SZ See **Nosher JL**
Tropé C See **Kaern J**
Tropp J See **Derby K**
Tropp J See **Ross BD**
Tropp JS; Sugiura S: dual-tuned probe and multiband receiver front end for X-nucleus spectroscopy with proton scout imaging *in vivo*, Magn Res Med 1989; **11:** 405
Trotot PM; Vazeux R; Yamashita HK; et al: MRI pattern of progressive multifocal leukoencephalopathy (PML) in AIDS: pathological correlations, J Neuroradiol 1990; **17:** 233
Trott K-R See **Breiter N**
Trott K-R: cell repopulation and overall treatment time, Int J Radiat Oncol Biol Phys 1990; **19:** 1071
Trotter J See **Anderson JEM**
Trotter MJ; Acker BD; Chaplin DJ: histological evidence for nonperfused vasculature in a murine tumor following hydralazine administration, Int J Radiat Oncol Biol Phys 1989; **17:** 785
Trotter MJ; Chaplin DJ; Durand RE; et al: use of fluorescent probes to identify regions of transient perfusion in murine tumors, Int J Radiat Oncol Biol Phys 1989; **16:** 931
Trotti A See **Kim RY**
Trouet A See **Hashimoto Y**
Troughton AH; Waring J; Longstaff A; et al: role of magnetic resonance imaging in the investigation of undescended testes, Clin Radiol 1990; **41:** 178
Troup PJ See **Goodman LR**
Troupin RH See **Evers K**
Troupin RH See **Solin LJ**
Troupin RH: mini-fellowship in teaching: a senior resident elective, Invest Radiol 1990; **25:** 751
Troupp H See **Ondra SL**
Troutman R See **Taylor LM Jr**
Trowbridge DR See **Gemer LS**
Troy RB See **Desberg AL**
Truc JB See **Buy J-N**
Truc JB See **Ghossain MA**
Trudeau ME See **Zalev AH**
Trudeau WL See **Kudo M**
Trudeau WL See **Vera DR**
Trudell D See **Chandnani VP**
Trudell D See **Kindynis P**
Trudell D See **Kjellin I**
Trudinger BJ See **Cook CM**
Trudinger BJ See **Thompson RS**
Trufant S See **Weisberg LA**
Trump DL See **Pozniak MA**
Truong LD; Cartwright J Jr; Goodman MD; et al: silicone lymphadenopathy associated with augmentation mammaplasty: morphologic features of nine cases, (ab), Radiology 1989; **170:** 296
Truong S See **Alzen G**
Trusler GA See **Castaneda AR**
Trussart V; Berry I; Manelfe C; et al: epileptogenic cerebral vascular malformations and MRI, J Neuroradiol 1989; **16:** 273
Truwit CL See **Barkovich AJ**
Truwit CL; Barkovich AJ: pathogenesis of intracranial lipoma: an MR study in 42 patients, AJNR 1990; **11:** 665
Truwit CL; Barkovich AJ: pathogenesis of intracranial lipoma: an MR study in 42 patients, AJR 1990; **155:** 855
Truwit CL; Barkovich AJ; Gean-Marton A; Hibri N; Norman D: loss of the insular ribbon: another early CT sign of acute middle cerebral artery infarction, Radiology 1990; **176:** 801
Truwit CL; Denaro CP; Lake JR; et al: MR imaging of reversible cyclosporin A-induced neurotoxicity, AJNR 1991; **12:** 651
Truwit CL; Harle TS: case report 524, Skeletal Radiol 1989; **18:** 75
Truwit CL; Jackson M; Thompson IM: idiopathic macroorchidism, JCU 1989; **17:** 200
Truwit CL; Williams RG; Armstrong EA; et al: MR imaging of choroid plexus lipomas, AJNR 1990; **11:** 202
Tryhus MR; Smoker WRK; Harnsberger HR: normal and diseased masticator space, Semin US CT MR 1990; **11:** 476
Tsai C-C See **Wan Y-L**
Tsai D See **Fink-Bennett D**
Tsai FY See **Higashida RT**
Tsai FY See **Myers TV**
Tsai FY; Shah DC; Alfieri K; et al: intravascular therapeutic embolization for acute traumatic bleeding from the ear, AJNR 1989; **10:** S40
Tsai FY; Wadley D; Angle JF; et al: superselective ophthalmic angiography for diagnostic and therapeutic use, AJNR 1990; **11:** 1203
Tsai JC; Dalinka MK; Fallon MD; Zlatkin MB; Kressel HY: fluid-fluid level: a nonspecific finding in tumors of bone and soft tissue, Radiology 1990; **175:** 779
Tsai JC; Zlatkin MB: magnetic resonance imaging of the shoulder, Radiol Clin North Am 1990; **28:** 279
Tsai J-S; Buck BA; Svensson GK; et al: quality assurance in stereotactic radiosurgery using a standard linear accelerator, Int J Radiat Oncol Biol Phys 1991; **21:** 737
Tsai T-C; Lee H-C; Huang F-Y: size of the renal pelvis on ultrasonography in children, JCU 1989; **17:** 647
Tsai Y-T See **Wang S-S**
Tsakalakis PJ See **Roe JY**
Tsang Y-M See **Elizondo G**
Ts'ao C See **Ward WF**
Ts'ao C-H See **Ward WF**
Tsao SY See **Leung SF**
Tsao SY See **Teo P**
Tsavaris NB; Papaioannou D; Beldecos D; et al: comparison of antiemetic acivity of chloropromazine and high doses of metoclopramide in cisplatin-based chemotherapy, Acta Oncol 1990; **29:** 1005
Tsay HM See **Eaton S**
Tscholakoff D See **Haller J**
Tscholakoff D See **Herold CJ**
Tscholakoff D See **Mostbeck GH**
Tscholakoff D See **Schurawitzki H**
Tse JW; Wiebe LI; Noujaim AA: high specific activity [Samarium-153] EDTA for imaging of experimental tumor models, J Nucl Med 1989; **30:** 202
Tsianos EV See **Gossios KJ**
Tsikuras P See **Strecker E-P**
Tso CY See **Dewhirst MW**
Tsoueros JG See **Damilakis JE**
Tsubokawa T See **Katayama Y**
Tsubokura T See **Okamoto M**
Tsubota M See **Watanabe Y**
Tsuchida S See **Asari S**
Tsuchigame T; Ogata Y; Sumi M; et al: differential diagnosis of gastric adenoma and type IIA early gastric cancer, Acta Radiol 1991; **32:** 37
Tsuchita H See **Kurokawa Y**
Tsuchiya R See **Naruke T**
Tsuchiya T; Yasaka M; Yamaguchi T; et al: imaging of the basal cerebral arteries and measurement of blood velocity in adults by using transcranial real-time color flow Doppler sonography, AJNR 1991; **12:** 497
Tsuchiya T; Yasaka M; Yamaguchi T; et al: imaging of the basal cerebral arteries and measurement of blood velocity in adults by using transcranial real-time color flow Doppler sonography, AJR 1991; **157:** 397
Tsuchiya Y: early carcinoma of the gallbladder: macroscopic features and US findings, Radiology 1991; **179:** 171
Tsuda K See **Araki Y**
Tsuda T See **Haruma K**
Tsuda Y See **Togashi K**
Tsuda Y; Nishimura K; Kawakami S; et al: preduodenal portal vein and anomalous continuation of inferior vena cava: CT findings, JCAT 1991; **15:** 585
Tsugaya M; Hirao N; Sakagami H; et al: computerized tomography in acute pyelonephritis: the clinical correlations, (ab), Radiology 1991; **178:** 898
Tsui BMW; Gullberg GT; Edgerton ER; et al: correction of nonuniform attenuation in cardiac SPECT imaging, J Nucl Med 1989; **30:** 497
Tsuji C See **Shioya S**
Tsuji H; Takazakura E; Terada Y; et al: CT demonstration of spinal epidural emphysema complicating bronchial asthma and violent coughing, JCAT 1989; **13:** 38
Tsuji K See **Sato M**
Tsuji M See **Kuribayashi S**
Tsuji S See **Matsuda H**
Tsujii H; Kamada T; Matsuoka Y; et al: value of treatment planning using CT and an immobilizing shell in radiotherapy for paranasal sinus carcinomas, Int J Radiat Oncol Biol Phys 1989; **16:** 243
Tsukada K See **Kataoka S**
Tsukamoto H See **Cova M**
Tsukamoto T See **Sakuma H**
Tsukamoto Y See **Mitake M**
Tsukuda M See **Onitsuka H**
Tsunoda T See **Terabayashi H**
Tsuruda J See **Moseley ME**
Tsuruda JS See **Anderson CM**
Tsuruda JS See **De Marco JK**
Tsuruda JS See **Saloner D**
Tsuruda JS See **Sevick RJ**
Tsuruda JS See **Sze G**
Tsuruda JS See **Wong WS**
Tsuruda JS; Chew WM; Moseley ME; et al: diffusion-weighted MR imaging of extraaxial tumors, Magn Res Med 1991; **19:** 316
Tsuruda JS; Chew WM; Moseley ME; et al: diffusion-weighted MR imaging of the brain: value of differentiating between extraaxial cysts and epidermoid tumors, AJNR 1990; **11:** 925
Tsuruda JS; Chew WM; Moseley ME; et al: diffusion-weighted MR imaging of the brain: value of differentiating between extraaxial cysts and epidermoid tumors, AJR 1990; **155:** 1059
Tsuruda JS; Norman D; Dillon WP; et al: three-dimensional gradient-recalled MR imaging as a screening tool for the diagnosis of cervical radiculopathy, AJNR 1989; **10:** 1263
Tsuruda JS; Norman D; Dillon WP; et al: three-dimensional gradient-recalled MR imaging as a screening tool for the diagnosis of cervical radiculopathy, AJR 1990; **154:** 375
Tsuruda JS; Remley K: effects of magnetic susceptibility artifacts and motion in evaluating the cervical neural foramina on 3DFT gradient-echo MR imaging, AJNR 1991; **12:** 237
Tsuruda JS; Remley K: effects of magnetic susceptibility artifacts and motion in evaluating the cervical neural foramina on 3DFT gradient-echo MR imaging, AJR 1991; **156:** 1069
Tsuruda JS; Shimakawa A; Pelc NJ; et al: dural sinus occlusion: evaluation with phase-sensitive gradient-echo MR imaging, AJNR 1991; **12:** 481
Tsuruda JS; Shimakawa A; Pelc NJ; et al: dural sinus occlusion: evaluation with phase-sensitive gradient-echo MR imaging, AJR 1991; **157:** 139
Tsurui N; Ishida H; Morikawa P; et al: splenic lymphangioma: report of two cases, JCU 1991; **19:** 244
Tsuruta K See **Kawaguchi K**
Tsuruta T See **Kozlowski K**
Tsutsui K See **Kimura I**
Tsutsui M; Araki Y; Shirakusa T; et al: characteristic radiographic features of pulmonary carcinoma associated with large bulla, (ab), Radiology 1989; **172:** 585
Tsutsui S See **Mori M**
Tsutsui T See **Uematsu M**
Tsuzuki T; Ueda M; Kuramochi S; et al: carcinoma of the main hepatic duct junction: indications, operative morbidity and mortality, and long-term survival, (ab), JVIR 1991; **2:** 297
Tu RK; Peters ME; Gourley GR; et al: esophageal histoplasmosis in a child with immunodeficiency with hyper-IgM, AJR 1991; **157:** 381
Tubau JF; Szlachcic J; Hollenberg M; et al: usefulness of thallium-201 scintigraphy in predicting the development of angina pectoris in hypertensive patients with left ventricular hypertrophy, (ab), Radiology 1990; **174:** 901
Tubbs RR See **Ng TC**
Tubergen K; Corlija M; Volkert WA; et al: sensitivity of technetium-99m-d,l-HMPAO to radiolysis in aqueous solutions, J Nucl Med 1991; **32:** 111
Tubiana J-M See **Beaulé V**
Tubiana J-M See **Laredo J-D**
Tubiana M: International Society of Radiology and International Congress of Radiology, Radiology 1989; **170:** 883
Tubiana M: the 1987 Franz Buschke lecture: the role of radiotherapy in the treatment of chemosensitive tumors, Int J Radiat Oncol Biol Phys 1989; **16:** 763
Tubiana M: tumor cell proliferation kinetics and tumor growth rate, Acta Oncol 1989; **28:** 113
Tubiana M; Koscielny S: natural history of breast cancer: implications for a screening strategy, Int J Radiat Oncol Biol Phys 1990; **19:** 1117
Tublin ME See **Dodd GD III**

Tuboi S See **Ito S**
Tuchiya K See **Makita K**
Tuchman M; Lemieux B; Auray-Blais C; et al: screening for neuroblastoma at 3 weeks of age: methods and preliminary results from the Quebec neuroblastoma screening project, (ab), Radiology 1991; **179:** 888
Tuchman RF; Alvarez LA; Kantrowitz AB; et al: opsoclonus-myoclonus syndrome: correlation of radiographic and pathological observations, Neuroradiol 1989; **31:** 250
Tuchman RF; Moser FG; Moshé SL: carbon monoxide poisoning: bilateral lesions in the thalamus on MR imaging of the brain, Pediatr Radiol 1990; **20:** 478
Tucker DM See **Wu X**
Tucker JA See **Dewhirst MW**
Tucker MS See **Keefe B**
Tucker SL See **Eifel PJ**
Tucker SL; Thames HD Jr: effect of patient-to-patient variability on the accuracy of predictive assays of tumor response to radiotherapy: a theoretical evaluation, Int J Radiat Oncol Biol Phys 1989; **17:** 145
Tucker W See **Chui M**
Tuckman G; Wirth CZ: synovial osteochondromatosis of the shoulder: MR findings, JCAT 1989; **13:** 360
Tuddenham WJ See **Balter S**
Tuddenham WJ: acknowledgement, Radiographics 1989; **9:** 1080
Tuddenham WJ: award winning scientific exhibits—1988, Radiographics 1989; **9:** 247
Tuddenham WJ: editor's page, Radiographics 1989; **9:** 1096
Tuddenham WJ: editor's page: amaying we shall go, Radiographics 1989; **9:** 197
Tuddenham WJ: editor's page: on the art of the abstract, Radiographics 1989; **9:** 583
Tuddenham WJ: editor's page: the 74th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Radiographics 1989; **9:** 9
Tuddenham WJ: editor's page: to be and/or not to be, Radiographics 1989; **9:** 379
Tudor J; Whitaker RH: detection and management of the dilated fetal urinary tract, Clin Radiol 1989; **40:** 229
Tuggle JM See **Wiswell TE**
Tuite MJ; Weiss SL: ultrasound and computed tomographic appearance of extramedullary hematopoiesis encasing the renal pelvis, JCU 1991; **19:** 238
Tuli MM See **Don S**
Tulinius H See **Hrafnkelsson J**
Tully RJ; Pickens J; Oro J; et al: hereditary multiple exostoses and cervical cord compression: CT and MR studies, JCAT 1989; **13:** 330
Tůma S See **Konrádová V**
Tumeh AM See **Iskander MF**
Tumeh SS See **Aliabadi P**
Tumeh SS See **Belville JS**
Tumeh SS See **Mettler FA Jr**
Tumeh SS See **Parker JA**
Tumeh SS See **Winalski CS**
Tumeh SS; Benson CB; Richie JP: acute diseases of the scrotum, Semin US CT MR 1991; **12:** 115
Tumeh SS; Nagel JS; English RJ; Moore M; Holman BL: cerebral abnormalities in cocaine abusers: demonstration by SPECT perfusion brain scintigraphy. work in progress, Radiology 1990; **176:** 821
Tummarello D; Guidi F; Torresi U; et al: induction chemo-radiotherapy and maintenance alternating chemotherapy for small cell lung cancer, Acta Oncol 1990; **29:** 417
Tuncel E: ultrasonic features of duodenal ulcer, Gastrointest Radiol 1990; **15:** 207
Tung G See **Mueller PR**
Tung GA; Mueller PR; Brink JA; Saini S; Ferrucci JT: galistone fragmentation with contact electrohydraulic lithotripsy: in vitro study of physical and technical factors, Radiology 1990; **174:** 781
Tung GA; Papanicolaou N: pyocystis with urethral obstruction: percutaneous cystostomy as an alternative to surgery, J Canad Assoc Radiol 1990; **41:** 350
Tung GA; Papanicolaou N; Zukerberg LR; et al: diffuse stenosis of the ileum after ureteroileal interposition: radiologic-pathologic correlation in two cases, AJR 1991; **157:** 315
Tung GA; Pfister RC; Papanicolaou N; Yoder IC: adrenal cysts: imaging and percutaneous aspiration, Radiology 1989; **173:** 107
Tung KT; Chan O: case report: misdiagnosis of an atypical pericardial cyst presenting in a patient with chest trauma, Clin Radiol 1991; **43:** 272
Tung KT; Chan O; Thomas ML: incidence and sites of medial thigh communicating veins: a phlebographic study, Clin Radiol 1990; **41:** 339
Tung KT; MacDonald LM; Smith JC: neonatal systemic candidiasis diagnosed by ultrasound, Acta Radiol 1990; **31:** 293
Tung KT; Wilson GF: case of the month: common symptom: uncommon cause, Br J Radiol 1989; **62:** 1029
Tung Y See **Sham JST**
Tunggal B; Hofmann K; Stoffel W: *in vivo* ^{13}C nuclear magnetic resonance investigations of choline metabolism in rabbit brain, Magn Res Med 1990; **13:** 90
Tungsubutra K: radiotherapy situation in Thailand and South East Asia, Int J Radiat Oncol Biol Phys 1990; **19:** 1271
Tunkel DE; Loury MC; Fox CH; et al: bilateral parotid enlargement in HIV-seropositive patients, (ab), Radiology 1990; **174:** 903
Tuominen J See **Kellokumpu-Lehtinen P**
Tupchong L See **Waterman FM**
Tupchong L; Scott CB; Blitzer PH; et al: randomized study of preoperative versus postoperative radiation therapy in advanced head and neck carcinoma: long-term follow-up of RTOG study 73-03, Int J Radiat Oncol Biol Phys 1991; **20:** 21
Tupler RH; McCuskey WH: Wegener granulomatosis of the colon: CT and histologic correlation, JCAT 1991; **15:** 314
Turcios N See **Bhalla M**
Turell LG See **Valls C**
Turesson I See **Ågren A**
Turesson I See **Sandberg N**
Turesson I: individual variation and dose dependency in the progression rate of skin telangiectasia, Int J Radiat Oncol Biol Phys 1990; **19:** 1569
Turesson I; Sandberg N; Mercke C; et al: primary radiotherapy for glottic laryngeal carcinoma stage I and II: a retrospective study with special regard to failure patterns, Acta Oncol 1991; **30:** 357
Turetsky DB; Alexander AA; Linden SS: pseudogestational sac of ectopic pregnancy simulating intrauterine pregnancy with transvaginal sonography, JCU 1991; **19:** 120
Turetsky DB; Vines FS; Clayman DA: surfer's ear: exostoses of the external auditory canal, AJNR 1990; **11:** 1217
Turetsky DB; Wilf LH: epididymal cyst simulating missed torsion by scrotal scintigraphy, Clin Nucl Med 1990; **15:** 846
Turjman F See **Gindre-Barrucand T**
Tur-Kaspa I See **Confino E**
Turkel D See **Hall FM**
Turnage RH See **Blane CE**
Turnbull AE; Cohen MEL: case report: pelvic actinomycosis with the development and resolution of a recto-sigmoid stricture, Clin Radiol 1991; **43:** 420
Turnbull DH; Wilson SR; Hine AL; et al: ultrasonic characterization of selected renal tissues, Ultrasound Med Biol 1989; **15:** 241
Turnbull JM See **Munro TG**
Turnbull LW; Ridgway JP; Biernacki W; et al: assessment of the right ventricle by magnetic resonance imaging in chronic obstructive lung disease, (ab), Radiology 1991; **178:** 896
Turner AF See **Presant CA**
Turner BS See **Wiswell TE**
Turner CS See **Haller JA Jr**
Turner D See **Levine MS**
Turner DA See **Cormier P**
Turner DA See **Smith SM**
Turner DA: femoral capital osteonecrosis: reply, Radiology 1990; **174:** 282
Turner DA; Rapoport MI; Erwin WD; McGould M; Silvers RI: truncation artifact: a potential pitfall in MR imaging of the menisci of the knee, Radiology 1991; **179:** 629
Turner DA; Templeton AC; Selzer PM; Rosenberg AG; Petasnick JP: femoral capital osteonecrosis: MR finding of diffuse marrow abnormalities without focal lesions, Radiology 1989; **171:** 135
Turner FE See **Brown PH**
Turner FE See **Glowniak JV**
Turner FE See **Krishnamurthy GT**
Turner FE See **Patrick ST**
Turner MA See **LeBolt SA**
Turner MA: diagnostic methods and pitfalls in the gallbladder, Semin Roentgenol 1991; **26:** 197
Turner MJ See **Davis SG**
Turner ML See **Montecalvo RM**
Turner NA See **Suslavich FJ**
Turner R See **Delannoy J**
Turner R See **Feinberg DA**
Turner R See **Le Bihan D**
Turner R See **Stehling MK**
Turner R; Le Bihan D; Chesnick AS: echo-planar imaging of diffusion and perfusion, Magn Res Med 1991; **19:** 247
Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J: echo-planar imaging of intravoxel incoherent motion, Radiology 1990; **177:** 407
Turner R; von Kienlin M; Moonen CTW; et al: single-shot localized echo-planar imaging (STEAM–EPI) at 4.7 Tesla, Magn Res Med 1990; **14:** 401
Turner RM; Peck WW; Prietto C: MR of soft tissue chloroma in a patient presenting with left pubic and hip pain, JCAT 1991; **15:** 700
Turner WM See **Klingensmith WC III**
Turney SZ See **Cowley RA**
Turpie GG See **Ginsberg JS**
Turrentine MW See **Ammar AD**
Turrisi AT III See **Sandler HM**
Turrisi AT III: nonsurgical management of lung cancer: a 1989 perspective for small cell and the non–small cell histologies, Semin Roentgenol 1990; **25:** 117
Turrisi AT III; Glover DJ: thoracic radiotherapy variables: influence on local control in small cell lung cancer limited disease, Int J Radiat Oncol Biol Phys 1990; **19:** 1473
Turski P See **Kornguth S**
Tuters LM See **Ginsberg JS**
Tuthill TA; Baggs RB; Parker KJ: liver glycogen and water storage: effect on ultrasound attenuation, Ultrasound Med Biol 1989; **15:** 621
Tuthill TA; Baggs RB; Violante MR; et al: ultrasound properties of liver with and without particulate contrast agents, Ultrasound Med Biol 1991; **17:** 231
Tuttle RJ See **Markus J**
Tuzcu EM; Golz SJ; Lever HM; et al: left ventricular hypertrophy in persons age 90 years and older, (ab), Radiology 1989; **172:** 885
Tvedt KE See **Nordby A**
Tveit KM; Ottestad L: drug sensitivity testing of human breast cancer, Acta Oncol 1990; **29:** 335
Tweed CS See **Booth AJ**
Tweed CS; Peck RJ: sonographic appearance of testicular lymphoma, Clin Radiol 1991; **43:** 341
Tweed JJ; Davies ML; Faulkner K; et al: patient dose and associated risk due to radiological investigation of the internal auditory meatus, Br J Radiol 1991; **64:** 447
Tweedle MF: nonionic or neutral?, Radiology 1991; **178:** 891
Twentyman PR; Wright KA; Rhodes T: radiation response of human lung cancer cells with inherent and acquired resistance to cisplatin, Int J Radiat Oncol Biol Phys 1991; **20:** 217
Twersky J See **O'Malley BM**
Twickler DM; Setiawan AT; Harrell RS; et al: CT appearance of the pelvis after cesarean section, AJR 1991; **156:** 523
Twieg DB See **Maudsley AA**
Twieg DB: multiple-output chemical shift imaging (MOCSI): a practical technique for rapid spectroscopic imaging, Magn Res Med 1989; **12:** 64
Twieg DB; Meyerhoff DJ; Hubesch B; et al: phosphorus-31 magnetic resonance spectroscopy in humans by spectroscopic imaging: localized spectroscopy and metabolite imaging, Magn Res Med 1989; **12:** 291
Twining P See **McConachie NS**
Twining P; Zuccollo J; Clewes J; et al: fetal choroid plexus cysts: a prospective study and review of the literature, Br J Radiol 1991; **64:** 98
Twomey CK See **Jack CR Jr**
Twomey LT See **McCormick CC**
Tylén U See **Aafedt BC**
Tylén U See **Kheddache S**
Tylén U See **Tidebrant G**
Tylen U: atlas of MR tomography. pt 3, heart and thorax, Radiology 1989; **172:** 466
Tylén U: diagnosis of diseases of the chest. 3rd ed, 2 vols, Radiology 1990; **174:** 710
Tylen U: diagnosis of diseases of the chest. 3rd ed, vol 3, Radiology 1991; **178:** 732
Tylén U: mediastinum: radiologic correlations with anatomy and pathology, Radiology 1990; **175:** 374
Tylén U: radiology of occupational chest disease, Radiology 1990; **176:** 380
Tyler HN See **Rak KM**
Tyler HN Jr See **Hopper KD**
Tynan M; Finley JP; Fontes V; et al: balloon angioplasty for the treatment of native coarctation: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Radiology 1990; **177:** 296
Tyrrel RT; Baumgartner BR; Montemayor KA: blue rubber bleb nevus syndrome: CT diagnosis of intussusception, AJR 1990; **154:** 105
Tyrrel RT; Kaufman SL; Bernardino ME: straight line sign: appearance and significance during CT portography, Radiology 1989; **173:** 635
Tyrrel RT; Montemayor KA; Bernardino ME: CT density of mesenteric, retroperitoneal, and subcutaneous fat in cirrhotic patients: comparison with control subjects, AJR 1990; **155:** 73
Tyrrel RT; Murphy FB; Bernardino ME: tubo-ovarian abscesses: CT-guided percutaneous drainage, Radiology 1990; **175:** 87

Tyrrell MJ See **Treacy EP**
Tyson R See **Kindynis P**
Tysvaer AT See **Sortland O**
Tytgat GNJ See **Hulsmans FJH**
Tytgat GNJ See **Tio TL**
Tzamaloukas AH See **Eisenberg B**
Tzika AA See **Hoener B-a**
Tzika AA See **Thurnher S**
Tzika AA See **Wendland MF**
Tzika AA; Thurnher S; Hricak H; et al: rapid, contrast-enhanced, diuretic magnetic resonance imaging of unilateral partial ureteral obstruction: an experimental study in micropigs, Invest Radiol 1989; **24:** 37
Tzika AA; Vigneron DB; Hricak H; Moseley ME; James TL; Kogan BA: P-31 MR spectroscopy in assessing testicular torsion: rat model, Radiology 1989; **172:** 753

U

Uccelli A See **Tartaglione A**
Uchibori M; Odake G; Ueda S; et al: parapharyngeal meningioma extending from the intracranial space, Neuroradiol 1990; **32:** 53
Uchida BT See **Thurmond AS**
Uchida H See **Iwasaki S**
Uchida H See **Kichikawa K**
Uchida H See **Otsuji H**
Uchida H See **Yoshioka T**
Uchida H; Ohishi H; Matsuo N; et al: transcatheter hepatic segmental arterial embolization using lipiodol mixed with an anticancer drug and Gelfoam particles for hepatocellular carcinoma, Cardiovasc Intervent Radiol 1990; **13:** 140
Uchida M See **Itagaki A**
Uchida T See **Horiuchi R**
Uchimura K See **Sasahira M**
Uchino A See **Onomura K**
Uchino A; Egami H: MR imaging of a hemorrhagic medulloblastoma, Neuroradiol 1989; **31:** 371
Uchino A; Imada H; Ohno M: magnetic resonance imaging of intracranial venous angiomas, Clin Imag 1990; **14:** 309
Uchino A; Imada H; Ohno M: MR imaging of wallerian degeneration in the human brain stem after ictus, Neuroradiol 1990; **32:** 191
Uchino A; Mori T; Ohno M: thickened fatty filum terminale: MR imaging, Neuroradiol 1991; **33:** 331
Uchino A; Ohnari N; Ohno M: MR imaging of intracranial vertebral artery occlusion, Neuroradiol 1989; **31:** 403
Uchino A; Yoshinaga M; Shiokawa O; et al: serial MR imaging in Creutzfeldt-Jakob disease, Neuroradiol 1991; **33:** 364
Uchino H See **Tamada T**
Uchino J See **Namieno T**
Uchiyama G See **Fujimoto H**
Uchiyama K See **Takada T**
Uchiyama M; Hata Y; Tada S: MR imaging of adrenoleukodystrophy, Neuroradiol 1991; **33:** 25
Uchiyama N; Stridbeck H; Stenram U: chemical sclerosis of the gallbladder: an experimental study in pigs of the effect of absolute ethanol and polidocanol on gallbladder epithelium, Acta Radiol 1989; **30:** 427
Uchman S See **Kane RA**
Uckun FM See **Min WS**
Uckun FM; Gillis S; Souza L; et al: effects of recombinant growth factors on radiation survival of human bone marrow progenitor cells, Int J Radiat Oncol Biol Phys 1989; **16:** 415
Uckun FM; Song CW: radiobiological features of human pluripotent bone marrow progenitor cells (CFU-GEMM), Int J Radiat Oncol Biol Phys 1989; **17:** 1021
Uda M; Osborn JL; Lee CKK; et al: pathophysiological changes after local heating of rat liver, Int J Radiat Oncol Biol Phys 1990; **18:** 587
Udaka F See **Sawada H**
Udayachander M; Meenakshi A; Sivanandham M: tumor imaging of Dalton's lymphoma using antibody-desferal-Ga-67 complex, Int J Radiat Oncol Biol Phys 1989; **16:** 731
Udelsman R See **Mojiminiyi OA**
Udén R See **Rudberg U**
Udeshi U See **Mike N**
Udesky RH See **Hatfield MK**
Udjus K See **Dunlap HJ**
Udompanich O See **Singcharoen T**
Udupa JK See **Raya SP**
Udwadia ZF; Pilling JR; Jenkins PF; et al: bronchoscopic and bronchographic findings in 12 patients with sarcoidosis and severe or progressive airways obstruction, (ab), Radiology 1991; **178:** 588
Ueda D: normal volume of the thyroid gland in children, JCU 1990; **18:** 455
Ueda D: sonographic measurement of the pancreas in children, JCU 1989; **17:** 417
Ueda D; Taketazu M; Itoh S; et al: case of gastric duplication cyst with aberrant pancreas, Pediatr Radiol 1991; **21:** 379
Ueda H See **Shirakusa T**
Ueda J; Kobayashi Y; Nishida T: computed tomography evaluation of high-density bile in the gallbladder, Gastrointest Radiol 1990; **15:** 22
Ueda K See **Fukazawa M**
Ueda K See **Nakanishi T**
Ueda M See **Meguro K**
Ueda M See **Tsuzuki T**
Ueda N See **Kataoka M**
Ueda S See **Imahori Y**
Ueda S See **Miyake H**
Ueda S See **Ogawa M**
Ueda S See **Uchibori M**
Uehara T See **Nishimura T**
Uehara T See **Yaoita H**
Ueki K See **Itagaki A**
Uematsu M; Kondo M; Tsutsui T; et al: residual masses on follow-up computed tomography in patients with mediastinal non-Hodgkin's lymphoma, Clin Radiol 1989; **40:** 244
Uemura K See **Takahashi S**
Ueshima Y; Yamai S; Ikehira H; et al: *in vivo* ^{13}C imaging enhanced by polarization transfer, Magn Res Med 1990; **15:** 158
Uetani M See **Ito M**
Uetani M See **Wegryn SA**
Uflacker R; Mourão GS; Piske RL; et al: hemobilia: transcatheter occlusive therapy and long-term follow-up, Cardiovasc Intervent Radiol 1989; **12:** 136
Uflacker R; Mourão GS; Piske RL: lipiodol retention within hepatic cavernous hemangioma, Cardiovasc Intervent Radiol 1989; **12:** 76
Uflacker R; Mourão GS; Piske RL; et al: percutaneous transhepatic biliary drainage: alternatives in left hepatic duct obstruction, Gastrointest Radiol 1989; **14:** 137
Uflacker R; Mourão GS; Piske RL: treating complications of subclavian vein puncture by embolization of the internal mammary artery, Cardiovasc Intervent Radiol 1991; **14:** 115
Ugarte R; Spaedy M; Cass AS: accuracy of ultrasound in diagnosis of rupture after blunt testicular trauma, (ab), Radiology 1991; **178:** 898
Uglietta JP See **Rippe DJ**
Uglietta JP; Boyko OB; Rippe DJ; et al: intracerebral extension of nasal dermoid cyst: CT appearance, JCAT 1989; **13:** 1061
Uglietta JP; Kadir S: arteriographic study of variant arterial anatomy of the upper extremities, Cardiovasc Intervent Radiol 1989; **12:** 145
Uglietta JP; O'Connor CM; Boyko OB; Aldrich H; Massey EW; Heinz ER: CT patterns of intracranial hemorrhage complicating thrombolytic therapy for acute myocardial infarction, Radiology 1991; **181:** 555
Uglietta JP; Woodruff WW; Effmann EL; et al: duplex Doppler ultrasound evaluation of calcified inferior vena cava thrombosis, Pediatr Radiol 1989; **19:** 250
Ugurbil K See **Garwood M**
Uhl V See **Phillips TL**
Uhlenbrock D; Herbe E; Seidel D; et al: one-year MR imaging follow-up of patients with multiple sclerosis under cortisone therapy, Neuroradiol 1989; **31:** 3
Uhlenbrock D; Sehlen S: value of T1-weighted images in the differentiation between MS, white matter lesions, and subcortical arteriosclerotic encephalopathy (SAE), Neuroradiol 1989; **31:** 203
Ujiki GT See **Prystowsky JB**
Ukoli F See **Odita JC**
UK Trial of Early Detection of Breast Cancer Group: first results on mortality reduction in the UK trial of early detection of breast cancer, (ab), Radiology 1989; **171:** 587
Ulbright T See **Moran C**
Ulfendahl HR See **Nygren A**
Ulin RI See **Hermann G**
Ullén H; Mattsson B; Collins VP: long-term survival after malignant glioma: a clinical and histopathological study on the accuracy of the diagnosis in a population-based cancer register, Acta Oncol 1990; **29:** 875
Ullman JM: increasing the usefulness of disposable lead gloves, Radiology 1990; **174:** 581
Ullrich K See **Schmidt H**
Ulm C See **Traxler M**
Ulmer JL; Elster AD: physiologic mechanisms underlying the delayed delta sign, AJNR 1991; **12:** 647
Ulrich W See **Mostbeck GH**
Ulstad V See **Engeler CM**
Umali CB See **Waite RJ**
Umansky R See **Kjos BO**
Umeda M See **Kato T**
Umehara I; Shibuya H; Nakagawa T; et al: comprehensive analysis of perfusion scintigraphy in Takayasu's arteritis, Clin Nucl Med 1991; **16:** 352
Umek H See **Lammer J**
Umezawa T; Saji T; Matsuo N; et al: chest x-ray findings in the acute phase of Kawasaki disease, Pediatr Radiol 1989; **20:** 48
Umlas S-L; Cronan JJ: CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Radiology 1991; **180:** 310
Umlas S-L; Cronan JJ: splenic trauma: can CT grading systems enable prediction of successful nonsurgical treatment?, Radiology 1991; **178:** 481
Umlas S-L; Jaramillo D: massive adenopathy in oropharyngeal tularemia; C.T. demonstration, Pediatr Radiol 1990; **20:** 483
Underberg-Davis S; Levine MS: giant thoracic osteophyte causing esophageal food impaction, AJR 1991; **157:** 319
Underskog I See **Odelberg-Johnson O**
Underwood R See **Mohiaddin RH**
Underwood R See **Rees S**
Underwood RS See **Mohiaddin RH**
Underwood SR See **Kilner PJ**
Underwood SR See **Pennell DJ**
Unger C; Damenz W; Fleer EAM; et al: hexadecylphosphocholine, a new ether lipid analogue: studies on the antineoplastic activity in vitro and in vivo, Acta Oncol 1989; **28:** 213
Unger E; Cardenas D; Zerella A; et al: biodistribution and clearance of liposomal gadolinium-DTPA, Invest Radiol 1990; **25:** 638
Unger EC See **Carmody RF**
Unger EC See **Tilcock CP**
Unger EC; Tilcock CP; Ahkong QF; et al: paramagnetic liposomes as magnetic resonance contrast agents, Invest Radiol 1990; **25:** S65
Unger EC; Winokur T; MacDougall P; Rosenblum J; Clair M; Gatenby RA; Tilcock CP: hepatic metastases: liposomal Gd-DTPA-enhanced MR imaging, Radiology 1989; **171:** 81
Unger ER See **Randleman CD**
Unger JM See **Gurney JW**
Unger JM: atlas of slices of the temporal bone and adjacent region, Radiology 1990; **174:** 692
Unger JM: clinical imaging of the cerebello-pontine angle, Radiology 1989; **170:** 456
Unger JM: clinical radiology of the breast, Radiology 1991; **179:** 702
Unger JM: computed tomography of the temporal bone and orbit: technique of direct multiplanar, high-resolution CT and correlative cryosectional anatomy, Radiology 1989; **170:** 170
Unger JM: diagnosis and management of orbital tumors, Radiology 1989; **173:** 600
Unger JM: head and neck imaging, Radiology 1991; **178:** 314
Unger JM: larynx: radiology, surgery, pathology, Radiology 1991; **180:** 176
Unger JM: radiology of facial injury. 2d ed, Radiology 1989; **171:** 104
Unger JM: videofluoroscopic studies of speech in patients with cleft palate, Radiology 1990; **177:** 712
Unger JM; England DM; Bogust GA: interstitial emphysema in adults: recognition and prognostic implications, J Thorac Imag 1989; **4-1:** 86
Unger JM; Gentry LR; Grossman JE: sphenoid fractures: prevalence, sites, and significance, Radiology 1990; **175:** 175
Unger JM; Schuchmann GG; Grossman JE; et al: tears of the trachea and main bronchi caused by blunt trauma: radiologic findings, AJR 1989; **153:** 1175
Unger MJ See **Abdel-Nabi HH**
Ungersböck K See **Suess E**
Ungersböck K See **Trattnig S**
Unni KK See **Young CL**
Unni KK; Dahlin DC: osteosarcoma: pathology and classification, Semin Roentgenol 1989; **24:** 143
Unni M See **Kumar S**
Unni MN See **Rao VRK**
Uno K See **Okada J**
Uno Y See **Matsumura K**
Unoura M See **Matsui O**
Unruh H See **Ali I**
Unsgaard G See **Helseth A**
Unterberg C See **Werner GS**
Unuma T See **Shiina S**
Unwin DH See **Purdy PD**
Upadhyay SS; Ho EKW; Hau LCS: positioning for plain spinal radiography producing paraplegia in a patient with ankylosing spondylitis, Br J Radiol 1991; **64:** 549
Urano M See **Abe Y**
Urano M See **Okunieff P**
Urano M; Kenton LA; Kahn J: effect of hyperthermia on the early- and late-appearing mouse foot reactions and on radiation carcinogenesis: part II. effect on radiation carcinogenesis (thermal enhancement and oxygen enhancement), Int J Radiat Oncol Biol Phys 1989; **16:** 437

Urbain JL; Penninckx F; Siegel JA; et al: effect of proximal vagotomy and roux-en-Y diversion on gastric emptying kinetics in asymptomatic patients, Clin Nucl Med 1990; **15:** 688
Urbain JLC; Vantrappen G; Janssens J; et al: intravenous erythromycin dramatically accelerates gastric emptying in gastroparesis diabeticorum and normals and abolishes the emptying discrimination between solids and liquids, J Nucl Med 1990; **31:** 1490
Urban BA; Fishman EK; Hruban RH: *Helicobacter pylori* gastritis mimicking gastric carcinoma at CT evaluation, Radiology 1991; **179:** 689
Urban BA; Jones B; Fishman EK; Kern SE; Ravich WJ: gastric antral vascular ectasia ("watermelon stomach"): radiologic findings, Radiology 1991; **178:** 517
Urban M See **Hruby W**
Urbanski S See **Abbitt PL**
Urbon J; Murthy AK; Taylor SG IV; et al: retrospective analysis of hyperthermia for use in the palliative treatment of cancer: a multi-modality evaluation, Int J Radiat Oncol Biol Phys 1990; **18:** 155
Uren RF; Howman-Giles R: 'cold hip' sign on bone scan: a retrospective review, Clin Nucl Med 1991; **16:** 553
Urgancioglu I See **Sayman HB**
Urgancioğlu I; Kapicioğlu T; Vardareli E; et al: observation of hepatobiliary systems in joined twins by Tc-99m EHIDA, Clin Nucl Med 1990; **15:** 273
Urhahn R; Günther RW: fast personal computer based retrieval system for a high-volume database of a radiology information system, Br J Radiol 1991; **64:** 461
Uribarri J; Oh MS; Carroll HJ: first kidney stone, (ab), Radiology 1990; **175:** 883
Urie M See **Langer M**
Urie MM See **Brown AP**
Urie MM See **Tatsuzaki H**
Urie MM; Goltein M; Doppke K; et al: role of uncertainty analysis in treatment planning, Int J Radiat Oncol Biol Phys 1991; **21:** 91
Urmacher C See **Botet JF**
Urman M; O'Sullivan RA; Nugent RA; et al: intracranial extramedullary hematopoiesis: CT and bone marrow scan findings, Clin Nucl Med 1991; **16:** 431
Urman SM; Talbot JM: otic capsule dysplasia: clinical and CT findings, Radiographics 1990; **10:** 823
Urness M See **Hedlund LJ**
Urness M See **Leach KR**
Urness M See **Repa I**
Urness M See **Yedlicka JW Jr**
Urschel HC Jr; Razzuk MA; Netto GJ; et al: sclerosing mediastinitis: improved management with histoplasmosis titer and ketoconazole, (ab), Radiology 1991; **180:** 293
Urtasun RC See **Coleman CN**
Urushibara K See **Miyamoto Y**
Usenius T; Vornanen M; Kärjä J; et al: extranodal head and neck non-Hodgkin's lymphomas in children in Finland, Acta Oncol 1990; **29:** 529
Usher C See **Plane JH**
Ushigome S See **Iemoto Y**
Ushio K See **Brandt D**
Ushio Y See **Sakamoto Y**
Utaaker E See **Lundgren S**
Utsumi S See **Hiramatsu K**
Utsunomiya M See **Toyoda K**
Utz JA See **Jelinek JS**
Utz JA; Kransdorf MJ; Jelinek JS; et al: MR appearance of fibrous dysplasia, JCAT 1989; **13:** 845
Uvebrant P See **Wiklund L-M**
Uyama C See **Sugahara T**
Uyama T; Monden Y; Harada K; et al: case of intralobar pulmonary sequestration with calcification and elevated serum values of carcinoembryonic antigen and carbohydrate antigen 19-9, J Thorac Imag 1989; **4-4:** 74
Uzuka Y; Saito Y: bestatin treatment of myelodysplastic syndromes (MDS) and the effects of bestatin on hematopoiesis in MDS, Acta Oncol 1990; **29:** 803

V

Vaamonde CA; Bier RT; Papendick R; et al: acute and chronic renal effects of radiocontrast in diabetic rats: role of anesthesia and risk factors, Invest Radiol 1989; **24:** 206
Väätäinen U; Pirinen A; Mäkelä A: radiological evaluation of the acromioclavicular joint, Skeletal Radiol 1991; **20:** 115
Vaccaro JP; Cronan JJ; Dorfman GS: outcome analysis of patients with normal compression US examinations, Radiology 1990; **175:** 645
Vaccaro JP; Dorfman GS; Lambiase RE: treatment of biliary leaks and fistulae by simultaneous percutaneous drainage and diversion, Cardiovasc Intervent Radiol 1991; **14:** 109
Vaccher E See **Tirelli U**
Vachon L See **Genes DM**
Vachon LA See **Barnes PF**
Vade A; Eissenstat R: radiographic features of bone lengthening procedures, Radiology 1990; **174:** 531
Vade A; Kramer L: extralobar pulmonary sequestration presenting as intractable pleural effusion, Pediatr Radiol 1989; **19:** 333
Vade A; Nolan J: posterior mediastinal teratoma involving the esophagus, Gastrointest Radiol 1989; **14:** 106
Vade A; Reyes H; Wilbur A; et al: anorectal sphincter after rectal pull-through surgery for anorectal anomalies: MRI evaluation, Pediatr Radiol 1989; **19:** 179
Vade A; Wilbur A; Pudlowski R; et al: case report 566, Skeletal Radiol 1989; **18:** 475
Vadrot D See **Buy J-N**
Vadrot D See **Ghossain MA**
Vaesen F See **Carlier PG**
Vagner-Capodano AM; Hairion D; Gambarelli D; et al: new approach of brain tumors: the cytogenetic study, J Neuroradiol 1991; **18:** 107
Vagnucci AH See **Rao RH**
Vahanian A; Michel PL; Cormier B; et al: results of percutaneous mitral commissurotomy in 200 patients, (ab), Radiology 1989; **173:** 885
Vaheri A See **Maasilta P**
Vahey T See **Kearney PA**
Vahey TN; Bennett HT; Arrington LE; et al: MR imaging of the knee: pseudotear of the lateral meniscus caused by the meniscofemoral ligament, AJR 1990; **154:** 1237
Vahey TN; Broome DR; Kayes KJ; Shelbourne KD: acute and chronic tears of the anterior cruciate ligament: differential features at MR imaging, Radiology 1991; **181:** 251
Vahjen G See **Chen CC**
Vahn DK See **Brown RKJ**
Vaid YN; Lebowitz RL: urosepsis in infants with vesicoureteral reflux masquerading as the salt-losing type of congenital adrenal hyperplasia, Pediatr Radiol 1989; **19:** 548
Vainio A: practising physicians' experiences of treating patients with cancer pain, Acta Oncol 1989; **28:** 177
Vainwright JR Jr See **Mirvis SE**
Vaksmann G; Jardin M; Mauran P; et al: peripheral cerebral arteriovenous malformation in an infant: assessment by transcranial color flow mapping, JCU 1990; **18:** 215
Valabhji P See **Reed DH**
Valagussa P See **Bonadonna G**
Valaitis J See **Gonzalez JEG**
Valantine HA; Hunt SA; Fowler MB; et al: frequency of familial nature of dilated cardiomyopathy and usefulness of cardiac transplantation in this subset, (ab), Radiology 1990; **174:** 587
Valassi F See **Lazzarino LG**
Valavaara RA See **Nurmi MJ**
Valberg LS See **Adams PC**
Valcourt S See **El-Khatib EE**
Valdagni R See **Kaplan ID**
Valenti L See **Ciatto S**
Valentine AR See **Llewelyn JG**
Valentine ES See **Rosenow UF**
Valentine RJ; MacGillivray DC; DeNobile JW; et al: intermittent claudication caused by atherosclerosis in patients aged forty years and younger, (ab), JVIR 1990; **1:** 136
Valentini V See **Cellini N**
Valenzuela GA See **Stubbs JB**
Valette HB; Bourguignon MH; Merlet P; et al: improved detection of anterior left ventricular aneurysm with multiharmonic Fourier analysis, J Nucl Med 1990; **31:** 1303
Valette PJ See **Mathieu D**
Valeyre D See **Grenier P**
Valgimigli F See **Tortoli P**
Valji K; Bookstein JJ; Roberts AC; Davis GB: pharmacomechanical thrombolysis and angioplasty in the management of clotted hemodialysis grafts: early and late clinical results, Radiology 1991; **178:** 243
Valji K; Roberts AC; Davis GB; et al: pulsed-spray thrombolysis of arterial and bypass graft occlusions, AJR 1991; **156:** 617
Valk J See **Algra PR**
Valk J See **Barkhof F**
Valk J See **Castelijns JA**
Valk J See **van den Brekel MWM**
Valk J See **van der Knaap MS**
Valk PE; Dillon WP: radiation injury of the brain, AJNR 1991; **12:** 45
Valk PE; Dillon WP: radiation injury of the brain, AJR 1991; **156:** 689
Valk PE; Jaguat WJ; Derenzo SE; Huesman RH; Geyer AB; Budinger TF: clinical evaluation of a high-resolution (2.6-mm) positron emission tomograph, Radiology 1990; **176:** 783
Valkema R; Verheij LF; Blokland JAK; et al: limited precision of lumbar spine dual-photon absorptiometry by variations in the soft-tissue background, J Nucl Med 1990; **31:** 1774
Vallabhajosula S See **Fineman DS**
Vallabhajosula S See **Machac J**
Vallabhajosula S; Goldsmith SJ: ^{99m}Tc-low density lipoprotein: intracellularly trapped radiotracer for noninvasive imaging of low density lipoprotein metabolism in vivo, Semin Nucl Med 1990; **20:** 68
Vallabhajosula S; Zimmerman RE; Picard M; et al: technetium-99m ECD: a new brain imaging agent: in vivo kinetics and biodistribution studies in normal human subjects, J Nucl Med 1989; **30:** 599
Vallbracht C; Liermann DD; Prignitz I; Beinborn W; Roth FJ; Kollath J; Landgraf H; Kaltenbach M: low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Radiology 1989; **172:** 327
Valle G See **Singh A**
Vallée C See **Rousselin B**
Vallet P See **Muller RN**
Valls C; Cañas C; Turell LG; et al: hepatosplenic AIDS-related Kaposi's sarcoma, Gastrointest Radiol 1991; **16:** 342
Valone F See **Karczmar GS**
Valone FH See **Gandara DR**
Valvassori GE See **Mafee MF**
Valvassori L See **Garbagnati F**
Valvo JR See **Spital A**
vanAnkeren SC; Milas L; Murray D: protection of cultured Chinese hamster ovary cells by the aminothiol WR-255591 from the lethal and DNA-damaging effects of fast neutrons, Int J Radiat Oncol Biol Phys 1989; **16:** 1205
VanArsdalen KN See **Banner MP**
Vanarthos W See **Tehranzadeh J**
van Battum LJ; Huizenga H: film dosimetry of clinical electron beams, Int J Radiat Oncol Biol Phys 1990; **18:** 69
van Beekum WT See **Thijssen JM**
Van Beers BE See **Trigaux J-PP**
Van Beers BE; Demeure R; Pringot J; et al: dynamic spin-echo imaging with Gd-DTPA: value in the differentiation of hepatic tumors, AJR 1990; **154:** 515
Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G: hepatobiliary fascioliasis: noninvasive imaging findings, Radiology 1990; **174:** 809
Van Beers BE; Pringot J; Gigot J-F; et al: nontumorous attenuation differences on computed tomographic portography, Gastrointest Radiol 1990; **15:** 107
Van Beers BE; Roche A; Cauquil P; et al: transcatheter arterial chemotherapy using doxorubicin, iodized oil and Gelfoam embolization in hepatocellular carcinoma, Acta Radiol 1989; **30:** 415
Van Beers BE; Trigaux J-PP; De Ronde T; et al: CT findings of perforated duodenal diverticulitis, JCAT 1989; **13:** 528
van Beers BE; Trigaux J-PP; Weynants P; et al: foregut cyst of the mediastinum: fluid re-accumulation after transbronchial needle aspiration, Br J Radiol 1989; **62:** 558
Van Bel F; van de Bor M; Stijnen T; et al: cerebral blood flow velocity changes in preterm infants after a single dose of indomethacin: duration of its effect, (ab), Radiology 1990; **175:** 887
Van Bel F; Van Zoeren D; Schipper J; et al: effect of indomethacin on superior mesenteric artery blood flow velocity in preterm infants, (ab), Radiology 1991; **180:** 592
Van Bel F; Van Zwieten PHT; Den Ouden LL: contribution of color Doppler flow imaging to the evaluation of the effect of indomethacin on neonatal cerebral hemodynamics, J Ultrasound Med 1990; **9:** 107
Van Bel F; Van Zwieten PHT; Guit GL; Schipper J: superior mesenteric artery blood flow velocity and estimated volume flow: duplex Doppler US study of preterm and term neonates, Radiology 1990; **174:** 165
van Bemmelen PS; Bedford G; Strandness DE: visualization of calf veins by color flow imaging, Ultrasound Med Biol 1990; **16:** 15
van Beresteijn ECH See **Raymakers JA**
van Berge Henegouwen GP See **Stolk MFJ**
van Blankenstein M See **Laméris JS**
Van Blarcom ST; Czarnecki DJ; Fueredi GA; et al: does dysbaric osteonecrosis progress in the absence of further hyperbaric exposure? a 10-year radiologic follow-up of 15 patients, AJR 1990; **155:** 95
van Bodegom PC; Wagenaar SS; Corrin B; et al: second primary lung cancer: importance of long term follow-up, (ab), Radiology 1990; **176:** 588
Van Bogaert P See **Rodesch G**
van Breda A See **Dolmatch BL**

van Breda A See Hunter DW
van Breda A See Spies JB
van Breda A See Teitelbaum GP
van Breda A See Walker HS
van Breda A: invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, JVIR 1991; **2:** 357
van Breda A: laser angioplasty, Radiol Clin North Am 1989; **27:** 1217
van Breda A: leave the glazing for the donuts: reply, JVIR 1990; **1:** 133
van Breda A; Graor RA; Katzen BT; Risius B; Gillings D: relative cost-effectiveness of urokinase versus streptokinase in the treatment of peripheral vascular disease, JVIR 1991; **2:** 77
Van Brocklin HF See Dehdashti F
VanBrocklin HF See Liu A
Van Bruggen N See Doran M
Van Bruggen N See Gill SS
van Bruggen N See King MD
Van Bruggen N; Syha J; Busza AL; et al: identification of tumor hemorrhage in an animal model using spin echoes and gradient echoes, Magn Res Med 1990; **15:** 121
van Bunningen B See González DG
van Dam FJ; Camps JA; Woldring VM; et al: radionuclide angiography with technetium-99m in vivo labeled erythrocytes does not lead to induction of mutations in the HPRT gene of human T-lymphocytes, J Nucl Med 1991; **32:** 814
van Dam I; Delemarre B; Hopman J; et al: influence of heart rate and age on diastolic blood flow velocity in the left ventricular inflow tract, JCU 1989; **17:** 339
Van Dam J; Basilico FC; Nesto RW: echocardiography in acute myocarditis associated with left ventricular thrombus formation and systemic embolization, J Ultrasound Med 1990; **9:** 599
van Damme B See van Lerberghe E
Vandeberg J See Bookstein JJ
van de Bor M See Guit GL
van de Bor M See Van Bel F
van de Bor M; Walther FJ; Sims ME: acceleration time in cerebral arteries of preterm and term infants, JCU 1990; **18:** 167
van de Bor M; Walther FJ; Sims ME: increased cerebral blood flow velocity in infants of mothers who abuse cocaine, (ab), Radiology 1990; **177:** 599
Vandecruys A See Hashimoto Y
van de Kley AJ See Reekers JA
van Delden OM See Tio TL
van Delft JL See Romijn RL
Vandeman FN See Quinn KL
Vandeman FN; Meilstrup JW; Nealey PA: acoustic prism causing sonographic duplication artifact in the upper abdomen, Invest Radiol 1990; **25:** 658
Vandemark RM: radiology of the cervical spine in trauma patients: practice pitfalls and recommendations for improving efficiency and communication, AJR 1990; **155:** 465
van de Merwe SA; van den Berg AP; van der Zee J; et al: measurement of tumor pH during microwave induced experimental and clinical hyperthermia with a fiber optic pH measurement system, Int J Radiat Oncol Biol Phys 1990; **18:** 51
van den Aardweg GJMJ; Hopewell JW; Barnes DWH; et al: modification on the radiation response of pig skin by manipulation of tissue oxygen tension using anesthetics and administration of BW12C, Int J Radiat Oncol Biol Phys 1989; **16:** 1191
Van den Abbeele AD See Janicek MJ
Van den Abbeele AD; Aaronson RA; Daher S; et al: antigen-binding site protection during radiolabeling leads to a higher immunoreactive fraction, J Nucl Med 1991; **32:** 116
van den Berg AP See van de Merwe SA
Vandenberg BF See Scholz TD
van den Berg JWO See van Tilburg AJP
van den Berg PM See van Rhoon GC
Van den Bogaert W See Hulshof M
Van den Bogaert W See Van der Schueren E
van den Brand M See de Feyter PJ
van den Brekel MWM; Castelijns JA; Stel HV; et al: detection and characterization of metastatic cervical adenopathy by MR imaging: comparison of different MR techniques, JCAT 1990; **14:** 581
van den Brekel MWM; Castelijns JA; Stel HV; Luth WJ; Valk J; van der Waal I; Snow GB: occult metastatic neck disease: detection with US and US-guided fine-needle aspiration cytology, Radiology 1991; **180:** 457
van den Brekel MWM; Stel HV; Castelijns JA; Nauta JJP; van der Waal I; Valk J; Meyer CJLM; Snow GB: cervical lymph node metastasis: assessment of radiologic criteria, Radiology 1990; **177:** 379
Van den Broeck M See De Schepper J
Vandenbroucke WVA See Oomen A
Van den Hout JHW; Bakker CJG; Mali WPTM; et al: magnetic resonance imaging of the cerebral aqueduct: signal intensity time curves demonstrated by fast acquisition with multiple excitation (FAME), Invest Radiol 1989; **24:** 855
Vandenplas O; Dive A; Dooms G; et al: magnetic resonance evaluation of severe neurological disorders in eclampsia, Neuroradiol 1990; **32:** 47
Vandeputte M See de Ruysscher D
van der Burg MEL See Neijt JP
Vanderbyl SL See Durand RE
Vander Griend RA See Slone RM
Vander Griend RA See Spanier SS
Vandergrift JF See Angtuaco TL
van der Grond J See van der Knaap MS
van der Grond J; Laven JSE; te Velde ER; Mali WPTM: abnormal testicular function: potential of P-31 MR spectroscopy in diagnosis, Radiology 1991; **179:** 433
van der Grond J; Seijkens D; Mali WPTM: *in vitro* ^{31}P NMR spectroscopy of the reproductive organs of the male rat: an improved preparation method, Magn Res Med 1990; **15:** 462
van der Harten HJ; Brons JTJ; Schipper NW; et al: prenatal development of the normal human skeleton: a combined ultrasonographic and post-mortem radiographic study, Pediatr Radiol 1990; **21:** 52
van der Heul RO See Bloem JL
van der Heul RO See Schütte HE
van der Horst JJ See van Rooij WJJ
van der Knaap MS See de Rijk-van Andel JF
van der Knaap MS; Valk J: MR imaging of the various stages of normal myelination during the first year of life, Neuroradiol 1990; **31:** 459
van der Knaap MS; Valk J: MR of adrenoleukodystrophy: histopathologic correlations, AJNR 1989; **10:** 512
van der Knaap MS; Valk J: MR spectrum of peroxisomal disorders, Neuroradiol 1991; **33:** 30
van der Knaap MS; Valk J: reflection of histology in MR imaging of Pelizaeus-Merzbacher disease, AJNR 1989; **10:** 99
van der Knaap MS; van der Grond J; van Rijen PC; Faber JAJ; Valk J; Willemse K: age-dependent changes in localized proton and phosphorus MR spectroscopy of the brain, Radiology 1990; **176:** 509
van der Kogel AJ See Menten J
VanDerKolk HL: small, deep pelvic abscesses: definition and drainage guided with an endovaginal probe, Radiology 1991; **181:** 283
van der Laan RT; Verbeeten B Jr; Smits NJ; et al: computed tomography in the diagnosis and treatment of solitary splenic abscesses, JCAT 1989; **13:** 71
van der Laarse A See van Dijkman PRM
Vander Lander Vries MA See Ginsberg JS
Vandermarck P See Barkovich AJ
van der Meer SB; Forget PP; Arends JW; et al: diagnostic value of ultrasound in children with recurrent abdominal pain, Pediatr Radiol 1990; **20:** 501
van der Mey AGL See van Gils APG
Van der Plaetsen A See Thierens H
Van der Schueren E; Van den Bogaert W; Vanuytsel L; et al: radiotherapy by multiple fractions per day (MFD) in head and neck cancer: acute reactions of skin and mucosa, Int J Radiat Oncol Biol Phys 1990; **19:** 301
Van der Spek P See Baekelandt M
van der Sprenkel JWB See van Rijen PC
Vandertop WP; Elderson A; van Gijn J; et al: anterior spinal artery syndrome, AJNR 1991; **12:** 505
Van der Veen AH; Dees J; Blankensteijn JD; et al: adenocarcinoma in Barrett's oesophagus: an overrated risk, (ab), Radiology 1989; **172:** 882
Van der Veken P See De Geeter F
Van der Vis-Melsen M See De Nef JJEM
van der Voorde F See Smeets AJ
van der Voorde F See van Overhagen H
van der Waal I See van den Brekel MWM
van der Wal LF See de Kroon MGM
Van der Wall EE See Barendswaard EC
van der Wall EE See de Roos A
van der Wall EE See Krauss XH
van der Wall EE See Matheijssen NAA
van der Wall EE See van Dijkman PRM
Van der Wall H See Monaghan P
Van der Wall H See Murray IPC
Van der Wall H; Elison BS; Murray IPC: splenic imaging with heat-damaged Tc-99m labeled erythrocytes in lymphoma, Clin Nucl Med 1990; **15:** 275
van der Wall H; Murray IPC: visualization of megacystis on bone scan, Clin Nucl Med 1991; **16:** 369
van der Walt JD See Wilson P
van der Werf-Messing BHP; van Putten WLJ: carcinoma of the urinary bladder category $T_{2,3}N_xM_0$ treated by 40 Gy external irradiation followed by cesium^{137} implant at reduced dose (50%), Int J Radiat Oncol Biol Phys 1989; **16:** 369
van der Zee J See van de Merwe SA
Van De Velde E See Govaert P
van Dijk R; Hitge-Boetes C; Debruyne FMJ; et al: sonographic detection of a nonpalpable regressed germ-cell tumor in an atrophic testis, JCU 1989; **17:** 594
van Dijkman PRM See de Roos A
van Dijkman PRM; van der Wall EE; de Roos A; Matheijssen NAA; van Rossum AC; Doornbos J; van der Laarse A; van Voorthuisen AE; Bruschke AVG: acute, subacute, and chronic myocardial infarction: quantitative analysis of gadolinium-enhanced MR images, Radiology 1991; **180:** 147
Vandiviere HM See Woodring JH
van Dongen A See Zanin DEA
van Dongen JA: early breast cancer: a review, Acta Oncol 1989; **28:** 123
Vandormael MG See Deligonul U
Van Dort ME See Rosenspire KC
Vandresse J-H See Alexiou J
van Duk JE See de Graaf AA
VanDyke C See Ross JS
VanDyke C; Ross JS; Tkach J; et al: gradient-echo MR imaging of the cervical spine: evaluation of extradural disease, AJNR 1989; **10:** 627
Vane DW See Rescorla FJ
vanEchteld CJA See Ouwerkerk R
Van Eenige MJ See Van Rossum AC
Vanel D See Martinez-Madrigal F
Vanel D See Ollivier L
Vanel D See Rousselin B
van Engelshoven J See Goei R
van Erkel AR See van Gils APG
Van Erp JS See Quint LE
van Erpecum KJ See Stolk MFJ
van Erven L See Oomen A
Van Ess JD See Rubin P
Van Every N: gastrointestinal tract as an immunologic organ: state of the art, Radiology 1989; **171:** 670
Van Every N: mechanisms and prevention of arterial injuries caused by balloon embolectomy, Radiology 1990; **174:** 746
Van Fraeyenhoven L See Marchal G
Van Fraeyenhoven L See Wilms G
Van Gansbeke D; Matos C; Gelin M; et al: percutaneous drainage of subphrenic abscesses, Br J Radiol 1989; **62:** 127
van Gasteren JJM See Schwachöfer JHM
van Gelderen WFC See Heyns CF
van Genderingen HR; Sprenger M; Willem de Ridder J; van Rossum AC: carbon-fiber electrodes and leads for electrocardiography during MR imaging, Radiology 1989; **171:** 872
van Gerwen PHJ See Luyten PR
van Gijn J See Kappelle LJ
van Gijn J See Vandertop WP
van Gils APG; Falke THM; van Erkel AR; Arndt J-W; Sandler MP; van der Mey AGL; Hoogma RPLM: MR imaging and MIBG scintigraphy of pheochromocytomas and extraadrenal functioning paragangliomas, Radiographics 1991; **11:** 37
van Gils APG; Tjon A Tham RTO; Falke THM; et al: abnormalities of the uterus and cervix after diethylstilbestrol exposure: correlation of findings on MR and hysterosalpingography, AJR 1989; **153:** 1235
van Gils APG; van der Mey AGL; Hoogma RPLM; et al: iodine-123-metaiodobenzylguanidine scintigraphy in patients with chemodectomas of the head and neck region, J Nucl Med 1990; **31:** 1147
Van Ginckel R See Distelmans W
Vangness CT See Kjellin I
van Gool JD See Stoutenbeek P
van Haastert M See den Hartog Jager FCA
Vanhaesebrouck P See Govaert P
Van Hasselt A See Smith JRG
Van Haverbeke Y See Fischer HW
Van Hecke P See Demaerel P
Van Hecke P See Marchal G
Van Hecke P See Wilms G
Van Hecke P; Marchal G; Johannik K; et al: human brain proton localized NMR spectroscopy in multiple sclerosis, Magn Res Med 1991; **18:** 199
Van Hecke PE; Marchal GJ; Decrop E; et al: experimental study of the pharmacokinetics and dose response of ferrite particles used as a contrast agent in MRI of the normal liver of the rabbit, Invest Radiol 1989; **24:** 397
Vanhecke W; Merckx E; De Roo M; et al: soft tissue uptake on Tc-99m MDP bone scan after cardioversion, Clin Nucl Med 1989; **14:** 923
Van Hee RHGG See Van Schil PEY
van Heerden J See Grant CS
van Heerden JA See Thompson GB
Van Heertum L See Masdeu JC
Van Heertum RL See Notardonato H
Van Heertum RL See Yudd AP
Van Heertum RL; O'Connell RA: functional brain imaging in the evaluation of psychiatric illness, Semin Nucl Med 1991; **21:** 24

van Heesewijk JPM See **Chung MEW**
van Helvoort-van Dommelen CAM See **Hendrikx AJM**
Vanherck W See **Distelmans W**
van Herk M See **Meertens H**
van Heuzen EP; Kaiser MC; de Slegte RGM: neurocutaneous melanosis associated with intraspinal lipoma, Neuroradiol 1989; **31:** 349
van Holsbeeck M See **Coral A**
van Holsbeeck M See **van Lerberghe E**
van Holsbeeck M; Martel W; Dequeker J; et al: soft tissue involvement, mediastinal pseudotumor, and venous thrombosis in pustulotic arthro-osteitis: a study of eight new cases, Skeletal Radiol 1989; **18:** 1
van Holsbeeck MT See **Gielen JL**
Van Horn DD See **Teitelbaum GP**
Van Horn JR See **Capanna R**
van Horn JR See **Oyen WJG**
van Houtte P See **Schaake-Koning C**
van Kaick G See **Semmler W**
van Kaick G See **Strauss LG**
van Krieken JHJM; Otter R; Hermans H; et al: malignant lymphoma of the gastrointestinal tract and mesentery: a clinico-pathologic study of the significance of histologic classification, (ab), Radiology 1990; **174:** 898
van Kroonenburgh MJPG See **Breedveld FC**
van Kroonenburgh MJPG See **Haan J**
van Kroonenburgh MJPG See **Ten Kate CI**
van Kuijk C: vertebral bone density in children: effect of puberty, Radiology 1989; **170:** 895
Van Kuijk C; Grashuis JL; Steenbeek JCM; et al: evaluation of postprocessing dual-energy methods in quantitative computed tomography: part 1. theoretical considerations, Invest Radiol 1990; **25:** 876
Van Kuijk C; Grashuis JL; Steenbeek JCM; et al: evaluation of postprocessing dual-energy methods in quantitative computed tomography: part 2. practical aspects, Invest Radiol 1990; **25:** 882
Van Lancker M; Storme G: prediction of severe late complications in fractionated, high dose-rate brachytherapy in gynecological applications, Int J Radiat Oncol Biol Phys 1991; **20:** 1125
Van Leeuwen MS See **Feldberg MA**
van Leeuwen MS See **Scholten FG**
van Lerberghe E; van Damme B; van Holsbeeck M; et al: case report 626, Skeletal Radiol 1990; **19:** 594
Van Limbergen E; Briot E; Drijkoningen M: source-skin distance measuring bridge: a method to avoid radiation teleangiectasia in the skin after interstitial therapy for breast cancer, Int J Radiat Oncol Biol Phys 1990; **18:** 1239
Van Lom KJ See **Brown JJ**
van Loosen J See **Allegrini PR**
Van Maele G See **Verbaeys A**
Van Maele L See **De Geeter F**
van Maldergem L; Gillerot Y; Salmin E; et al: lethal short-rib with median cleft and without polydactyly: a fourth case, Pediatr Radiol 1990; **20:** 367
Van Marter LJ; Leviton A; Kuban KCK; et al: maternal glucocorticoid therapy and reduced risk of bronchopulmonary dysplasia, (ab), Radiology 1991; **178:** 900
Van Metter RL See **Chotas HG**
van Mierlo MJM See **Treurniet-Donker AD**
van Nagell JR Jr; Higgins RV; Donaldson ES; et al: transvaginal sonography as a screening method for ovarian cancer: a report of the first 1,000 cases screened, (ab), Radiology 1990; **176:** 591
van Nesselrooij JHJ; Szeverenyi NM; Ruocco MJ: magnetic resonance imaging of estrogen-induced pituitary hypertrophy in rats, Magn Res Med 1989; **11:** 161
Vanneste F See **Vynckier S**
Vanneste L See **Verlooy H**
Vannier MW See **Fishman EK**
Vannier MW See **Hoffmeister JW**
Vannier MW See **Laschinger JC**
Vannier MW See **Mirowitz SA**
Vannier MW See **Pilgram TK**
Vannier MW; Brunsden BS; Hildebolt CF; Falk D; Cheverud JM; Figiel GS; Perman WH; Kohn LA; Robb RA; Yoffie RL; Bresina SJ: brain surface cortical sulcal lengths: quantification with three-dimensional MR imaging, Radiology 1991; **180:** 479
Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH: craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Radiology 1989; **173:** 669
Vannier MW; Pilgram TK; Speidel CM; et al: validation of magnetic resonance imaging (MRI) multispectral tissue classification, Comput Med Imag Graph 1991; **15:** 217
Vannier MW; Rickman D: multispectral and color-aided displays, Invest Radiol 1989; **24:** 88
Van Nostrand D See **Fortenbery EJ**
Van Nostrand D See **Norby EH**
Van Nostrand D See **Oswald SG**
Van Nueten JC See **Mulkens TH**
Vañó E See **Calzado A**
Vañó E See **Guibelalde E**
Vañó E; González L; Calzado A; et al: some indicative parameters on diagnostic radiology in Spain: first dose estimations, Br J Radiol 1989; **62:** 20
van Oostayen JA See **Schipper J**
van Overhagen H; Laméris JS; Berger MY; van der Voorde F; Tilanus HW; Klooswijk AIJ; Zonderland HM; van Pel R: supraclavicular lymph node metastases in carcinoma of the esophagus and gastroesophageal junction: assessment with CT, US, and US-guided fine-needle aspiration biopsy, Radiology 1991; **179:** 155
Van Pachterbeke T See **Denays R**
van Pel R See **van Overhagen H**
Van Poppel H; Baert L: percutaneous operative gastrostomy for gastric decompression in major urological surgery, (ab), JVIR 1991; **2:** 417
van Putten WLJ See **Hoekstra CJM**
van Putten WLJ See **Meerwaldt JH**
van Putten WLJ See **Smit WGJM**
van Putten WLJ See **Treurniet-Donker AD**
van Putten WLJ See **van der Werf-Messing BHP**
van Rhoon GC; Sowinski MJ; van den Berg PM; et al: ring capacitor applicator in hyperthermia: energy distributions in a fat-muscle layered model for different ring electrode configurations, Int J Radiat Oncol Biol Phys 1990; **18:** 77
van Rijen PC See **van der Knaap MS**
van Rijen PC; Luyten PR; van der Sprenkel JWB; et al: ^{1}H and ^{31}P NMR measurement of cerebral lactate, high-energy phosphate levels, and pH in humans during voluntary hyperventilation: associated EEG, capnographic, and Doppler findings, Magn Res Med 1989; **10:** 182
van Romunde LKJ See **Shaw PC**
van Rongen E; Kuijpers WC; Madhuizen HT: fractionation effects and repair kinetics in rat kidney, Int J Radiat Oncol Biol Phys 1990; **18:** 1093
van Rooij WJJ; van der Horst JJ; Stuifbergen WNHM; et al: extreme diffuse adenomatous hyperplasia of Brunner's glands: case report, Gastrointest Radiol 1990; **15:** 285
van Roosemalen RP See **Reijnen JAM**
van Rossum AC See **de Roos A**
van Rossum AC See **van Dijkman PRM**
van Rossum AC See **van Genderingen HR**
Van Rossum AC; Visser FC; Van Eenige MJ; et al: value of gadolinium-diethylene-triamine pentaacetic acid dynamics in magnetic resonance imaging of acute myocardial infarction with occluded and reperfused coronary arteries after thrombolysis, (ab), Radiology 1990; **177:** 597
van Royen EA See **Limburg M**
Vansant JP See **Park JH**
Vansant JP; Habibian RM; Melton RE: effect of varying tourniquet applications on the flow pattern of lower extremity radionuclide venography, Clin Nucl Med 1990; **15:** 783
van Schaik C See **Castelijns JA**
van Schaik JPJ See **Spijkerboer AM**
Van Schil PEY; Van Hee RHGG; Schoofs ELG: value of mediastinoscopy in preoperative staging of bronchogenic carcinoma, (ab), Radiology 1989; **173:** 591
Van Scoy RE See **Brown LR**
Van Sinoy M-L See **Avni EF**
Van Sinoy ML See **Gevenois PA**
vanSonnenberg E See **D'Agostino HB**
vanSonnenberg E See **Gardner D**
vanSonnenberg E See **Ken JG**
vanSonnenberg E See **Macaulay SE**
vanSonnenberg E See **Neff CC**
vanSonnenberg E: radiologically guided drainage of thoracic fluid collections, (ab), Radiology 1991; **178:** 897
vanSonnenberg E; Casola G; Varney RR; et al: imaging and interventional radiology for pancreatitis and its complications, Radiol Clin North Am 1989; **27:** 65
vanSonnenberg E; Casola G; Varney RR; Zakko SF; Wittich GR; Cox J; Hofmann AF: interventional radiology in the gallbladder, Radiographics 1989; **9:** 39
vanSonnenberg E; Casola G; Wittich GR; et al: role of interventional radiology for complications of cholecystectomy, (ab), JVIR 1990; **1:** 140
vanSonnenberg E; Casola G; Wittich GR; et al: role of interventional radiology for complications of cholecystectomy, (ab), Radiology 1990; **177:** 890
vanSonnenberg E; D'Agostino HB; Casola G: interventional gallbladder procedures, Radiol Clin North Am 1990; **28:** 1185
vanSonnenberg E; D'Agostino HB; Casola G; Goodacre BW; Sanchez RB; Taylor B: US-guided transvaginal drainage of pelvic abscesses and fluid collections, Radiology 1991; **181:** 53
vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW: percutaneous abscess drainage: current concepts, Radiology 1991; **181:** 617
vanSonnenberg E; D'Agostino HB; Casola G; Hoyt DB; Lurie A; Varney RR: gallbladder perforation and bile leakage: percutaneous treatment, Radiology 1991; **178:** 687
vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR: benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, Radiology 1990; **176:** 15
vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Ainge GD: interventional radiology in the gallbladder: diagnosis, drainage, dissolution, and management of stones, Radiology 1990; **174:** 1
vanSonnenberg E; D'Agostino HB; Casola G; Wittich GR; Varney RR; Harker C: lung abscess: CT-guided drainage, Radiology 1991; **178:** 347
vanSonnenberg E; D'Agostino HB; Hofmann AF; et al: percutaneous dissolution of gallstones, Semin Roentgenol 1991; **26:** 251
vanSonnenberg E; Varney RR; Casola G; Macaulay S; Wittich GR; Polansky AM; Schechter M: percutaneous cecostomy for Ogilvie syndrome: laboratory observations and clinical experience, Radiology 1990; **175:** 679
vanSonnenberg E; Wittich GR; Casola G; Brannigan TC; Karnel F; Stabile BE; Varney RR; Christensen RR: percutaneous drainage of infected and noninfected pancreatic pseudocysts: experience in 101 cases, Radiology 1989; **170:** 757
Vansteenberge R See **Baekelandt M**
Van Steenbergen W See **Demaerel P**
Van Steenbergen W See **Marchal G**
Van Steenbergen W; Ponette E: pancreaticoportal fistula: a rare complication of chronic pancreatitis, Gastrointest Radiol 1990; **15:** 299
Van Steenbergen W; Ponette E; Marchal G; et al: distal common bile duct stenosis secondary to benign duodenal ulceration: report of a case, Gastrointest Radiol 1990; **15:** 215
Van Stiegmann G See **Durham JD**
VanTassel JW See **Waller BF**
Van Tassel P See **De Pena CA**
Van Tassel P See **Lee Y-Y**
Van Tassel P; Lee Y-Y: Gd-DTPA enhanced MR for detecting intracranial extension of sinonasal malignancies, JCAT 1991; **15:** 387
Van Tassel P; Lee Y-Y; Ayala A; et al: case report 680, Skeletal Radiol 1991; **20:** 383
Van Tassel P; Lee Y-Y; Jing B-S; et al: mucoceles of the paranasal sinuses: MR imaging with CT correlation, AJNR 1989; **10:** 607
Vanthournout I See **Sirinelli D**
Vanthournout I; Quinet B; Neuenschwander S: pediatric yaws osteoperiostitis, Pediatr Radiol 1991; **21:** 303
van Tilburg AJP; de Rooij FWM; van den Berg JWO; et al: selenium-75-homocholic acid taurine test reevaluated: combined measurement of fecal selenium-75 activity and 3α-hydroxy bile acids in 211 patients, J Nucl Med 1991; **32:** 1219
van Tinteren H See **McVie JG**
Van Train K See **Berman DS**
Van Train K See **Friedman J**
Van Train KF; Maddahi J; Berman DS; et al: quantitative analysis of tomographic stress thallium-201 myocardial scintigrams: a multicenter trial, J Nucl Med 1990; **31:** 1168
Vantrappen G See **Rutgeerts P**
Vantrappen G See **Urbain JLC**
van Tyen R See **Saloner D**
Vanuytsel L See **Hulshof M**
Vanuytsel L See **Van der Schueren E**
Vanuytsel L; Brada M: role of prophylactic spinal irradiation in localized intracranial ependymoma, Int J Radiat Oncol Biol Phys 1991; **21:** 825
van Vaals JJ; Bergman AH; den Boef JH; et al: ACE: a single-shot method for water-suppressed localization and editing of spectra, images, and spectroscopic images, Magn Res Med 1991; **19:** 136
van Velzen D See **Allegrini PR**
Van Voorhis BJ See **Stomper PC**
van Voorthuisen AE See **de Roos A**
van Voorthuisen AE See **van Dijkman PRM**
Van Vyve M See **Parizel PM**
van Waes PFGM See **Krabbe JK**
van Waes PFGM; Feldberg MAM; Barth P: comparison of Telebrix Gastro and Gastrografin in abdominal computed tomography, Eur J Radiol 1989; **9:** 179
Van Wagoner M; O'Toole M; Quay SC: nonionic magnetic resonance imaging contrast agents: clinical trial experience of safety, tolerance, and efficacy of gadodiamide injection, Invest Radiol 1990; **25:** 539
Vanwambeke K See **Ardies P**

van Weeren FH See **Janssen AGM**
Van Woert JH; Thompson RC; Cangemi JR; et al: streptokinase therapy for extensive venous thromboses in a patient with severe ulcerative colitis, (ab), JVIR 1990; **1:** 137
VanZandt TF See **Belton RL**
VanZandt TF See **Rubens DJ**
VanZandt TF See **Spitzer RM**
VanZandt TF; Tersegno MM: general case of the day, annual meeting, 1988, Radiographics 1989; **9:** 355
Van Zanten TEG; Stratius Van Eps LW; Golding RP; et al: imaging the bone marrow with magnetic resonance during a crisis and in chronic forms of sickle cell disease, Clin Radiol 1989; **40:** 486
van Zijl PCM See **Alger JR**
van Zijl PCM See **Le Bihan D**
van Zijl PCM See **Moonen CTW**
Van Zijl PCM See **Place DA**
van Zijl PCM; Ligeti L; Sinnwell T; et al: measurement of cerebral blood flow by volume-selective ^{19}F NMR spectroscopy, Magn Res Med 1990; **16:** 489
van Zijl PCM; Moonen CTW; Alger JR; et al: high field localized proton spectroscopy in small volumes: greatly improved localization and shimming using shielded strong gradients, Magn Res Med 1989; **10:** 256
Van Zoeren D See **Van Bel F**
Vanzulli A See **DelMaschio A**
Van Zwieten PHT See **Van Bel F**
Vaquer RA See **Dunn EK**
Vaquer RA; Dunn EK; Bhat S; et al: reversible pulmonary uptake and hypertrophic pulmonary osteoarthropathic distribution of technetium-99m methylene diphosphonate in a case of *Pneumocystis carinii* pneumonia, J Nucl Med 1989; **30:** 1563
Varache N See **Bouachour G**
Vardareli E See **Urgancioğlu I**
Vardi Y See **Pery M**
Vardi Y; Moskovitz B; Levin DR; et al: stone formation in substitution cystoplasty, Urol Radiol 1991; **12:** 194
Varenhorst E; Pedersen KV; Carlsson P; et al: screening for carcinoma of the prostate in a randomly selected population using duplicate digital rectal examination, Acta Oncol 1991; **30:** 273
Varga DC See **Weadock KS**
Varghese CV; Jose CC; Singh AD: two patients with primary non-Hodgkinson's lymphoma of the brain, Australas Radiol 1991; **35:** 184
Varia MA See **Maddux HR**
Varma AA See **Sokoloff L**
Varma DGK See **Cho J-S**
Varma DGK See **Choi H**
Varma DGK; Holmes JW: Ga-67 scintigraphy of isochiorectal fossa horseshoe abscess, Clin Nucl Med 1989; **14:** 538
Varma DGK; Moulopoulos A; Sara AS; et al: case report 682, Skeletal Radiol 1991; **20:** 391
Varma DGK; Richli WR; Charnsangavej C; et al: MR appearance of the distended iliopsoas bursa, AJR 1991; **156:** 1025
Varma DGK; Schoenberger SG; Kumra A; et al: Osler-Weber-Rendu disease: MR findings in the liver, JCAT 1989; **13:** 134
Varma DGK; Thorneycroft IH; Degefu S; et al: magnetic resonance imaging of adult ovarian granulosa cell tumor: case report, Clin Imag 1990; **14:** 55
Varma N See **Padley S**
Varma VA See **Alexander JA**
Varnell RM See **Liddell RM**
Varnell RM; Flint PW; Dalley RW; Maravilla KR; Cummings CW; Shuman WP: myocutaneous flap failure: early detection with Gd-DTPA–enhanced MR imaging, Radiology 1989; **173:** 755
Varnell RM; Godwin JD; Richardson ML; Vincent JM: adult respiratory distress syndrome from overdose of tricyclic antidepressants, Radiology 1989; **170:** 667
Varner MW See **Hurst B**
Varner MW; Hurst B: clinical assessment of fetal well-being, Semin US CT MR 1989; **10:** 367
Varnes ME See **Biaglow JE**
Varnes ME; Menegay HJ; McKenna DS: inhibition of recovery from potentially lethal radiation damage in A549 cells by the K^+/H^+ ionophore nigericin, Int J Radiat Oncol Biol Phys 1991; **20:** 281
Varney RR See **vanSonnenberg E**
Varpula M: hysterosalpingography with a balloon catheter versus a cannula: evaluation of patient pain, Radiology 1989; **172:** 745
Varpula M; Mäkinen J; Kiilholma P: cough urethrocystography: the best radiological evaluation of female stress urinary incontinence?, Eur J Radiol 1989; **9:** 191
Vas W See **Chenoweth J**
Vas W See **Singer J**
Vas W; Malpani AR; Singer J; et al: computed tomographic evaluation of paraesophageal hernia, Gastrointest Radiol 1989; **14:** 291
Vas WG See **Baran GA**
Vas WG; Patel B; Mahanta B; et al: innocuous gas collections in pancreatic allografts demonstrated by computed tomography, Gastrointest Radiol 1989; **14:** 118
Vasallo P See **Erlemann R**
Vasavada PJ See **Fernandez-Ulloa M**
Vasdev A See **Crouzet G**
Vasdev A; David P; Villemot D; et al: apparently primary malignant melanoma of the cerebellopontine angle: one case, J Neuroradiol 1990; **17:** 152
Vasen HFA; Lamers CBHW; Lips CJM: screening for the multiple endocrine neoplasia syndrome type I: a study of 11 kindreds in the Netherlands, (ab), Radiology 1990; **175:** 888
Vasey FB See **Espinoza LR**
Vasila MS See **Chandnani VP**
Vasile N See **Dao TH**
Vasile N See **Mathieu D**
Vasinrapee P; Linden K; Cook RE: multiseptate gallbladder demonstrated on Tc-99m hepatobiliary imaging, Clin Nucl Med 1990; **15:** 272
Vassallo P See **Eising EG**
Vassallo P See **Erlemann R**
Vassallo P See **Wernecke K**
Vassallo P; Krings W; Reiser MF; et al: postprandial epigastric discomfort in a young adult male, Invest Radiol 1990; **25:** 1061
Vassallo P; Reiser MF; Strobel M; et al: popliteal pseudoaneurysm and arteriovenous shunt following arthroscopic meniscectomy: case report, Cardiovasc Intervent Radiol 1989; **12:** 142
Vassiliades VG; Bernardino ME: percutaneous renal and adrenal biopsies, Cardiovasc Intervent Radiol 1991; **14:** 50
Vassiliades VG; Foley WD; Alarcon J; et al: hepatic metastases: CT versus MR imaging at 1.5T, Gastrointest Radiol 1991; **16:** 159
Vatne K See **Levorstad K**
Vatne K; Pedersen HK; Laake B; et al: percutaneous transluminal coronary angioplasty: six years experience, Acta Radiol 1989; **30:** 475
Vaughan B: magnetic resonance imaging: physics and technical aspects, Australas Radiol 1989; **33:** 34
Vaughan BF: CT of swollen legs, Clin Radiol 1990; **41:** 24
Vaughan ED Jr See **Mellinger BC**
Vaughan JT See **Babcock EE**
Vaughan JT See **Fleckenstein JL**
Vaughn L See **Garcia A**
Vaupel P See **Kallinowski F**
Vaupel P See **Okunieff P**
Vavrek R See **Turner R**
Vazeux R See **Trotot PM**
Vazquez MF See **Mitnick JS**
Vazquez R; Oates E; Sarno RC; et al: incidental discovery of a large duplication cyst during Meckel's scintigraphy, Clin Nucl Med 1989; **14:** 537
vd Linde M See **Kengen RAM**
Veale D; Gilmartin JJ; Sumerling MD; et al: prospective evaluation of fine needle aspiration in the diagnosis of lung cancer, (ab), Radiology 1989; **171:** 882
Vedal S See **Kinsella M**
Vedal S See **Miller RR**
Vedal S See **Zwirewich CV**
Veerapen RJ See **Fan CJ**
Veeze-Kuijpers B See **Levendag PC**
Veeze-Kuijpers B; Meerwaldt JH; Laméris JS; et al: role of radiotherapy in the treatment of bile duct carcinoma, Int J Radiat Oncol Biol Phys 1990; **18:** 63
Vega A See **Palestro CJ**
Vegesna V; Withers HR: efficacy of I.V. or I.P. injected cytotoxic drugs on proliferating and non-proliferating hair follicles of the mouse, Int J Radiat Oncol Biol Phys 1991; **20:** 997
Vegesna V; Withers HR; Taylor JMG: differential response of rapidly- and slowly-proliferating hair follicles of mice to fractionated irradiation, Int J Radiat Oncol Biol Phys 1989; **17:** 1027
Vegni C See **Ferrazzi E**
Veith FJ See **Bakal CW**
Veith FJ See **Dietzek AM**
Veith FJ See **Sprayregen S**
Veith FJ; Gupta SK; Wengerter KR; et al: changing arteriosclerotic disease patterns and management strategies in lower-limb-threatening ischemia, (ab), Radiology 1991; **179:** 294
Veith FJ; Gupta SK; Wengerter KR; Farrell E: short vein grafts in limb-saving arterial reconstructions, JVIR 1990; **1:** 57
Vela BS; Dorin RI; Hartshorne MF: case report 631, Skeletal Radiol 1990; **19:** 468
Velasco ME See **Zeiss J**
Velazquez M; Haller J; Amundsen T; et al: regional lung water measurements with PET: accuracy, reproducibility, and linearity, J Nucl Med 1991; **32:** 719
Velcek FT See **Shatzkes DR**
Velcek FT See **Torrisi JM**
Velchik MG See **Berman C**
Velchik MG See **Eisenberg B**
Velchik MG See **Mason MD**
Velchik MG See **St. George JK**
Velchik MG See **Wegener WA**
Velchik MG: acute gangrenous cholecystitis due to metastatic melanoma detected by cholescintigraphy, Clin Nucl Med 1989; **14:** 327
Velchik MG; Alavi A; Kressel HY; et al: localization of pheochromocytoma: MIGB, CT, and MRI correlation, J Nucl Med 1989; **30:** 328
Velchik MG; Kramer FM; Stunkard AJ; et al: effect of the Garren-Edwards gastric bubble on gastric emptying, J Nucl Med 1989; **30:** 692
Velchik MG; Reynolds JC; Alavi A: effect of meal energy content on gastric emptying, J Nucl Med 1989; **30:** 1106
Velchik MG; Roth GM; Wegener W; et al: bronchobiliary fistula detected by cholescintigraphy, J Nucl Med 1991; **32:** 136
Velchik MG; Wegener W: osteogenic sarcoma with pulmonary metastasis visualized by bone imaging, Clin Nucl Med 1990; **14:** 662
Velez MA See **Brandon JC**
Vellet AD See **Bach DB**
Vellet AD See **Munk PL**
Vellet AD: characterization of intrahepatic space-occupying lesions by magnetic resonance imaging, J Canad Assoc Radiol 1991; **42:** 165
Vellet AD: characterization of pancreatic adenocarcinoma by magnetic resonance imaging, J Canad Assoc Radiol 1991; **42:** 180
Vellet AD; Marks PH; Fowler PJ; Munro TG: occult posttraumatic osteochondral lesions of the knee: prevalence, classification, and short-term sequelae evaluated with MR imaging, Radiology 1991; **178:** 271
Vellet DA See **Rankin RN**
Veluvolu P; Daniels DL; Collier BD; et al: scintigraphic demonstration of a soft tissue cavernous hemangioma with Valsalva maneuver, Clin Nucl Med 1990; **15:** 865
Venbrux AC See **Dachman AH**
Venbrux AC See **Savader SJ**
Venbrux AC See **Widlus DM**
Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr: endoscopy as an adjuvant to biliary radiologic intervention, Radiology 1991; **180:** 355
Vencken LM See **Begeer JH**
Vencken LM See **Prins TR**
Venes JL See **Brunberg JA**
Veneziano S; Pavlica P; Viglietta G; et al: US-guided prostatic biopsy in 63 cases, Eur J Radiol 1989; **9:** 64
Venger BH; Aldama AE: mycotic vasculitis with repeated intracranial aneurysmal hemorrhage, (ab), Radiology 1989; **172:** 588
Venkatasubramanian PN See **Bárány M**
Vennes JA See **Coleman CC**
Venook AP; Stagg RJ; Lewis BJ; et al: chemoembolization for hepatocellular carcinoma, (ab), JVIR 1990; **1:** 140
Venta ER See **Venta LA**
Venta LA; Venta ER; Mumford LM: value of diagnostic tests for deep venous thrombosis: a decision analysis model, Radiology 1990; **174:** 433
Venters RA See **Hoffman DW**
Ventura J See **Morris TW**
Venuta F See **Pescarmona E**
Venuta F See **Rendina EA**
Venuta F See **Ricci C**
Vera DR See **Kudo M**
Vera DR; Stadalnik RC; Trudeau WL; et al: measurement of receptor concentration and forward-binding rate constant via radiopharmacokinetic modeling of technetium-99m-galactosyl-neoglycoalbumin, J Nucl Med 1991; **32:** 1169
Vera DR; Woodle ES; Stadalnik RC: kinetic sensitivity of a receptor-binding radiopharmaceutical: technetium-99m galactosyl-neoglycoalbumin, J Nucl Med 1989; **30:** 1519
Vera J; Lucaya J; Garcia Conesa JA; et al: idiopathic infantile arterial calcification: unusual features, Pediatr Radiol 1990; **20:** 585
Verani MS See **Pellikka PA**
Verani MS: pharmacological stress with adenosine for myocardial perfusion imaging, Semin Nucl Med 1991; **21:** 266
Verani MS; Sanders WE Jr; Noon GP: functional assessment of the total artificial heart by blood-pool radionuclide angiography, J Nucl Med 1989; **30:** 1405
Verani RR See **Goodman P**
Verbaeys A; Van Maele G; De Sy W; et al: absence of functional renal effects of uro-angiographic contrast media on post-ischemic rat kidneys, Acta Radiol 1991; **32:** 325
Verbanck JJ; Lambrecht S; Rutgeerts LJ; et al: can sonography diagnose acute colonic diverticulitis in patients with acute intestinal inflammation? a prospective study, JCU 1989; **17:** 661

Verbeek ALM See **Peeters PHM**
Verbeek AM See **Thijssen JM**
Verbeeten B See **Eijpe AA**
Verbeeten B Jr See **van der Laan RT**
Verbeken E See **Deneffe G**
Verbeken E See **Marchal G**
Verbeken E See **Verschakelen JA**
Verber IG; Strudley MR; Meller ST: ^{99m}Tc dimercaptosuccinic acid (DMSA) scan as first investigation of urinary tract infection, (ab), Radiology 1989; **172:** 296
Verboom LJ See **Algra PR**
Verboven M; Ingels M; Delree M; et al: ^{99m}Tc-DMSA scintigraphy in acute urinary tract infection in children, Pediatr Radiol 1990; **20:** 540
Verbruggen A See **Mortelmans L**
Verdaasdonk RM; Holstege FCP; Jansen ED; et al: in vitro comparison of radiofrequency-heated and laser-heated metal probes for angioplasty, Invest Radiol 1990; **25:** 686
Verdegem TD See **Barnes PF**
Verdru P See **Demaerel P**
Vered Z See **Barzilai B**
Vereycken HA See **Mulkens TH**
Verger E See **Conill C**
Vergesslich KA See **Kainberger FM**
Vergesslich KA See **Mostbeck GH**
Vergesslich KA: atlas und lehrbuch der schultersonographie (atlas and textbook of sonography of the shoulder), Radiology 1989; **170:** 120
Vergesslich KA; Götz M; Mostbeck GH; et al: portal venous blood flow in cystic fibrosis: assessment by duplex Doppler sonography, Pediatr Radiol 1989; **19:** 371
Vergesslich KA; Weninger M; Ponhold W; et al: cerebral blood flow in newborn infants with and without mechanical ventilation, Pediatr Radiol 1989; **19:** 509
Vergnes L See **Martin M**
Verhaeghe RH See **Wilms GE**
Verheij LF See **Valkema R**
Verheul HA; Moulijin AC; Hondema S; et al: late results of 200 repeat coronary artery bypass operations, (ab), Radiology 1991; **180:** 886
Verhey LJ See **Munzenrider JE**
Verhoeven-Mester D See **Hashimoto Y**
Verlooy H; Dequeker J; Geusens P; et al: body composition by intercomparison of underwater weighing, skinfold measurements and dual-photon absorptiometry, Br J Radiol 1991; **64:** 765
Verlooy H; De Roo M; Mortelmans L; et al: common bone features in osteomalacia, secondary hyperparathyroidism, and renal osteodystrophy, Clin Nucl Med 1991; **16:** 372
Verlooy H; Marien K; Vanneste L; et al: Ga-67 uptake in granulomatous slack skin, Clin Nucl Med 1991; **16:** 131
Verma BS; Bose AK; Bhatia HC; et al: superior mesenteric artery branch aneurysm diagnosed by ultrasound, Br J Radiol 1991; **64:** 169
Verma RC; Ngo C; Yaghmai I: patterns of gallium uptake in amebic liver abscesses, Clin Nucl Med 1989; **14:** 523
Vermesh M See **Bergman A**
Vermeulen JWAH See **Luyten PR**
Vermund H; Boysen M; Brandenburg JH; et al: primary irradiation, surgery or combined therapy in squamous cell carcinoma of the larynx: a comparison of treatment results from two centers, Acta Oncol 1990; **29:** 489
Vermylen JG See **Wilms GE**
Vernekar JA; Mishra GK; Pinto RGW; et al: antenatal ultrasonic diagnosis of Meckel Gruber syndrome (a case report with review of literature), Australas Radiol 1991; **35:** 186
Veronesi U; Salvadori B; Luini A; et al: conservative treatment of early breast cancer: long-term results of 1232 cases treated with quadrantectomy, axillary dissection, and radiotherapy, (ab), Radiology 1990; **177:** 292
Verreault J See **Barette R**
Verreault J See **Leclerc Y**
Verrier ED See **Flynn AE**
Verschakelen JA See **Ikezoe J**
Verschakelen JA; Demaerel P; Coolen J; et al: rounded atelectasis of the lung: MR appearance, AJR 1989; **152:** 965
Verschakelen JA; Marchal G; Verbeken E; et al: sonographic appearance of the diaphragm: a cadaver study, JCU 1989; **17:** 222
Verstandig A See **Bloom RA**
Verstandig A; Bar-Ziv J; Abu-Dalu KI; et al: sarcoma botryoides of the common bile duct: preoperative diagnosis of coronal CT and PTC, Pediatr Radiol 1991; **21:** 152
Verstandig AG; Klin B; Bloom RA; Hadas I; Libson E: small bowel phytobezoars: detection with radiography, Radiology 1989; **172:** 705
Verstraete KLA; Martens F; Smeets P; et al: traumatic lumbosacral nerve root meningoceles: the value of myelography, CT and MRI in the assessment of nerve root continuity, Neuroradiol 1989; **31:** 425
Verwey H See **Doornbos J**
Veselik K See **Pietras RJ**
Veseth-Rogers J See **Goodman LR**
Vessella RL See **Wessels BW**
Vester E See **Henrich MM**
Vestergaard A See **Thomsen HS**
Vestergaard B See **Gjørup T**
Vestlev PM; Pedersen H: doxorubicin and 5-fluorouracil versus doxorubicin and oral ftorafur in the treatment of advanced gastric cancer—a phase II and III trial, Acta Oncol 1990; **29:** 945
Vetrani A See **Iaccarino V**
Vetrovs H See **Little JB**
Vettori C See **Livraghi T**
Vevea JM See **Rosen BR**
Vexler V See **Berthezene Y**
Veyrac C; Couture A; Baud C: pericerebral fluid collections and ultrasound, Pediatr Radiol 1990; **20:** 236
Vezina JL; Fontaine S; Laperrière J: outpatient myelography with fine-needle technique: an appraisal, AJNR 1989; **10:** 615
Vezina JL; Tampieri D: general case of the day, Radiographics 1990; **10:** 364
Vezina LG See **Gean-Marton AD**
Viamonte M; Martinez LO; Hanson G; et al: World Health Organization—basic radiographic system (WHO–BRS) unit: experimental clinical evaluation, Clin Radiol 1990; **41:** 321
Vicente J; Salvador J; Chéchile G: spiral urethral prosthesis as an alternative to surgery in high risk patients with benign prostatic hyperplasia: prospective study, (ab), Radiology 1990; **176:** 591
Vicente de Vera P See **Torrents C**
Vichi GF; Salti R; Galluzzi F; et al: spondylo-epiphyso-metaphyseal dysplasia: an atypical variant, Pediatr Radiol 1990; **21:** 78
Vicini F See **Lingos TI**
Vicini FA See **Abner AL**
Vick CW; Bell SA: rotator cuff tears: diagnosis with sonography, AJR 1990; **154:** 121
Vick GW III See **Mulvagh SL**
Vickar DB See **Fung HMY**
Vickers CR See **Manns RA**
Vickers MA See **Benson CB**
Vickers MA Jr See **Benson CB**
Vickers MA Jr; Benson CB; Richie JP: high resolution ultrasonography and pulsed wave Doppler for detection of corporovenous incompetence in erectile dysfunction, (ab), Radiology 1991; **178:** 293
Victor M: MR in the diagnosis of Wernicke-Korsakoff syndrome, AJR 1990; **155:** 1315
Victor MF See **Karalis DG**
Vidaur F See **Oliet A**
Vidic B See **Schellinger D**
Vidt DG: diagnostic dilemma: a clinician's viewpoint, Semin Nucl Med 1989; **19:** 75
Vieco PT; Azouz EM; Hoeffel J-C: metastases to bone in medulloblastoma: a report of five cases, Skeletal Radiol 1989; **18:** 445
Vieco PT; Rochon L; Lisbona A: multifocal cytomegalovirus-associated hepatic lesions simulating metastases in AIDS, Radiology 1990; **176:** 123
Vieco PT; Stern J; Herschorn S: patent processus vaginalis, Clin Nucl Med 1990; **15:** 263
Vieli A See **Maier SE**
Vieli A; Moser U; Maier S; et al: velocity profiles in the normal human abdominal aorta: a comparison between ultrasound and magnetic resonance data, Ultrasound Med Biol 1989; **15:** 113
Vierhout PA See **Rijke AM**
Viggars D See **Hahn P**
Viggars D See **Shalev S**
Vigil D See **Kushnir O**
Viglietta G See **Veneziano S**
Vignault F; Filiatrault D; Brandt ML; Garel L; Grignon A; Ouimet A: acute appendicitis in children: evaluation with US, Radiology 1990; **176:** 501
Vigneron DB See **Jeneson JAL**
Vigneron DB See **Narayan P**
Vigneron DB See **Tzika AA**
Vigneron DB; Hricak H; James TL; et al: androgen sensitivity of rat prostate carcinoma studied by ^{31}P NMR spectroscopy, ^{1}H MR imaging, and ^{23}Na MR imaging, Magn Res Med 1989; **11:** 152
Vigneron DB; Nelson SJ; Murphy-Boesch J; Kelley DAC; Kessler HB; Brown TR; Taylor JS: chemical shift imaging of human brain: axial, sagittal, and coronal P-31 metabolite images, Radiology 1990; **177:** 643
Vigo M See **Corbetti F**
Viikinkoski P See **Brander A**
Vijayakumar S See **Borger F**
Vijayakumar S See **Low NN**
Vijayakumar S See **Muller-Runkel R**
Vijayakumar S See **Ng TC**
Vijayakumar S See **Weichselbaum RR**
Vijayakumar S; Myrianthopoulos LC; Rosenberg I; et al: optimization of radical radiotherapy with beam's eye view techniques for non-small cell lung cancer, Int J Radiat Oncol Biol Phys 1991; **21:** 779
Vijayakumar S; Ng TC; Raudkivi U; et al: mean inactivation dose (D): a critical analysis of a neglected parameter in radiotherapy, Acta Oncol 1990; **29:** 65
Vijayakumar V; Bekerman C; Blend MJ: preoperative prediction of extent and severity of ischemic colitis by imaging with In-111 labeled leukocytes, Clin Nucl Med 1991; **16:** 98
Vijayan P See **Narasimham DL**
Vijayaraghavan M See **Padhy AK**
Vijayaraghavan SB: fat pad vs. anterior subphrenic abscess: a new real-time sign, JCU 1989; **17:** 653
Vijayaraghavan SB: sonographic features of pneumatosis of the small bowel, JCU 1990, **18:** 579
Vik-Mo H See **Nordrehaug JE**
Vikram B See **Levendag PC**
Vilana R See **Ayuso JR**
Vilana R See **Perich J**
Vilar J See **Martí-Bonmatí L**
Vilar JS; Martí-Bonmatí L; Poyatos CR; Ferrer R: general case of the day, Radiographics 1991; **11:** 333
Vilaro MM; Kurtz AB; Needleman L; et al: hand-held and automated sonomammography: clinical role relative to x-ray mammography, J Ultrasound Med 1989; **8:** 95
Vilgrain V See **Arrivé L**
Vilgrain V; Lebrec D; Menu Y; et al: comparison between ultrasonographic signs and the degree of portal hypertension in patients with cirrhosis, Gastrointest Radiol 1990; **15:** 218
Vilgrain V; Mompoint D; Palazzo L; et al: staging of esophageal carcinoma: comparison of results with endoscopic sonography and CT, AJR 1990; **155:** 277
Villafana T: AAPM tutorial: generators, x-ray tubes, and exposure geometry in mammography, Radiographics 1990; **10:** 539
Villalba MR; Howells GA; Lucas RJ; et al: nonoperative management of the adult ruptured spleen, (ab), Radiology 1991; **178:** 290
Villani MA; Krugman RL; Agress H Jr: incidental visualization of abdominal varices during cholescintigraphy, Clin Nucl Med 1991; **16:** 53
Villanueva T See **Roeren T**
Villanueva-Meyer J See **Sullivan T**
Villanueva-Meyer J; Mena I; Narahara KA: simultaneous assessment of left ventricular wall motion and myocardial perfusion with technetium-99m-methoxy isobutyl isonitrile at stress and rest in patients with angina: comparison with thallium-201 SPECT, J Nucl Med 1990; **31:** 457
Villanueva-Meyer J; Thompson D; Mena I; et al: lacrimal gland dosimetry for the brain imaging agent technetium-99m-HMPAO, J Nucl Med 1990; **31:** 1237
Villapando E See **Barnhart J**
Villar R See **Abad J**
Villari N See **Biti GP**
Villaveiran RG See **Gotta C**
Villemagne VL; Dannals RF; Sánchez-Roa PM; et al: imaging histamine H1 receptors in the living human brain with carbon-11-pyrilamine, J Nucl Med 1991; **32:** 308
Villemot D See **Vasdev A**
Villeneuve J-P See **Picard D**
Villers A See **Terris MK**
Villers AA See **McNeal JE**
Villers AA; McNeal JE; Freiha FS; et al: development of prostatic carcinoma: morphometric and pathologic features of early stages, Acta Oncol 1991; **30:** 145
Vinay P See **Ammann H**
Vinay P See **Boulanger Y**
Vinayek R See **Frucht H**
Vinayek R See **London JF**
Vinayek R See **Miller LS**
Vincent GM; Fox J; Johnson MD; et al: thermal laser probe angioplasty: influence of constant tip temperature, plaque composition, and probe/vessel diameter ratio, (ab), JVIR 1991; **2:** 302
Vincent JM See **Varnell RM**
Vincent LM See **Patten RM**
Vincer MJ See **Macken MB**
Vines FS See **Clayman DA**
Vines FS See **Elster AD**
Vines FS See **Sanders TG**
Vines FS See **Turetsky DB**
Vingan HL; Wohlgemuth SD; Bell JS III: percutaneous cholecystostomy drainage for the treatment of acute emphysematous cholecystitis, AJR 1990; **155:** 1013
Vinh TN See **Aoki J**
Vinh TN See **Kransdorf MJ**
Vinh TN See **Stull MA**
Vinik AI See **Cho KJ**

Vinik AI; Delbridge L; Moattari R; et al: transhepatic portal vein catheterization for localization of insulinomas: a 10-year experience, (ab), JVIR 1991; **2:** 417
Vinik AI; Delbridge L; Moattari R; et al: transhepatic portal vein catheterization for localization of insulinomas: a ten-year experience, (ab), Radiology 1991; **179:** 592
Vinik AI; Thompson N; Eckhauser F; et al: clinical features of carcinoid syndrome and the use of somatostatin analogue in its management, Acta Oncol 1989; **28:** 389
Vining EP See **Dietrich RB**
Vinitski S See **Mitchell DG**
Vinitski S See **Szumowski J**
Vinitski S See **Teitelbaum GP**
Vinitski S; Consigny PM; Shapiro MJ; et al: magnetic resonance chemical shift imaging and spectroscopy of atherosclerotic plaque, Invest Radiol 1991; **26:** 703
Vinitski S; Griffey RH: MR image contrast at high field strength, JMRI 1991; **1:** 451
Vinitski S; Mitchell DG; Rifkin MD; et al: improvement in signal-to-noise ratio and reduction of chemical shift and motion-induced artifacts by summation of gradient and spin echo data acquisition, JCAT 1989; **13:** 1041
Vinje B See **Gudmundsen TE**
Vint V See **Brahme SK**
Vinters HV See **Lylyk P**
Vintzileos AM See **Fleming AD**
Vintzileos AM See **Petrikovsky BM**
Vintzileos AM See **Rodis JF**
Viñuela F See **Dion JE**
Viñuela F See **Duckwiler GR**
Viñuela F See **Lylyk P**
Viñuela F See **Tessler FN**
Vinuela F See **Ward PH**
Viñuela F; Dion J; Lylyk P; et al: update on interventional neuroradiology, AJR 1989; **153:** 23
Violante MR See **Tuthill TA**
Violante MR; Parker K; Lerner R: particulate contrast agents for improved ultrasound detection of liver metastases, Invest Radiol 1990; **25:** S165
Violi L See **Ross GJ**
Virant FS See **Shapiro GG**
Viraporngse C See **Brown E**
Viraporngse C See **Mao J**
Viraporngse C: strategies for resolving interpersonal conflicts in radiology, AJR 1989; **152:** 1119
Viraporngse C; Emerson S; Li KCP; Martineau BS; Staab EV: research resources in academic radiology, Radiology 1990; **175:** 247
Virdone R See **Sciarrino E**
Virgolini L See **Geatti O**
Virjee J See **Nixon J**
Virkkunen P See **Kreula J**
Virmani R See **Barth KH**
Virolainen H See **Landay MJ**
Virtama P See **Griffiths HJ**
Virtama P See **Paul R**
Viscardi RM See **Faix RG**
Viscarello RR See **Kier R**
Visciani A; Savoiardo M; Balestrini MR; et al: iatrogenic intraspinal epidermoid tumor: myelo-CT and MRI diagnosis, Neuroradiol 1989; **31:** 273
Visscher DW See **Rubin E**
Visser AG; Huizenga H; Althof VGM; et al: performance of a prototype fluoroscopic radiotherapy imaging system, Int J Radiat Oncol Biol Phys 1990; **18:** 43
Visser FC See **de Roos A**
Visser FC See **Van Rossum AC**
Vital J-M See **Grenier N**
Vitale V See **Scarpati D**
Vitek JJ See **Lawdahl RB**
Vitek JJ: accessory meningeal artery: an anatomic misnomer, AJNR 1989; **10:** 569
Vitek JJ: idiopathic intractable epistaxis: endovascular therapy, Radiology 1991; **181:** 113
Vitek JJ: subclavian artery angioplasty and the origin of the vertebral artery, Radiology 1989; **170:** 407
Vitrey D See **Dumontet C**
Vittadini G; Felder E; Musu C; et al: preclinical profile of Gd-BOPTA: a liver-specific MRI contrast agent, Invest Radiol 1990; **25:** S59
Vitti RA See **Charkes ND**
Vitu L See **Calais G**
Vivino FB See **Goldsmith DP**
Vix VA See **Conces DJ Jr**
Vizcaino I See **Marti-Bonmati L**
Vizy KN: roles of film in an increasingly computerized world, Invest Radiol 1989; **24:** 503
Vlachos L; Trakadas S; Gouliamos A; et al: comparative study between ultrasound, computed tomography, intra-arterial digital subtraction angiography, and magnetic resonance imaging in the differentiation of tumors of the liver, Gastrointest Radiol 1990; **15:** 102
Vlahakes GJ See **Rattner DW**
Vlahos L See **Papavasiliou C**
Vlasveld LT See **Tjon A Tham RTO**
Vlietstra RE See **Connor AR**
Vlietstra RE See **Garratt KN**
Vlodaver ZA See **Coleman CC**
Vlontjou E See **Stavraka-Kakavakis A**
Vock P See **Dumoulin CL**
Vock P See **Kalender WA**
Vock P See **Terrier F**
Vock P; Fretz C; Franciolli M; Bärtsch P: high-altitude pulmonary edema: findings at high-altitude chest radiography and physical examination, Radiology 1989; **170:** 661
Vock P; Soucek M; Daepp M; Kalender WA: lung: spiral volumetric CT with single-breath-hold technique, Radiology 1990; **176:** 864
Vock P; Terrier F; Wegmüller H; et al: magnetic resonance angiography of abdominal vessels: early experience using the three-dimensional phase-contrast technique, Br J Radiol 1991; **64:** 10
Voelker JL See **Pascuzzi RM**
Voelker W See **Karsch KR**
Voet D See **De Wilde V**
Vogel HJ See **Kruyt RH**
Vogel HJP; Schipper J; Hermans J: abdominal ultrasonography: improved image quality with the combined use of a diet and laxatives, JCU 1990; **18:** 627
Vogel HJP; Wondergem JHM; Falke THM: mesothelioma of the pericardium: CT and MR findings, JCAT 1989; **13:** 543
Vogel M; Smallhorn JF; Gilday D; et al: assessment of myocardial perfusion in patients after the arterial switch operation, J Nucl Med 1991; **32:** 237
Vogel RA See **Beauman GJ**
Vogel RA: symposium: interventional cardiology at a crossroad—diagnostics and therapeutics, (ab), Radiology 1989; **171:** 883
Vogel SB See **Ellis LM**
Vogel W See **Kathrein H**
Vogelzang NJ See **Farah R**
Vogelzang P; Harnsberger HR; Smoker WRK: multispatial and transpatial diseases of the extracranial head and neck, Semin US CT MR 1991; **12:** 274
Vogelzang PJ; Oates E; Bankoff MS: parathyroid adenoma associated with neurofibromatosis: correlative scintigraphic and magnetic resonance imaging, Clin Nucl Med 1989; **14:** 168
Vogelzang R See **Donaldson JS**
Vogelzang RL See **Dunnick NR**
Vogelzang RL See **Gore RM**
Vogelzang RL See **Hunter DW**
Vogelzang RL See **Lukancic SP**
Vogelzang RL See **McCarthy WJ**
Vogelzang RL See **Murphy TP**
Voges GE See **Mueller SC**
Vogl G; Schimek F; Ozdoba C; et al: stereotactic retrobulbar anesthesia using CT, JCAT 1990; **14:** 859
Vogl G; Schwer C; Jauch M; et al: simple superimposition method for anatomical adjustments of CT and SPECT images, JCAT 1989; **13:** 929
Vogl TJ; Brüning R; Schedel HK; et al: paragangliomas of the jugular bulb and carotid body: MR imaging with short sequences and Gd-DTPA enhancement, AJNR 1989; **10:** 823
Vogl TJ; Dresel SHJ; Bilaniuk LT; et al: tumors of the nasopharynx and adjacent areas: MR imaging with Gd-DTPA, AJNR 1990; **11:** 187
Vogl TJ; Dresel SHJ; Bilaniuk LT; et al: tumors of the nasopharynx and adjacent areas: MR imaging with Gd-DTPA, AJR 1990; **154:** 585
Vogl TJ; Dresel SHJ; Späth M; Grevers G; Wilimzig C; Schedel HK; Lissner J: parotid gland: plain and gadolinium-enhanced MR imaging, Radiology 1990; **177:** 667
Vogl TJ; Paulus W; Fuchs A; et al: influence of magnetic resonance imaging on evoked potentials and nerve conduction velocities in humans, Invest Radiol 1991; **26:** 432
Vogl TJ; Wilimzig C; Bilaniuk LT; et al: MR imaging in pediatric airway obstruction, JCAT 1990; **14:** 182
Vogl TJ; Wilimzig C; Hofmann U; et al: MRI in tracheal stenosis by innominate artery in children, Pediatr Radiol 1991; **21:** 89
Vogler C See **Luisiri A**
Vogler H See **Würschmidt F**
Vogler JB See **Nokes SR**
Vogler JB III See **Forsberg DA**
Vogler JB III See **Martinez S**
Vogler JB III See **Murphy WA Jr**
Voigt HJ See **Deeg KH**
Voigt K See **Hassler W**
Voigt K See **Ozdoba C**
Voiriot P See **Danchin N**
Voisin C See **Remy-Jardin M**
Vokes EE See **Hallahan DE**
Volberg FM: arthrographies opaques (arthrography with opaque contrast material), Radiology 1989; **173:** 130
Volin L See **Ruutu P**
Volk DM See **Moulder JE**
Volkert WA See **Tubergen K**
Volkert WA; Goeckeler WF; Ehrhardt GJ; et al: therapeutic radionuclides: production and decay property considerations, J Nucl Med 1991; **32:** 174
Volkow ND; Mullani N; Gould LK; et al: sensitivity of measurements of regional brain activation with oxygen-15-water and PET to time of stimulation and period of image reconstruction, J Nucl Med 1991; **32:** 58
Volle E: selective spinal panangiography: use of a 4-F braided catheter with a soft-tip configuration, Radiology 1991; **180:** 874
Volle E; Beyer P; Kaufmann HJ: therapeutic approach to ingested button-type batteries: magnetic removal of ingested button-type batteries, Pediatr Radiol 1989; **19:** 114
Volle E; Treisch J; Claussen C; et al: lesions of skull base observed on high resolution computed tomography: a comparison with magnetic resonance imaging, Acta Radiol 1989; **30:** 129
Volpe JJ See **Perlman JM**
Volpe JJ: current concepts of brain injury in the premature infant, AJR 1989; **153:** 243
Volpe M See **Cuocolo A**
Volpe T See **Zola P**
Volta S See **Gaeta M**
Volta S See **Minutoli A**
Volz RG; Benjamin JB: current status of total joint replacement, Invest Radiol 1990; **25:** 86
von Bassewitz D-B See **Wernecke K**
Vonderheid EC See **Micaily B**
von der Lohe E See **Henrich MM**
Von Essen SG See **Gurney JW**
von Falkenhausen U See **Prokop M**
Von Kienlin M See **Remy C**
von Kienlin M See **Turner R**
Von Krusenstierna S See **Axelsson B**
von Reutern G-M See **Arnolds BJ**
von Reutern G-M See **Brunhölzl C**
von Roemeling R; Lanning RM; Eames FA: MR imaging of patients with implanted drug infusion pumps, JMRI 1991; **1:** 77
VonRoenn JH See **Sider L**
von Rohden L; Steinbicker V; Krebs P; et al: value of ultrasound for the diagnosis of malignant hyperthermia, J Ultrasound Med 1990; **9:** 291
von Rosen A; Frisell J; Glas U; et al: non-palpable invasive breast carcinomas from the Stockholm screening project, Acta Oncol 1989; **28:** 23
von Schulthess GK See **Duewell S**
von Schulthess GK See **Hodler J**
von Schulthess GK; Duewell S; Jenny HB; et al: polyethylene-glycol-ferrioxamine: a new magnetic resonance contrast agent, Invest Radiol 1990; **25:** S48
Von Seegern KB See **Nordstrom LA**
von Sinner W See **Coates R**
von Sinner WN: case report 616, Skeletal Radiol 1990; **19:** 312
von Sinner WN: new diagnostic signs in hydatid disease: radiography, ultrasound, CT and MRI correlated to pathology, Eur J Radiol 1991; **12:** 150
von Sinner WN; Linjawi T; Al Watban J: mediastinal hydatid disease: report of three cases, J Canad Assoc Radiol 1990; **41:** 79
von Sinner WN; Rifai A; te Strake L; et al: magnetic resonance imaging of thoracic hydatid disease: correlation with clinical findings, radiography, ultrasonography, CT and pathology, Acta Radiol 1990; **31:** 59
Voorburg JAJ; Cats VM; Buis B; et al: balloon angioplasty in the treatment of pulmonary hypertension caused by pulmonary embolism, (ab), Radiology 1989; **172:** 291
Voormolen JHC See **de Bakker HM**
Vordermark JS See **Shapeero LG**
Vornanen M See **Usenius T**
Vorne M; Laitinen R; Lantto T; et al: chronic prosthetic vascular graft infection visualized with technetium-99m-hexamethylpropyleneamine oxime-labeled leukocytes, J Nucl Med 1991; **32:** 1425
Vorne M; Lantto T; Paakkinen S; et al: clinical comparison of $^{99}Tc^{m}$-HMPAO labelled leucocytes and $^{99}Tc^{m}$-nanocolloid in the detection of inflammation, Acta Radiol 1989; **30:** 633
Vorne M; Salo S; Anttolainen I; et al: septic *Haemophilus influenzae* polyarthritis demonstrated best with Tc-99m HMPAO labeled leukocytes, Clin Nucl Med 1990; **15:** 883
Vorne M; Soini I; Lantto T; et al: technetium-99m HM-PAO-labeled leukocytes in detection of inflammatory lesions: comparison with gallium-67 citrate, J Nucl Med 1989; **30:** 1332

Vorwerk D See Adam G
Vorwerk D See Bohndorf K
Vorwerk D See Gehl H-B
Vorwerk D See Günther RW
Vorwerk D; Günther RW: mechanical revascularization of occluded iliac arteries with use of self-expandable endoprostheses, Radiology 1990; **175:** 411
Vorwerk D; Günther RW: removal of intimal hyperplasia in vascular endoprostheses by atherectomy and balloon dilatation, AJR 1990; **154:** 617
Vorwerk D; Günther RW; Gehl H-B; et al: color-coded image-directed Doppler sonography compared with digital subtraction angiography in the follow-up of percutaneous vascular endoprostheses, JCU 1990; **18:** 631
Vorwerk D; Günther RW; Keulers P; et al: surgical and percutaneous management of contralateral thrombus dislodgement following stent placement and dilatation of iliac artery occlusions: technical note, Cardiovasc Intervent Radiol 1991; **14:** 134
Vorwerk D; Günther RW; Kuepper W; et al: thermal laser-induced stenosis of the common bile duct: an alternative model for experimental research, Invest Radiol 1989; **24:** 758
Vorwerk D; Klose KC; Günther RW; et al: new motor-driven percutaneous bone biopsy system: technical note, Cardiovasc Intervent Radiol 1989; **12:** 232
Vorwerk D; Zolotas G; Hessel S; et al: vascular tissue ablation by an erbium-YAG laser: a fiber-transmittable pulsed laser in the infrared range, Invest Radiol 1990; **25:** 235
Vorwerk P See Khan A
Vos CG See Smithuis RHM
Vriens EM See Brouwers PJAM
Vriens EM; Kraaier V; Musbach M; et al: transcranial pulsed Doppler measurements of blood velocity in the middle cerebral artery: reference values at rest and during hyperventilation in healthy volunteers in relation to age and sex, Ultrasound Med Biol 1989; **15:** 1
Vriesendorp HM See Leichner PK
Vriesendorp HM; Herpst JM; Leichner PK; et al: polyclonal ^{90}yttrium labeled antiferritin for refractory Hodgkin's disease, Int J Radiat Oncol Biol Phys 1989; **17:** 815
Vrlenich L See Levine C
Vroman L: life of an artificial device in contact with blood: initial events and their effect on its final state, (ab), Radiology 1989; **170:** 291
Vuillez J-P; Peltier P; Mayer J-C; et al: reproducibility of image interpretation in immunoscintigraphy performed with indium-111- and iodine-131-labeled OC125 $F(ab')_2$ antibody injected into the same patients, J Nucl Med 1991; **32:** 221
Vuitch F See Manning SC
Vujic I: vascular complications of pancreatitis, Radiol Clin North Am 1989; **27:** 81
Vullierme M-P See Arrivé L
Vulte J See Zawin M
Vutova K See Todorov T
Vyborny CJ See Chan H-P
Vyborny CJ See Heater K
Vyborny CJ; Schmidt RA: mammography as a radiographic examination: an overview, Radiographics 1989; **9:** 723
Vydareny KH See Blane CE
Vydareny KH See Ellis JH
Vynckier S; Vanneste F; Richard F; et al: control of patient positioning for fast neutron therapy using positron emission tomography, Br J Radiol 1989; **62:** 1031

W

Waag RC See Quain RM
Waaler A See Jakobsen JA
Wachtel H See Mihran RT
Wack JP See Marx M
Wackers FJT See Koster K
Wackers FJT See Maniawski PJ
Wackers FJT; Berman DS; Maddahi J; et al: technetium-99m hexakis 2-methoxyisobutyl isonitrile: human biodistribution, dosimetry, safety, and preliminary comparison to thallium-201 for myocardial perfusion imaging, J Nucl Med 1989; **30:** 301
Wacks LL See Jelinek JS
Wada M; Kikuchi Y; Doy M: uncomplicated acute diverticulitis of the cecum and ascending colon: sonographic findings in 18 patients, AJR 1990; **155:** 283
Wada Y See Michikawa M
Wade CT See Lo WWM
Wade JP; Nicholas D: clinical application of an electronic imaging device for assisting patient set-up in radiotherapy, Br J Radiol 1991; **64:** 596
Wadin K See Muren C
Wadley D See Tsai FY
Waer M See de Ruysscher D
Wagenaar SS See van Bodegom PC
Wagener JS See McCubbin M
Waggenspack GA; Guinto FC Jr: MR and CT of masses of the anterosuperior third ventricle, AJNR 1989; **10:** 105
Wagle AS See Kedar RP
Wagle W See Scialdone CJ
Wagle WA See Bottomley PA
Wagle WA See Sherwood JW
Wagle WA; Dumoulin CL; Souza SP; et al: 3DFT MR angiography of carotid and basilar arteries, AJNR 1989; **10:** 911
Wagman LD; Kemeny MM; Leong L; et al: prospective, randomized evaluation of the treatment of colorectal cancer metastatic to the liver, (ab), JVIR 1991; **2:** 297
Wagman PG; Dworkin HJ: splenic imaging in a patient with functional asplenia, Clin Nucl Med 1989; **14:** 264
Wagner DS See Kelly TR
Wagner GG See Gelfand MJ
Wagner GN See Moser RP Jr
Wagner HN Jr See Jeffery PJ
Wagner HN Jr: clinical PET: its time has come, J Nucl Med 1991; **32:** 561
Wagner HN Jr: Merrill C. Sosman lecture: drugs, behavior, and brain chemistry, AJR 1990; **155:** 925
Wagner JJ See Rakofsky M
Wagner L See Janus C
Wagner LD See Hermann G
Wagner LD See Ragland RL
Wagner LD; Weinberg B; Morrissey WJ; et al: cholelithiasis in a six-week-old asymptomatic neonate, JCU 1989; **17:** 692
Wagner LK: absorbed dose in imaging: why measure it?, Radiology 1991; **178:** 622
Wagner M See Becker T
Wagner M See Yu S
Wagner ML See Grattan-Smith JD
Wagner ML See Katz JA
Wagner RH: essentials of nuclear medicine imaging. 3rd ed, Radiology 1991; **181:** 354
Wagner RH; Halama JR; Henkin RE; et al: errors in the determination of left ventricular functional parameters, J Nucl Med 1989; **30:** 1870
Wagner S See Pomeroy OH
Wagner S See Saeed M
Wagner S See Semelka RC
Wagner S; Waxman J; Sikora K: treatment of essential thrombocythaemia with radioactive phosphorus, Clin Radiol 1989; **40:** 190
Wagner U; Ponhold W; Waldhauser F; et al: echobright kidney in primary polycythaemia, Pediatr Radiol 1989; **19:** 440
Wagner W See Merkle W
Wagoner LE; Movahed A; Reeves WC: myocardial imaging artifacts caused by mitral valve annulus calcification, Clin Nucl Med 1991; **16:** 94
Wahl RL See Andrews JC
Wahl RL See Fig LM
Wahl RL See Harney JV
Wahl RL; Cody RL; Hutchins GD; Mudgett EE: primary and metastatic breast carcinoma: initial clinical evaluation with PET with the radiolabeled glucose analogue 2-[F-18]-fluoro-2-deoxy-D-glucose, Radiology 1991; **179:** 765
Wahl RL; Gyves J; Gross BH; et al: SPECT of the peritoneal cavity: method for delineating intraperitoneal fluid distribution, AJR 1989; **152:** 1205
Wahl RL; Kaminski MS; Ethier SP; et al: potential of 2-deoxy-2[^{18}F]fluoro-D-glucose (FDG) for the detection of tumor involvement in lymph nodes, J Nucl Med 1990; **31:** 1831
Wahl RL; Liebert M: improved radiolabeled monoclonal antibody uptake by lavage of intraperitoneal carcinomatosis in mice, J Nucl Med 1989; **30:** 60
Wahl RL; Wissing JR; del Rosario R; et al: inhibition of autoradiolysis of radiolabeled monoclonal antibodies by cryopreservation, J Nucl Med 1990; **31:** 84
Wahl RL; Wissing JR; Kaminski MS: isotype switch variant anti-idiotype monoclonal antibodies: comparative radiolabeling and in vitro binding, J Nucl Med 1989; **30:** 227
Wahlström T See Cacciatore B
Wahlund L-O See Agartz I
Wahlund L-O; Agartz I; Almqvist O; Basun H; Forssell L; Sääf J; Wetterberg L: brain in healthy aged individuals: MR imaging, Radiology 1990; **174:** 675
Wahner HW See Meyer MA
Wahner-Roedler DL: multifocal skeletal uptake of labeled leukocytes: infection versus tumor metastasis, J Nucl Med 1990; **31:** 1543
Wai Y-Y See Ng S-H
Waisman JR See Silverstein MJ
Waite RJ See Kelly JJ
Waite RJ See Kleinman PK
Waite RJ; Carbonneau RJ; Balikian JP; Umali CB; Pezzella AT; Nash G: parietal pleural changes in empyema: appearances at CT, Radiology 1990; **175:** 145
Wakabayashi A: thoracoscopic ablation of blebs in the treatment of recurrent or persistent spontaneous pneumothorax, (ab), Radiology 1990; **176:** 294
Wakai S; Andoh Y; Ochiai C; et al: postoperative contrast enhancement in brain tumors and intracerebral hematomas: CT study, JCAT 1990; **14:** 267
Wakao F See Merine D
Wakeley CJ; Cassar-Pullicino VN; McCall IW: case of the month: not so pseudo, Br J Radiol 1991; **64:** 375
Wakely PE Jr; Kardos TF; Frable WJ: application of fine needle aspiration biopsy to pediatrics, (ab), Radiology 1989; **172:** 295
Wakisaka M See Mori H
Wakisaka S See Shimauchi M
Waks A; Tretiak OJ: recognition of regions in brain sections, Comput Med Imag Graph 1990; **14:** 341
Walach E See Shmulewitz A
Wald A See Freimanis MG
Wald ER; Guerra N; Byers C: upper respiratory tract infections in young children: duration and frequency of complications, (ab), Radiology 1991; **180:** 592
Wald SL See Levy RA
Waldbaum RS See Warshawsky R
Walden CA; Gilbert P; Rogers LF; et al: case report 620, Skeletal Radiol 1990; **19:** 377
Walden CA; Rogers LF: CT evaluation of adult epiglottitis, JCAT 1989; **13:** 883
Walden JM See Clarkston WK
Walden TL See Litten RZ
Walden TL Jr: first radiation accident in America: a centennial account of the x-ray photograph made in 1890, Radiology 1991; **181:** 635
Waldenstrom U; Axelsson O; Nilsson S; et al: effects of routine one-stage ultrasound screening in pregnancy: a randomised controlled trial, (ab), Radiology 1989; **172:** 587
Waldhauser F See Wagner U
Waldman SD See Lieberman RP
Waldow SM; Lustig RA; Brass-Marlow EL; et al: effect of Fluosol-DA 20% and oxygen on response of C57BL/6 mice to whole-body irradiation, Int J Radiat Oncol Biol Phys 1990; **19:** 665
Waldron JA See Forrester JM
Walenga JM See Fareed J
Walike CS See Morris TW
Walker A; Horner K; Czajka J; et al: quantitative assessment of a new dental imaging system, Br J Radiol 1991; **64:** 529
Walker A; Hounsell AR: x-ray protection considerations for mammography screening centres, Br J Radiol 1989; **62:** 554
Walker AJ: case report: perforation of the colon after barium meal examination, Clin Radiol 1989; **40:** 530
Walker BS See Simon TR
Walker C See Mansberg VJ
Walker C See Palmaz JC
Walker CW See Buckner CB
Walker CW See Purnell GL
Walker CW: MRI of the wrist and hand, Radiology 1991; **178:** 680
Walker CW; Adams BD; Barnes CL; et al: case report 667, Skeletal Radiol 1991; **20:** 237
Walker CW; Aronson J; Kaplan PA; et al: radiologic evaluation of limb-lengthening procedures, AJR 1991; **156:** 353
Walker CW; FitzRandolph RL; Collins DN; et al: arthrography of painful hips following arthroplasty: digital versus plain film subtraction, Skeletal Radiol 1991; **20:** 403
Walker CW; Purnell GL; Diner WC: complications from extravasated retroperitoneal barium: case report and review of the literature, Radiology 1989; **173:** 618
Walker E See Komoroski RA
Walker FO; McLean WT Jr; Elster A; et al: chiasmal sarcoidosis, AJNR 1990; **11:** 1205
Walker H See Bilotta W
Walker HS; Rholl KS; Register TE; van Breda A: percutaneous placement of a hepatic vein stent in the treatment of Budd-Chiari syndrome, JVIR 1990; **1:** 23
Walker HSJ III See Bunchman TE
Walker J See Loneragan R
Walker J; Carty H: radiological feature to assist in the diagnosis of intestinal obstruction, Br J Radiol 1989; **62:** 1105
Walker JM See Lederle FA
Walker KZ See Boniface GR
Walker LK See Taylor GA
Walker MF See Dumoulin CL
Walker TG See Durham JD
Walker TG See Rosen MP
Walker TG See Waltman AC
Walker TG; Grant PW; Goldstein I; Krane RJ; Greenfield AJ: "high-flow" priapism: treatment with superselective transcatheter embolization, Radiology 1990; **174:** 1053

Walker WA See **Pate JW**
Walker WJ See **Khaw KT**
Walker WJ See **Ramsdale ML**
Walker-Andrews S See **Francis IR**
Walker-Andrews SC See **Andrews JC**
Walker-Andrews SC See **Lawrence TS**
Walkey MM: and what is *your* sign?, Radiology 1991; **178:** 894
Walkey MM: dynamic hepatic CT: Dr. Walkey replies, Radiology 1991; **181:** 21
Walkey MM: dynamic hepatic CT: how many years will it take 'til we learn?, Radiology 1991; **181:** 17
Wall SD See **Low RN**
Wall WJ See **Bach DB**
Wall WJ: liver transplantation: current concepts, (ab), Radiology 1989; **170:** 900
Wallace CJ See **Numerow LM**
Wallace CJ: magnetic resonance imaging of the brain, J Canad Assoc Radiol 1991; **42:** 13
Wallace JC: recognition of acute testicular torsion and contralateral varicocele by the use of technetium-99m RBC imaging, Clin Nucl Med 1990; **15:** 357
Wallace R; Salazar JE; Cowles S: relationship between frontal sinus drainage and osteomeatal complex disease: a CT study in 217 patients, AJNR 1990; **11:** 183
Wallace RC; Burton EM; Barrett FF; et al: intracranial tuberculosis in children: CT appearance and clinical outcome, Pediatr Radiol 1991; **21:** 241
Wallace RGH See **Crone MD**
Wallace S See **Carrasco CH**
Wallace S See **Kim EE**
Wallace S See **London J**
Wallace S See **Mirich D**
Wallace S See **O'Keeffe FN**
Wallace S See **Pan G**
Wallace S See **Prando A**
Wallace S See **Wright KC**
Wallace S See **Yoshioka T**
Wallace S; Carrasco CH; Charnsangavej C; et al: hepatic artery infusion and chemoembolization in the management of liver metastases, Cardiovasc Intervent Radiol 1990; **13:** 153
Wallace WHB; Shalet SM; Hendry JH; et al: ovarian failure following abdominal irradiation in childhood: the radiosensitivity of the human oocyte, Br J Radiol 1989; **62:** 995
Wallen CA See **Wong K-H**
Wallenberg-Pachaly HV See **Mueller SC**
Wallengren NO See **Holtås S**
Wallenhaupt SL: surgical management of thoracic empyema, J Thorac Imag 1991; **6-3:** 80
Waller B See **Kinsella TJ**
Waller BF See **Becker GJ**
Waller BF; Orr CM; Pinkerton CA; VanTassel JW; Pinto RP: morphologic observations late after coronary balloon angioplasty: mechanisms of acute injury and relationship to restenosis, Radiology 1990; **174:** 961
Wallerstedt S See **Kaczynski J**
Wallgren A: clinical trials in locally advanced breast cancer, Acta Oncol 1990; **29:** 357
Wallin J See **Kälebo P**
Walling A See **Sanchez RB**
Walling AK; Ogden JA: case report 666, Skeletal Radiol 1991; **20:** 233
Wallington MM; McMillan KTP; Larsen GI; et al: cancer survival in Tasmania: a preliminary report, Australas Radiol 1991; **35:** 178
Wallis A See **Kingsley DPE**
Wallis JW See **Lee KJ**
Wallis JW See **Miller TR**
Wallis JW; Miller TR: three-dimensional display in nuclear medicine and radiology, J Nucl Med 1991; **32:** 534
Wallis JW; Miller TR: volue rendering in three-dimensional display of SPECT images, J Nucl Med 1990; **31:** 1421
Wallis MG: are three views necessary to examine acute ankle injuries?, Clin Radiol 1989; **40:** 424
Wallis MG; Walsh MT; Lee JR: review of false negative mammography in a symptomatic population, Clin Radiol 1991; **44:** 13
Wallman J See **Kuban KCK**
Wallman JK See **Bartynski WS**
Wallner B See **Edelman RR**
Wallner B See **Mattle HP**
Wallner B See **Roth J**
Wallner B See **Saini S**
Wallner BK; Edelman RR; Bajakian R; et al: signal normalization in surface-coil MR imaging, AJNR 1990; **11:** 1271
Wallner BK; Edelman RR; Finn JP; et al: bright pleural effusion and ascites on gradient-echo MR images: a potential source of confusion in vascular MR studies, AJR 1990; **155:** 1237
Wallner BK; Schumacher KA; Weidenmaier W; Friedrich JM: dilated biliary tract: evaluation with MR cholangiography with a T2-weighted CE-FAST sequence, Radiology 1991; **181:** 805
Wallner K; Chiu-Tsao S-t; Roy J; et al: new device to stabilize templates for transperineal I-125 implants, Int J Radiat Oncol Biol Phys 1991; **20:** 1075
Wallner KE See **Fuks Z**
Wallner KE See **Gray JR**
Wallner KE See **Massey V**
Wallner KE See **Roy JN**
Wallner KE See **Schupak KD**
Wallner KE; Galicich JH; Krol G; et al: patterns of failure following treatment for glioblastoma multiforme and anaplastic astrocytoma, Int J Radiat Oncol Biol Phys 1989; **16:** 1405
Wallner PE; Lustig RA; Pajak TF; et al: impact of initial quality control review on study outcome in lung and head/neck cancer studies—review of the Radiation Therapy Oncology Group experience, Int J Radiat Oncol Biol Phys 1989; **17:** 893
Walls JT See **Curtis JJ**
Wallsten H See **Gillams A**
Wallsten H See **Milroy EJG**
Walop W See **Hammond DI**
Walot I; Staple TW: case report 539, Skeletal Radiol 1989; **18:** 233
Walovitch RC; Hill TC; Garrity ST; et al: characterization of technetium-99m-L,L-ECD for brain perfusion imaging, part 1: pharmacology of technetium-99m ECD in nonhuman primates, J Nucl Med 1989; **30:** 1892
Walser EM; Kopecky KK; Rowland R: diffuse ileal conduit stenosis from Crohn's disease, Urol Radiol 1990; **12:** 160
Walsh CS See **Okunieff P**
Walsh DS See **Seyfer AE**
Walsh E; Cramer B; Pushpanathan C: pancreatic echogenicity in premature and newborn infants, Pediatr Radiol 1990; **20:** 323
Walsh JW See **Hayes CW**
Walsh MN See **Henes CG**
Walsh MN; Geltman EM; Brown MA; et al: noninvasive estimation of regional myocardial oxygen consumption by positron emission tomography with carbon-11 acetate in patients with myocardial infarction, J Nucl Med 1989; **30:** 1798
Walsh MT See **Wallis MG**
Walsh PC See **Carter HB**
Walsh PC See **Hamper UM**
Walsh PC See **Sheth S**
Walsh PC See **Tempany CMC**
Walsh PF; Crawford D; Crossling FT; et al: value of immediate ultrasound in acute abdominal conditions: a critical appraisal, Clin Radiol 1990; **42:** 47
Walsh RA See **Miller DD**
Walter DF; Ramaiya LI: intermittent inferior vena caval obstruction: an unusual cause demonstrated by ultrasound, Br J Radiol 1991; **64:** 173
Walter GF See **Schlenska GK**
Walter JF See **Rubin GD**
Walter RM See **Mostbeck GH**
Walters BL See **Brown RKJ**
Walters H See **Raby N**
Walters J See **De Beer JDV**
Walterspiel JN See **Gremse DA**
Walther FJ See **van de Bor M**
Walther MM See **Miller DL**
Walthers EM See **Erlemann R**
Waltman A See **Samaraweera RN**
Waltman AC See **Dorfman GS**
Waltman AC See **Durham JD**
Waltman AC See **Meignan M**
Waltman AC See **Palmaz JC**
Waltman AC See **Simon M**
Waltman AC See **Yucel EK**
Waltman AC: transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, JVIR 1991; **2:** 198
Waltman AC; Walker TG: technique for pulmonary artery catheterization in patients with right ventricular enlargement, AJR 1989; **152:** 391
Walton AJ; Czarnecki DJ: positive indium-111 leukocyte image following antigenic stimulation in a 15-month-old female child, Clin Nucl Med 1989; **14:** 70
Walton LA; Yadusky A; Rubinstein L: intraperitoneal radioactive phosphate in early ovarian carcinoma: an analysis of complications, Int J Radiat Oncol Biol Phys 1991; **20:** 939
Walton MI; Wolf CR; Workman P: molecular enzymology of the reductive bioactivation of hypoxic cell cytotoxins, Int J Radiat Oncol Biol Phys 1989; **16:** 983
Waluch V See **Lo WWM**
Wamsteker K See **Smeele B**
Wan SKH; Cochlin DL: sonographic and computed tomographic features of polycystic disease of the liver, Gastrointest Radiol 1990; **15:** 310
Wan SKH; Ferguson CJ; Cochlin DL; et al: duplex Doppler ultrasound in the diagnosis of acute renal allograft rejection, Clin Radiol 1989; **40:** 573
Wan X See **Berliner LJ**
Wan Y-L See **Wang P-W**
Wan Y-L; Lee T-Y; Tsai C-C; et al: role of sonography in the diagnosis and management of urachal abscesses, JCU 1991; **19:** 203
Wan YL; Ng SH; Lee TY; et al: actinomycosis of the greater omentum, Gastrointest Radiol 1989; **14:** 38
Wandl E See **Ono K**
Wandtke JC: newer imaging methods in chest radiography, J Thorac Imag 1990; **5-1:** 1
Wandtke JC; Plewes DB: comparison of scanning equalization and conventional chest radiography, Radiology 1989; **172:** 641
Wandtke JC; Plewes DB: improved imaging of bone with scan equalization radiography, AJR 1991; **157:** 359
Wanebo HJ See **de Lange EE**
Waneck R See **Lechner GL**
Wang A-M See **Banerian KG**
Wang A-M See **Brooks ML**
Wang A-M See **Chan K**
Wang A-M See **Polak JF**
Wang A-M; Barriger TK; Wesolowski DP: intracranial gumma mimicking a tuber cinereum tumor, Comput Med Imag Graph 1991; **15:** 57
Wang A-M; Suojanen JN; Colucci VM; et al: cocaine- and methamphetamine-induced acute cerebral vasospasm: an angiographic study in rabbits, AJNR 1990; **11:** 1141
Wang CC See **Pardo FS**
Wang CC See **Sailer SL**
Wang CC: radiotherapeutic management and results of T1N0, T2N0 carcinoma of the oral tongue: evaluation of boost techniques, Int J Radiat Oncol Biol Phys 1989; **17:** 287
Wang CC; Goodman M: photon irradiation of unresectable carcinomas of salivary glands, Int J Radiat Oncol Biol Phys 1991; **21:** 569
Wang F See **Applegate GR**
Wang F See **Fan CJ**
Wang F; Miller JH: cerebrospinal fluid pseudocyst presenting as a hepatic mass: a complication of ventriculoperitoneal shunt, Pediatr Radiol 1989; **19:** 326
Wang G-J See **Oster ZH**
Wang H See **Blews DE**
Wang H See **Bluemke DA**
Wang H; Binet EF; Gabrielsen TO; Rosenbaum AE: lumbar myelography with iohexol in outpatients: prospective multicenter evaluation of safety, Radiology 1989; **173:** 239
Wang HH See **Hann LE**
Wang HH See **Schnitt SJ**
Wang HZ; Riederer SJ: spoiling sequence for suppression of residual transverse magnetization, Magn Res Med 1990; **15:** 175
Wang JCL See **Davis SD**
Wang J-H; Chang T: tuberculosis of the prostate: CT appearance, JCAT 1991; **15:** 269
Wang J-z See **Lee E**
Wang J-Z; Mezrich RS; Scholz P; et al: MRI evaluation of left ventricular hypertrophy in a canine model of aortic stenosis, Invest Radiol 1990; **25:** 783
Wang J-Z; Mezrich RS; Sebok DA: image processing on Macintosh II: a practical boundary finding algorithm for biomedical measurement, Comput Med Imag Graph 1990; **14:** 163
Wang K See **Krieger JN**
Wang KY See **Gorell HW**
Wang KY See **Kimmey MB**
Wang KY See **Nyberg DA**
Wang KY See **Patten RM**
Wang KY See **Schwartz AN**
Wang L-Y See **Liu T-Y**
Wang L-Y; Lin Z-Y; Chang W-Y; et al: duplex pulsed Doppler sonography of portal vein thrombosis in hepatocellular carcinoma, J Ultrasound Med 1991; **10:** 265
Wang P-W; Chen H-Y; Wan Y-L: choledochal cyst mimicking gallbladder in Tc-99m disofenin radionuclide cholescintigraphy, Clin Nucl Med 1990; **15:** 811
Wang P-W; Tai D-I; Chen H-Y: Tc-99m HIDA hepatobiliary agent in the diagnosis of pulmonary metastasis from hepatocellular carcinoma, Clin Nucl Med 1991; **16:** 120
Wang S See **Glasgow GP**
Wang S See **Wang Z**
Wang S-c See **Moseley ME**
Wang S-C; Chou C: brief overview of nuclear medicine in China, Semin Nucl Med 1989; **19:** 144
Wang SC; White DL; Pope JM; et al: magnetic resonance imaging contrast enhancement versus tissue gadolinium concentration, Invest Radiol 1990; **25:** S44
Wang S-c; Wikström MG; White DL; Klaveness J; Holtz E; Rongved P; Moseley ME; Brasch RC: evaluation of Gd-DTPA-labeled dextran as an intravascular MR contrast agent: imaging characteristics in normal rat tissues, Radiology 1990; **175:** 483
Wang SE See **Frankel DG**
Wang S-J See **Yeh S-H**
Wang SJ; Hu BS; Macovski A; et al: coronary angiography using fast selective inversion recovery, Magn Res Med 1991; **18:** 417

Wang SJ; Nishimura DG; Macovski A: multiple-readout selective inversion recovery angiography, Magn Res Med 1991; **17:** 244
Wang S-S; Chiang J-H; Tsai Y-T; et al: focal hepatic fatty infiltration as a cause of pseudotumors: ultrasonographic patterns and clinical differentiation, JCU 1990; **18:** 401
Wang X See **Koral KF**
Wang Y See **Boudreau RJ**
Wang Y See **Gross GW**
Wang Y See **Jiang Y**
Wang YX; Yang ZY; Ding Y; et al: correlation between CT and DNA contents in peripheral lung cancers, Eur J Radiol 1991; **13:** 43
Wang Z See **Li X**
Wang Z; Noyszewski EA; Leigh JS Jr; et al: *in vivo* MRS measurement of deoxymyoglobin in human forearms, Magn Res Med 1990; **14:** 562
Wang Z; Zhu Y; Wang S; et al: recognition and management of Budd-Chiari syndrome: report of one hundred cases, (ab), Radiology 1990; **175:** 291
Wang Z-L See **Liu Y-Q**
Wang ZL; Yu S; Sether LA; et al: incidence of unfused ossicles in the lumbar facet joints: CT, MR, and cryomicrotomy study, JCAT 1989; **13:** 594
Wang ZQ See **Berson M**
Wanjura D See **Reuther G**
Wann SL See **Mohiaddin RH**
Wannenmacher M See **Reinbold W-D**
Wanying Q; Brodin T; Ceberg C; et al: radio-iodinated and internally labelled (^{35}S) IgM monoclonal antibodies in a syngenic rat model, Acta Oncol 1991; **30:** 379
Wapner KL See **Intenzo CM**
Wapner KL See **Karasick D**
Wapner RJ See **Kurtz AB**
Wara WM See **Halberg FE**
Wara WM See **Leibel SA**
Wara WM See **Linstadt D**
Warber S See **Andrews JC**
Ward BJ; Pearse DB: reperfusion pulmonary edema after thrombolytic therapy of massive pulmonary embolism, (ab), Radiology 1989; **172:** 291
Ward C See **Rees S**
Ward CS; Halpin SFS; Wilson AG: posteroanterior chest radiograph in depressed sternum, Clin Radiol 1989; **40:** 139
Ward EM See **Luetmer PH**
Ward EM; Kiely MJ; Maus TP; Wiesner RH; Krom RAF: hilar biliary strictures after liver transplantation: cholangiography and percutaneous treatment, Radiology 1990; **177:** 259
Ward EM; Wiesner RH; Hughes RW; Krom RAF: persistent bile leak after liver transplantation: biloma drainage and endoscopic retrograde cholangiopancreatographic sphincterotomy, Radiology 1991; **179:** 719
Ward FT; Anderson JH; Jelinek J; et al: localization of metastatic adrenal cortical carcinoma with Ga-67, Clin Nucl Med 1991; **16:** 117
Ward JH See **Mann H**
Ward MK See **Parnell AP**
Ward PH; Liu C; Vinuela F; et al: embolization: an adjunctive measure for removal of carotid body tumors, (ab), Radiology 1989; **173:** 887
Ward R See **Workman P**
Ward RG See **Lewis-Jones HG**
Ward S See **Daya S**
Ward SC; Hornsby VPL: case of the month: "the dormouse is asleep again" said the Hatter, and he poured a little hot tea upon its nose (*Lewis Carroll*), Br J Radiol 1990; **63:** 733
Ward TL See **Campeau RJ**
Ward WF; Molteni A; Kim YT; et al: structure–function analysis of angiotensin-converting enzyme inhibitors as modifiers of radiation-induced pulmonary endothelial dysfunction in rats, Br J Radiol 1989; **62:** 348
Ward WF; Molteni A; Ts'ao C-H; et al: captopril reduces collagen and mast cell accumulation in irradiated rat lung, Int J Radiat Oncol Biol Phys 1990; **19:** 1405
Ward WF; Molteni A; Ts'ao C; et al: effect of Captopril on benign and malignant reactions in irradiated rat skin, Br J Radiol 1990; **63:** 349
Warde P See **Liu F-F**
Warden KE See **Beck TJ**
Wardlaw JM; Best JJK; Hughes SPF: dynamic bone imaging in the investigation of local bone pathology—when is it useful?, Clin Radiol 1991; **43:** 107
Wardlaw JM; Sellar RJ; Abernethy LJ: measurement of caudate nucleus area—a more accurate measurement for Huntington's disease?, Neuroradiol 1991; **33:** 316
Wardle S; Carty H: CT scanning in meningitis, Eur J Radiol 1991; **12:** 113
Wardlow JM; Cruikshank JG: case of the month: a rare diversion?, Br J Radiol 1989; **62:** 759
Wardman P; Dennis MF; White J: probe for intracellular concentrations of drugs: delayed fluorescence from acridine orange, Int J Radiat Oncol Biol Phys 1989; **16:** 935
Warenius HM See **Campbell IR**
Warhol M See **Down JD**
Waring J See **Troughton AH**
Waring P See **Kaard HP**
Warner JA See **Whitmore WF Jr**
Warner JJ See **Kirshenbaum KJ**
Warnes C See **Rees S**
Warnes CA See **Nishimura RA**
Warnock M See **Klein JS**
Warnock ML; Stoloff A; Thor A: differentiation of adenocarcinoma of the lung from mesothelioma: periodic acid-Schiff, monoclonal antibodies B72.3, and Leu M1, (ab), Radiology 1989; **171:** 882
Warnock NG: case report: ureterocaecal anastomotic tumour diagnosed by sinography, Clin Radiol 1990; **42:** 210
Warren AC See **Pearlson GD**
Warren DL See **Greenfield GB**
Warren DL See **Joyce JM**
Warren FH See **Kogutt MS**
Warren LP Jr; Kliewer MA; Carroll BA: ultrasound case of the day, Radiographics 1991; **11:** 713
Warren RC; Darwin CJ: assessment of feature size abnormalities using receiver operating characteristic analysis, Br J Radiol 1989; **62:** 817
Warren RE See **Zalev AH**
Warren SJ See **Sampson MA**
Warren WH See **Faber LP**
Warrington AP See **Gill SS**
Warrington S See **Le Mignon M-M**
Warshauer DM See **Keefe B**
Warshauer DM; Keefe B; Mauro MA: intrahepatic hepatic artery aneurysm: computed tomography and color-flow Doppler ultrasound findings, Gastrointest Radiol 1991; **16:** 175
Warshauer DM; Schiebler ML: intrahepatic extramedullary hematopoiesis: MR, CT, and sonographic appearance, JCAT 1991; **15:** 683
Warshaw AL; Compton CC; Lewandrowski K; et al: cystic tumors of the pancreas: new clinical, radiologic, and pathologic observations in 67 patients, (ab), Radiology 1991; **179:** 291
Warshaw AL; Gu Z-y; Wittenberg J; et al: preoperative staging and assessment of resectability of pancreatic cancer, (ab), Radiology 1990; **176:** 882
Warshawsky R; Bow SN; Waldbaum RS; et al: bladder pheochromocytoma with MR correlation, JCAT 1989; **13:** 714
Warsof SL See **Abramowicz JS**
Warter JM See **Bosser V**
Wartski M See **Bittoun J**
Wasenko JJ; Rosenbloom SA: temporomandibular joint chondrosarcoma: CT demonstration, JCAT 1990; **14:** 1002
Wasenko JJ; Rosenbloom SA; Duchesneau PM; et al: Sturge-Weber syndrome: comparison of MR and CT characteristics, AJNR 1990; **11:** 131
Washington JT See **Jones D**
Wasielewski RC; Cooperstein LA; Kruger MP; et al: acetabular anatomy and the transacetabular fixation of screws in total hip arthroplasty, (ab), Radiology 1990; **177:** 294
Wasik A See **Sąsiadek M**
Wasnich RD; Ross PD; Davis JW; et al: comparison of single and multi-site BMC measurements for assessment of spine fracture probability, J Nucl Med 1989; **30:** 1166
Wass JL See **Schauwecker DS**
Wass JL See **Wheat LJ**
Wasserman NF: devil in Dr Pollack: defending our souls, Radiology 1991; **178:** 333
Wasserman NF; Reddy PK; Zhang G; et al: transurethral balloon dilatation of the prostatic urethra: effectiveness in highly selected patients with prostatism, AJR 1991; **157:** 509
Wasserman NF; Reddy PK; Zhang G; Berg PA: experimental treatment of benign prostatic hyperplasia with transurethral balloon dilation of the prostate: preliminary study in 73 humans, Radiology 1990; **177:** 485
Wasserman NF; Zhang G; Posalaky IP; et al: ureteral pseudodiverticula: frequent association with uroepithelial malignancy, AJR 1991; **157:** 69
Wasserman TH See **Coleman CN**
Wasserman TH; Phillips TL; Hanks GE; et al: Radiation Therapy Oncology Group: an update of clinical research activities, Int J Radiat Oncol Biol Phys 1991; **20:** 1383
Wasserstein GJ See **Balsam D**
Wassertheil-Smoller S See **Steingart RM**
Wastie ML See **Henderson MJ**
Wastie ML See **Wilson ARM**
Watabe T; Azuma T: T1 and T2 measurements of meningiomas and neuromas before and after Gd-DTPA, AJNR 1989; **10:** 463
Watanabe A; Ishii R; Suzuki Y; et al: cerebral circulation in cases of carotid cavernous fistula: findings of single photon emission computed tomography, Neuroradiol 1990; **32:** 108
Watanabe A; Shimokata K; Saka H; et al: chest CT combined with artificial pneumothorax: value in determining origin and extent of tumor, AJR 1991; **156:** 707
Watanabe AS See **Bradley WG Jr**
Watanabe AS See **Davis WL**
Watanabe AS; Smoker WRK: computed tomography and angiographic findings in metastatic choriocarcinoma, JCAT 1989; **13:** 319
Watanabe AT See **Clark RA**
Watanabe AT See **Teitelbaum GP**
Watanabe AT; Carter BC; Teitelbaum GP; et al: normal variations in MR imaging of the knee: appearance and frequency, AJR 1989; **153:** 341
Watanabe AT; Teitelbaum GP; Gomes AS; Roehm JOF Jr: MR imaging of the bird's nest filter, Radiology 1990; **177:** 578
Watanabe AT; Teitelbaum GP; Henderson RW; et al: magnetic resonance imaging of cardiac sarcomas, J Thorac Imag 1989; **4-2:** 90
Watanabe AT; Teitelbaum GP; Lufkin RB; et al: gradient-echo MR imaging of the lumbar spine: comparison with spin-echo technique, JCAT 1990; **14:** 410
Watanabe BI See **Neville RF Jr**
Watanabe H See **Abe M**
Watanabe H See **Kumasaka Y**
Watanabe K See **Tamura S**
Watanabe M; Tanaka R; Takeda N; et al: focal pachygyria with unusual vascular anomaly, Neuroradiol 1990; **32:** 237
Watanabe S See **Ebara M**
Watanabe T See **Anno Y**
Watanabe T See **Murase N**
Watanabe T See **Ohtake T**
Watanabe T See **Sato A**
Watanabe Y See **Kawamura Y**
Watanabe Y; Shimizu J; Oda M; et al: aggressive surgical intervention in N2 non-small cell cancer of the lung, (ab), Radiology 1991; **181:** 611
Watanabe Y; Shimizu J; Tsubota M; et al: mediastinal spread of metastatic lymph nodes in bronchogenic carcinoma: mediastinal nodal metastases, (ab), Radiology 1990; **177:** 596
Waterhouse RL; Resnick MI: use of transrectal prostatic ultrasonography in the evaluation of patients with prostatic carcinoma, (ab), Radiology 1989; **172:** 885
Waterman AE See **Gregory SP**
Waterman FM; Dewhirst MW; Fessenden P; et al: RTOG quality assurance guidelines for clinical trials using hyperthermia administered by ultrasound, Int J Radiat Oncol Biol Phys 1991; **20:** 1099
Waterman FM; Tupchong L; Matthews J; et al: mechanisms of heat removal during local hyperthermia, Int J Radiat Oncol Biol Phys 1989; **17:** 1049
Waterman FM; Tupchong L; Nerlinger RE; et al: blood flow in human tumors during local hyperthermia, Int J Radiat Oncol Biol Phys 1991; **20:** 1255
Waters BD See **Basile RM**
Waters D See **Lette J**
Waters JW See **Carroll FE**
Waters RL See **Matsuura P**
Waterton JC; Miller D; Dukes M; et al: oblique NMR imaging of the uterus in macaques: uterine response to estrogen stimulation, Magn Res Med 1991; **20:** 228
Watfa RR See **Hodgkiss RJ**
Watkin SW; Green JA: non-Hodgkin's lymphoma: a four-drug regimen suitable for elderly patients with advanced disease, Acta Oncol 1990; **29:** 733
Watkins GE See **Stark P**
Watkins M See **Howerton RM**
Watkins RM See **Ball ABS**
Watkinson AF See **Kabala JE**
Watkinson JC; Allen SJ; Laws DE; et al: pharmacokinetics and biodistribution of technetium-99m(V)dimercaptosuccinic acid in an animal tumor model, J Nucl Med 1991; **32:** 1235
Watkinson JC; Lazarus CR; Mistry R; et al: technetium-99m (v) dimercaptosuccinic acid uptake in patients with head and neck squamous carcinoma: experience in imaging, J Nucl Med 1989; **30:** 174
Watne K; Hager B; Heier M; et al: reversible oedema and necrosis after irradiation of the brain: diagnostic procedures and clinical manifestations, Acta Oncol 1990; **29:** 891
Watson C See **Goldstein SR**
Watson DD See **Beller GA**
Watson DD See **Sinusas AJ**
Watson EE See **Stabin MG**
Watson EE See **Weber DA**
Watson EE; Stabin MG; Davis JL; et al: model of the peritoneal cavity for use in internal dosimetry, J Nucl Med 1989; **30:** 2002

Watson GH See **Smith HC**
Watson L See **Abbitt PL**
Watson P; Mollan RAB: cineradiography of a cracking joint, Br J Radiol 1990; **63:** 145
Watson SL: basic anatomy and physiology for radiographers. 3d ed, Radiology 1989; **170:** 154
Watson SL: Chesney's radiographic imaging. 5th ed, Radiology 1990; **177:** 372
Watson SL: radiographic positioning, Radiology 1990; **174:** 796
Watson Y See **Mitchell L**
Watson-Abady JA See **Somogyi AA**
Watt DL See **Sullivan DC**
Watt I See **Armstrong SJ**
Watt I See **Glew D**
Watt I See **Ipinyomi J**
Watt I See **Kabala JE**
Watt I See **Maurice HD**
Watt I See **Meng Q**
Watt I See **Tawn DJ**
Watt I; Dieppe P: osteoarthritis revisited, Skeletal Radiol 1990; **19:** 1
Watterson J See **Manivel JC**
Wattinne L See **Remy-Jardin M**
Watts FB Jr See **Slovis TL**
Watts JF See **Henkelman RM**
Watts ME See **Stratford MRL**
Watts ME; Roberts IJ; Woodcock M: comparison of colorimetric and clonogenic assays for hypoxic-specific toxins with hamster and human cells, Int J Radiat Oncol Biol Phys 1989; **16:** 939
Watts NB See **Kolla IS**
Waugh JR; Sacharias N: outpatient myelography with iohexol and iopamidol; pilot study and contrast trial, Australas Radiol 1989; **33:** 56
Waugh RC; Stephens FO: indications for surgical or radiological placement of cannulas for intra-arterial induction chemotherapy, Australas Radiol 1990; **34:** 196
Wax MR See **Klein MA**
Waxman A See **Ramanna L**
Waxman AD See **Deutsch AL**
Waxman AD See **Tanasescu DE**
Waxman J See **Wagner S**
Way JS See **Margulies N**
Way LW See **Flynn AE**
Waybill MM See **Giles JA**
Wazer DE See **Schmidt-Ullrich R**
Wazer DE See **Schmidt-Ullrich RK**
Wazer DE; Tercilla OF; Lin P-S; et al: modulation in the radiosensitivity of MCF-7 human breast carcinoma cells by 17B-estradiol and tamoxifen, Br J Radiol 1989; **62:** 1079
Waziri MH See **Kao SCS**
Waziri MH See **Nelson DR**
Wbra F See **Hirn-Stadler B**
Weadock KS; Sharkey RM; Varga DC; et al: evaluation of a remote radioiodination system for radioimmunotherapy, J Nucl Med 1990; **31:** 508
Weatherall PT See **Erdman WA**
Weatherall PT See **Fleckenstein JL**
Weatherall PT See **Mendelsohn DB**
Weatherbee L See **Brandon C**
Weaver AA See **Conrad MR**
Weaver BMQ See **Gregory SP**
Weaver F See **Ameriso S**
Weaver F See **Chapman WC**
Weaver FA See **Stain SC**
Weaver FA; Pentecost MJ; Yellin AE; et al: clinical applications of carbon dioxide/digital subtraction arteriography, (ab), Radiology 1991; **180:** 590
Weaver FA; Yellin AE; Bauer M; et al: is arterial proximity a valid indication for arteriography in penetrating extremity trauma? a prospective analysis, (ab), JVIR 1991; **2:** 288
Weaver FA; Yellin AE; Bauer M; et al: is arterial proximity a valid indication for arteriography in penetrating extremity trauma? a prospective analysis, (ab), Radiology 1991; **179:** 295
Weaver K; Smith V; Lewis JD; et al: CT-based computerized treatment planning system for I-125 stereotactic brain implants, Int J Radiat Oncol Biol Phys 1990; **18:** 445
Weaver KA See **Halberg FE**
Weaver SR See **Harill CD**
Webb AG See **Ballinger R**
Webb AG; Hall LD: general formalism for the manipulation of multiple-echo data sets, and application to chemical shift editing, Magn Res Med 1991; **18:** 411
Webb D See **Choyke PL**
Webb H See **Hoover EL**
Webb JAW See **Brooks AP**
Webb JAW See **Reznek RH**
Webb JAW See **Talner LB**
Webb JG; Myler RK; Shaw RE; et al: coronary angioplasty in young adults: initial results and late outcome, (ab), JVIR 1991; **2:** 417
Webb P See **Spielman D**
Webb P; Macovski A: rapid, fully automatic, arbitrary-volume *in vivo* shimming, Magn Res Med 1991; **20:** 113
Webb P; Spielman D; Macovski A: fast spectroscopic imaging method using a blipped phase encode gradient, Magn Res Med 1989; **12:** 306
Webb PM See **Kurlandsky LE**
Webb RC See **Wilson MW**
Webb S: non-standard CT scanners: their role in radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 1589
Webb TH; Lillemoe KD; Pitt HA; et al: pancreatic lymphoma: is surgery mandatory for diagnosis or treatment?, (ab), Radiology 1989; **172:** 882
Webb WR See **Aberle DR**
Webb WR See **Capp MP**
Webb WR See **Im J-G**
Webb WR See **Kein JS**
Webb WR See **Lynch DA**
Webb WR See **Park C-K**
Webb WR: high-resolution computed tomography of the lung: normal and abnormal anatomy, Semin Roentgenol 1991; **26:** 110
Webb WR: high-resolution CT of the lung parenchyma, Radiol Clin North Am 1989; **27:** 1085
Webb WR: high resolution lung computed tomography: normal anatomic and pathologic findings, Radiol Clin North Am 1991; **29:** 1051
Webb WR: MR imaging of treated mediastinal Hodgkin disease, Radiology 1989; **170:** 315
Webb WR: radiologic evaluation of the solitary pulmonary nodule, AJR 1990; **154:** 701
Webb WR: role of magnetic resonance imaging in the assessment of patients with lung cancer: a comparison with computed tomography, J Thorac Imag 1989; **4-2:** 65
Webb WR; Gatsonis C; Zerhouni EA; Heelan RT; Glazer GM; Francis IR; McNeil BJ: CT and MR imaging in staging non-small cell bronchogenic carcinoma: report of the Radiologic Diagnostic Oncology Group, Radiology 1991; **178:** 705
Webber CE See **Adachi JD**
Webber CE: some factors which influence the evaluation of a dual photon measurement of lumbar spine bone mineral mass, J Canad Assoc Radiol 1989; **40:** 87
Webber MM See **Guze BH**
Webber MM; Gomes AS; Roe D; et al: comparison of Biello, McNeil and PIOPED criteria for the diagnosis of pulmonary emboli on lung scans, AJR 1990; **154:** 975
Weber A; Nadel S: CT appearance of retrograde jejunoduodenogastric intussusception: a rare complication of gastrostomy tubes, AJR 1991; **156:** 957
Weber AL See **Gean-Marton AD**
Weber C See **Fajardo LL**
Weber DA; Makler PT Jr; Watson EE; et al: radiation absorbed dose from technetium-99m-labeled bone imaging agents, J Nucl Med 1989; **30:** 1117
Weber DM See **Molloi SY**
Weber E See **Bubeck B**
Weber MAJ; Hasford J; Taillens C; et al: low-dose aspirin versus anticoagulants for prevention of coronary graft occlusion, (ab), Radiology 1991; **180:** 590
Weber ME See **Gay SB**
Weber PM See **Navarro DA**
Weber PN See **DeLaney AR**
Weber PR See **Crade M**
Weber RS See **Ang KK**
Weber TM See **Hertzberg BS**
Weber TM; Hertzberg BS; Bowie JD: transperineal US: alternative technique to improve visualization of the presenting fetal part, Radiology 1991; **179:** 747
Weber TM; Hertzberg BS; Bowie JD: use of endovaginal ultrasound to optimize visualization of the distal fetal spine in breech presentations, J Ultrasound Med 1990; **9:** 519
Weber TR; Connors RH; Tracy TF Jr; et al: complex hemangiomas of infants and children: individualized management in 22 cases, (ab), JVIR 1991; **2:** 289
Weber W See **Schild HH**
Weber WN; Neumann CH; Barakos JA; Peterson SA; Steinbach LS; Genant HK: lateral tibial rim (segond) fractures: MR imaging characteristics, Radiology 1991; **180:** 731
Webster ADB See **Curtin JJ**
Webster DW; Thompson RT; Gravelle DR; et al: metabolic response to exercise in malignant hyperthermia-sensitive patients measured by ^{31}P magnetic resonance spectroscopy, Magn Res Med 1990; **15:** 81
Webster HE See **Boucek MM**
Wechsler RJ See **Guglielmo FF**
Wechsler RJ See **Hendricks PJ**
Wechsler RJ See **March DE**
Wechsler RJ See **Needleman L**
Wechsler RJ See **Schwartz EE**
Wechsler RJ; Ayyangar K; Steiner RM; et al: development of distant pulmonary infiltrates following thoracic irradiation: the role of computed tomography with dosimetric reconstruction in diagnosis, Comput Med Imag Graph 1990; **14:** 43
Wechsler RJ; Kurtz AB; Needleman L; et al: cross-sectional imaging of abdominal wall hernias, AJR 1989; **153:** 517
Wechsler RJ; Miller CL; Kurtz AB; et al: anterior protrusion of retroperitoneal processes: a mimic of lesser sac or gastrohepatic masses, Clin Imag 1990; **14:** 146
Wechsler RJ; Rao VM; Newman LM: subclavian triangle: CT analysis, AJR 1989; **152:** 313
Wechsler RJ; Steiner RM: cross-sectional imaging of the chest wall, J Thorac Imag 1989; **4-1:** 29
Weddle RA See **Rex DK**
Wedeen VJ; Wendt RE III; Jerosch-Herold M: motional phase artifacts in Fourier transform MRI, Magn Res Med 1989; **11:** 114
Wedge JH; Munkacsi J; Loback D: anteversion of the femur and idiopathic osteoarthrosis of the hip, (ab), Radiology 1990; **174:** 589
Wedmann B; Schmidt G; Wegener M; et al: sonographic evaluation of gallbladder kinetics: in vitro and in vivo comparison of different methods to assess gallbladder emptying, JCU 1991; **19:** 341
Wee A; Kang JY; Ho MS; et al: gastroduodenal mucosa in uremia: endoscopic and histological correlation and prevalence of helicobacter-like organisms, (ab), Radiology 1991; **179:** 291
Weeks DA See **Mulder LD**
Weeks DA; Beckwith JB; Mierau GW: benign nodal lesions mimicking metastases from pediatric renal neoplasms: a report of the National Wilms' Tumor Study Pathology Center, (ab), Radiology 1991; **179:** 888
Weeks DA; Beckwith JB; Mierau GW; et al: rhabdoid tumor of kidney: a report of 111 cases from the national Wilms' Tumor Study Pathology Center, (ab), Radiology 1990; **174:** 592
Weeks KJ; Dennett JC: dose calculation and measurements for a CT compatible version of the Fletcher applicator, Int J Radiat Oncol Biol Phys 1990; **18:** 1191
Weeks KJ; Fraass BA; McShan DL; et al: comparison of automated and manual shielding block fabrication, Int J Radiat Oncol Biol Phys 1989; **16:** 501
Weese J See **Zegel HG**
Weesner KM See **Link KM**
Wegener M See **Wedmann B**
Wegener P See **Moshage W**
Wegener W See **Alavi A**
Wegener W See **Velchik MG**
Wegener WA; Heyman S: bilateral deep venous thrombosis in protein S deficiency: detection by radionuclide venography, Clin Nucl Med 1990; **15:** 618
Wegener WA; Heyman S: growth plate fracture: an acute fracture of the proximal tibia with a photopenic defect on bone scintigraphy, Clin Nucl Med 1990; **15:** 447
Wegener WA; Heyman S: reliability of an intense focal abdominal lesion visualized only with gallium-67, Clin Nucl Med 1990; **15:** 521
Wegener WA; Velchik MG: ventilation-perfusion scintigraphy in an adult with congenital unilateral hyperlucent lung, Clin Nucl Med 1990; **15:** 683
Wegener WA; Williams HT: meningioma extending through the skull: a palpable lesion with a scintigraphic doughnut sign, Clin Nucl Med 1990; **15:** 441
Wegenius G: model simulations of pulmonary edema: phantom studies with computed tomography, Invest Radiol 1991; **26:** 149
Wegenius GA See **Barbaric ZL**
Wegert SJ See **Hopper KD**
Wegmüller H See **Nüssel F**
Wegmüller H See **Vock P**
Wegryn SA See **Desai RK**
Wegryn SA; Piraino DW: comparison of digital and conventional musculoskeletal radiography: observer performance study: reply, Radiology 1990; **177:** 588
Wegryn SA; Piraino DW; Richmond BJ; Schluchter MD; Uetani M; Freed HA; Meziane MA; Belhobek GA: comparison of digital and conventional musculoskeletal radiography: an observer performance study, Radiology 1990; **175:** 225
Wegst AV See **Robinson RG**
Wehn SM; Heinz ER; Burger PC; et al: dilated Virchow-Robin spaces in cryptococcal meningitis associated with AIDS: CT and MR findings, JCAT 1989; **13:** 756
Wehrle JP See **Constantinidis I**
Wehrli FW See **Dousset V**
Wehrli FW See **Ford JC**
Wehrli FW: time-of-flight effects in MR imaging of flow, Magn Res Med 1990; **14:** 187
Wehrli FW; Ford JC; Attie M; Kressel HY; Kaplan FS: trabecular structure: preliminary application of MR interferometry, Radiology 1991; **179:** 615
Wehrli FW; Maravilla KR: Ninth Annual Meeting of the Society for Magnetic Resonance Imaging: scientific program, JMRI 1991; **1:** 133

Wei LQ; Rong ZK; Gui L; et al: CT diagnosis of renal vein thrombosis in nephrotic syndrome, JCAT 1991; **15:** 454
Wei WI See **Sham JST**
Weiber S See **Ekberg O**
Weibo Y See **Mei W**
Weichselbaum RR See **Quiet CA**
Weichselbaum RR; Beckett MA; Diamond AA: important step in radiation carcinogenesis may be inactivation of cellular genes, Int J Radiat Oncol Biol Phys 1989; **16:** 277
Weichselbaum RR; Beckett MA; Vijayakumar S; et al: radiobiological characterization of head and neck and sarcoma cells derived from patients prior to radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 313
Weidenmaier W See **Wallner BK**
Weidman ER; Charles HC; Negro-Vilar R; et al: muscle activity localization with ^{31}P spectroscopy and calculated T2-weighted ^{1}H images, Invest Radiol 1991; **26:** 309
Weidner N See **Baker ND**
Weidner N See **Davis SP**
Weidner N See **Sonnenfeld MR**
Weigele JB See **Ashenburg RJ**
Weigele JB: iliac artery stenosis causing renal allograft-mediated hypertension: angiographic diagnosis and treatment, AJR 1991; **157:** 513
Weikl A See **Moshage W**
Weikl A See **Schneider S**
Weiland FL See **Heironimus JD**
Weill A See **Tampieri D**
Weill A; del Carpio-O'Donovan R; Tampieri D; et al: spinal angiolipomas: CT and MR aspects, JCAT 1991; **15:** 83
Wein AJ See **Poliack HM**
Wein AJ See **Schiebler ML**
Wein BB; Drobnitzky M; Klajman S; Angerstein W: evaluation of functional positions of tongue and soft palate with MR imaging: initial clinical results, JMRI 1991; **1:** 381
Weinberg AG See **Manning SC**
Weinberg B See **Duffis AW**
Weinberg B See **Wagner LD**
Weinberg B; Rodriguez LR; Diakoumakis EE: case of scrotal birth trauma: sonographic evaluation, JCU 1990; **18:** 737
Weinberg B; Seife B; Alonso P: apical oblique view of the clavicle: its usefulness in neonatal and childhood trauma, Skeletal Radiol 1991; **20:** 201
Weinberg PM See **Glauser TA**
Weinberg SM See **Keeter S**
Weinberger E See **Hughes P**
Weinberger E See **Morris CS**
Weinberger E See **Orzel JA**
Weinberger E See **Shaw DWW**
Weinberger E; Brewer DK; Mercker JM: single-puncture myelographic evaluation of epidural block in the young infant, Pediatr Radiol 1989; **19:** 223
Weinberger E; Rosenbaum DM; Pendergrass TW: renal involvement in children with lymphoma: comparison of CT with sonography, AJR 1990; **155:** 347
Weinberger HL See **Markowitz ME**
Weinberger J; Rothlauf E; Materese E; et al: noninvasive evaluation of the extracranial carotid arteries in patients with cerebrovascular events and atrial fibrillations, (ab), Radiology 1989; **170:** 902
Weiner DS See **Riley PM**
Weiner E See **Shalev E**
Weiner MW See **Hubesch B**
Weiner MW See **Karczmar GS**
Weiner MW See **Lawry TJ**
Weiner MW See **Meyerhoff DJ**
Weiner MW See **Shine N**
Weiner MW; Hetherington HP: power of the proton, Radiology 1989; **172:** 318
Weiner RE: role of phosphate-containing compounds in the transfer of indium-111 and gallium-67 from transferrin to ferritin, J Nucl Med 1989; **30:** 70
Weinfeld A See **Falcone S**
Weinfeld A See **Smart PE**
Weinfeld RM See **Remer EM**
Weinfeld RM: trauma radiology, Radiology 1991; **178:** 786
Weingarten EP See **Mitty HA**
Weingarten K; Zimmerman RD; Becker RD; et al: subdural and epidural empyemas: MR imaging, AJNR 1989; **10:** 81
Weingarten K; Zimmerman RD; Cahill PT; et al: detection of acute intracerebral hemorrhage on MR imaging: ineffectiveness of prolonged interecho interval pulse sequences, AJNR 1991; **12:** 475
Weingarten K; Zimmerman RD; Deo-Narine V; et al: MR imaging of acute intracranial hemorrhage: findings on sequential spin-echo and gradient-echo images in a dog model, AJNR 1991; **12:** 457
Weingast GR See **Sze G**
Weingrad TR; Eymontt MJ; Martin JH; et al: periostitis due to low-dose fluoride intoxication demonstrated by bone scanning, Clin Nucl Med 1991; **16:** 59
Weinhous MS: treatment verification using a computer workstation, Int J Radiat Oncol Biol Phys 1990; **19:** 1549
Weininger J See **Issachar D**
Weininger J; Issachar D; Lubin E; et al: influence of pH adjustment agents on the biologic behavior of osmium-191 impurity in iridium-191m generator eluates, J Nucl Med 1990; **31:** 523
Weinmann H-J; Press W-R; Gries H: tolerance of extracellular contrast agents for magnetic resonance imaging, Invest Radiol 1990; **25:** S49
Weinraub Z See **Schneider DF**
Weinreb J See **Bhushan V**
Weinreb J See **Rafii M**
Weinreb JC See **Birnbaum BA**
Weinreb JC See **Golimbu CN**
Weinreb JC See **Naidich DP**
Weinreb JC See **Rofsky NM**
Weinreb JC See **Rusinek H**
Weinreb JC See **Seidenwurm D**
Weinreb JC See **Sze G**
Weinreb JC: MR imaging of bone marrow: a map could help, Radiology 1990; **177:** 23
Weinreb JC: MR imaging of the abdomen: are we there yet?, JMRI 1991; **1:** 393
Weinreb JC; Barkoff ND; Megibow A; et al: value of MR imaging in distinguishing leiomyomas from other solid pelvic masses when sonography is indeterminate, AJR 1990; **154:** 295
Weinreb JC; Davis SD; Berkmen YM; et al: pulmonary artery sarcoma: evaluation using Gd-DTPA, JCAT 1990; **14:** 647
Weinreb JC; Wolbarsht LB; Cohen JM; Brown CEL; Maravilla KR: prevalence of lumbosacral intervertebral disk abnormalities on MR images in pregnant and asymptomatic nonpregnant women, Radiology 1989; **170:** 125
Weinstein JS; Baim DS; Sipperly ME; et al: salvage of branch vessels during bifurcation lesion angioplasty: acute and long-term follow-up, (ab), JVIR 1991; **2:** 411
Weinstein MA See **Gean-Marton AD**
Weinstein MA See **Smith AS**
Weinstein PR See **Andrews BT**
Weinstein PR See **Chang L-H**
Weinstein SH See **Holloway WR**
Weinzierl M See **Berger H**
Weisberg A See **Sclafani SJA**
Weisberg LA; Elliott D; Shamsnia M: intraventricular hemorrhage in adults: clinical-computed tomographic correlations, Comput Med Imag Graph 1991; **15:** 43
Weisberg LA; Greenberg J; Stazio A: computed tomographic findings in brain swelling, Comput Med Imag Graph 1990; **14:** 263
Weisberg LA; Stazio A: nontraumatic parietal subcortical hemorrhage: clinical-computed tomographic correlations, Comput Med Imag Graph 1989; **13:** 355
Weisberg LA; Stazio A; Elliott D: chronic expanding intracerebral hematoma, Comput Med Imag Graph 1990; **14:** 61
Weisberg LA; Stazio A; Elliott D; et al: putaminal hemorrhage: clinical-computed tomographic correlations, Neuroradiol 1990; **32:** 200
Weisberg LA; Stazio A; Shamsnia M; et al: nontraumatic temporal subcortical hemorrhage: clinical-computed tomographic analysis, Neuroradiol 1990; **32:** 137
Weisberg LA; Trufant S; Carballosa R; et al: primary medullary hemorrhage, Comput Med Imag Graph 1989; **13:** 487
Weisbrod GL See **Chong BW**
Weisbrod GL See **Foo S-S**
Weisbrod GL See **Herman SJ**
Weisbrod GL See **Morrish WF**
Weisbrod GL See **Pecorari A**
Weisbrod GL See **Rappaport DC**
Weisbrod GL See **Spouge AR**
Weisbrod GL: pulmonary angiitis and granulomatosis: a review, J Canad Assoc Radiol 1989; **40:** 127
Weisbrod GL: transthoracic percutaneous lung biopsy, Radiol Clin North Am 1990; **28:** 647
Weisbrod L See **Herman SJ**
Weisbruch GJ See **Currarino G**
Weiser JC See **Gur D**
Weiser JC; Gur D; Cano ER; Deutsch M; Wu A; Mogus RM: verification of electron beam therapy with storage phosphor images: precision of field placement, Radiology 1990; **175:** 257
Weisgrau RA; Guiberteau MJ: diagnosis of acute complicated cholecystitis by Tc-99m sulfur colloid liver imaging, Clin Nucl Med 1990; **15:** 240
Weiskittel DA See **Leary DL**
Weiskittel DA; Leary DL; Blane CE: ultrasound diagnosis of evolving pyloric stenosis, Gastrointest Radiol 1989; **14:** 22
Weisman B See **Berns DH**
Weisman MH See **Kursunoglu-Brahme S**
Weisman MH See **O'Malley M**
Weisner KM See **Formanek AG**
Weiss AJ See **Kashdan BJ**
Weiss AJ See **Sider L**
Weiss C See **Konski A**
Weiss CA See **Brandt TD**
Weiss D; Eisen HJ; Alavi A: detection of myocardial viability with positron emission tomography in a patient with ischemic cardiomyopathy, J Nucl Med 1991; **32:** 130
Weiss DW See **Alavi A**
Weiss DW See **Kapouleas I**
Weiss GH See **Miller DL**
Weiss JF See **Patchen ML**
Weiss KL See **Trambert JJ**
Weiss KL; Morehouse HT; Levy IM: sagittal MR images of the knee: a low-signal band parallel to the posterior cruciate ligament caused by a displaced bucket-handle tear, AJR 1991; **156:** 117
Weiss M; Sutton L; Marcial V; et al: role of radiation therapy in the management of childhood craniopharyngioma, Int J Radiat Oncol Biol Phys 1989; **17:** 1313
Weiss MA See **Moulton JS**
Weiss MC See **McKenna WG**
Weiss MF See **Yeh H-C**
Weiss N; Delius M; Gambihler S; et al: influence of the shock wave application mode on the growth of A-Mel 3 and SSK2 tumors *in vivo*, Ultrasound Med Biol 1990; **16:** 595
Weiss R See **Rezai K**
Weiss RG See **Babcock DS**
Weiss RG See **Bottomley PA**
Weiss RG See **Matsumoto JS**
Weiss RM See **Stanford W**
Weiss SL See **Totterman S**
Weiss SL See **Tuite MJ**
Weiss SW; Tavassoli FA: multicystic mesothelioma: an analysis of pathologic findings and biologic behavior in 37 cases, (ab), Radiology 1989; **171:** 592
Weiss W: asbestos and colorectal cancer, (ab), Radiology 1991; **178:** 896
Weissberg JB; Son YH; Papac RJ; et al: randomized clinical trial of mitomycin C as an adjunct to radiotherapy in head and neck cancer, Int J Radiat Oncol Biol Phys 1989; **17:** 3
Weisskoff RM See **Cohen MS**
Weissleder H; Weissleder R: interstitial lymphangiography: initial clinical experience with a dimeric nonionic contrast agent, Radiology 1989; **170:** 371
Weissleder R See **Chew FS**
Weissleder R See **Elizondo G**
Weissleder R See **Fretz CJ**
Weissleder R See **Hahn PF**
Weissleder R See **Lee AS**
Weissleder R See **Reimer P**
Weissleder R See **Rummeny E**
Weissleder R See **Senéterre E**
Weissleder R See **Weissleder H**
Weissleder R; Elizondo G; Josephson L; Compton CC; Fretz CJ; Stark DD; Ferrucci JT: experimental lymph node metastases: enhanced detection with MR lymphography, Radiology 1989; **171:** 835
Weissleder R; Elizondo G; Stark DD; et al: diagnosis of splenic lymphoma by MR imaging: value of superparamagnetic iron oxide, AJR 1989; **152:** 175
Weissleder R; Elizondo G; Wittenberg J; Lee AS; Josephson L; Brady TJ: ultrasmall superparamagnetic iron oxide: an intravenous contrast agent for assessing lymph nodes with MR imaging, Radiology 1990; **175:** 494
Weissleder R; Elizondo G; Wittenberg J; Rabito CA; Bengele HH; Josephson L: ultrasmall superparamagnetic iron oxide: characterization of a new class of contrast agents for MR imaging, Radiology 1990; **175:** 489
Weissleder R; Lee AS; Fischman AJ; Reimer P; Shen T; Wilkinson R; Callahan RJ; Brady TJ: polyclonal human immunoglubulin G labeled with polymeric iron oxide: antibody MR imaging, Radiology 1991; **181:** 245
Weissleder R; Reimer P; Lee AS; et al: 1990 ARRS President's Award: MR receptor imaging: ultrasmall iron oxide particles targeted to asialoglycoprotein receptors, AJR 1990; **155:** 1161
Weissleder R; Stark DD: magnetic resonance imaging of liver tumors, Semin US CT MR 1989; **10:** 63
Weissleder R; Stark DD; Engelstad BL; et al: superparamagnetic iron oxide: pharmacokinetics and toxicity, AJR 1989; **152:** 167
Weissleder R; Thrall JH: lymphatic system: diagnositc imaging studies, Radiology 1989; **172:** 315
Weissman BN See **Aliabadi P**
Weissman BN See **Lee J-H**
Weissman BN: current topics in the radiology of joint replacement surgery, Radiol Clin North Am 1990; **28:** 1111

Weissman BN; Reilly DT: diagnostic imaging evaluation of the postoperative patient following musculoskeletal trauma, Radiol Clin North Am 1989; **27:** 1035
Weissman JL; Curtin HD: benign erosion of laryngeal cartilage: report of two cases, AJNR 1990; **11:** 1215
Weissman JL; Hirsch BE; Chan K; Tabor EK; Curtin HD: dehiscent temporomandibular joint, Radiology 1991; **180:** 211
Weissman JL; Tabor EK; Curtin HD: sphenochoanal polyps: evaluation with CT and MR imaging, Radiology 1991; **178:** 145
Weiss-Peretz J See **Avrahami E**
Weitzner I Jr See **Biondi A**
Weitzner I Jr See **Kotval PS**
Weizman Z; Durie PR: acute pancreatitis in childhood, (ab), Radiology 1989; **172:** 591
Weksberg R See **Eich GF**
Welch DM See **Mettler FA Jr**
Welch MJ See **Mathias CJ**
Welch TJ See **Charboneau JW**
Welch TJ See **Lewis BD**
Welch TJ See **Nishimura RA**
Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH: CT-guided biopsy: prospective analysis of 1,000 procedures, Radiology 1989; **171:** 493
Welch TJ; Stanson AW; Sheedy PF II; Johnson CM; McKusick MA: radiologic evaluation of penetrating aortic atherosclerotic ulcer, Radiographics 1990; **10:** 675
Welchel JD See **Taylor A Jr**
Welk LA; Quint DJ: amyloidosis of the spine in a patient on long-term hemodialysis, Neuroradiol 1990; **32:** 334
Welke M See **Kalender WA**
Welker BG; Gembruch U; Diedrich K; et al: transvaginal sonography of the endometrium during ovum pickup in stimulated cycles for in vitro fertilization, J Ultrasound Med 1989; **8:** 549
Weller M See **Senac MO Jr**
Weller R; Henze E; Clausen M; et al: quantification of amplitude images of gated radionuclide heart studies: a new universal method, J Nucl Med 1989; **30:** 1393
Welling RE See **Griffen MM**
Wellman HN See **Swan JS**
Wells DG See **Thomson KR**
Wells GA; Lichtenstein JE; Moulton JS: benign cecal villous adenoma presenting as a bladder mass, Gastrointest Radiol 1989; **14:** 176
Wells GA; Smith HS; Trepashko DW; et al: abnormal captopril renal scintigraphy in a case of renal artery branch stenosis, Clin Nucl Med 1990; **15:** 191
Wells I: inferior vena cava filters and when to use them, Clin Radiol 1989; **40:** 11
Wells IP See **De Vos Meiring P**
Wells IP See **Ivory CM**
Wells M See **Primrose JN**
Wells PNT See **Hendee WR**
Wells PNT See **Taylor KJW**
Wells PNT: Doppler ultrasound in medical diagnosis, Br J Radiol 1989; **62:** 399
Wells PNT: special considerations in choosing parameters to characterize acoustic output of diagnostic equipment, Ultrasound Med Biol 1989; **15:** 57
Wells RG See **Havens PL**
Wells RG See **Karanauskas S**
Wells RG See **Sty JR**
Wells RG See **Tolly TL**
Wells RG See **Wernick S**
Wells RG; Miro P; Brummond R: color-flow Doppler sonography of persistent hyperplastic primary vitreous, J Ultrasound Med 1991; **10:** 405
Wells RG; Sty JR: imaging of sacrococcygeal germ cell tumors, Radiographics 1990; **10:** 701
Wells RG; Sty JR; Gonnering RS: imaging of the pediatric eye and orbit, Radiographics 1989; **9:** 1023
Wells SW See **Cowan IA**
Wells TR; Stanley P; Padua EM; et al: serial section-reconstruction of anomalous tracheobronchial branching patterns from CT scan images: bridging bronchus associated with sling left pulmonary artery, Pediatr Radiol 1990; **20:** 444
Welsh CL See **Belli A-M**
Welter C See **Kovacs G**
Weltevreden AM See **Desberg AL**
Wen B-C See **Hawes DR**
Wen B-C See **Nelson DR**
Wen B-C See **Staples JJ**
Wen B-C; Hussey DH; Hitchon PW; et al: role of radiation therapy in the management of ependymomas of the spinal cord, Int J Radiat Oncol Biol Phys 1991; **20:** 781
Wen B-C; Hussey DH; Staples J; et al: comparison of the roles of surgery and radiation therapy in the management of craniopharyngiomas, Int J Radiat Oncol Biol Phys 1989; **16:** 17
Wen B-C; Pennington EC; Hussey DH; et al: alopecia associated with unexpected leakage from electron cone, Int J Radiat Oncol Biol Phys 1989; **16:** 1637
Wenda K See **Pedrosa P**
Wendel MJ See **Dowd MT**
Wendland M See **Higgins CB**
Wendland M See **Pomeroy OH**
Wendland MF See **Chew WM**
Wendland MF See **Fu KK**
Wendland MF See **Higgins CB**
Wendland MF See **Holt WW**
Wendland MF See **Masui T**
Wendland MF See **Moseley ME**
Wendland MF See **Saeed M**
Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME: detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, JMRI 1991; **1:** 285
Wendler H See **Ring E**
Wendling D See **Reust P**
Wendt CD; Peters LJ; Ang KK; et al: hyperfractionated radiotherapy in the treatment of squamous cell carcinomas of the supraglottic larynx, Int J Radiat Oncol Biol Phys 1989; **17:** 1057
Wendt CD; Peters LJ; Delclos L; et al: primary radiotherapy in the treatment of stage I and II oral tongue cancers: importance of the proportion of therapy delivered with interstitial therapy, Int J Radiat Oncol Biol Phys 1990; **18:** 1287
Wendt RE III See **Wedeen VJ**
Wendt RE III: interactive design of motion-compensated gradient waveforms with a personal computer spreadsheet program, JMRI 1991; **1:** 87
Wendt RE III; Nitz WR; Murphy PH; et al: characterization of fluid flow using low-spatial-resolution velocity spectra from NMR images, Magn Res Med 1989; **10:** 71
Wendt RE III; Nitz WR; Murphy PH: nuclear magnetic resonance velocity spectra of steady flow, Magn Res Med 1990; **15:** 90
Wengerter KR See **Veith FJ**
Weninger M See **Vergesslich KA**
Wenk H See **Swobodnik W**
Wennerberg J See **Lybak S**
Wentz KU See **Edelman RR**
Wentz KU See **Mattle HP**
Wentz KU; Mattle HP; Edelman RR; et al: stereoscopic display of MR angiograms, Neuroradiol 1991; **33:** 123
Wenz W See **Richter GM**
Wen-Zhan C; Dao-Lan Z; Ke-Shen L: long-term observation after radiotherapy for nasopharyngeal carcinoma (NPC), Int J Radiat Oncol Biol Phys 1989; **16:** 311
Weppelmann B See **Kim RY**
Weppelmann B See **Meredith RF**
Weppelmann B See **Spencer SA**
Weppelmann B; Wheeler RH; Peters GE; et al: phase I study of prolonged infusion 5-fluorouracil and concomitant radiation therapy in patients with squamous cell cancer of the head and neck, Int J Radiat Oncol Biol Phys 1991; **20:** 357
Werbel GB; Nahrwold DL; Joehl RJ; et al: percutaneous cholecystostomy in the diagnosis and treatment of acute cholecystitis in the high-risk patient, (ab), Radiology 1990; **175:** 587
Wernecke K; Vassallo P; Hoffmann G; et al: value of sonography in monitoring the therapeutic response of mediastinal lymphoma: comparison with chest radiography and CT, AJR 1991; **156:** 265
Wernecke K; Vassallo P; Peters PE; von Bassewitz D-B: mediastinal tumors: biopsy under US guidance, Radiology 1989; **172:** 473
Wernecke K; Vassallo P; Pötter R; Lückener H-G; Peters PE: mediastinal tumors: sensitivity of detection with sonography compared with CT and radiography, Radiology 1990; **175:** 137
Wernecke K; Vassallo P; Rutsch F; Peters PE; Potter R: thymic involvement in Hodgkin disease: CT and sonographic findings, Radiology 1991; **181:** 375
Werner GS; Buchwald A; Unterberg C; et al: recanalization of chronic total coronary arterial occlusions by percutaneous excimer-laser and laser-assisted angioplasty, (ab), Radiology 1991; **180:** 294
Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J: arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Radiology 1991; **180:** 177
Werner WR See **Sievers KW**
Wernick S; Wells RG: sequelae of temporal lobe herniation: MR imaging, JCAT 1989; **13:** 323
Wernicke PG See **Holder LE**
Wernovsky G See **Flynn BM**
Wersäll P; Masucci G; Pihlstedt P; et al: generation of human LAK cells in tissue culture bags using recombinant IL-2 and serum free medium: effects of pretreatment with phenylalanine-methylester, Acta Oncol 1990; **29:** 431
Werthmuller WC; Margulis AR: magnetic resonance imaging of the alimentary tube, Invest Radiol 1991; **26:** 195
Werthmuller WC; Schiebler ML; Whaley RA; et al: gadolinium-DTPA enhancements of lung radiation fibrosis, JCAT 1989; **13:** 946
Wesbey G See **Schwaighofer BW**
Wesolowski D See **Edwards MG**
Wesolowski DP See **Banerian KG**
Wesolowski DP See **Wang A-M**
Wessbecher FW See **Eskridge JM**
Wessbecher FW; Maravilla KR; Dalley RW: optimizing brain MR imaging protocols with gadopentetate dimeglumine: enhancement of intracranial lesions on spin-density- and T2-weighted images, AJNR 1991; **12:** 675
Wessels BW See **Williams JA**
Wessels BW; Vessella RL; Palme DF II; et al: radiobiological comparison of external beam irradiation and radioimmunotherapy in renal cell carcinoma xenografts, Int J Radiat Oncol Biol Phys 1989; **17:** 1257
Wesson MF See **Minsky BD**
West CML See **Jen Y-M**
West DJ; Najm YC; Mistry R; et al: localization of myocardial ischaemia with technetium-99m methoxy isobutyl isonitrile and single photon emission computed tomography, Br J Radiol 1989; **62:** 303
West JW See **Woodring JH**
West KJ See **Rescorla FJ**
West KW See **Cory DA**
West KW; Stephens B; Rescorla FJ; et al: postoperative intussusception: experience with 36 cases in children, (ab), Radiology 1989; **171:** 592
West MS; Donaldson JS; Shkolnik A: pulmonary sequestration: diagnosis by ultrasound, J Ultrasound Med 1989; **8:** 125
West MS; Garra BS; Horii SC; Hayes WS; Cooper C; Silverman PM; Zeman RK: gallbladder varices: imaging findings in patients with portal hypertension, Radiology 1991; **179:** 179
West MS; Russell EJ; Breit R; Sze G; Kim KS: calvarial and skull base metastases: comparison of nonenhanced and Gd-DTPA–enhanced MR images, Radiology 1990; **174:** 85
Westaby S See **Spencer JA**
Westbury G See **Moskovic E**
Westcott JL: bronchiectasis, Radiol Clin North Am 1991; **29:** 1031
Westdahl RP See **Lagios MD**
Westengard JC See **Frood LR**
Westengard JC See **Massee DR**
Westengard JC See **Smith DC**
Westesson P-L See **Hansson L-G**
Westlake GW See **Smith JA**
Westler WM See **Alonso J**
Westmark KD; Braver JM: octogenarian with vaginal bleeding and uterine mass, Invest Radiol 1990; **25:** 1276
Weston M See **Crook R**
Weston MJ; Andrews H: case report: in-utero aspiration of sacrococcygeal cyst, Clin Radiol 1991; **44:** 119
Weston MJ; Wilde P: echocardiographic diagnosis of massive pulmonary embolism, Br J Radiol 1989; **62:** 751
Weston PMT; Travis R; Thompson HH: giant cystic leiomyoma of the sigmoid colon, Comput Med Imag Graph 1991; **15:** 41
Westphal M See **Strecker E-P**
Westra SJ: ultrasound in the diagnosis of hypertrophic pyloric stenosis, (ab), Radiology 1991; **181:** 290
Westra SJ: ultrasound of gastroesophageal reflux in children, (ab), Radiology 1990; **174:** 904
Westra SJ; de Groot CJ; Smits NJ; Staalman CR: hypertrophic pyloric stenosis: use of the pyloric volume measurement in early US diagnosis, Radiology 1989; **172:** 615
Westra SJ; Wolf BHM; Staalman CR: ultrasound diagnosis of gastroesophageal reflux and hiatal hernia in infants and young children, JCU 1990; **18:** 477
Westrich C See **Hall S**
Westrich TJ See **Mirowitz SA**
Westvik J See **Smevik B**
Wetherbee JN See **Goodman LR**
Wetterberg L See **Agartz I**
Wetterberg L See **Wahlund L-O**
Wetzel LH See **Batnitzky S**
Wetzel LH See **Cook LT**
Wetzel LH See **Cox GG**
Wetzel LH See **Lee KR**
Wetzel LH See **Levine E**
Wetzel LH See **Murphey MD**
Wetzel LH See **Rosenthal SJ**
Wetzel LH See **Siegel EL**
Wetzel LH; Levine E: MR imaging of sacral and presacral lesions, AJR 1990; **154:** 771
Wetzel LH; Levine E: soft-tissue tumors of the foot: value of MR imaging for specific diagnosis, AJR 1990; **155:** 1025
Wetzel LH; Schweiger GD; Levine E: MR imaging of transarticular skip metastases from distal femoral osteosarcoma, JCAT 1990; **14:** 315

Wexler JP See **Zuckier LS**
Wexler L See **Ginsburg R**
Wexler L See **Guthaner DF**
Wexler L See **Yamaguchi T**
Wexler L; Levin D; Dorros G; Ring EJ; Katzen BT; Spittell JA Jr; King SB III: training standards for physicians performing peripheral angioplasty: new developments, Radiology 1991; **178:** 19
Weyman PJ See **Bower BL**
Weyman PJ See **Heiken JP**
Weyman PJ See **Picus D**
Weyman PJ See **Spies JB**
Weynants P See **Trigaux J-PP**
Weynants P See **van Beers BE**
Whalen E: Society of Uroradiology 1989 scientific session, September 23–24, AJR 1990; **154:** 11
Whalen M See **Shapiro JI**
Whaley RA See **Werthmuller WC**
Whang SH; Lee KS; Kim PN; et al: omental teratoma in an adult: a case report, Gastrointest Radiol 1990; **15:** 301
Wharam M See **Sagerman RH**
Wharam MD See **Marcial-Vega VA**
Wharam MD See **Williams JA**
Wheat LJ; Batteiger BE; Sathapatayavongs B; et al: *Histoplasma capsulatum* infections of the central nervous system: a clinical review, (ab), Radiology 1991; **178:** 591
Wheat LJ; French MLV; Wass JL: sarcoidlike manifestations of histoplasmosis, (ab), Radiology 1990; **175:** 592
Wheatley MJ; Coran AG: obstructive jaundice secondary to chronic pancreatitis in children: report of two cases and review of the literature, (ab), Radiology 1989; **172:** 295
Wheatley MJ; Eckhauser FE: portal venous barium intravasation complicating barium enema examination, (ab), Radiology 1991; **181:** 908
Wheeler AP; Jaquiss RDB; Newman JH: physician practices in the treatment of pulmonary embolism and deep venous thrombosis, (ab), Radiology 1989; **170:** 291
Wheeler HG See **Stokes KR**
Wheeler KT See **Wong K-H**
Wheeler RH See **Saleh MN**
Wheeler RH See **Weppelmann B**
Wheeler TK See **Moore NR**
Wheeler TM See **Shinohara K**
Wheeler WB See **Griscom NT**
Whelan P See **Saifuddin A**
Whelchel J See **Bernardino M**
Wheldon TE See **O'Donoghue JA**
Wheldon TE; Barrett A: radiobiological rationale for compensation for gaps in radiotherapy regimes by post-gap acceleration of fractionation, Br J Radiol 1990; **63:** 114
Whigham C See **Fisher RG**
Whinery JG Jr See **Brand JW**
Whipp E See **Cobby M**
Whisson CC; Evill CA; Sage MR; et al: effect of additional cations on the twitching reaction to intracarotid, nonionic contrast media in rabbits, Invest Radiol 1990; **25:** 1004
Whisson CC; Evill CA; Sage MR; et al: muscular and CNS effects of carotid artery administration of contrast media in rabbits, AJNR 1990; **11:** 143
Whisson CC; Evill CA; Wilson AJ; et al: muscular and central nervous system side effects of intracarotid contrast media in rabbits, Invest Radiol 1990; **25:** S90
Whitaker MD; Jelinek JS; Kransdorf MJ; et al: case report 653, Skeletal Radiol 1991; **20:** 291
Whitaker RH See **Tudor J**
Whitaker SC; Preston BJ; McKim-Thomas H: spontaneous disappearance of tuberculous psoas abscess calcification, Br J Radiol 1990; **63:** 303
White C; Slifkin M; Seltzer SE; et al: biodistribution and clearance of contrast-carrying MREV liposomes, Invest Radiol 1990; **25:** 1125
White CJ See **Moore JW**
White CJ; Ramee SR; Collins TJ; et al: guiding catheter-assisted renal artery angioplasty, (ab), JVIR 1991; **2:** 413
White CP See **Jacky J**
White CS; Austin JHM; Lubetsky HW; et al: impact of routine chest radiography on the management of patients admitted from an emergency service, Invest Radiol 1990; **25:** 720
White CW See **Lesperance J**
White DH; Rajagopalan R; Kuan K-T; et al: synthesis and characterization of nonionic paramagnetic metal complexes as potential magnetic resonance imaging contrast agents, Invest Radiol 1990; **25:** 556
White DL See **Engelstad BL**
White DL See **Hattner RS**
White DL See **Hoener B-a**
White DL See **Moseley ME**
White DL See **Wang SC**
White DL See **Wendland MF**
White DL See **Wikström MG**
White DR; Widdowson EM; Woodard HQ; et al: composition of body tissues: (II) fetus to young adult, Br J Radiol 1991; **64:** 149
White EM See **Mueller PR**
White G See **Kopans DB**
White GH See **White RA**
White GH; White RA; Kopchok GE; et al: endoscopic intravascular surgery removes intraluminal flaps, dissections, and thrombus, (ab), Radiology 1990; **176:** 589
White HC See **Pearlman SH**
White J See **Wardman P**
White JA See **Fischman AJ**
White JE; Flickinger FW; Morgan ME: I-131 accumulation in gastric pull-up simulating pulmonary metastases on total-body scan for thyroid cancer, Clin Nucl Med 1990; **15:** 809
White JG See **duCret RP**
White KS See **Optican RJ**
White KS; Grossman H: Wilms' and associated renal tumors of childhood, Pediatr Radiol 1991; **21:** 81
White KS; Muelenaer AA Jr; Beam CA; et al: determination of functional residual capacity from digital radiographs of the normal neonatal chest: studies in a rabbit model, AJR 1991; **156:** 1209
White MV See **Clark J**
White NM See **Puram B**
White NW See **Rowe MH**
White RA See **White GH**
White RA; White GH: laser thermal probe recanalization of occluded arteries, (ab), Radiology 1989; **173:** 885
White RA; White GH; Mehringer MC; et al: clinical trial of laser thermal angioplasty in patients with advanced peripheral vascular disease, (ab), JVIR 1991; **2:** 290
White RA; White GH; Mehringer MC; et al: clinical trial of laser thermal angioplasty in patients with advanced peripheral vascular disease, (ab), Radiology 1991; **179:** 886
White RD See **Honess DJ**
White RD; Higgins CB: magnetic resonance imaging of thoracic vascular disease, J Thorac Imag 1989; **4-2:** 34
White RD; Paschal CB; Clampitt ME; Spraggins TA; Lenz GW: electrocardiograph-independent, "wireless" cardiovascular cine MR imaging, JMRI 1991; **1:** 347
White RI Jr See **Lammert GK**
White RI Jr See **Moore RD**
White RI Jr See **Perler BA**
White RI Jr: status of admitting privileges for university-affiliated diagnostic radiology departments, Radiology 1990; **175:** 391
White RI Jr; Denny DF Jr; Osterman FA Jr; Greenwood LH; Wilkinson LA: logistics of a university interventional radiology practice, Radiology 1989; **170:** 951
White SJ See **Arvin M**
White SJ See **Cohen MD**
White SJ See **Jackson VP**
White SJ See **Young W**
White TJ III: is reform needed in the book review process?, Radiology 1989; **170:** 578
White VA See **Roe JY**
White VA; Fanning CV; Ayala AG; et al: osteosarcoma and the role of fine-needle aspiration: a study of 51 cases, (ab), Radiology 1989; **171:** 590
Whitear P See **Clifton AG**
Whitear P; Shaw P; Gordon I: comparison of $^{99}Tc^{m}$ dimercaptosuccinic acid scans and intravenous urography in children, Br J Radiol 1990; **63:** 438
Whitecloud TS See **Murayama S**
Whitehill TA See **Pearce WH**
Whitehouse G See **Brokensha C**
Whitehouse G See **Thorp D**
Whitehouse GH See **Al-Hindawi M**
Whitehouse GH See **Evans SE**
Whitehouse GH See **Kenny JB**
Whitehouse GH See **Lewis-Jones HG**
Whitehouse RW See **Hawnaur JM**
Whitehouse RW: renal papillary blushes and nonionic contrast agents, Radiology 1989; **172:** 581
Whitehouse RW; Leatherbarrow B: cranio-cerebral erosion (growing skull fracture) causing anisometropia, Br J Radiol 1990; **63:** 728
Whitehurst TK See **Green PS**
Whiteley LO See **Whiteley MB**
Whiteley MB; Feeney DA; Whiteley LO; et al: ultrasonographic appearance of primary and metastatic canine hepatic tumors: a review of 48 cases, J Ultrasound Med 1989; **8:** 621
Whiting JS See **Cagnon CH**
Whitley NO See **Mirvis SE**
Whitley NO; Belani CP; Aisner J; et al: tumor volume and treatment outcome in small cell lung carcinoma, Invest Radiol 1989; **24:** 581
Whitlock WL See **Lowery WS**
Whitlow WD See **Bryan RN**
Whitman GJ; Borkowski GP: giant fibrovascular polyp of the esophagus: CT and MR findings, AJR 1989; **152:** 518
Whitmore GF See **Hill RP**
Whitmore WF Jr; Warner JA; Thompson IM Jr: expectant management of localized prostatic cancer, (ab), Radiology 1991; **180:** 886
Whitney RW; Brenner R; Gulati R: occult diastematomyelia in adults—report of two cases, Clin Radiol 1990; **41:** 415
Whittaker S See **Dearnaley DP**
Whittemore AD See **Belkin M**
Whittemore AD See **Polak JF**
Whittemore AR See **Bradley WG Jr**
Whittemore AR See **Jinkins JR**
Whittemore AR; Bradley WG; Jinkins JR: comparison of cocurrent and countercurrent flow–related enhancement in MR imaging, Radiology 1989; **170:** 265
Whitten C; Grimes C; Isler R; et al: CT of an actively-hemorrhaging liver laceration in a 9-year-old child, Pediatr Radiol 1990; **20:** 558
Whitten CG See **Abrahams TG**
Whitten CG See **Renfrew DL**
Whitten CG; Luke BA: liver uptake of Tc-99m PYP, Clin Nucl Med 1991; **16:** 492
Whittington JR See **Wilkins RA**
Whittington R See **Greven KM**
Whittington R; Coia LR; Haller DG: adenocarcinoma of the esophagus and esophago-gastric junction: the effects of single and combined modalities on the survival and patterns of failure following treatment, Int J Radiat Oncol Biol Phys 1990; **19:** 593
Whittle IR See **Abernethy LJ**
Whittle IR See **Gaze MN**
Whittle IR; Gordon A; Misra BK; et al: pleomorphic xanthoastrocytoma: report of four cases, (ab), Radiology 1989; **173:** 590
Whitton AC; Bloom HJG: low grade glioma of the cerebral hemispheres in adults: a retrospective analysis of 88 cases, Int J Radiat Oncol Biol Phys 1990; **18:** 783
Wholey MH See **Elson JD**
Wholey MH See **Levitt RG**
Wholey MH See **Wholey MH**
Wholey MH: controversies in peripheral vascular intervention, Radiology 1990; **174:** 929
Wholey MH; Jarmolowski CR: new reperfusion devices: the Kensey catheter, the atherolytic reperfusion wire device, and the transluminal extraction catheter, Radiology 1989; **172:** 947
Wholey MH; Machek JS; Rhinehart ER; Wholey MH: automated, percutaneous biopsy device, Radiology 1990; **174:** 567
Wholey MH; Smith JAM; Godlewski P; Nagurka M: recanalization of total arterial occlusions with the Kensey dynamic angioplasty catheter, Radiology 1989; **172:** 95
Whooten WW See **Goates JJ**
Whyte AM See **Broderick NJ**
Whyte AM See **Rees JIS**
Whyte AM; Hayward MWJ: agenesis of the salivary glands: a report of two cases, Br J Radiol 1989; **62:** 1023
Whyte AM; Hourihan MD: diagnosis of tumours involving the parapharyngeal space by computed tomography, Br J Radiol 1989; **62:** 526
Whyte AM; Lufkin RB; Bredenkamp J; et al: sternocleidomastoid fibrosis in congenital muscular torticollis: MR appearance, JCAT 1989; **13:** 163
Whyte AM; Powell N: case report: mediastinal lipoblastoma of infancy, Clin Radiol 1990; **42:** 205
Whyte MKB See **Adam A**
Whyte MKB See **Chilvers ER**
Whyte MP See **Hardy DC**
Wibault P See **Lusinchi A**
Wichman RD See **Davis PC**
Wichman RD See **Murphy FB**
Wichmann W See **Boltshauser E**
Wichmann W; Schubiger O; Deimling Av; et al: neuroradiology of central neurocytoma, Neuroradiol 1991; **33:** 143
Wick H See **Beckmann N**
Wicke L See **Fezoulidis I**
Wickham JEA See **Jones DJ**
Wickline SA See **Milunski MR**
Wickman G See **Mattsson O**
Wicks J See **Brann BS IV**
Wickström O See **Hillarp B**
Widder B; Paulat K; Hackspacher J; et al: morphological characterization of carotid artery stenoses by ultrasound duplex scanning, Ultrasound Med Biol 1990; **16:** 349
Widdick DA See **Dale LD**
Widdowson DJ See **Pellegrini V**
Widdowson DJ; Pilling DW; Cook RCM: neonatal ovarian cysts: therapeutic dilemma, (ab), Radiology 1989; **170:** 590
Widdowson EM See **White DR**
Widemann B See **Gückel C**
Widlus DM See **Savader SJ**
Widlus DM See **Venbrux AC**

Widlus DM; Venbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr: fibrinolytic therapy for upper-extremity arterial occlusions, Radiology 1990; **175:** 393
Widmark H See Albertsson M
Widoff BE See Gold RH
Widoff BE See Seeger LL
Widrich WC See Samaraweera RN
Wiebe LI See Tse JW
Wiebers DO See Brown RD Jr
Wiebers DO See Huston J III
Wiechmann BN See Akins EW
Wiedemann G See Roszinski S
Wiedemann HP See Jones FA
Wiedenmann B: synaptophysin: a widespread constituent of small neuroendocrine vesicles and a new tool in tumor diagnosis, Acta Oncol 1991; **30:** 435
Wiedmeyer DA See Carter DJ
Wiedmeyer DA See Knudson GJ
Wiedmeyer DA; Stewart ET; Dodds WJ; et al: choledochal cyst: findings on cholangiopancreatography with emphasis on ectasia of the common channel, AJR 1989; **153:** 969
Wieland DM See Sisson JC
Wieland J See Hirshfeld JW Jr
Wielopolski PA See Haacke EM
Wiener ES See Albright AL
Wiener JI See Siegel MJ
Wiener MD See Betz BW
Wiener MD; Boyko OB; Friedman HS; et al: false-positive spinal MR findings for subarachnoid spread of primary CNS tumor in postoperative pediatric patients, AJNR 1990; **11:** 1100
Wiener MD; Martinez S; Forsberg DA: congenital absence of a cervical spine pedicle: clinical and radiologic findings, AJR 1990; **155:** 1037
Wiener SN See Pryce AP
Wiener SN; Neumann DR; Rzeszotarski MS: comparison of magnetic resonance imaging and radionuclide bone imaging of vertebral fractures, Clin Nucl Med 1990; **14:** 666
Wiener Z See Thaler I
Wiener-Kronish JP See Aberle DR
Wiener-Kronish JP See Matthay MA
Wienhard K; Herholz K; Coenen HH; et al: increased amino acid transport into brain tumors measured by PET of L-(2-^{18}F)fluorotyrosine, J Nucl Med 1991; **32:** 1338
Wiens JL See Fajardo LL
Wiernik G; Alcock CJ; Bates TD; et al: final report on the second British Institute of Radiology fractionation study: short *versus* long overall treatment times for radiotherapy of carcinoma of the laryngo-pharynx, Br J Radiol 1991; **64:** 232
Wiernik G; Alcock CJ; Bates TD; et al: first interim progress report on the second British Institute of Radiology Fractionation study: short *versus* long overall treatment times for radiotherapy of carcinoma of the laryngopharynx, Br J Radiol 1989; **62:** 450
Wiernik G; Bates TD; Bleehen NM; et al: final report of the general clinical results of the British Institute of Radiology fractionation study of 3F/wk *versus* 5F/wk in radiotherapy of carcinoma of the laryngo-pharynx, Br J Radiol 1990; **63:** 169
Wierzbicki J See Maruyama Y
Wierzbinski B See Shih W-J
Wiese JA See Renfrew DL
Wiesen E See Yagan R
Wiesen EJ See Crass JR
Wiesen EJ See Marmolya G
Wiesen EJ See Miron SD
Wiesen EJ; Crass JR; Bellon EM; Ashmead GG; Cohen AM: improvement in CT pelvimetry, Radiology 1991; **178:** 259
Wieslander S See Henriksen O
Wiesner RH See Fleming JL
Wiesner RH See Hay JE
Wiesner RH See Ward EM
Wiestler OD See Martin E
Wiggins J; Strickland B; Chung KF: detection of bronchiectasis by high-resolution computed tomography in the yellow nail syndrome, Clin Radiol 1991; **43:** 377
Wigley FM See Kallman DA
Wigren T See Ojala A
Wigton RS See Heckerling PS
Wike JL See Brock WA
Wikkelsö C; Andersson H; Blomstrand C; et al: computed tomography of the brain in the diagnosis of and prognosis in normal pressure hydrocephalus, Neuroradiol 1989; **31:** 160
Wikland M See Enk L
Wikland M See Granberg S
Wiklund L-M; Uvebrant P; Flodmark O: morphology of cerebral lesions in children with congenital hemiplegia: a study with computed tomography, Neuroradiol 1990; **32:** 179
Wiklund TA See Kairemo KJA
Wikman-Coffelt J; Auffermann W: influence of drugs on diseased states of the heart: a ^{31}P NMR and [Ca]$_i$ study, Invest Radiol 1989; **24:** 976
Wikstad I See Hannerz L
Wikström G See Wikström M
Wikström M; Martinussen HJ; Wikström G; et al: magnetic resonance imaging of acute myocardial infarction in pigs using Gd-DTPA, Acta Radiol 1990; **31:** 619
Wikström MG See Wang S-c
Wikström MG; Moseley ME; White DL; et al: contrast-enhanced MRI of tumors: comparison of Gd-DTPA and a macromolecular agent, Invest Radiol 1989; **24:** 609
Wikstrom MG; White DL; Moseley ME; et al: ascorbate-induced cancellation of nitroxide contrast media enhancement of MR images, Invest Radiol 1989; **24:** 692
Wilander E See Eriksson B
Wilander E See Stridsberg M
Wilander E: diagnostic pathology of gastrointestinal and pancreatic neuroendocrine tumours, Acta Oncol 1989; **28:** 363
Wilander E; Scheibenpflug L; Eriksson B; et al: diagnostic criteria of classical carcinoids, Acta Oncol 1991; **30:** 469
Wilbrand HF See Muren C
Wilbur A See Vade A
Wilbur A: computed tomography of tuboovarian abscesses, JCAT 1990; **14:** 625
Wilbur AC See Bárány M
Wilbur AC; Kriz RJ: round CT film static artifacts: simulation of focal pathology, JCAT 1989; **13:** 730
Wilbur AC; Mostowfi K; Heydemann J; et al: infarcted undescended testis appearing as a calcified abdominal mass in an adult, AJR 1990; **155:** 547
Wilbur DS; Hadley SW; Hylarides MD; et al: development of a stable radioiodinating reagent to label monoclonal antibodies for radiotherapy of cancer, J Nucl Med 1989; **30:** 216
Wilbur MJ See Fritzsche PJ
Wilcox BJ See Ko GN
Wilcox CS; Smith TB; Frederickson ED; et al: captopril glomerular filtration rate renogram in renovascular hypertension, Clin Nucl Med 1989; **14:** 1
Wilcox J See Wilson AJ
Wilcox PG See McElvaney NG
Wilcox PG; Paré PD; Pardy RL: recovery after unilateral phrenic injury associated with coronary artery revascularization, (ab), Radiology 1991; **178:** 898
Wilde CC; Kueh YK: case report: tuberculous hepatic and splenic abscess, Clin Radiol 1991; **43:** 215
Wilde P See Cooke SG
Wilde P See Murphy KP
Wilde P See Weston MJ
Wilde P: what is the future for cardiac radiology?, Clin Radiol 1989; **40:** 451
Wilde RPH See Crook R
Wildenhain PM; Lehár SC; Dastur KJ; et al: orbital varix: color flow imaging correlated with CT and MR studies, JCAT 1991; **15:** 171
Wilder J See Randall ME
Wilder WM; Melhem RE: balloon dilatation of post-surgical ano-rectal strictures in two infants, Pediatr Radiol 1989; **19:** 527
Wildes TO See Prendergast ML
Wilensky RL; Nashel DJ: case report: iliofemoral thrombophlebitis presenting as an acute abdomen: report and literature review, (ab), Radiology 1989; **171:** 293
Wilensky RL; Nashel DJ: case report: iliofemoral thrombophlebitis presenting as an acute abdomen: report and literature review, (ab), Radiology 1990; **174:** 294
Wiley CA See Chrysikopoulos HS
Wilf LH See Sanders TG
Wilf LH See Turetsky DB
Wiliams ED See Oates CP
Wilimzig C See Vogl TJ
Wilken T See Frohn J
Wilkens L See Kovacs G
Wilkerson D See Sebok DA
Wilkes CH See Schellhas KP
Wilkes CH: internal derangements of the temporomandibular joint: pathological variations, (ab), Radiology 1990; **175:** 294
Wilkes DC See Spritzer CE
Wilking N; Rutqvist LE; Nordenskjöld B; et al: steroid receptor levels in breast cancer: relationships with age and menopausal status, Acta Oncol 1989; **28:** 807
Wilkins EW Jr See Hilgenberg AD
Wilkins K See Nicholson RL
Wilkins P See Halpin SFS
Wilkins RA See Jaffe V
Wilkins RA; Nunnerley HB; Allison DJ; et al: expansion of interventional radiology. report of a survey conducted by the Royal College of Radiologists, Clin Radiol 1989; **40:** 457
Wilkins RA; Spinks BC: double blind clinical study comparing the safety, tolerance and efficacy of ioversol 240 and iohexol 240 (Omnipaque 240) in ascending venography, Clin Radiol 1990; **41:** 268
Wilkins RA; Whittington JR; Brigden GS; et al: safety and pharmacokinetics of ioversol in healthy volunteers, Invest Radiol 1989; **24:** 781
Wilkinson AA See Beck ME
Wilkinson AG; Mackenzie S; Hendry GMA: case report: complete laryngotracheoesophageal cleft: CT diagnosis and associated abnormalities, Clin Radiol 1990; **41:** 437
Wilkinson AG; Sellar RJ: case report: cerebral metastases from choriocarcinoma in the absence of detectable extracranial disease, Clin Radiol 1991; **43:** 278
Wilkinson AH Jr See Wismer GL
Wilkinson EJ See O'Neil JD
Wilkinson ID See Shah NJ
Wilkinson JM See Hounsell AR
Wilkinson JM; Ramachandran TP: ICRU recommendations for reporting intracavitary therapy in gynaecology and the Manchester method of treating cancer of the cervix uteri, Br J Radiol 1989; **62:** 362
Wilkinson LA See White RI Jr
Wilkinson MR See Knox AM
Wilkinson R See Weissleder R
Wilkinson RH Jr See Dunnick NR
Wilkinson RH Jr See Tribble KA
Will AD See Smith DC
Willekes CL See Yuh WTC
Willem R See Jans AWH
Willem de Ridder J See van Genderingen HR
Willemse APP; Coppes MJ; Feldberg MAM; et al: magnetic resonance appearance of adrenal hemorrhage in a neonate, Pediatr Radiol 1989; **19:** 210
Willemse K See van der Knaap MS
Willemze R See Tjon A Tham RTO
Willén H See Herrlin K
Willens BA See Morin ME
Willgress ER; Camponovo EJ; Kistler AM; et al: spontaneous reduction of testicular torsion during scrotal imaging, Clin Nucl Med 1989; **14:** 540
Willi U; Atares M; Prader A; et al: testicular adrenal-like tissue (TALT) in congenital adrenal hyperplasia: detection by ultrasonography, Pediatr Radiol 1991; **21:** 284
William DC See Memel DS
Williams AL See Breger RK
Williams AL See Daniels DL
Williams AL See Kieffer SA
Williams AR See Miller DL
Williams AR: EFSUMB position, Ultrasound Med Biol 1989; **15:** 581
Williams AR; Delius M; Miller DL; et al: investigation of cavitation in flowing media by lithotripter shock waves both *in vitro* and *in vivo*, Ultrasound Med Biol 1989; **15:** 53
Williams C See Moss CS
Williams CA See Richards DS
Williams CB See Lipson A
Williams CC See Maxon HR III
Williams CE See Evans SE
Williams CE See Smith SR
Williams CE; Lamb GHR; Lewis-Jones HG: pelvic actinomycosis: beware the intrauterine contraceptive device, Br J Radiol 1990; **63:** 134
Williams CE; Lamb GHR; Roberts D; et al: venous thrombosis in the neck: the role of real time ultrasound, Eur J Radiol 1989; **9:** 32
Williams CM See Akins EW
Williams CR See Littrup PJ
Williams CR; Nilakhe V; Clouse ME: acute aortic occlusion as a late complication of coarctation repair, Cardiovasc Intervent Radiol 1989; **12:** 286
Williams D See Eary JF
Williams DM See Andrews JC
Williams DM See Chenevert TL
Williams DM See Cho KJ
Williams DM See Marn CS
Williams DM See Marx MV
Williams DM: intraarterial secretin injection for gastrinoma localization, Radiology 1990; **174:** 9
Williams DM; Bland P; Liu L; et al: liver-tumor boundary detection: human observer vs computer edge detection, Invest Radiol 1989; **24:** 768
Williams DM; Brothers TE; Messina LM: relief of mesenteric ischemia in type III aortic dissection with percutaneous fenestration of the aortic septum, Radiology 1990; **174:** 450
Williams DM; Fencil L; Chenevert TL: peripheral arterial occlusive disease: P-31 MR spectroscopy of calf muscle, Radiology 1990; **175:** 381
Williams DM; Kirsh MM; Abrams GD: penetrating atherosclerotic aortic ulcer with dissecting hematoma: control of bleeding with percutaneous embolization, Radiology 1991; **181:** 85
Williams DW III See Elster AD
Williams DW III See Richardson DN

Williams DW III; Elster AD: cranial MR imaging in hypomelanosis of Ito, JCAT 1990; **14:** 981
Williams DW III; Elster AD; Cox TD: cranial MR imaging in rhizomelic chondrodysplasia punctata, AJNR 1991; **12:** 363
Williams DW III; Elster AD; Kramer SI: neurosarcoidosis: gadolinium-enhanced MR imaging, JCAT 1990; **14:** 704
Williams GD; Rossleigh M; Rosenberg AR; et al: abnormal cortical appearances in pediatric renal allografts, J Nucl Med 1991; **32:** 1542
Williams GM See **Perler BA**
Williams GM: invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, JVIR 1991; **2:** 356
Williams GM; Perler BA; Burdick JF; et al: angiographic localization of spinal cord blood supply and its relationship to postoperative paraplegia, (ab), Radiology 1991; **180:** 295
Williams HJ See **Peine CJ**
Williams HJ Jr See **Sorkey AJ**
Williams HJ Jr; Bender CE; LeRoy AJ: dissolution of cholesterol gallstones using methyl tert-butyl ether, Cardiovasc Intervent Radiol 1990; **13:** 272
Williams HT See **Wegener WA**
Williams HT: multicentric giant cell tumor of bone, Clin Nucl Med 1989; **14:** 631
Williams J See **Slessinger E**
Williams JA; Edwards JA; Wessels BW; et al: targeting and therapy of human glioma xenografts *in vivo* using radiolabeled antibodies, Int J Radiat Oncol Biol Phys 1990; **19:** 633
Williams JA; Wessels BW; Wharam MD; et al: targeting of human glioma xenografts *in vivo* utilizing radiolabeled antibodies, Int J Radiat Oncol Biol Phys 1990; **18:** 1367
Williams JAR See **Parker GD**
Williams JD See **Hyde I**
Williams JE See **Page JE**
Williams JE See **Spies JB**
Williams JG See **Etherington RJ**
Williams JH Jr See **Packer SJ**
Williams JH Jr; Wilson AF; Moser KM: is lung sequestration of indium-111-labeled granulocytes organ specific?, J Nucl Med 1989; **30:** 1531
Williams JL See **Thomas IT**
Williams JL: assessing the skeletal maturity of the hand-wrist: Fels method, Radiology 1989; **173:** 196
Williams JL: atlas of fetal skeletal radiology, Radiology 1989; **173:** 674
Williams JP See **Harp DL**
Williams JP See **Williams RS**
Williams JW; Collins MC: case of the month: a Chinese puzzle, Br J Radiol 1990; **63:** 367
Williams JW; Monaghan D; Barrington NA: craniofacial melorheostosis: case report and review of the literature, Br J Radiol 1991; **64:** 60
Williams JW; Powell T: epidural abscess of the cervical spine: case report and literature review, Br J Radiol 1990; **63:** 576
Williams KD See **Keller PJ**
Williams KD See **Liu SS**
Williams KD; Dean B; Drayer BP: demonstration of the area postrema with contrast-enhanced MR, AJNR 1990; **11:** 733
Williams KD; Drayer BP; Johnsen SD; et al: MR imaging of leukoencephalopathy associated with Navajo neuropathy, AJNR 1990; **11:** 400
Williams LE See **Wong JYC**
Williams LE; Wong JYC; Findley DO; et al: measurement and estimation of organ Bremsstrahlung radiation dose, J Nucl Med 1989; **30:** 1373
Williams MP See **Charig MJ**
Williams MP See **Husband JES**
Williams MP See **MacVicar D**
Williams MP See **Olliff JFC**
Williams MP See **Tilley E**
Williams MP: problems in radiology: CT assessment of the thymus, Clin Radiol 1989; **40:** 113
Williams MP; Cherryman GR; Husband JE: magnetic resonance imaging in suspected metastatic spinal cord compression, Clin Radiol 1989; **40:** 286
Williams MP; Cherryman GR; Husband JE: significance of thoracic disc herniation demonstrated by MR imaging, JCAT 1989; **13:** 211
Williams MP; Cook JV; Duchesne GM: psoas nodes—an overlooked site of metastasis from testicular tumours, Clin Radiol 1989; **40:** 607
Williams MP; Husband JE: computed tomography scanning and post-lymphangiogram radiography in the follow-up of patients with metastatic testicular cancer, Clin Radiol 1989; **40:** 47
Williams MP; Husband JE; Heron CW; et al: magnetic resonance imaging in recurrent carcinoma of the cervix, Br J Radiol 1989; **62:** 544
Williams MP; Olliff JFC: case report: computed tomography and magnetic resonance imaging of dilated lumbar lymphatic trunks, Clin Radiol 1989; **40:** 321
Williams MP; Olliff JFC: magnetic resonance imaging in extranodal pelvic lymphoma, Clin Radiol 1990; **42:** 264
Williams MP; Olliff JFC; Rowley MR: CT and MR findings in parameningeal leukaemic masses, JCAT 1990; **14:** 736
Williams MV See **Huddart R**
Williams MV See **Reed DH**
Williams R See **Raby N**
Williams RD See **Nelson DR**
Williams RG See **Gomes AS**
Williams RG See **Truwit CL**
Williams RH See **Cigarroa RG**
Williams RP See **Adler LP**
Williams RS; Williams JP; Davis MR; et al: primary hypothyroidism with pituitary hyperplasia and basal ganglia calcifications, Clin Imag 1990; **14:** 330
Williams SCR; Horsfield MA; Hall LD: true water and fat MR imaging with use of multiple-echo acquisition, Radiology 1989; **173:** 249
Williams SK See **Randall PA**
Williams SR See **Bates TE**
Williams W See **Bocchini T**
Williams W See **Dunseath R**
Williams W; Bocchini T; McNeill G; et al: extrinsic compression of an iliac vein mimicking inferior vena cava obstruction, Clin Nucl Med 1990; **14:** 689
Williams WG See **Burrows PE**
Williams WG See **Pinzon JL**
Williams WH See **McNeill GC**
Williamson B Jr See **King BF**
Williamson BRJ See **Gay SB**
Williamson BRJ See **Hurst RW**
Williamson BRJ; Sistrom CL: femoral and acetabular photopenia associated with septic hip arthritis, Clin Nucl Med 1991; **16:** 52
Williamson BRJ; Teates CD; Phillips CD; et al: computed tomography as a diagnostic aid in diabetic and other problem feet, Clin Imag 1989; **13:** 159
Williamson HO See **Chung CJ**
Williamson JF: dose calculations about shielded gynecological colpostats, Int J Radiat Oncol Biol Phys 1990; **19:** 167
Williamson JF: radiation transport calculations in treatment planning, Comput Med Imag Graph 1989; **13:** 251
Williamson MR See **Archibeque F**
Williamson MR See **Boyd CM**
Williamson MR See **Rosenberg R**
Williamson MR See **Shah HR**
Williamson MR; Archibeque F; Eisenberg B; et al: Tc-99m pyrophosphate localization in chest wall muscles after bench pressing, Clin Nucl Med 1989; **14:** 546
Williamson MR; Boyd CM; Williamson SL: osteoporosis: diagnosis by plain chest film versus dual photon bone densitometry, Skeletal Radiol 1990; **19:** 27
Williamson MR; Eidson M; Rosenberg RD; Williamson SL: eosinophilia-myalgia syndrome: findings on chest radiographs in 18 patients, Radiology 1991; **180:** 849
Williamson MR; Glasier CM; Chadduck WM; et al: MRI in the evaluation of spina bifida patients in the remote period after meningomyelocele repair, Pediatr Radiol 1989; **19:** 442
Williamson MR; Rosenberg RD; Davis M; et al: hematobilia causing complete biliary obstruction on Tc-99m DISIDA scan, Clin Nucl Med 1990; **15:** 583
Williamson MR; Shah HR; Harper RR; et al: CT of emphysematous gastritis, Comput Med Imag Graph 1989; **13:** 175
Williamson SL See **Glasier CM**
Williamson SL See **Seibert JJ**
Williamson SL See **Williamson MR**
Williamson SL; Clericuzio CL: review of radiologic and clinical findings in the recombinant 8 syndrome, Pediatr Radiol 1991; **21:** 125
Williamson SL; Seibert JJ; Glasier CM; et al: ultrasound in advanced pediatric osteomyelitis: a report of 5 cases, Pediatr Radiol 1991; **21:** 288
Willich H See **Lindner H**
Willich N See **Clemm C**
Willing SJ: epidural pneumatosis: a benign entity in trauma patients, AJNR 1991; **12:** 345
Willing SJ; Fanizza-Orphanos A; Thomas HA: mycotic aneurysm of the abdominal aorta: diagnosis by duplex sonography, J Ultrasound Med 1989; **8:** 527
Willing SJ; Pursell SH; Koch SR; et al: vaginal reconstruction with rectus abdominis myocutaneous flap: CT findings, AJR 1991; **156:** 1001
Willingham V See **Nishiguchi I**
Willinsky RA; Lasjaunias P; Terbrugge K; et al: angiography in the investigation of spinal dural arteriovenous fistula: a protocol with application of the venous phase, Neuroradiol 1990; **32:** 114
Willinsky RA; Lasjaunias P; Terbrugge K; et al: multiple cerebral arteriovenous malformations (AVMs): review of our experience from 203 patients with cerebral vascular lesions, Neuroradiol 1990; **32:** 207
Willis JJ See **Genez BM**
Willis RJ See **Headrick JP**
Willmes K See **Ley-Pozo J**
Willoughby L See **Yarlagadda P**
Willy M See **Henderson DK**
Wilmanns C See **Murray JL**
Wilmink JT: CT morphology of intrathecal lumbosacral nerve-root compression, AJNR 1989; **10:** 233
Wilmot DM See **Greyson ND**
Wilmot DM See **Manson D**
Wilmot JE See **Greyson ND**
Wilms G See **Baert AL**
Wilms G See **Demaerel P**
Wilms G See **Marchal G**
Wilms G See **Peene P**
Wilms G: unilateral double carotid cavernous fistula treated with detachable balloons, AJNR 1990; **11:** 517
Wilms G; Casaer P; Alliet P; et al: cerebrovascular occlusive complications in osteopetrosis major, Neuroradiol 1990; **32:** 511
Wilms G; Casselman J; Demaerel P; et al: CT and MRI of ruptured intracranial dermoids, Neuroradiol 1991; **33:** 149
Wilms G; Demaerel P; Marchal G; et al: gadolinium-enhanced MR imaging of cerebral venous angiomas with emphasis on their drainage, JCAT 1991; **15:** 199
Wilms G; Lammens M; Marchal G; et al: prominent dural enhancement adjacent to nonmeningiomatous malignant lesions on contrast-enhanced MR images, AJNR 1991; **12:** 761
Wilms G; Lammens M; Marchal G; et al: thickening of dura surrounding meningiomas: MR features, JCAT 1989; **13:** 763
Wilms G; Marchal G; Kersschot E; et al: axial vs sagittal T2-weighted brain MR images in the evaluation of multiple sclerosis, JCAT 1991; **15:** 359
Wilms G; Marchal G; Van Fraeyenhoven L; et al: shortcomings and pitfalls of ocular MRI, Neuroradiol 1991; **33:** 320
Wilms G; Marchal G; Van Fraeyenhoven L; et al: unilateral moya-moya disease: MRI findings, Neuroradiol 1989; **31:** 442
Wilms G; Marchal G; Van Hecke P; et al: cerebral venous angiomas: MR imaging at 1.5 Tesla, Neuroradiol 1990; **32:** 81
Wilms G; Marchal G; Van Hecke P; et al: colloid cysts of the third ventricle: MR findings, JCAT 1990; **14:** 527
Wilms G; Oyen R; Claes L; et al: glans ischemia after penis revascularization: therapeutic embolization, Cardiovasc Intervent Radiol 1990; **13:** 304
Wilms G; Pauwels P; Peene P; et al: percutaneous transluminal atherectomy: preliminary results, Cardiovasc Intervent Radiol 1990; **13:** 18
Wilms G; Plets C; Marchal G; et al: simultaneous occurrence of epidermoid and dermoid cysts in the posterior fossa: CT and MR findings, AJNR 1990; **11:** 1257
Wilms GE; Baert AL; Amery AK; Staessen JA; Vermylen JG: short-term morphologic results of percutaneous transluminal renal angioplasty as determined with angiography, Radiology 1989; **170:** 1019
Wilms GE; Peene PT; Baert AL; Nevelsteen AA; Suy RM; Verhaeghe RH; Vermylen JG; Fagard RH: renal artery stent placement with use of the Wallstent endoprosthesis, Radiology 1991; **179:** 457
Wilner HI See **Kelly JK**
Wilner HI See **Metes JJ**
Wilner HI See **Ramanauskas WL**
Wilson AF See **Williams JH Jr**
Wilson AG See **Page JE**
Wilson AG See **Ward CS**
Wilson AJ See **Evill CA**
Wilson AJ See **Whisson CC**
Wilson AJ; Gilula LA; Mann FA: unidirectional joint communications in wrist arthrography: an evaluation of 250 cases, AJR 1991; **157:** 105
Wilson AJ; Kyriakos M; Ackerman LV: chondromyxoid fibroma: radiographic appearance in 38 cases and in a review of the literature, Radiology 1991; **179:** 513
Wilson AJ; Mann FA; Murphy WA Jr; et al: photostimulable phosphor digital radiography of the extremities: diagnostic accuracy compared with conventional radiography, AJR 1991; **157:** 533
Wilson AJ; Murphy WA Jr; Destouet JM; et al: ascending lower limb phlebography: comparison of ioversol and iothalamate meglumine, J Canad Assoc Radiol 1989; **40:** 142
Wilson AJ; Totty WG; Murphy WA Jr; Hardy DC: shoulder joint: arthrographic CT and long-term follow-up, with surgical correlation, Radiology 1989; **173:** 329

Wilson AJ; Wilcox J; Evill CA; et al: effect of contrast medium viscosity on the blood-brain barrier after intracarotid injection in the rabbit, AJNR 1989; **10:** 129
Wilson AR See **Locker AP**
Wilson ARM; Wastie ML; Preston BJ; et al: acquired coronal cleft vertebra, Clin Radiol 1989; **40:** 167
Wilson BPM See **Sargent MA**
Wilson BS See **Glazer HS**
Wilson CL See **Duckwiler GR**
Wilson CL See **Zhang J**
Wilson CR; Collier BD; Carrera GF; Jacobson DR: acronym for dual-energy x-ray absorptiometry, Radiology 1990; **176:** 875
Wilson DA; Nitschke R; Bowman ME; Chaffin MJ; Sexauer CL; Prince JR: transient white matter changes on MR images in children undergoing chemotherapy for acute lymphocytic leukemia: correlation with neuropsychologic deficiencies, Radiology 1991; **180:** 205
Wilson DA; Prince JR: MR imaging determination of the location of the normal conus medullaris throughout childhood, AJNR 1989; **10:** 259
Wilson DG; Winkler SS: incidence of spontaneous ultrasonic contrast in abdominal aortic aneurysms, Invest Radiol 1989; **24:** 479
Wilson DJ: ultrasonic imaging of soft tissues, Clin Radiol 1989; **40:** 341
Wilson FMA See **McConachie NS**
Wilson FMA; Jaspan T: case report: thoracic spinal cord compression caused by diffuse idiopathic skeletal hyperostosis (DISH), Clin Radiol 1990; **42:** 133
Wilson FMA; Jaspan T; Holland IM: multiple cerebral aneurysms—a reappraisal, Neuroradiol 1989; **31:** 232
Wilson GA See **Arad E**
Wilson GF See **Tung KT**
Wilson JF See **Moulder JE**
Wilson JL See **Coughlin WF**
Wilson JL See **Shiels WE II**
Wilson LS; Dadd MJ; Gill RW: automatic vessel tracking and measurement for Doppler studies, Ultrasound Med Biol 1990; **16:** 645
Wilson MA See **Mehta RC**
Wilson ME See **Shortsleeve MJ**
Wilson MH See **Bahia JO**
Wilson MW See **Malinoff HL**
Wilson MW See **Mountz JM**
Wilson MW; Mountz JM: reference system for neuroanatomical localization on functional reconstructed cerebral images, JCAT 1989; **13:** 174
Wilson MW; Webb RC; Marx MV; et al: intravascular ultrasound imaging of vascular responsiveness in isolated perfused canine arteries, Invest Radiol 1991; **26:** 248
Wilson NV; Corne JM; Given-Wilson RM: critical appraisal of coagulation studies prior to transfemoral angiography, Br J Radiol 1990; **63:** 147
Wilson P; Chumas P; van der Walt JD: case report: solitary plasmacytoma of the frontal bone, Clin Radiol 1990; **42:** 289
Wilson PR See **Baran GW**
Wilson RA See **Nelson CW**
Wilson RA See **Perlmutter NS**
Wilson RE; Sutherland RM: enhanced synthesis of specific proteins, RNA, and DNA caused by hypoxia and reoxygenation, Int J Radiat Oncol Biol Phys 1989; **16:** 957
Wilson RF See **Boudreau RJ**
Wilson RF: textbook of interventional cardiology, Radiology 1990; **176:** 516
Wilson SD See **Krubsack AJ**
Wilson SE; Wolf GL; Cross AP; et al: percutaneous transluminal angioplasty versus operation for peripheral arteriosclerosis: report of a prospective randomized trial in a selected group of patients, (ab), Radiology 1989; **172:** 886
Wilson SR See **Downey DB**
Wilson SR See **Hine AL**
Wilson SR See **Spouge AR**
Wilson SR See **Tennenhouse JE**
Wilson SR See **Turnbull DH**
Wilson SR; Toi A: sonography accurately detects biliary obstruction in patients with surgically created biliary-enteric anastomosis, AJR 1990; **155:** 789
Wilson SR; Toi A: value of sonography in the diagnosis of acute diverticulitis of the colon, AJR 1990; **154:** 1199
Wilson TE; Korobkin M; Francis IR: pancreatic plasmacytoma: CT findings, AJR 1989; **152:** 1227
Wilson TO See **Lentz SS**
Wilson WG See **Langer LO Jr**
Wilson WR; Anderson RF: reaction between nitracrine and glutathione: implications for hypoxic cell radiosensitization and cytotoxicity, Int J Radiat Oncol Biol Phys 1989; **16:** 1001
Wimberger D See **Prayer L**
Winalski CS See **Jaramillo D**
Winalski CS See **Klein MA**
Winalski CS; Lipman JC; Tumeh SS: ureteral neoplasms, Radiographics 1990; **10:** 271
Winawer SJ See **Botet JF**
Winchester P See **Brill PW**
Winchester P See **Levin TL**
Winchester P See **Stern E**
Windham JP See **Haggar AM**
Winer EP See **Brizel DM**
Winer JB; Pires M; Kermode A; et al: resolving MRI abnormalities with progression of subacute sclerosing panencephalitis, Neuroradiol 1991; **33:** 178
Winer-Muram HT; Gavant ML: pulmonary CT findings in Behcet disease, JCAT 1989; **13:** 346
Winer-Muram HT; Gold RE: effusion in the superior pericardial recess simulating a mediastinal mass, AJR 1990; **154:** 69
Winer-Muram HT; Rubin SA: pet-associated lung diseases, J Thorac Imag 1991; **6-3:** 14
Winer-Muram HT; Rubin SA: thoracic complications of tuberculosis, J Thorac Imag 1990; **5-2:** 46
Winer-Muram HT; Tonkin ILD: spectrum of heterotaxic syndromes, Radiol Clin North Am 1989; **27:** 1147
Winer-Muram HT; Tonkin ILD; Gold RE: polysplenia syndrome in the asymptomatic adult: computed tomography evaluation, J Thorac Imag 1991; **6-2:** 69
Winfield AC See **Eisenberg AD**
Winfield AC See **Moore DE**
Winfield AC See **Worrell JA**
Winfield DF See **Black RR**
Wingstrand H See **Egund N**
Winkler J See **Becker GM**
Winkler ML; Thoeni RF; Luh N; Kaufman L; Margulis AR: hepatic neoplasia: breath-hold MR imaging, Radiology 1989; **170:** 801
Winkler P; Helmke K: duplex-scanning of the deep venous drainage in the evaluation of blood flow velocity of the cerebral vascular system in infants, Pediatr Radiol 1989; **19:** 79
Winkler P; Helmke K: major pitfalls in Doppler investigations with particular reference to the cerebral vascular system: part I. sources of error, resulting pitfalls and measures to prevent errors, Pediatr Radiol 1990; **20:** 219
Winkler P; Helmke K; Mahl M: major pitfalls in Doppler investigations: part II. low flow velocities and color Doppler applications, Pediatr Radiol 1990; **20:** 304
Winkler SS See **Wilson DG**
Winkler SS: sodium-23 magnetic resonance brain imaging, Neuroradiol 1990; **32:** 416
Winkler SS; Thomasson DM; Sherwood K; et al: regional T2 and sodium concentration estimates in the normal human brain by sodium-23 MR imaging at 1.5 T, JCAT 1989; **13:** 561
Winokur T See **Unger EC**
Winsberg F See **Shapiro RS**
Winsberg F; Mitty HA; Shapiro RS; Yeh H-C: use of an acoustic transponder for US visualization of biopsy needles, Radiology 1991; **180:** 877
Winslade WJ See **Schreiber MH**
Winter DDB; Munk PL; Helms CA; et al: CT and MR of lateral disc herniation: typical appearance and pitfalls of interpretation, J Canad Assoc Radiol 1989; **40:** 256
Winter LHL See **Chakraborty DP**
Winter RK See **Cox JGC**
Winter RK; Hourihan MD; McKnight LG; et al: bilateral giant intracavernous carotid aneurysms in a 16-year-old boy, Neuroradiol 1989; **31:** 284
Winter RK; McKnight LG; Byrne RA; et al: diastematomyelia: prenatal ultrasonic appearances, Clin Radiol 1989; **40:** 291
Winterhoff R See **Gmelin E**
Winters C Jr; Spurling TJ; Chobanian SJ; et al: Barrett's esophagus: a prevalent, occult complication of gastroesophageal reflux disease, (ab), Radiology 1989; **170:** 899
Winters WD See **Hoffer FA**
Winters WD; Lebowitz RL: importance of prenatal detection of hydronephrosis of the upper pole, AJR 1990; **155:** 125
Winther J See **Horsman MR**
Wintzell EC See **Green WJ**
Wiot JG See **Gaskill MF**
Wiot JG; Lukin RR; Tomsick TA: xanthogranuloma of the third ventricle, AJNR 1989; **10:** 557
Wiot JG; Pleatman CW: chronic hematic cysts of the orbit, AJNR 1989; **10:** 537
Wippold FJ II; Gado MH; Morris JC; Duchek JM; Grant EA: senile dementia and healthy aging: a longitudinal CT study, Radiology 1991; **179:** 215
Wira R See **Hawes D**
Wirell S See **Hietala S-O**
Wirell S See **Sunnegårdh O**
Wirsén A See **Maeder P**
Wirth A See **Schneider S**
Wirth CZ See **Tuckman G**
Wirth R See **Blankenberg F**
Wirth RL See **Bergin CJ**
Wise BJ See **Jelinek JS**
Wise GJ See **Frank RG**
Wise S See **Gleeson K**
Wiseman DA; Short WB; Pattinson HA; Taylor PJ; Nicholson SF; Elliott PD; Fleetham JA; Mortimer ST: oocyte retrieval in an in vitro fertilization–embryo transfer program: comparison of four methods, Radiology 1989; **173:** 99
Wishnow KI: endovesical ultrasonography of urachal carcinoma, Urol Radiol 1989; **11:** 53
Wishnow KI; Dmochowski R: pelvic recurrence after radical cystectomy without preoperative radiation, (ab), Radiology 1989; **170:** 584
Wismer GL See **Mikulis DJ**
Wismer GL: circle of Willis variant analogous to fetal type primitive trigeminal artery, Neuroradiol 1989; **31:** 366
Wismer GL; Wilkinson AH Jr; Goldstein JD: cystic temporofacial brain heterotopia, AJNR 1989; **10:** S32
Wisner DH; Chun Y; Blaisdell FW: blunt intestinal injury: keys to diagnosis and management, (ab), Radiology 1991; **179:** 291
Wisneski JA; Gertz EW; Dahlgren M; et al: comparison of low osmolality ionic (ioxaglate) versus nonionic (iopamidol) contrast media in cardiac angiography, (ab), Radiology 1989; **173:** 586
Wisniewski F See **Khouri MR**
Wisniewski R See **Olson MC**
Wisniewski RA See **Posniak HV**
Wisniewski ZS See **Glancy JJ**
Wissing JR See **Wahl RL**
Wiswell TE; Bley JA; Turner BS; et al: different high-frequency ventilator strategies: effect on the propagation of tracheobronchial histopathologic changes, (ab), Radiology 1990; **176:** 592
Wiswell TE; Tuggle JM; Turner BS: meconium aspiration syndrome: have we made a difference?, (ab), Radiology 1990; **177:** 598
Witcofski RL See **Maynard CD**
Withers BF See **Ducatman AM**
Withers BF; Ducatman AM; Yang WN: roentgenographic evidence for predominant left-sided location of unilateral pleural plaques, (ab), Radiology 1990; **174:** 290
Withers CE See **Towers MJ**
Withers CE; Gosink BB; Keightley AM; et al: duplex carotid sonography: peak systolic velocity in quantifying internal carotid artery stenosis, J Ultrasound Med 1990; **9:** 345
Withers HR See **Maciejewski B**
Withers HR See **Vegesna V**
Withrow SJ See **Thrall DE**
Witlin LA See **Goldberg BB**
Witt MA; Goldstein I; Saenz de Tejada I; et al: traumatic laceration of intracavernosal arteries: the pathophysiology of nonischemic, high flow, arterial priapism, (ab), Radiology 1990; **176:** 590
Witt RM See **Burt RW**
Witt WS See **Helms CA**
Witte CL See **McNeill GC**
Witte G See **Spielmann RP**
Witte MH See **McNeill GC**
Witte MH; Fiala M; McNeill GC; et al: lymphangiocintigraphy in AIDS-associated Kaposi sarcoma, AJR 1990; **155:** 311
Witte RJ See **Hahn FJ**
Witte RJ; Gurney JW; Robbins RA; et al: diffuse pulmonary alveolar hemorrhage after bone marrow transplantation: radiographic findings in 39 patients, AJR 1991; **157:** 461
Witteman JCM; Kannel WB; Wolf PA; et al: aortic calcified plaques and cardiovascular disease (the Framingham Study), (ab), Radiology 1991; **180:** 295
Wittenberg J See **Egglin TK**
Wittenberg J See **Lee AS**
Wittenberg J See **Reimer P**
Wittenberg J See **Rummeny E**
Wittenberg J See **Saini S**
Wittenberg J See **Senéterre E**
Wittenberg J See **Thrall JH**
Wittenberg J See **Warshaw AL**
Wittenberg J See **Weissleder R**
Wittich G See **Dock W**
Wittich GR See **Jantsch H**
Wittich GR See **Mostbeck GH**
Wittich GR See **Terasaki K**
Wittich GR See **vanSonnenberg E**
Wittmann BK See **Lessoway VA**
Witz E See **Peer A**
Witzke DB See **Hillman BJ**
Witzmann A; Hammer B; Fischer J: free sequestered disc herniation at the S2 level misdiagnosed as neuroma, Neuroradiol 1991; **33:** 92
Wiznitzer M See **Lewin JS**
Wiznitzer M See **Masaryk TJ**
Wiznitzer M; Ruggieri PM; Masaryk TJ; et al: diagnosis of cerebrovascular disease in sickle cell anemia by magnetic resonance angiography, (ab), Radiology 1991; **180:** 592

Wladimiroff JW See **Cohen-Overbeek TE**
Wladimiroff JW See **Pijlman BM**
Wladimiroff JW See **Reuss A**
Wobbes T See **Tinnemans JGM**
Woda B See **Malatskey A**
Wofsy C See **Brann BS IV**
Wohl MEB See **Griscom NT**
Wohlgemuth SD See **Vingan HL**
Wohlmuth DA See **Kram HB**
Woisard KK See **Johnson JF**
Wojtasek DA; Codner MA; Nowak EJ: CT diagnosis of cecal herniation through the foramen of Winslow, Gastrointest Radiol 1991; **16:** 77
Wojtasek DA; Teixidor HS: echinococcal hepatic disease: magnetic resonance appearance, Gastrointest Radiol 1989; **14:** 158
Wojtasek DA; Teixidor HS; Govoni AF; et al: diagnostic quality of mammograms obtained with a new low-radiation-dose dual-screen and dual-emulsion film combination, AJR 1990; **154:** 265
Wojtowicz CH See **Spies WG**
Wojtowycz M See **Carlson P**
Wojtowycz M See **Crummy AB**
Wojtowycz M See **Hasson JE**
Wojtowycz M: magnetresonanztomographie bei aseptischer osteonekrose des femurkopfes (MR imaging of aseptic necrosis of the hip), Radiology 1991; **181:** 8
Wolbarsht LB See **Weinreb JC**
Wolbarst AB See **Lyman JT**
Wolber R See **Rawat B**
Woldenberg LS See **Coombs RJ**
Woldring VM See **van Dam FJ**
Wolf A See **Heywang SH**
Wolf AL See **Meyer CA**
Wolf AL See **Mirvis SE**
Wolf BC See **Sheahan K**
Wolf BHM See **Westra SJ**
Wolf CD See **Krishnan L**
Wolf CR See **Runge VM**
Wolf CR See **Walton MI**
Wolf GC; Kopecky KK: MR imaging of endometriosis arising in cesarean section scar, JCAT 1989; **13:** 150
Wolf GL See **Brasch RC**
Wolf GL See **Davis PL**
Wolf GL See **Wilson SE**
Wolf GL: current status of MR imaging contrast agents: special report, Radiology 1989; **172:** 709
Wolf GL: poor quality of clinical research in radiology: another indictment, Radiology 1989; **170:** 311
Wolf GL; Arenson RL; Cross AP: prospective trial of ionic vs nonionic contrast agents in routine clinical practice: comparison of adverse effects, AJR 1989; **152:** 939
Wolf GL; Davis PL; Daly PF: relative and absolute tissue perfusion measured with magnetic resonance contrast agents, Invest Radiol 1990; **25:** S42
Wolf GL; Mishkin MM; Roux SG; et al: comparison of the rates of adverse drug reactions: ionic contrast agents, ionic agents combined with steroids, and nonionic agents, Invest Radiol 1991; **26:** 404
Wolf GL; Silvay-Mandeau O: adverse reactions to intravenous contrast media in routine clinical practice, Invest Radiol 1990; **25:** S20
Wolf HRD See **Strecker E-P**
Wolf J See **Reeder JD**
Wolf K-J See **Hricak H**
Wolf K-J See **König H**
Wolf M; Ziegengeist S; Michalik M; et al: classification of brain tumours by CT-image Walsh spectra, Neuroradiol 1990; **32:** 464
Wolf PA See **Witteman JCM**
Wolf SI See **Lin MC**
Wolf SI; Gosink BB; Feldesman MR; Lin MC; Stuenkel CA; Braly PS; Pretorius DH: prevalence of simple adnexal cysts in postmenopausal women, Radiology 1991; **180:** 65
Wolf W See **Subramanian KM**
Wolfe C See **Saeed M**
Wolfe CL See **Auffermann W**
Wolfe CL See **Schmiedl U**
Wolfe CL See **Sievers RE**
Wolfe DM See **Kelsey CA**
Wolfe E See **Kotzerke J**
Wolfe F See **Sharp JT**
Wolfe H See **Straub WH**
Wolfe RD See **Farley TE**
Wolfensberger M See **Kikinis R**
Wolferth CC See **Teplick SK**
Wolff H See **Lüning M**
Wolff KA; Herold CJ; Tempany CM; Parravano JG; Zerhouni EA: aortic dissection: atypical patterns seen at MR imaging, Radiology 1991; **181:** 489
Wolff SD See **Fralix TA**
Wolff SD; Balaban RS: magnetization transfer contrast (MTC) and tissue water proton relaxation *in vivo*, Magn Res Med 1989; **10:** 135
Wolff SD; Chesnick S; Frank JA; Lim KO; Balaban RS: magnetization transfer contrast: MR imaging of the knee, Radiology 1991; **179:** 623
Wolff SD; Eng J; Balaban RS: magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Radiology 1991; **179:** 133
Wolfkiel CJ See **Pietras RJ**
Wolfman NT See **Bechtold RE**
Wolfman NT See **Chen YM**
Wolfman NT See **Zagoria RJ**
Wolford JL See **Reed EC**
Wolfsen HC; Kozarek RA; Ball TJ; et al: tube dysfunction following percutaneous endoscopic gastrostomy and jejunostomy, (ab), JVIR 1990; **1:** 139
Wolfson BJ; Allen JL; Panitch HB; et al: lipid aspiration pneumonia due to gastroesophageal reflux: a complication of nasogastric lipid feedings, Pediatr Radiol 1989; **19:** 545
Wolfson BJ; McAllister JP II; Lovely TJ; et al: sonographic evaluation of experimental hydrocephalus in kittens, AJNR 1989; **10:** 1065
Wolfson N See **Zinman C**
Wolfson PJ See **Mitchell DG**
Wolk SW See **Hallett JW Jr**
Wolkowicz PE See **Bouchard A**
Wollin M See **Ryoo MC**
Wollner I See **Andrews JC**
Wolner-Hanssen P See **Patten RM**
Wolpe FM; Chandarlapaty SKC; Jacobi JD; et al: gallium uptake in a paraplegic patient with bilateral lower extremity fat necrosis, Clin Nucl Med 1989; **14:** 930
Wolpert SM See **Caplan LR**
Wolpert SM See **Clayman DA**
Wolpert SM See **Outwater EK**
Wolpert SM See **Robertson SJ**
Wolpert SM See **Segall HD**
Wolverson MK See **George EA**
Wolverson MK See **Malpani A**
Wolverson MK See **Patel B**
Wolverson MK See **Salimi Z**
Won M See **Lanciano RM**
Wondergem J See **Bloem JL**
Wondergem J; Bulger RE; Siddik ZH; et al: comparison of thermal enhancement of cis-diamminedichloroplatinum (II) induced renal and intestinal toxicities by whole body hyperthermia in the rat, Int J Radiat Oncol Biol Phys 1989; **16:** 1551
Wondergem JHM See **Guit GL**
Wondergem JHM See **Vogel HJP**
Wong A See **Chan A**
Wong AD; Cooperberg PL; Ross WH; Araki DN: differentiation of detached retina and vitreous membrane with color flow Doppler, Radiology 1991; **178:** 429
Wong C See **Karlik SJ**
Wong CJ See **Sykes HF**
Wong C-K; Cheng C-H; Lau C-P; et al: congenital coronary artery anomalies in Noonan's syndrome, (ab), Radiology 1990; **176:** 883
Wong CS; Ang KK; Fletcher GH; et al: definitive radiotherapy for squamous cell carcinoma of the tonsillar fossa, Int J Radiat Oncol Biol Phys 1989; **16:** 657
Wong EC; Jesmanowicz A; Hyde JS: high-resolution, short echo time MR imaging of the fingers and wrist with a local gradient coil, Radiology 1991; **181:** 393
Wong F; Bhimji S: usefulness of ultrasonography in intracavity radiotherapy using selectron applicators, Int J Radiat Oncol Biol Phys 1990; **19:** 477
Wong HYN See **Yip CKY**
Wong JH; Kopald KH; Morton DL: impact of microinvasion on axillary metastases and survival in patients with intraductal breast cancer, (ab), Radiology 1991; **179:** 293
Wong JW See **Ying X**
Wong JW; Binns WR; Cheng AY; et al: on-line radiotherapy imaging with an array of fiber-optic image reducers, Int J Radiat Oncol Biol Phys 1990; **18:** 1477
Wong JW; Slessinger ED; Hermes RE; et al: portal dose images I: quantitative treatment plan verification, Int J Radiat Oncol Biol Phys 1990; **18:** 1455
Wong JYC See **Williams LE**
Wong JYC; Mivechi NF; Paxton RJ; et al: effects of hyperthermia on tumor carcinoembryonic antigen expression, Int J Radiat Oncol Biol Phys 1989; **17:** 803
Wong JYC; Williams LE; Demidecki AJ; et al: radiobiologic studies comparing yttrium-90 irradiation and external beam irradiation *in vitro*, Int J Radiat Oncol Biol Phys 1991; **20:** 715
Wong JYC; Williams LE; Hill LR; et al: effects of tumor mass, tumor age, and external beam radiation on tumor-specific antibody uptake, Int J Radiat Oncol Biol Phys 1989; **16:** 715
Wong K; Ekberg O; Laufer I; et al: nonvisualized gallbladder on oral cholecystography: implications for lithotripsy, Gastrointest Radiol 1990; **15:** 126
Wong K-H; Wallen CA; Wheeler KT: biodistribution of misonidazole and 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU) in rats bearing unclamped and clamped 9L subcutaneous tumors, Int J Radiat Oncol Biol Phys 1989; **17:** 135
Wong K-H; Wallen CA; Wheeler KT: chemosensitization of the nitrosoureas by 2-nitroimidazoles in the subcutaneous 9L tumor model: pharmacokinetic and structure-activity considerations, Int J Radiat Oncol Biol Phys 1990; **18:** 1043
Wong KP See **Young N**
Wong KT See **Markowitz DM**
Wong L See **Ngo C**
Wong MJ See **Harrison PB**
Wong RSL See **Ling CC**
Wong S-N; Lo RN-S; Hui P-W: abnormal renal and splanchnic arterial Doppler pattern in premature babies with symptomatic patent ductus arteriosus, J Ultrasound Med 1990; **9:** 125
Wong SN; Lo RNS; Yu ECL: renal blood flow pattern by noninvasive Doppler ultrasound in normal children and acute renal failure patients, J Ultrasound Med 1989; **8:** 135
Wong STS See **Carney CE**
Wong STS See **Mulkern RV**
Wong STS See **Patz S**
Wong WK See **Stewart BK**
Wong WS; Tsuruda JS; Liberman RL; et al: color Doppler imaging of intracranial vessels in the neonate, AJNR 1989; **10:** 425
Wong-Riley MTT See **Di Rocco RJ**
Wong-You-Cheong J: case of the month: an unusual cause of abdominal pain, Br J Radiol 1990; **63:** 981
Wong-You-Chong JJ See **Jackson A**
Woo SY See **Ingersoll L**
Woo SY; Anderson RL; Kapp DS; et al: heterogeneity of heat response in murine, canine and human tumors: influence on predictive assays, Int J Radiat Oncol Biol Phys 1991; **20:** 479
Wood B See **Cole PR**
Wood B See **Hicks RJ**
Wood B See **Moore JV**
Wood BP See **Capp MP**
Wood BP See **Forman HP**
Wood BP See **Johnson ND**
Wood BP See **Kirks DR**
Wood BP See **Senac MO Jr**
Wood BP See **Steinberg AW**
Wood BP: cloacal malformations and exstrophy syndromes, Radiology 1990; **177:** 326
Wood BP: radiologic atlas of pulmonary abnormalities in children. 2d ed, Radiology 1989; **171:** 160
Wood BP; Bisset G III; McAlister W; Miller JH; Nelson MD Jr; Newman B; Slovis TL; Towbin R: pediatric radiology. RSNA '90 meeting notes, Radiology 1991; **178:** 596
Wood BP; Davitt MA; Metlay LA: lung disease in the very immature neonate: radiographic and microscopic correlation, Pediatr Radiol 1989; **20:** 33
Wood DP Jr; Lorig R; Pontes JE; et al: role of magnetic resonance imaging in the staging of bladder carcinoma, (ab), Radiology 1989; **171:** 882
Wood LP; Parisi M; Finch IJ: value of contrast enhanced CT scanning in the non-trauma emergency room patient, Neuroradiol 1990; **32:** 261
Wood ML See **Runge VM**
Wood ML See **Zur Y**
Wood P See **Altmaier E**
Wood PJ See **Hirst DG**
Wood PJ; Counsell CJR; Bremner JCM; et al: measurement of radiosensitizer-induced changes in mouse tumor metabolism by ^{31}P magnetic resonance spectroscopy, Int J Radiat Oncol Biol Phys 1991; **20:** 291
Wood PJ; Hirst DG: calcium antagonists as radiation modifiers: site specificity in relation to tumor response, Int J Radiat Oncol Biol Phys 1989; **16:** 1141
Wood PS; Altmaier EM; Franken EA Jr; et al: factors influencing choice of academic or practice careers in radiology, Invest Radiol 1990; **25:** 675
Wood PS; Smith WL; Altmaier EM; et al: prospective study of cognitive and noncognitive selection criteria as predictors of resident performance, Invest Radiol 1990; **25:** 855
Wood RP See **Castaldo P**
Wood WC See **Landry J**
Wood WC See **Rockett JF**
Wood WC See **Tepper JE**
Woodard HQ See **White DR**
Woodard ML See **Kasabali B**
Woodcock M See **Watts ME**
Woodhead P; Hall C: case report: Fraser syndrome, cryptophthalmos with small bowel malrotation, Clin Radiol 1990; **42:** 362
Woodhead P; Lloyd GAA: olfactory neuroblastoma: imaging by magnetic resonance, CT and conventional techniques, (ab), Radiology 1989; **172:** 589

Woodhouse NJY See **Johansen K**
Woodle ES See **Vera DR**
Woodring JH: pitfalls in the radiologic diagnosis of lung cancer, AJR 1990; **154:** 1165
Woodring JH: pulmonary artery–bronchus ratios in patients with normal lungs, pulmonary vascular plethora, and congestive heart failure, Radiology 1991; **179:** 115
Woodring JH: unusual radiographic manifestations of lung cancer, Radiol Clin North Am 1990; **28:** 599
Woodring JH; Barrett PA; Rehm SR; et al: acquired tracheomegaly in adults as a complication of diffuse pulmonary fibrosis, AJR 1989; **152:** 743
Woodring JH; Howard RS II; Rehm SR: congenital tracheobronchomegaly (Mounier-Kuhn syndrome): a report of 10 cases and review of the literature, J Thorac Imag 1991; **6-2:** 1
Woodring JH; Johnson PJ: computed tomography distinction of central thoracic masses, J Thorac Imag 1991; **6-2:** 32
Woodring JH; Mac Vandiviere H; Dillon ML: air-filled, multilocular, bronchopulmonary foregut duplication cyst of the mediastinum: unusual computed tomography appearance, Clin Imag 1989; **13:** 44
Woodring JH; Phillips BA; West JW; et al: prospective evaluation of plain radiographic signs of chronic obstructive pulmonary disease, J Thorac Imag 1991; **6-2:** 14
Woodring JH; Vandiviere HM: pulmonary disease caused by nontuberculous mycobacteria, J Thorac Imag 1990; **5-2:** 64
Woodring JH; Vandiviere HM; Melvin IG; et al: roentgenographic features of pulmonary disease caused by atypical mycobacteria, (ab), Radiology 1989; **170:** 288
Woodring JH; West JW: coronary artery calcification identified by CT in patients over forty years of age, Australas Radiol 1989; **33:** 79
Woodruff W See **Bolger WE**
Woodruff WW See **Johnsen DE**
Woodruff WW See **Uglietta JP**
Woodruff WW III See **Kliewer MA**
Woods D See **Bartlett P**
Woods D; Dobranowski J; Orovan WL; et al: Koch pouch: radiographic evaluation of the orthotopic and cutaneous forms, J Canad Assoc Radiol 1991; **42:** 119
Woods D; Young JEM; Filice R; et al: late-onset cystic hygromas: the role of CT, J Canad Assoc Radiol 1989; **40:** 159
Woods DA See **Cooper JC**
Woods ER; Iles S; Jackson S: comparison of scintigraphic diagnostic criteria in suspected pulmonary embolism, J Canad Assoc Radiol 1989; **40:** 194
Woods J Jr See **Sherer DM**
Woods JA See **Jackson FI**
Woods JR Jr See **Sherer DM**
Woods S See **Daya S**
Woods SW; Hegeman IM; Zubal IG; et al: visual stimulation increases technetium-99m-HMPAO distribution in human visual cortex, J Nucl Med 1991; **32:** 210
Woods WG See **Day DL**
Woodward DJ See **Smith WK**
Woodward GA; Bolte RG: children riding in the back of pickup trucks: a neglected safety issue, (ab), Radiology 1991; **179:** 592
Woodworth C See **Stewart CA**
Woolfenden JM See **McNeill GC**
Woolfenden JM See **Patton DD**
Woolfenden JM; Barber HB: radiation detector probes for tumor localization using tumor-seeking radioactive tracers, AJR 1989; **153:** 35
Woolfield N; Haslam R; Le Quesne G; et al: ultrasound diagnosis of nephrocalcinosis in preterm infants, (ab), Radiology 1989; **170:** 590
Wootton SL; Rowen SJ; Griscom NT: pediatric case of the day, Radiographics 1991; **11:** 719
Worah D See **Elizondo G**
Worden JK See **Clark RA**
Workman G See **Flynn A**
Workman P See **Maxwell RJ**
Workman P See **Walton MI**
Workman P: accelerated elimination of pimonidazole following microsomal enzyme induction in mice: a possible approach to reduced neurotoxicity of the pimonidazole-etanidazole combination, Int J Radiat Oncol Biol Phys 1989; **16:** 1011
Workman P: micropharmacokinetics of chemical modifiers, Int J Radiat Oncol Biol Phys 1989; **16:** 897
Workman P; Ward R; Maughan TS; et al: estimation of plasma area under the curve for etanidazole (SR 2508) in toxicity prediction and dose adjustment, Int J Radiat Oncol Biol Phys 1989; **17:** 177
Worlicek H; Dunz D; Engelhard K: ultrasonic examination of the wall of the fluid-filled stomach, JCU 1989; **17:** 5
Wormald SA See **Duddy MJ**
Worrell JA See **Fleischer AC**
Worrell JA; Drolshagen LF; Kelly TC; et al: graded compression ultrasound in the diagnosis of appendicitis: a comparison of diagnostic criteria, J Ultrasound Med 1990; **9:** 145
Worrell JA; Fleischer AC; Droishagen LF; et al: duplex Doppler sonography of the umbilical arteries: predictive value in IUGR and correlation with birth weight, Ultrasound Med Biol 1991; **17:** 207
Worrell JA; Winfield AC; Carroll FE Jr; Payne F; Beveridge JH: returning to academic radiology: why am I doing this?, Radiology 1989; **172:** 874
Worthen N See **Lonky NM**
Worthen NJ See **Fox SA**
Worthen NJ See **Koci TM**
Worthen NJ; Gunning J; Miller J: percutaneous aspiration of the persistent cystic mass of pregnancy: an alternative to surgical removal, JCU 1990; **18:** 117
Worthington BS See **Kerslake RW**
Worthington BS See **Rothwell CI**
Worthington BS See **Stehling MK**
Worthington BS; Chapman B; Ordidge R; et al: induced fluid movement within a giant ovarian cyst demonstrated by echo-planar imaging, Br J Radiol 1989; **62:** 1091
Worthington BS; Mansfield P: clinical applications of echo planar imaging in neuroradiology, Neuroradiol 1990; **32:** 367
Worthy LM See **Chinn DH**
Wortzman G See **Chen JC**
Woudenberg M See **Jackson GE**
Wouter ten Cate J See **Lensing AWA**
Wraight EP See **Baldwin JE**
Wraight EP See **Smith ML**
Wrenn RN See **Anderson RB**
Wriedt CH See **Lee DH**
Wriedt CHR See **Pexman JHW**
Wright A See **Phelps PD**
Wright AM See **Ginsburg R**
Wright AM See **Guthaner DF**
Wright DA See **Prasad N**
Wright DJ See **Horattas MC**
Wright FH See **Yuh WTC**
Wright G See **Rose A**
Wright GA; Brosnan TJ; Macovski A; et al: computing material-selective projection images in MR, Magn Res Med 1989; **11:** 135
Wright GA; Hu BS; Macovski A: estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T, JMRI 1991; **1:** 275
Wright GA; Nishimura DG; Macovski A: flow-independent magnetic resonance projection angiography, Magn Res Med 1991; **17:** 126
Wright GB See **Repa I**
Wright JE See **Dervin JE**
Wright JG; Belkin M; Greenfield AJ; et al: laser angioplasty for limb salvage: observations on early results, (ab), Radiology 1990; **174:** 588
Wright KA See **Twentyman PR**
Wright KC See **Dobben RL**
Wright KC See **Magal C**
Wright KC See **Mirich D**
Wright KC: percutaneous transcatheter stent placement, Radiology 1990; **176:** 620
Wright KC; Kasi LP; Jahns MS; Hashimoto S; Wallace S: liposome distribution after intravenous and selective intraarterial infusion in dogs, Radiology 1990; **176:** 691
Wright KC; Loh G; Wallace S; et al: experimental evaluation of ethanol-ethiodol for transcatheter renal embolization, Cardiovasc Intervent Radiol 1990; **13:** 309
Wright PF See **Kirchner SG**
Wright R See **Levendag PC**
Wright RC See **Brown DG**
Wright RC See **Farzaneh F**
Wright RC See **Holsinger AE**
Wright RC See **Korin HW**
Wright RC See **Riederer SJ**
Wright RC; Riederer SJ; Farzaneh F; et al: real-time MR fluoroscopic data acquisition and image reconstruction, Magn Res Med 1989; **12:** 407
Wright RM See **Wright SM**
Wright SM See **Niesman MR**
Wright SM; Magin RL; Kelton JR: arrays of mutually coupled receiver coils: theory and application, Magn Res Med 1991; **17:** 252
Wright SM; Wright RM: bilateral MR imaging with switched mutually coupled receiver coils, Radiology 1989; **170:** 249
Wrobel CJ; Oldfield EH; Di Chiro G; et al: myelopathy due to intracranial dural arteriovenous fistulas draining intrathecally into spinal medullary veins: report of three cases, (ab), Radiology 1989; **172:** 589
Wu A See **Chun M**
Wu A See **Flickinger JC**
Wu A See **Kalend AM**
Wu A See **Maitz AH**
Wu A See **Schmidt-Ullrich R**
Wu A See **Weiser JC**
Wu A; Chun M; Kasdon D; et al: interstitial iridium-192 implantation for malignant brain tumors. part I: techniques of dosimetry planning, Br J Radiol 1989; **62:** 154
Wu A; Lindner G; Maitz AH; et al: physics of gamma knife approach on convergent beams in stereotactic radiosurgery, Int J Radiat Oncol Biol Phys 1990; **18:** 941
Wu C-C See **Yang K-TA**
Wu C-C: sonographic spectrum of neonatal adrenal hemorrhage: report of a case simulating solid tumor, JCU 1989; **17:** 45
Wu CC; Chow K-S; Lü T-N; et al: tuberculous splenic abscess: sonographic detection and follow-up, JCU 1990; **18:** 205
Wu C-J See **Kim RY**
Wu DB See **Cassidy DB**
Wu H-D See **Yang P-C**
Wu J See **Dinno MA**
Wu J; Du G: temperature elevation generated by a focused Gaussian beam of ultrasound, Ultrasound Med Biol 1990; **16:** 489
Wu J-C See **Huang Y-S**
Wu KK See **Keigley BA**
Wu L-C See **Yeh S-H**
Wu L-C; Yeh S-H; Chen Z; et al: transfer function analysis of the ventricular function: a new method for calculating right ventricular ejection fraction, J Nucl Med 1990; **31:** 1294
Wu M-H; Lue H-C; Hong C-R: unusual phrenic early arteriovenous malformation mimicking pulmonary sequestration with heart failure: two cases successfully treated by surgery, (ab), Radiology 1990; **176:** 886
Wu P See **Zheng G**
Wu S See **Auffermann W**
Wu S-y See **McDonald RJ**
Wu WC See **Chen YM**
Wu WC See **Ott DJ**
Wu X; Barnes GT; Tucker DM: spectral dependence of glandular tissue dose in screen-film mammography, Radiology 1991; **179:** 143
Wu X-L; Xu P; Freeman R: delayed-focus pulses for magnetic resonance imaging: an evolutionary approach, Magn Res Med 1991; **20:** 165
Wu Y See **Asada N**
Wuisman P See **Erlemann R**
Wuisman P; Erlemann R; Roessner A; et al: case report 669, Skeletal Radiol 1991; **20:** 294
Wuisman P; Roessner A; Härle A; et al: case report 503, Skeletal Radiol 1989; **17:** 592
Wulc AE See **Montecalvo RM**
Wulfeck DW; Smith HS; Silberstein EB: incidental finding of crossed renal ectopia diagnosed on bone scan, Clin Nucl Med 1991; **16:** 441
Wulfrank DA; Schelstraete KH; Small F; et al: analogy between tumor uptake of technetium(V)-99m dimercaptosuccinic acid (DMSA) and technetium-99m-MDP, Clin Nucl Med 1989; **14:** 588
Wullich B See **Mayfrank L**
Wunderlich CC See **Nguyen VD**
Wunderlich CC; Janes NJ; Samphilipo MA Jr: renal perfusion model for NMR spectroscopy, Invest Radiol 1989; **24:** 619
Wunderlich M See **Jantsch H**
Wunderlich M See **Lechner GL**
Würschmidt F; Beck-Bornholdt H-P; Vogler H: radiobiology of the rhabdomyosarcoma R1H of the rat: influence of the size of irradiation field on tumor response, tumor bed effect, and neovascularization kinetics, Int J Radiat Oncol Biol Phys 1990; **18:** 879
Wüthrich K See **Boesch C**
Wüthrich R See **Duewell S**
Wüthrich R See **Schwendener RA**
Wyatt JO See **Guthaner DF**
Wybier M See **Laredo J-D**
Wylie E See **Guy RL**
Wylie EJ; Kendall B: cranio-vertebral bony changes in a case of congenital lipomatosis, Neuroradiol 1989; **31:** 352
Wylie EJ; Mitchell DB: case report: iodide mumps following intravenous urography with iopamidol, Clin Radiol 1991; **43:** 135
Wymore P; Yedlicka JW; Garcia-Medina V; et al: incidence of myocardial bridges in heart transplants, Cardiovasc Intervent Radiol 1989; **12:** 202
Wynchank S See **Jackson GE**
Wyrwicz AM; Conboy CB: determination of halothane distribution in the rat head using ^{19}F NMR technique, Magn Res Med 1989; **9:** 219
Wysenbeek AJ See **Leibovici L**

X

Xiang QS; Nalcioglu O: differential flow imaging by NMR, Magn Res Med 1989; **12:** 14

Xiang QS; Nalcioglu O: projection images of the position–velocity joint spin density distribution, Magn Res Med 1990; **15:** 112
Xiang-E W See Shu-Mo C
Xian-Zhi G See Mei W
Xiong J See Cheng H-M
Xiu-Ying Z See Shao-Qin H
Xu ASL; Potts JR; Kuchel PW: phenomenon of separate intra- and extracellular resonances of difluorophosphate in ^{31}P and ^{19}F NMR spectra of erythrocytes, Magn Res Med 1991; **18:** 193
Xu EZ; Mullani NA; Gould KL; et al: segmented attenuation correction for PET, J Nucl Med 1991; **32:** 161
Xu GL; Haughton VM; Carrera GF: lumbar facet joint capsule: appearance at MR imaging and CT, Radiology 1990; **177:** 415
Xu G-Z See Yan J-H
Xu GZ; Cai WM; Qin DX; et al: Chinese herb "destagnation" series I: combination of radiation with destagnation in the treatment of nasopharyngeal carcinoma (NPC): a prospective randomized trial on 188 cases, Int J Radiat Oncol Biol Phys 1989; **16:** 297
Xu P See Wu X-L
Xu X-W See MacMahon H
Xu Y See Chu SC-K
Xu Y; Balschi JA; Springer CS Jr: magnetic susceptibility shift selected imaging: MESSI, Magn Res Med 1990; **16:** 80
Xuan A See Shine N
Xue M See Majors AW
Xue M; Ng TC; Majors A: spectral editing of tumor ^{13}C MRS *in situ*, Magn Res Med 1990; **14:** 530

Y

Yachia D; Lask D; Rabinson S: self-retaining intraurethral stent: an alternative to long-term indwelling catheters or surgery in the treatment of prostatism, AJR 1990; **154:** 111
Yacoe ME; Sommer G; Peehl D: *in vitro* proton spectroscopy of normal and abnormal prostate, Magn Res Med 1991; **19:** 429
Yacyshyn BJ See Bennett JD
Yadusky A See Walton LA
Yaes RJ: biological effect of inhomogeneous dose distributions in fractionated radiotherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 203
Yaes RJ: linear-quadratic model isoeffect relations for proliferating tumor cells for treatment with multiple fractions per day, Int J Radiat Oncol Biol Phys 1989; **17:** 901
Yaes RJ: tumor heterogeneity, tumor size, and radioresistance, Int J Radiat Oncol Biol Phys 1989; **17:** 993
Yaes RJ; Patel P; Maruyama Y: on using the linear-quadratic model in daily clinical practice, Int J Radiat Oncol Biol Phys 1991; **20:** 1353
Yaffe CS See Semelka RC
Yaffe D; Zissin R: Cowper's glands duct: radiographic findings, Urol Radiol 1991; **13:** 123
Yaffe MJ: AAPM tutorial: physics of mammography: image recording process, Radiographics 1990; **10:** 341
Yagan R See Marmolya G
Yagan R See Skubic SE
Yagan R See Spencer D
Yagan R; Wiesen E; Skubic S; Bellon EM: needle localization of nonpalpable breast lesions with current dedicated mammographic systems, Radiology 1989; **172:** 580
Yagel S See Hurwitz A
Yaghmai I See Kioumehr F
Yaghmai I See Ngo C
Yaghmai I See Verma RC
Yagi K See Misaki T
Yaguchi K See Iwasaki S
Yagura H See Komiyama M
Yahalom J See McCormick B
Yahalom J See Werner RS
Yahalom J; Gulati S; Shank B; et al: total lymphoid irradiation, high-dose chemotherapy and autologous bone marrow transplantation for chemotherapy-resistant Hodgkin's disease, Int J Radiat Oncol Biol Phys 1989; **17:** 915
Yakes WF See Hopper KD
Yakes WF See Parker SH
Yakes WF See Rak KM
Yakes WF; Haas DK; Parker SH; Gibson MD; Hopper KD; Mulligan JS; Pevsner PH; Johns JC Jr; Carter TE: symptomatic vascular malformations: ethanol embolotherapy, Radiology 1989; **170:** 1059
Yakes WF; Kumpe DA; Brown SB; Parker SH; Lattes RG; Cook PS; Haas DK; Gibson MD; Hopper KD; Reed MD; Cox HE; Bourne EE; Griffin DJ: percutaneous transluminal aortic angioplasty: techniques and results, Radiology 1989; **172:** 965
Yakes WF; Luethke JM; Merland JJ; Rak KM; Slater DD; Hollis HW; Parker SH; Casasco A; Aymard A; Hodes J; Hopper KD; Stavros AT; Carter TE: ethanol embolization of arteriovenous fistulas: a primary model of therapy, JVIR 1990; **1:** 89
Yakes WF; Luethke JM; Parker SH; Stavros AT; Rak KM; Hopper KD; Dreisbach JN; Griffin DJ; Seibert CE; Carter TE; Guilliland JD: ethanol embolization of vascular malformations, Radiographics 1990; **10:** 787
Yalcinkaya C See Boltshauser E
Yale-Loehr AJ See Haney PJ
Yale-Loehr AJ; Kramer SS; Quinlan DM; et al: CT of severe renal trauma in children: evaluation and course of healing with conservative therapy, AJR 1989; **152:** 109
Yamada I; Suzuki S: calcification in cerebral non-Hodgkin's lymphoma: CT demonstration, Neuroradiol 1989; **31:** 372
Yamada M; Komoto E; Naito Y; et al: endoscopic ultrasonography in the diagnosis of pancreatic islet cell tumors, J Ultrasound Med 1991; **10:** 271
Yamada N See Imakita S
Yamada N See Nishimura T
Yamada N; Imakita S; Sakuma T; Nishimura Y; Yamada Y; Naito H; Nishimura T; Takamiya M: evaluation of the susceptibility effect on the phase images of a simple gradient echo, Radiology 1990; **175:** 561
Yamada R See Nagata Y
Yamada R See Sato M
Yamada R; Kishi K; Sonomura T; et al: transcatheter arterial embolization in unresectable hepatocellular carcinoma, Cardiovasc Intervent Radiol 1990; **13:** 135
Yamada S See Yoshikawa K
Yamada T See Brandt D
Yamada T See Muramatsu Y
Yamada T See Tamaki N
Yamada Y See Ito S
Yamada Y See Yamada N
Yamadori A See Ohkawa S
Yamaguchi K See Katayama H
Yamaguchi K; Katayama H; Kozuka T; et al: pretesting as a predictor of severe adverse reactions to contrast media, Invest Radiol 1990; **25:** S22
Yamaguchi K; Katayama H; Takashima T; Kozuka T; Seez P; Matsuura K: prediction of severe adverse reactions to ionic and nonionic contrast media in Japan: evaluation of pretesting: a report from the Japanese Committee on the Safety of Contrast Media, Radiology 1991; **178:** 363
Yamaguchi M See Araki T
Yamaguchi S See Inoue Y
Yamaguchi T See Tsuchiya T
Yamaguchi T; Fukuoka H; Yamamoto K; et al: transfemoral closure of patent ductus arteriosus: an alternative to surgery in older patients, Cardiovasc Intervent Radiol 1990; **13:** 291
Yamaguchi T; Guthaner DF; Wexler L: natural history of the false channel of type A aortic dissection after surgical repair: CT study, Radiology 1989; **170:** 743
Yamahana T See Kitagawa K
Yamai S See Ueshima Y
Yamaki T; Ando S; Ohta K; et al: CT demonstration of massive cerebral air embolism from pulmonary barotrauma due to cardiopulmonary resuscitation, JCAT 1989; **13:** 313
Yamaki T; Tanabe S; Hashi K: prominent development of the inferolateral trunk of the internal carotid artery as a collateral pathway to the external carotid system, AJNR 1989; **10:** 206
Yamakoshi K-i See Kurosawa H
Yamamoto E See Nozokido T
Yamamoto H See Mori K
Yamamoto H See Terui S
Yamamoto I See Tonami H
Yamamoto K See Hatabu H
Yamamoto K See Kudo M
Yamamoto K See Nagata Y
Yamamoto K See Yamaguchi T
Yamamoto K; Shibata T; Saji H; et al: human pancreas scintigraphy using iodine-123-labeled HIPDM and SPECT, J Nucl Med 1990; **31:** 1015
Yamamoto M See Otake S
Yamamoto R See Nakaizumi A
Yamamoto S See Akira M
Yamamoto S; Bergsland J; Michalek SM; et al: uptake of myocardial imaging agents by rejecting and nonrejecting cardiac transplants. a comparative clinical study of thallium-201, technetium-99m, and gallium-67, J Nucl Med 1989; **30:** 1464
Yamamoto Y; Kunishio K; Sunami N; et al: identification of CSF fistulas by radionuclide counting, AJNR 1990; **11:** 823
Yamanoi T See Kurosawa H
Yamasaki K See Hirata T
Yamasaki K See Kono M
Yamasaki M See Shimizu H
Yamasaki S See Muramatsu Y
Yamasaki S See Okazaki M
Yamasaki T See Tamura A
Yamashita HK See Trotot PM
Yamashita K See Hayakawa K
Yamashita K See Sagoh T
Yamashita K See Tamaki N
Yamashita K See Togashi K
Yamashita K; Tamaki N; Yonekura Y; et al: quantitative analysis of regional wall motion by gated myocardial positron emission tomography: validation and comparison with left ventriculography, J Nucl Med 1989; **30:** 1775
Yamashita K; Tamaki N; Yonekura Y; et al: regional wall thickening of left ventricle evaluated by gated positron emission tomography in relation to myocardial perfusion and glucose metabolism, J Nucl Med 1991; **32:** 679
Yamashita M See Ohno K
Yamashita T; Kashiwagi S; Nakano S; et al: effect of EC-IC bypass surgery on resting cerebral blood flow and cerebrovascular reserve capacity studied with stable Xe-CT and acetazolamide test, Neuroradiol 1991; **33:** 217
Yamashita T; Ogawa A: ultrasound in penile cancer, Urol Radiol 1989; **11:** 174
Yamashita Y See Takahashi M
Yamashita Y See Tamada T
Yamashita Y; Takahashi M; Bussaka H; et al: balloon-occluded arterial infusion therapy in the treatment of primary and recurrent gynecologic malignancies, Cardiovasc Intervent Radiol 1989; **12:** 188
Yamashita Y; Takahashi M; Koga Y; et al: prognostic factors in liver metastases after transcatheter arterial embolization or arterial infusion, (ab), JVIR 1991; **2:** 296
Yamashita Y; Takahashi M; Koga Y; et al: prognostic factors in liver metastases after transcatheter arterial embolization or arterial infusion, Acta Radiol 1990; **31:** 269
Yamashita Y; Takahashi M; Matsuno Y; et al: acute spinal cord injury: magnetic resonance imaging correlated with myelopathy, Br J Radiol 1991; **64:** 201
Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Oguni T; Sakae T; Yoshizumi K; Kim EE: chronic injuries of the spinal cord: assessment with MR imaging, Radiology 1990; **175:** 849
Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Yoshizumi K; Oguni T; Kojima R: spinal cord compression due to ossification of ligaments: MR imaging, Radiology 1990; **175:** 843
Yamashita Y; Takahashi M; Sakamoto Y; et al: atlantoaxial subluxation: radiography and magnetic resonance imaging correlated to myelopathy, Acta Radiol 1989; **30:** 135
Yamauchi H; Fukuyama H; Harada K; et al: white matter hyperintensities may correspond to areas of increased blood volume: correlative MR and PET observations, JCAT 1990; **14:** 905
Yamauchi K; Noguchi K; Suzuki Y; et al: gallium-67 uptake in the salivary glands in chronic graft-versus-host disease after bone marrow transplantation, Clin Nucl Med 1989; **14:** 330
Yamauchi S See Nakanishi T
Yamauchi T See Furui S
Yamauchi T See Irie T
Yamauchi T See Makita K
Yamawaki RM See Fahnestock M
Yamawaki Y See Imaeda T
Yamawaki Y See Kanematsu M
Yamazaki F See Keshavjee SH
Yamazaki J See Riobeiro MB
Yamazaki K See Tajima K
Yamazaki N See Kurata C
Yan H; Braun M: image reconstruction from Fourier domain data sampled along a zig-zag trajectory, Magn Res Med 1991; **18:** 405
Yan H; Mao J: relation of low frequency restoration methods to the Gerchberg–Papoulis algorithm, Magn Res Med 1990; **16:** 166
Yan J-H; Qin D-X; Hu Y-H; et al: management of local residual primary lesion of nasopharyngeal carcinoma (NPC): are higher doses beneficial?, Int J Radiat Oncol Biol Phys 1989; **16:** 1465
Yan J-H; Xu G-Z; Hu Y-H; et al: management of local residual primary lesion of nasopharyngeal carcinoma: II. results of prospective randomized trial on booster dose, Int J Radiat Oncol Biol Phys 1990; **18:** 295
Yan PC See Chia BL
Yan R; Durand RE: response of hypoxic cells in SCCVII murine tumors to treatment with cisplatin and x rays, Int J Radiat Oncol Biol Phys 1991; **20:** 271
Yana C See Frija J

Yanagihara Y See **Sugahara T**
Yanai M See **Hatazawa J**
Yanaka K; Yoshii Y; Nose T; et al: case report: a small temporal lobe glioma detected only by magnetic resonance imaging, Clin Radiol 1989; **40:** 528
Yancey MK; Brady K; Read JA; et al: sonographic evidence of fetal hydrothorax after in-utero death of monozygotic twin, JCU 1991; **19:** 162
Yang A See **Bouton S**
Yang A See **Carter HB**
Yang A See **Ricci C**
Yang A: rejuvenationg hoarse beepers with the MR imager, Radiology 1991; **180:** 290
Yang A; Mostwin JL; Rosenshein NB; Zerhouni EA: pelvic floor descent in women: dynamic evaluation with fast MR imaging and cinematic display, Radiology 1991; **179:** 25
Yang CJC See **Barloon TJ**
Yang CJC; Seabold JE; Gurll NJ: brown tumor of bone: a potential source of false-positive thallium-201 localization, J Nucl Med 1989; **30:** 1264
Yang DC See **Sezhiyan T**
Yang K-TA; Wu C-C; Chen J-Y: visualization of breast tissue by technetium-99m labeled dextran in chronic cystic mastitis, Clin Nucl Med 1989; **14:** 772
Yang N-C See **Hawkins WG**
Yang P-C; Luh K-T; Lee Y-C; Chang D-B; Yu C-J; Wu H-D; Lee L-N; Kuo S-H: lung abscesses: US examination and US-guided transthoracic aspiration, Radiology 1991; **180:** 171
Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P: lung tumors associated with obstructive pneumonitis: US studies, Radiology 1990; **174:** 717
Yang PJ See **Carmody RF**
Yang PJ See **Tien RD**
Yang PJ; Halbach VV; Higashida RT; et al: intravascular embolization of a congenital subclavian arteriovenous fistula, AJNR 1989; **10:** 525
Yang PJ; Higashida RT; Halbach VV; et al: intravascular embolization of a cerebellar arteriovenous malformation for treatment of hemifacial spasm, AJNR 1989; **10:** 403
Yang SO See **Lee KS**
Yang S-O; Lee MC; Koh C-S; et al: jejunal leiomyosarcoma detected by Tc-99m sulfur colloid gastrointestinal bleeding scan, Clin Nucl Med 1990; **15:** 327
Yang S-P See **Yang P-C**
Yang SS See **Cacciarelli AA**
Yang WN See **Ducatman AM**
Yang WN See **Withers BF**
Yang XM; Manninen H; Naukkarinen A; Ji H; Kankkunen JP; Suhonen M; Soimakallio S: CO_2 gas perfusion: improved efficiency and safety with sapphire-probe laser ablation of human artery, JVIR 1991; **2:** 159
Yang XM; Manninen H; Soimakallio S: percutaneous transluminal laser angioplasty: progress over the past two years, Acta Radiol 1990; **31:** 3
Yang X-Y See **Shen Y**
Yang Y-Y See **Kung M-P**
Yang ZY See **Wang YX**
Yankaskas BC See **Allard P**
Yankelevitz D See **Berkmen YM**
Yankelevitz DF See **Davis SD**
Yankelevitz DF; Henschke CI; Knapp PH; et al: effect of radiation therapy on thoracic and lumbar bone marrow: evaluation with MR imaging, AJR 1991; **157:** 87
Yankura JA See **Budde RB Jr**
Yan-Ming B See **Kang-Da L**
Yano S See **Ichihashi K**
Yano S See **Okajima K**
Yano T See **Ishida T**
Yao JST See **Rizzo RJ**
Yao L See **Lee JK**
Yao L; Lee JK: avulsion of the posteromedial tibial plateau by the semimembranosus tendon: diagnosis with MR imaging, Radiology 1989; **172:** 513
Yao L; Scialdone C: empyema of the gallbladder in a patient with AIDS-related complex, Clin Imag 1990; **14:** 157
Yao L; Sherwood JW: ex-vivo MR imaging of the cruciate ligaments, Comput Med Imag Graph 1991; **15:** 27
Yao LX; Zagzebski JA; Madsen EL: statistical uncertainty in ultrasonic backscatter and attenuation coefficients determined with a reference phantom, Ultrasound Med Biol 1991; **17:** 187
Yao T; Okada M; Fuchigami T; et al: relationship between the radiological and clinical features in patients with Crohn's disease, Clin Radiol 1989; **40:** 389
Yaoita H; Uehara T; Brownell AL; et al: localization of technetium-99m-glucarate in zones of acute cerebral injury, J Nucl Med 1991; **32:** 272
Yap MA See **Harmon BH**
Yaqub B See **Sharif HS**
Yarborough MA; Burns JR; Keller FS: incidence and clinical significance of subclinical scrotal varicoceles, (ab), Radiology 1990; **174:** 292
Yardley JH See **Greenson JK**
Yardley JH: *Campylobacter pylori* and large gastric folds, Radiology 1989; **171:** 609
Yaremko ML See **Dowlatshahi K**
Yarkoni S See **Reece EA**
Yarlagadda AP See **Downing GJ**
Yarlagadda P See **Maulik D**
Yarlagadda P; Willoughby L; Maulik D: effect of fetal heart rate on umbilical arterial Doppler indices, J Ultrasound Med 1989; **8:** 215
Yarnell T See **Mamourian AC**
Yaroslavsky E See **Kushnir T**
Yasaka M See **Tsuchiya T**
Yasawy MI See **El-Shiekh Mohamed AR**
Yashiro N See **Yoshida H**
Yasuda H See **Takada T**
Yasuda T See **Mineura K**
Yasuda T; Abraham SA; Pieri P; et al: evaluation of residual myocardial viability in a patient with acute myocardial infarction, J Nucl Med 1990; **31:** 225
Yasuhara H See **Neville RF Jr**
Yasumitsu T; Ohshima S; Nakano N; et al: bestatin in resected lung cancer: a randomized clinical trial, Acta Oncol 1990; **29:** 827
Yasumori K See **Hasuo K**
Yasumori K See **Hirakata R**
Yasumori K See **Kuroiwa T**
Yasumoto K See **Nakahashi H**
Yasumoto M See **Shibuya H**
Yasunaga T See **Arakawa A**
Yates CK See **Middleton WD**
Yates SP; Collins MC: case report: recurrent liposarcoma of the oesophagus, Clin Radiol 1990; **42:** 356
Yatsushiro K See **Sasahira M**
Yazdi Y See **Ophir J**
Yazicioglu I See **Demirci A**
Yeager AE See **Reimer P**
Yeager BA; Arger PH; Mintz MC; et al: impact of sonography on the management of extratesticular abnormalities of the scrotum, JCU 1989; **17:** 573
Yeasting RA See **Persutte WH**
Yeates AE See **Heinz ER**
Yeates MG See **Keogh AM**
Yeates MG See **Ramsay SC**
Yebra M See **Marazuela M**
Yedlicka JW See **Bildsoe MC**
Yedlicka JW See **Cormier MG**
Yedlicka JW See **duCret RP**
Yedlicka JW See **Engeler CE**
Yedlicka JW See **Murphy TP**
Yedlicka JW See **Repa I**
Yedlicka JW See **Robinson JD**
Yedlicka JW See **Wymore P**
Yedlicka JW; Schultz K; Moncada R; et al: CT findings in superior vena cava obstruction, Semin Roentgenol 1989; **24:** 84
Yedlicka JW Jr See **Hedlund LJ**
Yedlicka JW Jr See **Ponomar E**
Yedlicka JW Jr; Aizpuru R; Hunter DW; et al: retrograde replacement of internal double-J ureteral stents, AJR 1991; **156:** 1007
Yedlicka JW Jr; Carlson JE; Hedlund LJ; Urness M; Hunter DW; Castaneda-Zuniga WR; Amplatz K: nonselective and semiselective catheters for renal artery evaluation: experimental study, JVIR 1991; **2:** 273
Yedlicka JW Jr; Carlson JE; Hunter DW; Castañeda-Zúñiga WR; Amplatz K: nitinol gooseneck snare for removal of foreign bodies: experimental study and clinical evaluation, Radiology 1991; **178:** 691
Yedlicka JW Jr; Carlson JE; Hunter DW; Castaneda-Zuniga WR; Amplatz K: thrombectomy with the transluminal endarterectomy catheter (TEC) system: experimental study and case report, JVIR 1991; **2:** 343
Yedlicka JW Jr; Halloran J; Payne WD; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Letourneau JG: angiogenesis after hepatic arterial occlusion in liver transplant patients, JVIR 1991; **2:** 235
Yee ACN See **Halkier BK**
Yee CA See **Teitelbaum GP**
Yee CW; Ping TK: computerized tomography in dural sinus thrombosis, Australas Radiol 1990; **34:** 24
Yee D See **Cullen KJ**
Yee GJ See **Salazar OM**
Yee JM; Raghavendra BN; Horii SC; et al: abdominal sonography in AIDS: a review, J Ultrasound Med 1989; **8:** 705
Yeh H-C See **Winsberg F**
Yeh H-C; Halton KP; Gray CE: anatomic variations and abnormalities in the diaphragm seen with US, Radiographics 1990; **10:** 1019
Yeh H-C; Weiss MF; Gerson CD: torsion of the gallbladder: the ultrasonographic features, JCU 1989; **17:** 123
Yeh I-T See **Mitti RL Jr**
Yeh SDJ See **Batte WG Jr**
Yeh SDJ; Larson SM; Burch L; et al: radioimmunodetection of neuroblastoma with iodine-131-3F8: correlation with biopsy, iodine-131-metaiodobenzylguanidine and standard diagnostic modalities, J Nucl Med 1991; **32:** 769
Yeh S-H See **Chu Y-K**
Yeh S-H See **Liu R-S**
Yeh S-H See **Wu L-C**
Yeh S-H; Wu L-C; Wang S-J; et al: xenon-133 hepatic retention ratio: a useful index for fatty liver quantification, J Nucl Med 1989; **30:** 1708
Yellin A; Rosen A; Reichert N; et al: superior vena cava syndrome: the myth–the facts, (ab), Radiology 1990; **177:** 893
Yellin AE See **Stain SC**
Yellin AE See **Weaver FA**
Yen C-K See **Koblik PD**
Yen C-K; Koblik P; Breznock B; et al: portasystemic shunt fraction quantification using transrectal administration of iodine-123 iodoamphetamine in dogs with chronic bile duct ligation and after propranolol administration, J Nucl Med 1989; **30:** 1702
Yen C-L See **Chang-Chien C-S**
Yen D See **Guo J**
Yeo CJ; Bastidas JA; Lynch-Nyhán A; et al: natural history of pancreatic pseudocysts documented by computed tomography, (ab), Radiology 1990; **177:** 889
Yeo E See **Hung G-L**
Yeo E; Chen DCP; Siegel ME: hepatobiliary and gallium imaging findings in gallbladder perforation: a case report and review of the literature, Clin Nucl Med 1989; **14:** 77
Yeo EE; Low J: intra-abdominal retained surgical sponges presenting as a photopenic mass on scintigraphy, Clin Nucl Med 1991; **16:** 543
Yeoman LJ See **Khaw KT**
Yeoman LJ; Dalton HR; Adam EJ: fat-fluid level in pleural effusion as a complication of a mediastinal dermoid: CT characteristics, JCAT 1990; **14:** 307
Yeoman LJ; Shaw D: computerized tomography appearances of pelvic haemangioma involving the large bowel in childhood, Pediatr Radiol 1989; **19:** 414
Yeon KM See **Choi BI**
Yeon KM See **Im J-G**
Yeon KM See **Park JM**
Yester MV See **Russell CD**
Yetkin FZ See **Breger RK**
Yetkin FZ; Haughton VM; Papke RA; Fischer ME; Rao SM: multiple sclerosis: specificity of MR for diagnosis, Radiology 1991; **178:** 447
Yeung E; Jackson J; Finn JP; et al: acalculous cholecystitis complicating hepatic intraarterial lipiodol: case report, Cardiovasc Intervent Radiol 1989; **12:** 80
Yeung EY; Thurston W; Quigley MJ; Ho C-S: US guidance of interventional procedures, Radiology 1990; **176:** 289
Yeung EYC See **Jackson JE**
Yeung EYC; O'Donnell C; Carvalho P; et al: new technique for removing occluded double mushroom-tipped biliary endoprostheses, AJR 1989; **152:** 527
Yeung HN See **Swanson SD**
Yi JG See **Chang KH**
Yi JG See **Choi BI**
Yielding KL See **Schreiber MH**
Yin F-F See **Giger ML**
Yin F-F See **MacMahon H**
Yin LL See **Merritt CRB**
Ying X; Geer LY; Wong JW: portal dose images II: patient dose estimation, Int J Radiat Oncol Biol Phys 1990; **18:** 1465
Yinnon A; Konijn AM; Link G; et al: diagnostic value of ferritin in malignant pleural and peritoneal effusions, (ab), Radiology 1989; **172:** 296
Yip CKY; Leung JWC; Chan MKM; et al: scrape biopsy of malignant biliary stricture through percutaneous transhepatic biliary drainage tracts, AJR 1989; **152:** 529
Yip CKY; Ng VK; Man DWK; et al: sonographic recognition of pneumatosis intestinalis and portal gas in an 11-months-old infant—case report, Australas Radiol 1990; **34:** 169
Yip CKY; Wong HYN; Chan PSF; et al: emphysematous pyelonephritis simulating intestinal obstruction and pneumatosis intestinalis, Australas Radiol 1990; **34:** 344
Yip KY See **Kreel L**
Yip P-K; Chang YC; Liu HM: effect of iohexol on brainstem auditory evoked potentials: a prospective study on 30 patients, Neuroradiol 1991; **33:** 313

Yip T-CK See **Houle S**

Yip T-CK; Houle S; Griffiths HJ: scintigraphic findings in congenital lipodystrophy, Clin Nucl Med 1989; **14:** 28

Yip T-CK; Houle S; Mathewson J: gallium scan finding in a patient with suppurative lymphangitis secondary to sporotrichosis, Clin Nucl Med 1989; **14:** 144

Yip WCL See **Murugasu B**

Yip YPL; Capriotti C; Norbash SG; et al: ultrasound effects on cell proliferation and migration of chick motoneurons, Ultrasound Med Biol 1991; **17:** 55

Yip YPL; Capriotti C; Rosenthal MS; et al: effect of ultrasound on axonal outgrowth in the sympathetic nervous system of the chick, Ultrasound Med Biol 1991; **17:** 139

Yi-Wen H See **Rong-Xi L**

Yi-Zun J; Stratford IJ: radiosensitizing activity of 1-alkyl-3-nitropyrrolo-(2,3-b)-pyridine derivative, Int J Radiat Oncol Biol Phys 1989; **16:** 357

Ylinen S-L See **Raininko R**

Yochum TR; Sellers LT; Oppenheimer DA; et al: sclerotic pedicle—how many causes are there?, Skeletal Radiol 1990; **19:** 411

Yock PG See **Fitzgerald PJ**

Yocky DA; Seeley GW; Ovitt TW; et al: computer-simulated lung nodules in digital chest radiographs for detection studies, Invest Radiol 1990; **25:** 902

Yoda H See **Nishimaki S**

Yoder G See **Read RC**

Yoder IC See **Lee MJ**

Yoder IC See **Tung GA**

Yoffe N See **Bronshtein M**

Yoffie RL See **Vannier MW**

Yoganandan N See **Nowicki BH**

Yohannan MD See **Mahdi AH**

Yokoi K See **Mori K**

Yokoi K; Mori K; Miyazawa N; Saito Y; Okuyama A; Sasagawa M: tumor invasion of the chest wall and mediastinum in lung cancer: evaluation with pneumothorax CT, Radiology 1991; **181:** 147

Yokota A See **Hashimoto M**

Yokota H See **Tonami H**

Yokoyama K See **Aburano T**

Yokoyama K See **Akira M**

Yokoyama K See **Paik CH**

Yokoyama K See **Tonami N**

Yokoyama K; Carrasquillo JA; Chang AE; et al: differences in biodistribution of indium-111- and iodine-131-labeled B72.3 monoclonal antibodies in patients with colorectal cancer, J Nucl Med 1989; **30:** 320

Yokoyama K; Reynolds JC; Paik CH; et al: immunoreactivity affects the biodistribution and tumor targeting of radiolabeled anti-P97 Fab fragment, J Nucl Med 1990; **31:** 202

Yokoyama K; Tonami N; Kimura M; et al: scintigraphic demonstration of intracranial communication between arachnoid cyst and associated subdural hematoma, Clin Nucl Med 1989; **14:** 350

Yokoyama T See **Nakanishi T**

Yonas H See **Hecht ST**

Yonas H See **Rogg J**

Yonas H See **Tabatabai A**

Yonekawa H See **MacMahon H**

Yonekawa Y See **Taki W**

Yonekura Y See **Fujibayashi Y**

Yonekura Y See **Nishizawa S**

Yonekura Y See **Tamaki N**

Yonekura Y See **Yamashita K**

Yonekura Y; Fujita T; Nishizawa S; et al: multidetector SPECT scanner for brain and body: system performance and applications, JCAT 1989; **13:** 732

Yonekura Y; Fujita T; Nishizawa S; et al: temporal changes in accumulation of N-isopropyl-*p*-iodoamphetamine in human brain: relation to lung clearance, J Nucl Med 1989; **30:** 1977

Yong K See **O'Donnell CJ**

Yong-Hing K See **Friedman L**

Yoo HS See **Lee JT**

Yoo S-J; Lim TH; Park I-S; Hong CY; Song MG; Kim SH; Lee HJ: MR anatomy of ventricular septal defect in double-outlet right ventricle with situs solitus and atrioventricular concordance, Radiology 1991; **181:** 501

Yoon TH; Paparella MM; Schachern PA: systemic vasculitis: a temporal bone histopathologic study, (ab), Radiology 1990; **175:** 292

Yoon Y See **Im J-G**

Yoon Y See **Lim JH**

Yoon YB See **Choi BI**

Yoong MFP See **Davis SJ**

Yoong P See **Taylor DB**

Yoshida H See **Minami M**

Yoshida H See **Ohtomo K**

Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A: biliary malignancies occurring in choledochal cysts, Radiology 1989; **173:** 389

Yoshida H; Itai Y; Ohtomo K; Kokubo T; Minami M; Yashiro N: small hepatocellular carcinoma and cavernous hemangioma: differentiation with dynamic FLASH MR imaging with Gd-DTPA, Radiology 1989; **171:** 339

Yoshida K See **Gould KL**

Yoshida K See **Hasuo K**

Yoshida K See **Kaneoke Y**

Yoshida M See **Nakasu S**

Yoshida M See **Yoshimitsu K**

Yoshida S See **Brandt D**

Yoshida Y; Kamegawa T; Sugio K; et al: mucocele of the appendix accurately diagnosed using computer tomography, Clin Imag 1990; **14:** 61

Yoshii T See **Morita S**

Yoshii Y See **Yanaka K**

Yoshikawa J See **Kadoya M**

Yoshikawa J See **Matsui O**

Yoshikawa K See **Minami M**

Yoshikawa K See **Okada J**

Yoshikawa K; Yamada S; Shiono T; et al: experimental approach to using extrinsic fluorine-19 in magnetic resonance imaging, Invest Radiol 1990; **25:** S46

Yoshikawa M See **Ebara M**

Yoshimatsu S; Inoue Y; Ibukuro K; Suzuki S: hypovascular hepatocellular carcinoma undetected at angiography and CT with iodized oil, Radiology 1989; **171:** 343

Yoshimitsu K See **Fukuya T**

Yoshimitsu K; Fukuya T; Onitsuka H; et al: computed tomography of ileoileocolic intussusception caused by a lipoma, JCAT 1989; **13:** 704

Yoshimitsu K; Yoshida M; Motooka M; et al: heterotopic gastric mucosa of the duodenum mimicking a duodenal cancer, Gastrointest Radiol 1989; **14:** 115

Yoshimura H See **Otsuji H**

Yoshimura H See **Yoshioka T**

Yoshimura T; Takeo G; Souda M; et al: CT demonstration of spinal epidural emphysema after strenuous exercise, JCAT 1990; **14:** 303

Yoshinaga M See **Uchino A**

Yoshino J See **Nakazawa S**

Yoshino MT See **Fajardo LL**

Yoshino MT See **Pond GD**

Yoshioka H See **Matsumoto F**

Yoshioka H; Nakagawa K; Shindou H; et al: MR imaging of the liver before and after transcatheter hepatic chemo-embolization for hepatocellular carcinoma, Acta Radiol 1990; **31:** 63

Yoshioka M; Saiwai S; Kuroki S; et al: MR imaging of the brain in Fukuyama-type congenital muscular dystrophy, AJNR 1991; **12:** 63

Yoshioka T See **Kichikawa K**

Yoshioka T See **Mirich D**

Yoshioka T; Sakaguchi H; Yoshimura H; Tamada T; Ohishi H; Uchida H; Wallace S: expandable metallic biliary endoprostheses: preliminary clinical evaluation, Radiology 1990; **177:** 253

Yoshitome E See **Mizumoto CT**

Yoshizawa T See **Satoh M**

Yoshizumi K See **Yamashita Y**

Yost F See **Eaton S**

You-Bing D; Takenaka K; Sakamoto T; et al: follow-up mitral valve prolapse by phonocardiography, M-mode and two-dimensional echocardiography and Doppler echocardiography, (ab), Radiology 1990; **177:** 294

Youker JE See **Lambrecht LG**

Youker JE See **Soulen RL**

Youker JE; Baron MG; Gomes AS; Herfkens RJ; Higgins CB; Pettigrew R; Soulen RL: cardiac radiology. RSNA '90 meeting notes, Radiology 1991; **178:** 605

Youker JE; Baron MG; Gomes AS; Higgins CB; Soulen RL: cardiac radiology. RSNA '89 meeting notes, Radiology 1990; **174:** 598

Younathan CM; Ros PR; Burton SS: MR imaging of colonic lipoma, JCAT 1991; **15:** 492

Young C See **Santer R**

Young CL; Sim FH; Unni KK; et al: case report 559, Skeletal Radiol 1989; **18:** 403

Young G; L'Heureux PR; Krueckeberg ST; et al: mediastinal bronchogenic cyst: prenatal sonographic diagnosis, AJR 1989; **152:** 125

Young IR: magnetic resonance: boundless possibilities . . . or possible boundaries, Br J Radiol 1990; **63:** 1

Young IR; Bydder GM; Bryant DJ: problems with achieving saturation using methods based on bursts of rf pulses with spoilers in magnetic resonance imaging, Magn Res Med 1989; **11:** 127

Young IR; Bydder GM; Khenia S; et al: assessment of phase and amplitude effects due to susceptibilty variations in MR imaging of the brain, JCAT 1989; **13:** 490

Young IR; Coutts GA; Bryant DJ; et al: use of ultralong echo time imaging to assist in measuring the velocity of perfused flow *in vivo*, Magn Res Med 1989; **10:** 349

Young IR; Doran MD; Hajnal JV: applications of the intravoxel coherent motion technique to the central nervous system, Magn Res Med 1991; **19:** 266

Young IR; Hall AS: observations on the choice of reconstruction matrix in magnetic resonance imaging, Comput Med Imag Graph 1991; **15:** 225

Young J See **Burgess AR**

Young JEM See **Woods D**

Young JR See **Avery GR**

Young JR See **Lunt LG**

Young JR See **Olin JW**

Young JWR See **Resnik CS**

Young JWR See **Richardson P**

Young JWR: disorders of the patellofemoral joint. 2nd ed, Radiology 1991; **179:** 388

Young JWR; Aisner SC; Resnik CS; et al: case report 660, Skeletal Radiol 1991; **20:** 152

Young JWR; Kostrubiak IS; Resnik CS; et al: sonographic evaluation of bone production at the distraction site in Ilizarov limb-lengthening procedures, AJR 1990; **154:** 125

Young JWR; Kovelman H; Resnik CS; Paley D: radiologic assessment of bones after Ilizarov procedures, Radiology 1990; **177:** 89

Young JWR; Resnik CS: fracture of the pelvis: current concepts of classification, AJR 1990; **155:** 1169

Young JWR; Resnik CS; DeCandido P; et al: laminar space in the diagnosis of rotational flexion injuries of the cervical spine, AJR 1989; **152:** 103

Young LW See **Kraus RA**

Young MM; Kinsella TJ; Miser JS; et al: treatment of sarcomas of the chest wall using intensive combined modality therapy, Int J Radiat Oncol Biol Phys 1989; **16:** 49

Young N; Wong KP: antibody to cardiolipin causing hepatic infarction in a post partum patient with systemic lupus erythematosus, Australas Radiol 1991; **35:** 83

Young RH; Gilks CB; Scully RE: mucinous tumors of the appendix associated with mucinous tumors of the ovary and pseudomyxoma peritonei: a clinicopathological analysis of 22 cases supporting an origin in the appendix, (ab), Radiology 1991; **181:** 296

Young SR; Dyson M: effect of therapeutic ultrasound on angiogenesis, Ultrasound Med Biol 1990; **16:** 261

Young SR; Dyson M: macrophage responsiveness to therapeutic ultrasound, Ultrasound Med Biol 1990; **16:** 809

Young SW See **Drace JE**

Young SW See **Rubin DL**

Young SW: new competitive strategies for the practice of radiology in a changing economic environment, AJR 1989; **153:** 1091

Young SW; Andrews WA; Muller H; et al: induction of fracture healing using fibrous calcium phosphate composite spherulites, Invest Radiol 1991; **26:** 470

Young SW; Ballerio C; Carrol CL: visual fuzzy cluster analysis of MR images, AJR 1989; **152:** 19

Young SW; Simpson BB; Ratner AV; et al: MRI measurement of hepatocyte toxicity using the new MRI contrast agent manganese dipyridoxal diphosphate, a manganese/pyridoxal 5-phosphate chelate, Magn Res Med 1989; **10:** 1

Young TE See **Glynne-Jones RGT**

Young TY See **Cohn M**

Young W See **Hicks RJ**

Young W See **Sargent SK**

Young W; Blane C; White SJ; et al: congenital biliary dilatation: a spectrum of disease detailed by ultrasound, Br J Radiol 1990; **63:** 333

Young W; Sevcik M; Tallroth K: metaphyseal sclerosis in patients with chronic renal failure, Skeletal Radiol 1991; **20:** 197

Young WC See **Soulen MC**

Younger KA; Hall CM: epidermoid cyst of the spleen: a case report and review of the literature, Br J Radiol 1990; **63:** 652

Youngson B See **Samuels TH**

Younis LT See **Deligonul U**

Younkin D; Medoff-Cooper B; Guillet R; et al: in vivo ^{31}P nuclear magnetic resonance measurement of chronic changes in cerebral metabolites following neonatal intraventricular hemorrhage, (ab), Radiology 1989; **171:** 591

Yousefzadeh DK See **Ben-Ami T**

Yousefzadeh DK See **Glass RBJ**

Yousefzadeh DK See **Sennett CA**

Yousem DM; Arrington JA; Kumar AJ; et al: bright lesions on sellar/parasellar T1-weighted scans, Clin Imag 1990; **14:** 99

Yousem DM; Arrington JA; Zinreich SJ; Kumar AJ; Bryan RN: pituitary adenomas: possible role of bromocriptine in intratumoral hemorrhage, Radiology 1989; **170:** 239

Yousem DM; Atlas SW; Goldberg HI; et al: degenerative narrowing of the cervical spine neural foramina: evaluation with high-resolution 3DFT gradient-echo MR imaging, AJNR 1991; **12:** 229

Yousem DM; Atlas SW; Goldberg HI; et al: degenerative narrowing of the cervical spine neural foramina: evaluation with high-resolution 3DFT gradient-echo MR imaging, AJR 1991; **156:** 1229

Yousem DM; Atlas SW; Grossman RI; et al: MR imaging of Tolosa-Hunt syndrome, AJNR 1989; **10:** 1181
Yousem DM; Atlas SW; Grossman RI; et al: MR imaging of Tolosa-Hunt syndrome, AJR 1990; **154:** 167
Yousem DM; Balakrishnan J; Debrun GM; et al: hyperintense thrombus on GRASS MR images: potential pitfall in flow evaluation, AJNR 1990; **11:** 51
Yousem DM; Flamm ES; Grossman RI: comparison of MR imaging with clinical history in the identification of hemorrhage in patients with cerebral arteriovenous malformations, AJNR 1989; **10:** 1151
Yousem DM; Galetta SL; Gusnard DA; et al: MR findings in rhinocerebral mucormycosis, JCAT 1989; **13:** 878
Yousem DM; Gatewood OMB; Goldman SM; Marshall FF: transitional cell carcinoma of the upper urinary tract: reply, Radiology 1989; **170:** 283
Yousem DM; Gutmann DH; Milestone BN; et al: integrated MR imaging and proton nuclear magnetic resonance spectroscopy in a family with an X-linked spastic paraparesis, AJNR 1991; **12:** 785
Yousem DM; Janick PA; Atlas SW; et al: pseudoatrophy of the cervical portion of the spinal cord on MR images: a manifestation of the truncation artifact?, AJNR 1990; **11:** 373
Yousem DM; Janick PA; Atlas SW; et al: pseudoatrophy of the cervical portion of the spinal cord on MR images: a manifestation of the truncation artifact?, AJR 1990; **154:** 1069
Yousem DM; Lexa FJ; Bilaniuk LT; Zimmerman RI: rhabdomyosarcomas in the head and neck: MR imaging evaluation, Radiology 1990; **177:** 683
Yousem DM; Magid D; Scott WW Jr; et al: treated invasive cervical carcinoma: utility of computed tomography in distinguishing between skeletal metastases and radiation necrosis, Clin Imag 1989; **13:** 147
Yousem DM; Patrone PM; Grossman RI: leptomeningeal metastases: MR evaluation, JCAT 1990; **14:** 255
Yousem DM; Schnall MD: MR examination for spinal cord compression: impact of a multicoil system on length of study, JCAT 1991; **15:** 598
Yousem DM; Tasman WS; Grossman RI: proliferative retinopathy: absence of white matter lesions at MR imaging, Radiology 1991; **179:** 229
Yousem SA See **Faber CN**
Yousem SA See **Skeens JL**
Yousem SA; Randhawa P; Locker J; et al: posttransplant lymphoproliferative disorders in heart-lung-transplant recipients: primary presentation in the allograft, (ab), Radiology 1989; **173:** 883
Youssef E See **Rafla S**
Youssefzadeh S See **Salomonowitz E**
You-Wang Z; Taifu L; Ci-Xi F: intracavitary radiation treatment of nasopharyngeal carcinoma by the high dose rate afterloading technique, Int J Radiat Oncol Biol Phys 1989; **16:** 315
Yrizarry JM See **Gilliland JD**
Yrizarry JM See **Montalvo BM**
Yrizarry JM See **Nunez D Jr**
Yrizzary JM See **Russell E**
Ysrael C See **Bassett LW**
Ysrael M See **Bassett LW**
Yu A: head and neck oncology: clinical management, Radiology 1990; **176:** 406
Yu B-FB See **Marn CS**
Yu C-J See **Yang P-C**
Yu ECL See **Wong SN**
Yu EJ See **Im J-G**
Yu KK See **Schwaighofer BW**
Yu L; Kasser JR; O'Rourke E; et al: chronic recurrent multifocal osteomyelitis: association with vertebra plana, (ab), Radiology 1989; **172:** 888
Yu S See **Ho PSP**
Yu S See **Ji-Rong S**
Yu S See **Nguyen CM**
Yu S See **Nowicki BH**
Yu S See **Sether LA**
Yu S See **Wang ZL**
Yu S; Haughton VM; Lynch KL; et al: fibrous structure in the intervertebral disk: correlation of MR appearance with anatomic sections, AJNR 1989; **10:** 1105
Yu S; Haughton VM; Rosenbaum AE: magnetic resonance imaging and anatomy of the spine, Radiol Clin North Am 1991; **29:** 691
Yu S; Haughton VM; Sether LA; et al: comparison of MR and diskography in detecting radial tears of the anulus: a postmortem study, AJNR 1989; **10:** 1077
Yu S; Haughton VM; Sether LA; Ho K-C; Wagner M: criteria for classifying normal and degenerated lumbar intervertebral disks, Radiology 1989; **170:** 523
Yu VL See **Rubin J**
Yuan C See **Parker DL**
Yuan C See **Schmalbrock P**
Yuan C; Gullberg GT; Parker DL: flow-induced phase effects and compensation technique for slice-selective pulses, Magn Res Med 1989; **9:** 161
Yuan J See **Kavoussi LR**
Yuan Y-W; Shung KK: echoicity of whole blood, J Ultrasound Med 1989; **8:** 425
Yuasa Y See **Momoshima S**
Yücel AE; Durak H; Bernay I; et al: functional asplenia and portal hypertension in a patient with primary splenic hemangiosarcoma, Clin Nucl Med 1990; **15:** 324
Yucel EK See **Athanasoulis CA**
Yucel EK See **Dumoulin CL**
Yucel EK See **Steinberg FL**
Yucel EK: color Doppler flow imaging, JVIR 1991; **2:** 330
Yucel EK; Fisher JS; Egglin TK; Geller SC; Waltman AC: isolated calf venous thrombosis: diagnosis with compression US, Radiology 1991; **179:** 443
Yucel EK; Steinberg FL; Egglin TK; Geller SC; Waltman AC; Athanasoulis CA: penetrating aortic ulcers: diagnosis with MR imaging, Radiology 1990; **177:** 779
Yucel EK; Waltman AC: compression US in isolated calf venous thrombosis: reply, Radiology 1991; **181:** 352
Yudd A See **Masdeu JC**
Yudd AP; Van Heertum RL; Masdeu JC: interventions and functional brain imaging, Semin Nucl Med 1991; **21:** 153
Yue KT See **Redd DCB**
Yueh N; Halvorsen RA Jr; Letourneau JG; et al: gantry tilt technique for CT-guided biopsy and drainage, JCAT 1989; **13:** 182
Yuh WTC See **Barloon TJ**
Yuh WTC See **Crain MR**
Yuh WTC See **Flickinger FW**
Yuh WTC See **Hawes DR**
Yuh WTC See **Loes DJ**
Yuh WTC See **Nelson DR**
Yuh WTC See **Runge VM**
Yuh WTC See **Sato Y**
Yuh WTC See **Segall HD**
Yuh WTC; Barloon TJ; Sickels WJ; et al: magnetic resonance imaging in the diagnosis and followup of idiopathic retroperitoneal fibrosis, (ab), Radiology 1989; **172:** 885
Yuh WTC; Corson JD; Baraniewski HM; et al: osteomyelitis of the foot in diabetic patients: evaluation with plain film, ^{99m}Tc-MDP bone scintigraphy, and MR imaging, AJR 1989; **152:** 795
Yuh WTC; Crain MR; Loes DJ; et al: MR imaging of cerebral ischemia: findings in the first 24 hours, AJNR 1991; **12:** 621
Yuh WTC; Crain MR; Loes DJ; et al: MR imaging of cerebral ischemia: findings in the first 24 hours, AJR 1991; **157:** 565
Yuh WTC; Drew JM; Rizzo M; et al: evaluation of pachymeningitis by contrast-enhanced MR imaging in a patient with rheumatoid disease, AJNR 1990; **11:** 1247
Yuh WTC; Fisher DJ; Engelken JD; Greene GM; Sato Y; Ryals TJ; Crain MR; Ehrhardt JC: MR evaluation of CNS tumors: dose comparison study with gadopentetate dimeglumine and gadoteridol, Radiology 1991; **180:** 485
Yuh WTC; Flickinger FW; Willekes CL; et al: intraorbital tumor as the initial symptom of childhood acute lymphoblastic leukemia: magnetic resonance imaging findings, Clin Imag 1990; **14:** 120
Yuh WTC; Hunsicker LG; Nghiem DD; Sato Y; Smith JL; Wright FH; Corry RJ: pancreatic transplants: evaluation with MR imaging, Radiology 1989; **170:** 171
Yuh WTC; Lozano RL; Flickinger FW; et al: lumbar epidural chordoma: MR findings, JCAT 1989; **13:** 508
Yuh WTC; Zachar CK; Barloon TJ; Sato Y; Sickels WJ; Hawes DR: vertebral compression fractures: distinction between benign and malignant causes with MR imaging, Radiology 1989; **172:** 215
Yui N See **Togawa T**
Yuille DL See **Feider HK**
Yuki Y See **Tamura S**
Yüksel M See **Dogan R**
Yumoto T See **Kitaoka H**
Yune HY: inferior vena cava filter: search for an ideal device, Radiology 1989; **172:** 15
Yunis E See **Newman B**
Yussen PS See **Merenich WM**
Yvin JC See **Le Rumeur E**

Z

Zabel H-J See **Bachert-Baumann P**
Zablow A; LaNasa P: conservative management of stage I and II breast cancer, Radiology 1991; **181:** 608
Zacca NM; Raizner AE; Noon GP; et al: treatment of symptomatic peripheral atherosclerotic disease with a rotational atherectomy device, (ab), Radiology 1989; **172:** 886
Zachar CK See **Yuh WTC**
Zachariae C See **Grau C**
Zackrisson B; Johansson B; Östbergh P: relative biological effectiveness and oxygen enhancement ratio of 50 MV x-rays, Acta Oncol 1989; **28:** 529
Zador I See **Zureikat GY**
Zador IE See **Drugan A**
Zaepfel AC See **Rubens DJ**
Zafaranloo S See **Gerard PS**
Zafaranloo S; Gerard PS; Bryk D: xanthogranulomatous pyelonephritis in children: analysis by diagnostic modalities, Urol Radiol 1990; **12:** 18
Zafrani B See **Fourquet A**
Zafrir N See **Hellman C**
Zagars GK See **Carlton JC**
Zaghloul MS See **Kallman RF**
Zagoria RJ See **Dyer RB**
Zagoria RJ; Cowan RJ; Dyer RB; et al: false-positive radionuclide hepatobiliary imaging following cystic duct stone removal, Clin Nucl Med 1989; **14:** 153
Zagoria RJ; Dyer RB: computed tomography of primary renal osteosarcoma, JCAT 1991; **15:** 146
Zagoria RJ; Dyer RB; Harrison LH; Adams PL: percutaneous management of localized emphysematous pyelonephritis, JVIR 1991; **2:** 156
Zagoria RJ; Dyer RB; Herrera MA; et al: percutaneous dislodgement of an impaired cystic duct stone, Gastrointest Radiol 1989; **14:** 337
Zagoria RJ; Dyer RB; McCullough DL: angiomyolipoma arising in the renal sinus: a difficult radiologic diagnosis, Urol Radiol 1989; **11:** 139
Zagoria RJ; Scott MD; D'Souza VJ; et al: simple device to facilitate percutaneous insertion of the Kimray-Greenfield filter, AJR 1990; **154:** 621
Zagoria RJ; Wolfman NT; Karstaedt N; et al: CT features of renal cell carcinoma with emphasis on relation to tumor size, Invest Radiol 1990; **25:** 261
Zagzag D; Goldenberg M; Brem S: angiogenesis and blood-brain barrier breakdown modulate CT contrast enhancement: an experimental study in a rabbit brain-tumor model, AJNR 1989; **10:** 529
Zagzebski J See **Pozniak MA**
Zagzebski JA See **Yao LX**
Zagzebski JA: acoustic output of ultrasound equipment: summary of data reported to the AIUM, Ultrasound Med Biol 1989; **15:** S55
Zagzebski JA; Madsen EL; Frank GR: teaching phantom for sonographers, JCU 1991; **19:** 27
Zaharia M; Salem LE; Travezan R; et al: postoperative radiotherapy in the management of cancer of the maxillary sinus, Int J Radiat Oncol Biol Phys 1989; **17:** 967
Zahler R; Majumdar S; Frederick B; et al: NMR determination of myocardial pH *in vivo*: separation of tissue inorganic phosphate from blood 2,3-DPG, Magn Res Med 1991; **17:** 368
Zaider M See **Marchese MJ**
Zaidi AJ See **Joharjy IA**
Zainea GG; Lee F; McLeary RD; et al: transrectal ultrasonography in the evaluation of rectal and extrarectal disease, (ab), Radiology 1990; **174:** 585
Zaitoun R See **Dorros G**
Zaizov R See **Gomori JM**
Zajko AB See **Kaplan SB**
Zajko AB See **Lehar SC**
Zajko AB See **Miller WJ**
Zajko AB See **Rabinovitz M**
Zajko AB; Bennett MJ; Campbell WL; Koneru B: mucocele of the cystic duct remnant in eight liver transplant recipients: findings at cholangiography, CT, and US, Radiology 1990; **177:** 691
Zajko AB; Chablani V; Bron KM; et al: hemobilia complicating transhepatic catheter drainage in liver transplant recipients: management with selective embolization, Cardiovasc Intervent Radiol 1990; **13:** 285
Zajko AB; Claus D; Clapuyt P; Esquivel CO; Moulin D; Starzl TE; de Ville de Goyet J; Otte JB: obstruction to hepatic venous drainage after liver transplantation: treatment with balloon angioplasty, Radiology 1989; **170:** 763
Zakharov SI; Bogdanov KY; Rosenshtraukh LV; et al: effect of acoustic cavitation on the contraction force and membrane potential of rat papillary muscle, Ultrasound Med Biol 1989; **15:** 561
Zakko SF See **vanSonnenberg E**
Zaleske DJ See **Jaramillo D**
Zalev AH; Baker JP; Gardiner GW: linitis plastica of the alimentary tract and scrotum, Gastrointest Radiol 1990; **15:** 72

Zalev AH; Gardiner GW: Crohn's disease of the small intestine with polypoid configuration, Gastrointest Radiol 1991; **16:** 18
Zalev AH; Henderson RD; Marryatt GV: total fundoplication gastroplasty: surgical procedure and radiologic appearance, J Canad Assoc Radiol 1989; **40:** 12
Zalev AH; McLennan MK: double-contrast hypotonic duodenography after enteroclysis, J Canad Assoc Radiol 1991; **42:** 141
Zalev AH; Trudeau ME: carcinoma of the fallopian tube presenting as renal failure: case report, J Canad Assoc Radiol 1989; **40:** 112
Zalev AH; Warren RE: shigella colitis with radiological and endoscopic correlation: case report, J Canad Assoc Radiol 1989; **40:** 328
Zalud I See **Kurjak A**
Zaman MB See **Jules-Elysee KM**
Zamaroczy D; Schluesener HJ; Jolesz FA; et al: differentiation of experimental white matter lesions using multiparametric magnetic resonance measurements, Invest Radiol 1991; **26:** 317
Zamboni G See **Pea M**
Zamboni M See **Armellini F**
Zamir M; Sinclair P: origin of the brachiocephalic trunk, left carotid, and left subclavian arteries from the arch of the human aorta, Invest Radiol 1991; **26:** 128
Zammit-Maempel I See **Nicholson DA**
Zammit-Maempel I; Johnson RJ; Gattamaneni HR: late presentation of bone metastases in phaeochromocytoma, Br J Radiol 1991; **64:** 369
Zamora PO See **Oster ZH**
Zanco P See **Borsato N**
Zandback J See **Gomori JM**
Zander R See **Kallinowski F**
Zandt-Stastny D; Thorsen MK; Middleton WD; et al: inability of sonography to detect imminent ovulation, AJR 1989; **152:** 91
Zandt-Stastny DA See **Hinke DH**
Zanin DEA; van Dongen A; Hoefnagel CA; et al: radioimmunoscintigraphy using iodine-131-anti-CEA monoclonal antibodies and thallium-201 scintigraphy in medullary thyroid carcinoma: a case report, J Nucl Med 1990; **31:** 1854
Zanki M See **Panzer W**
Zankovich R See **Linden A**
Zanotti B See **Leonardi M**
Zanzonico P See **Berkmen YM**
Zanzonico PB; Bigler RE; Sgouros G; et al: quantitative SPECT in radiation dosimetry, Semin Nucl Med 1989; **19:** 47
Zaontz MR See **Bahnson RR**
Zaontz MR See **Fernbach SK**
Zaret P See **Lange DA**
Zargar SA See **Khuroo MS**
Zargar SA; Khuroo MS; Mahajan R; Jan GM; Shah P: US-guided fine-needle aspiration biopsy of gallbladder masses, Radiology 1991; **179:** 275
Zarmakoupis P See **Hadjigeorgi C**
Zarranz JJ; Fontan A; Forcadas I: MR imaging of presumed olivary hypertrophy in palatal myoclonus, AJNR 1990; **11:** 1164
Zaslav K See **Rafii M**
Zauber AG See **Botet JF**
Zavitz WR See **Mewissen MW**
Zawin J See **Abdelwahab IF**
Zawin M; McCarthy S; Scoutt LM; Comite F: endometriosis: appearance and detection at MR imaging, Radiology 1989; **171:** 693
Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F: monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Radiology 1990; **175:** 503
Zawin ML See **Scoutt LM**
Zayack D See **Dunn MS**
Zayer M See **Mathiesen T**
Zdybel PJ See **Larson JM**
Zech ER; Simmons LB; Kendrick RR; et al: cholecystokinin enhanced hepatobiliary scanning with ejection fraction calculation as an indicator of disease of the gallbladder, (ab), Radiology 1991; **180:** 588
Zee C-S See **Ashley DG**
Zee C-S See **Terasaki KK**
Zee C-S; Segall H; Apuzzo M; et al: MR imaging of pineal region neoplasms, JCAT 1991; **15:** 56
Zeeberg BR See **Kim H-J**
Zeeman BJ See **Cremin BJ**
Zeevi A See **Gryzan S**
Zegel HG See **Liem MD**
Zegel HG See **Montecalvo RM**
Zegel HG; Brisson LJ; Freiman DB; Weese J; Hartz W; Schilling JF: retained anchoring suture after removal of a cope-loop drainage catheter: use of the retract-and-cut method, JVIR 1991; **2:** 281
Zegel HG; Brisson LJ; Frost S; et al: Doppler ultrasonographic evaluation of Denver (peritoneovenous) shunts in two patients with intractable ascites, J Ultrasound Med 1991; **10:** 457
Zeifer B See **Goldstein JD**
Zeigler D See **Levison MA**
Zeilinger G See **Deeg KH**
Zeiss J See **Coombs RJ**
Zeiss J; Ebraheim NA; Rusin J: magnetic resonance imaging in the diagnosis of tarsal tunnel syndrome: case report, Clin Imag 1990; **14:** 123
Zeiss J; Saddemi SR; Ebraheim NA: MR imaging of the peroneal tunnel, JCAT 1989; **13:** 840
Zeiss J; Skie M; Ebraheim NA; et al: anatomic relations between the median nerve and flexor tendons in the carpal tunnel: MR evaluation in normal volunteers, AJR 1989; **153:** 533
Zeiss J; Velasco ME; McCann KM; et al: cerebral CT of lethal ethylene glycol intoxication with pathologic correlation, AJNR 1989; **10:** 440
Zeit RM See **Ramchandani P**
Zeitler E See **Kaiser WA**
Zeitz M See **Ziegler K**
Zelch JV See **Runge VM**
Zelefsky MJ See **Armstrong JG**
Zelefsky MJ; Nori D; Shiu MH; et al: limb salvage in soft tissue sarcomas involving neurovascular structures using combined surgical resection and brachytherapy, Int J Radiat Oncol Biol Phys 1990; **19:** 913
Zelefsky MJ; Scher HI; Forman JD; et al: palliative hemiskeletal irradiation for widespread metastatic prostate cancer: a comparison of single dose and fractionated regimens, Int J Radiat Oncol Biol Phys 1989; **17:** 1281
Zeligman BE See **Norton LW**
Zelis R See **Gascho JA**
Zeller P See **Gross W**
Zeman EM; Baker MA; Lemmon MJ; et al: structure-activity relationships for benzotriazine di-N-oxides, Int J Radiat Oncol Biol Phys 1989; **16:** 977
Zeman EM; Brown JM: pre- and post-irradiation radiosensitization by SR 4233, Int J Radiat Oncol Biol Phys 1989; **16:** 967
Zeman EM; Lemmon MJ; Brown JM: aerobic radiosensitization by SR 4233 *in vitro* and *in vivo*, Int J Radiat Oncol Biol Phys 1990; **18:** 125
Zeman RK See **Burrell MI**
Zeman RK See **Davros WJ**
Zeman RK See **Feld R**
Zeman RK See **Garra BS**
Zeman RK See **Lane J**
Zeman RK See **Mueller PR**
Zeman RK See **Paushter DM**
Zeman RK See **Silverman PM**
Zeman RK See **West MS**
Zeman RK; Al-Kawas F; Benjamin SB: gallstone lithotripsy: is there still cause for optimism?, Radiology 1991; **178:** 33
Zeman RK; Davros WJ; Garra BS; Goldberg JA; Horii SC; Silverman PM; Cattau EL Jr; Hayes WS; Cooper CJ: relationship between stone motion, targeting, and fragmentation during experimental biliary lithotripsy, Radiology 1990; **176:** 125
Zeman RK; Davros WJ; Garra BS; Horii SC: cavitation effects during lithotripsy: part I. results of in vitro experiments, Radiology 1990; **177:** 157
Zeman RK; Davros WJ; Goldberg JA; Garra BS; Hayes WS; Cattau EL Jr; Horii SC; Cooper CJ; Silverman PM: cavitation effects during lithotripsy: part II. clinical observations, Radiology 1990; **177:** 163
Zeman RK; Dritschilo A; Silverman PM; et al: dynamic CT vs 0.5 T MR imaging in the detection of surgically proven hepatic metastases, JCAT 1989; **13:** 637
Zeman RK; Marchand T; Davros WJ; et al: gallstone fragmentation during biliary lithotripsy: effect of stone composition and structure, AJR 1991; **156:** 493
Zemel G See **Becker GJ**
Zemel G See **Dake MD**
Zemel G; Benenati JF; Becker GJ; Katzen BT; Sallee DS: compact contrast material bolus with a new 5-F angiographic catheter, JVIR 1991; **2:** 279
Zemel G; Katzen BT; Dake MD; Benenati JF; Lempert TE; Moskowitz L: directional atherectomy in the treatment of stenotic dialysis access fistulas, JVIR 1990; **1:** 35
Zeng Q See **Zheng G**
Zenteno MA See **Del Brutto OH**
Zentner J See **Hassler W**
Zeppa MA; Forrest JV: aortoenteric fistula manifested as an intramural duodenal hematoma, AJR 1991; **157:** 47
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Zerhouni EA; Ricci C: normal age-related changes in bone marrow in the axial skeleton at MR imaging: reply, Radiology 1991; **179:** 877
Zerin JM See **Schlesinger AE**
Zerin JM: intrathoracic appendicitis in a ten-year-old girl, Invest Radiol 1990; **25:** 1162
Zerin JM; Ainge G: facial deformity and rash, Invest Radiol 1989; **24:** 159
Zerin JM; DiPietro MA: mesenteric vascular anatomy at CT: normal and abnormal appearances, Radiology 1991; **179:** 739
Zerin JM; DiPietro MA; Grignon A; et al: testicular infarction in the newborn: ultrasound findings, Pediatr Radiol 1990; **20:** 329
Zerin JM; Hernandez RJ; Sedman AB; et al: "dilatation" of the left renal vein on computed tomography in children: a normal variant, Pediatr Radiol 1991; **21:** 267
Zerin JM; Lebowitz RL: catheter malposition during cystography: a cause of diagnostic errors, AJR 1989; **153:** 363
Zerin JM; Lebowitz RL: spontaneous extraperitoneal rupture of the urinary bladder in children, Radiology 1989; **170:** 487
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Zerin JM; Rockwell DT; Garn SM; et al: carpometacarpal growth disturbance and the assessment of carpal narrowing in children with juvenile rheumatoid arthritis, Invest Radiol 1991; **26:** 727
Zettelmaier AE See **Kieburtz KD**
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Zeumer H; Freitag H-J; Grzyska U; et al: local intraarterial fibrinolysis is acute vertebrobasilar occlusion: technical developments and recent results, Neuroradiol 1989; **31:** 336
Zhan Q-M See **Shen Y**
Zhang C-C; Hu L-X; Guo D-W; et al: two giant congenital aneurysms of the left anterior descending coronary artery with right ventricle fistula: diagnosis based on two-dimensional echocardiography and magnetic resonance imaging, JCU 1990; **18:** 601
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Zheng G; Zeng Q; Wu P; et al: computed tomography in the management of nasopharyngeal carcinoma, Clin Radiol 1989; **40:** 25
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Zhong J; Gore JC: studies of restricted diffusion in heterogeneous media containing variations in susceptibility, Magn Res Med 1991; **19:** 276
Zhong J; Gore JC; Armitage IM: quantitative studies of hydrodynamic effects and cross-relaxation in protein solutions and tissues with proton and deuteron longitudinal relaxation times, Magn Res Med 1990; **13:** 192
Zhong J; Gore JC; Armitage IM: relative contributions of chemical exchange and other relaxation mechanisms in protein solutions and tissues, Magn Res Med 1989; **11:** 295
Zhou J; Lee SH; Rawat B; Fache JS; Maciejewska U; Burhenne HJ: iodinated contrast medium as an aid to gallstone dissolution with methyl *tert*-butyl ether: in vitro study, Radiology 1990; **175:** 479
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Zielinski JE; Larner JM; Hoffer PB; et al: synthesis of 11β-methoxy-[16α-^{123}I] iodoestradiol and its interaction with the estrogen receptor in vivo and in vitro, J Nucl Med 1989; **30:** 209
Ziemba MA See **Davis SJ**
Zierler RE See **Healy DA**
Zierler RE: duplex and color-flow imaging of the lower extremity arterial circulation, Semin US CT MR 1990; **11:** 168
Zierler RE; Kohler TR; Strandness DE Jr: duplex scanning of normal or minimally diseased carotid arteries: correlation with arteriography and clinical outcome, (ab), Radiology 1991; **179:** 295
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Zimmerman RA: central nervous system lymphoma, Radiol Clin North Am 1990; **28:** 697
Zimmerman RA: imaging of intrasellar, suprasellar, and parasellar tumors, Semin Roentgenol 1990; **25:** 174
Zimmerman RA: pediatric supratentorial tumors, Semin Roentgenol 1990; **25:** 225
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Zimmermann K; Amis ES Jr; Newhouse JH: nephrogenic adenoma of the bladder: urographic spectrum, Urol Radiol 1989; **11:** 123
Zimmon DS; Clemett AR: endoscopic management of biliary tract stones and stenosis, Cardiovasc Intervent Radiol 1990; **13:** 252
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Zingas AP See **Bis KG**
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Zink S: promise of a new technology: knowledge-based systems in radiation oncology and diagnostic radiology, Comput Med Imag Graph 1989; **13:** 281
Zinkin EB; Brammer WM; Colombo CA: general case of the day, Radiographics 1990; **10:** 1108
Zinman C; Wolfson N; Reis ND: osteochondritis dissecans of the dome of the talus: computed tomography scanning in diagnosis and follow-up, (ab), Radiology 1989; **171:** 294
Zinner MJ See **Howard TJ**
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Zinreich ES; Derogatis LR; Herpst J; et al: pre and posttreatment evaluation of sexual function in patients with adenocarcinoma of the prostate, Int J Radiat Oncol Biol Phys 1990; **19:** 729
Zinreich ES; Derogatis LR; Herpst J; et al: pretreatment evaluation of sexual function in patients with adenocarcinoma of the prostate, Int J Radiat Oncol Biol Phys 1990; **19:** 1001
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Zinreich SJ; Long DM; Davis R; et al: three-dimensional CT imaging in postsurgical "failed back" syndrome, JCAT 1990; **14:** 574
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Ziskin MC: acoustic models for tissue: overview, Ultrasound Med Biol 1989; **15:** S21
Ziskin MC: update on the safety of ultrasound in obstetrics, Semin Roentgenol 1990; **25:** 294
Ziskin MC; LaFollette PS Jr; Blathras K; et al: effect of scan format on refraction artifacts, Ultrasound Med Biol 1990; **16:** 183
Zissin R See **Rathaus V**
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Zissin R; Hertz M; Apter S; et al: focal renal infarction after retroperitoneal lymph-node dissection: CT diagnosis, AJR 1989; **153:** 325
Zito AJ; Teitelbaum GP; Matsumoto AH; et al: use of double guidewires through a single vascular sheath for obtaining profunda femoris arterial access: technical note, Cardiovasc Intervent Radiol 1990; **13:** 113
Zito JL See **Ashtari M**
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Ziv N; Grunebaum M; Kornreich L; et al: case report 512, Skeletal Radiol 1989; **17:** 598
Ziza JM See **Chapelon C**
Zi-Zhong L; Fang-Zhi H: external cobalt 60 irradiation alone for stage IIB carcinomma of the uterine cervix, Int J Radiat Oncol Biol Phys 1989; **16:** 339
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Zlatkin MB; Chao PC; Osterman AL; Schnall MD; Dalinka MK; Kressel HY: chronic wrist pain: evaluation with high-resolution MR imaging, Radiology 1989; **173:** 723
Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE: rotator cuff tears: diagnostic performance of MR imaging, Radiology 1989; **172:** 223
Zlatkin MB; Lenkinski RE; Shinkwin M; et al: combined MR imaging and spectroscopy of bone and soft tissue tumors, JCAT 1990; **14:** 1
Zobell RL See **Adye BA**
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Zola P; Volpe T; Castelli G; et al: is the published literature a reliable guide for deciding between alternative treatments for patients with early cervical cancer?, Int J Radiat Oncol Biol Phys 1989; **16:** 785
Zoli M; Cordiani MR; Marchesini G; et al: ultrasonographic follow-up of liver cirrhosis, JCU 1990; **18:** 91
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Zollikofer CL; Antonucci F; Pfyffer M; Redha F; Salomonowitz E; Stuckmann G; Largiadèr I; Marty A: arterial stent placement with use of the Wallstent: midterm results of clinical experience, Radiology 1991; **179:** 449
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Zonderland HM; Michiels JJ; Ten Kate FJW: case report: mammographic and sonographic demonstration of extramedullary haematopoiesis of the breast, Clin Radiol 1991; **44:** 64
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Zu'bi SM; Kirkwood R; Abbasy M; et al: intestinal activity visualized on radionuclide cisternography in patients with cerebrospinal fluid leak, J Nucl Med 1991; **32:** 151
Zucali R; Doci R; Bombelli L: combined chemotherapy—radiotherapy of anal cancer, Int J Radiat Oncol Biol Phys 1990; **19:** 1221
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Zuckier LS; Kirschenbaum ER: transitional cell carcinoma of the upper urinary tract, Radiology 1989; **170:** 282
Zuckier LS; Patel YD: incidental abnormalities detected during scintigraphy for gastrointestinal bleeding, Radiographics 1990; **10:** 467
Zuckier LS; Patel KA; Wexler JP; et al: hot clot sign: a new finding in deep venous thrombosis on bone scintigraphy, Clin Nucl Med 1990; **15:** 790
Zuckier LS; Rodriguez LD; Scharff MD: immunologic and pharmacologic concepts of monoclonal antibodies, Semin Nucl Med 1989; **19:** 166
Zuelzer WA See **Beltran J**
Zuerrer M See **Martin E**
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Zur Y; Wood ML; Neuringer LJ: motion-insensitive, steady-state free precession imaging, Magn Res Med 1990; **16:** 444
Zur Y; Zou X; Neuringer LJ: MR angiography without subtraction, Magn Res Med 1991; **19:** 361
Zur Y; Zou X; Neuringer LJ: multiecho, spin-echo sequence to eliminate unwanted echoes, Magn Res Med 1991; **19:** 464
Zureikat GY; Zador I; Aouthmany M; et al: cerebral infarct in patients with hemorrhagic shock and encephalopathy syndrome, Pediatr Radiol 1990; **20:** 301
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Zwas ST; Heyman Z; Lieberman LM: ^{131}I ovarian uptake in a whole-body scan for thyroid carcinoma, Semin Nucl Med 1989; **19:** 340
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Zweizig S; Schlaerth JB; Boswell WD Jr: computed tomography of lymphogranuloma venereum mimicking cervical cancer, Comput Med Imag Graph 1991; **15:** 97
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Zwiebel WJ; Knighton R: duplex examination of the carotid arteries, Semin US CT MR 1990; **11:** 97
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Zwirewich CV; Buckley AR; Kidney MR; et al: renal matrix calculus: sonographic appearance, J Ultrasound Med 1990; **9:** 61
Zwirewich CV; Mayo JR; Müller NL: low-dose high-resolution CT of lung parenchyma, Radiology 1991; **180:** 413
Zwirewich CV; Miller RR; Müller NL: multicentric adenocarcinoma of the lung: CT-pathologic correlation, Radiology 1990; **176:** 185

Zwirewich CV; Terriff B; Müller NL: high-spatial-frequency (bone) algorithm improves quality of standard CT of the thorax, AJR 1989; **153:** 1169

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Zylak CJ: editor's page: Radiological Society of North America, board of directors announces new appointments, Radiographics 1989; **9:** 797

Zylak CJ: Radiological Society of North America, 77th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, Illinois, Radiology 1991; **180:** 567

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evaluation of Spigelian hernia by CT, Shenouda NF; Hyams BB; Rosenbloom MB, JCAT 1990; **14:** 777

evaluation of ultrafast CT scanning of the adult abdomen, Goldberg HI; Gould RG; Feuerstein IM; et al, Invest Radiol 1989; **24:** 537

examples of complementary roles of abdominal CT and radiocolloid liver imaging, Shih W-J; Riley C, Clin Nucl Med 1989; **14:** 532

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

iohexol for contrast enhancement of bowel in pediatric abdominal CT, Smevik B; Westvik J, Acta Radiol 1990; **31:** 601

life-threatening intraperitoneal bleeding: demonstration with CT, Sivit CJ; Peclet MH; Taylor GA, Radiology 1989; **171:** 430

localized clotted blood as evidence of visceral trauma on CT: the sentinel clot sign, Orwig D; Federle MP, AJR 1989; **153:** 747

opacification of ascitic fluid on delayed contrast computed tomography scans, Hammerman AM; Oberle PA; Susman N, Clin Imag 1990; **14:** 221

pediatric abdominal trauma: evaluation by computed tomography, (ab), Kane NM; Cronan JJ; Dorfman GS; et al, Radiology 1989; **170:** 591

posterior abdominal stab wounds: role of CT evaluation, Fletcher TB; Setiawan H; Harrell RS; Redman HC, Radiology 1989; **173:** 621

primary CT diagnosis of abdominal masses in a PACS environment, Straub WH; Gur D; Good WF; Campbell WL; Davis PL; Hecht ST; Skolnick ML; Thaete FL; Rosenthal MS; Sashin D, Radiology 1991; **178:** 739

quadtree-based data compression of abdominal CT images, Halpern EJ; Levy HM; Newhouse JH; et al, Invest Radiol 1990; **25:** 31

recognition of previous abdominal surgery by computed tomography, Somers JM; Pollard SG; Dixon AK, JCAT 1991; **15:** 95

rectus abdominis sheath hematoma as a complication of tetanus: diagnosis by computed tomography scanning, Suhr GM; Green AE Jr, Clin Imag 1989; **13:** 82

retained surgical gauzes: acute and chronic CT and US findings, Liessi G; Semisa M; Sandini F; et al, Eur J Radiol 1989; **9:** 182

safe use of an intravenous power injector for CT: experience and protocol, Miles SG; Rasmussen JF; Litwiller T; Osik A, Radiology 1990; **176:** 69

technical aspects of abdominal CT in infants and children, Kaufman RA, AJR 1989; **153:** 549

ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; **10:** 117

upper abdominal lymph nodes: criteria for normal size determined with CT, Dorfman RE; Alpern MB; Gross BH; Sandler MA, Radiology 1991; **180:** 319

value of non–contrast-enhanced CT in blunt abdominal trauma, Kelly J; Raptopoulos V; Davidoff A; et al, AJR 1989; **152:** 41

visceral injury in battered children: a changing perspective, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **173:** 659

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Abdomen, cysts

abdominal wall cyst: a complication of ventriculoperitoneal shunting, Chow CC; Haney P, Pediatr Radiol 1991; **21:** 305

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Abdomen, diseases

acute abdomen in AIDS: CT diagnosis and triage, Kuhlman JE; Fishman EK, Radiographics 1990; **10:** 621

amyloidosis: diffuse involvement of the retroperitoneum, Glynn TP Jr; Kreipke DL; Irons JM, Radiology 1989; **170:** 726

computed tomography in abdominal Castleman's disease, Ferreirós J; León NG; Mata MI; et al, JCAT 1989; **13:** 433

interobserver variation in the interpretation of abdominal radiographs, Markus JB; Somers S; Franic SE; Moola C; Stevenson GW, Radiology 1989; **171:** 69

"nonspecific gas pattern", Bohrer SP, Radiology 1989; **173:** 283

Abdomen, hematoma

See Abdomen, hemorrhage

Abdomen, hemorrhage

bleeding complications of femoral catheterization: CT evaluation, Trerotola SO; Kuhlman JE; Fishman EK, Radiology 1990; **174:** 37

CT and anatomic study of postcatheterization hematomas, Trerotola SO; Kuhlman JE; Fishman EK, Radiographics 1991; **11:** 247

CT and ultrasound of abdominal hemorrhage in Henoch-Schönlein purpura, Demirci A; Cengiz K; Baris S; et al, JCAT 1991; **15:** 143

detection of active intraabdominal arterial hemorrhage: value of dynamic contrast-enhanced CT, Jeffrey RB Jr; Cardoza JD; Olcott EW, AJR 1991; **156:** 725

life-threatening intraperitoneal bleeding: demonstration with CT, Sivit CJ; Peclet MH; Taylor GA, Radiology 1989; **171:** 430

radionuclide imaging of a rectus sheath hematoma caused by insulin injections, Monsein LH; Davis M, Clin Nucl Med 1990; **15:** 539

rectus abdominis sheath hematoma as a complication of tetanus: diagnosis by computed tomography scanning, Suhr GM; Green AE Jr, Clin Imag 1989; **13:** 82

Abdomen, infection

comparison of technetium-99m-HM-PAO leukocytes with indium-111-oxine leukocytes for localizing intraabdominal sepsis, Mountford PJ; Kettle AG; O'Doherty MJ; et al, J Nucl Med 1990; **31:** 311

complementary role of computerised tomography and indium-111 labelled leucocytes in the management of sepsis, O'Neill H; Stack JP; Malone LA; et al, Eur J Radiol 1989; **9:** 134

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

infected abdominal tumors: percutaneous catheter drainage, Mueller PR; White EM; Glass-Royal M; Zeman RK; Saini S; Silverman SG; Hahn PF; Simeone JF, Radiology 1989; **173:** 627

intra-abdominal sepsis after hepatic resection, (ab), Pace RF; Blenkharn JI; Edwards WJ; et al, Radiology 1989; **172:** 883

MR imaging of thoracic and abdominal wall infections: comparison with other imaging procedures, Sharif HS; Clark DC; Aabed MY; et al, AJR 1990; **154:** 989

reliability of an intense focal abdominal lesion visualized only with gallium-67, Wegener WA; Heyman S, Clin Nucl Med 1990; **15:** 521

ultrasound changes in abdominal echinococcosis treated with albendazole, Sciarrino E; Virdone R; Iacono OL; et al, JCU 1991; **19:** 143

Abdomen, injuries

abdominal CT in children with neurologic impairment following blunt trauma: abdominal CT in comatose children, (ab), Taylor GA; Eichelberger MR, Radiology 1990; **174:** 591

blunt trauma in children: significance of peritoneal fluid, Sivit CJ; Taylor GA; Bulas DI; Bowman LM; Eichelberger MR, Radiology 1991; **178:** 185

bowel and mesenteric injury following blunt abdominal trauma: evaluation with CT, Rizzo MJ; Federle MP; Griffiths BG, Radiology 1989; **173:** 143

changes in splenic size after abdominal trauma, Goodman LR; Aprahamian C, Radiology 1990; **176:** 629

complementary roles of diagnostic peritoneal lavage and computed tomography in the evaluation of blunt abdominal trauma, (ab), Sorkey AJ; Farnell MB; Williams HJ Jr; et al, Radiology 1990; **175:** 289

computed tomography and diagnostic peritoneal lavage in blunt abdominal trauma: their combined role, (ab), Kearney PA; Vahey T; Burney RE; et al, Radiology 1989; **173:** 289

CT diagnosis of renal artery injury caused by blunt abdominal trauma, Lupetin AR; Mainwaring BL; Daffner RH, AJR 1989; **153:** 1065

CT evaluation of blunt abdominal trauma in children: comparison of ultrafast and conventional CT, Brody AS; Seidel FG; Kuhn JP, AJR 1989; **153:** 803

CT of blunt abdominal trauma in children, Taylor GA; Guion CJ; Potter BM; et al, AJR 1989; **153:** 555

CT signs of duodenal perforation secondary to blunt abdominal trauma, Hofer GA; Cohen AJ, JCAT 1989; **13:** 430

hematuria: a marker of abdominal injury in children after blunt trauma, (ab), Taylor GA; Eichelberger MR; Potter BM, Radiology 1989; **172:** 591

hematuria following blunt abdominal trauma: the utility of intravenous pyelography, (ab), Klein S; Johs S; Fujitani R; et al, Radiology 1989; **171:** 588

hepatic parenchymal and subcapsular gas after hepatic laceration caused by blunt abdominal trauma, Abramson SJ; Berdon WE; Kaufman RA; et al, AJR 1989; **153:** 1031

hepatic venous injury after blunt abdominal trauma, (ab), Hollands MJ; Little JM, Radiology 1990; **176:** 294

indications for computed tomography in children with blunt abdominal trauma, (ab), Taylor GA; Eichelberger MR; O'Donnell R; et al, Radiology 1991; **181:** 296

intra-abdominal abscess after blunt abdominal trauma, (ab), Goins WA; Rodriguez A; Joshi M; et al, Radiology 1991; **178:** 586

intraperitoneal splenosis: diagnosis by ultrasound and computed tomography, . Maillard J-C; Menu Y; Scherrer A; et al, Gastrointest Radiol 1989; **14:** 179

life-threatening intraperitoneal bleeding: demonstration with CT, Sivit CJ; Peclet MH; Taylor GA, Radiology 1989; **171:** 430

localized clotted blood as evidence of visceral trauma on CT: the sentinel clot sign, Orwig D; Federle MP, AJR 1989; **153:** 747

massive intramural duodenal haematoma following blunt abdominal trauma: case report, Parker GD; Williams JAR, Australas Radiol 1989; **33:** 192

pediatric abdominal trauma: evaluation by computed tomography, (ab), Kane NM; Cronan JJ; Dorfman GS; et al, Radiology 1989; **170:** 591

posterior abdominal stab wounds: role of CT evaluation, Fletcher TB; Setiawan H; Harrell RS; Redman HC, Radiology 1989; **173:** 621

seat belt injuries: radiologic findings and clinical correlation, Hayes CW; Conway WF; Walsh JW; Coppage L; Gervin AS, Radiographics 1991; **11:** 23

significance of hematuria in children after blunt abdominal trauma, Stalker HP; Kaufman RA; Stedje K, AJR 1990; **154:** 569

splenic trauma in adults: impact of CT grading on management, Scatamacchia SA; Raptopoulos V; Fink MP; Silva WE, Radiology 1989; **171:** 725

traumatic lumbar hernia: CT diagnosis, Faro SH; Racette CD; Lally JF; et al, AJR 1990; **154:** 757

urinary tract injury in patients with blunt chest trauma: the value of postaortographic abdominal radiographs, Rose SC; Braun SD; Newman GE; et al, Cardiovasc Intervent Radiol 1989; **12:** 258

value of CT in detecting bowel perforation in children after blunt abdominal trauma, Bulas DI; Taylor GA; Eichelberger MR, AJR 1989; **153:** 561

value of non–contrast-enhanced CT in blunt abdominal trauma, Kelly J; Raptopoulos V; Davidoff A; et al, AJR 1989; **152:** 41

visceral injury in battered children: a changing perspective, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **173:** 659

Abdomen, interventional procedure

percutaneous cecostomy: controlled transperitoneal approach, Morrison MC; Lee MJ; Stafford SA; Saini S; Mueller PR, Radiology 1990; **176:** 574

Abdomen, MR

abdominal magnetic resonance imaging, Harris TM; Cohen MD, Pediatr Radiol 1989; **20:** 10

abdominal MRI artifacts, Powers T; Lum A; Patton JA, Semin US CT MR 1989; **10:** 2

comparison of Kaopectate with barium for negative and positive enteric contrast at MR imaging, Mitchell DG; Vinitski S; Mohamed FB; Mammone JF; Haidet K; Rifkin MD, Radiology 1991; **181:** 475

CT and MR imaging in cystic abdominal lymphangiomatosis, Cutillo DP; Swayne LC; Cucco J; et al, JCAT 1989; **13:** 534

diagnosis of abdominal venous thrombosis by means of spin-echo and gradient-echo MR imaging: analysis with receiver operating characteristic curves, Arrivé L; Menu Y; Dessarts I; Dubray B; Vullierme M-P; Vilgrain V; Najmark D; Nahum H, Radiology 1991; **181:** 661

fast time-of-flight MR angiography with improved background suppression, Edelman RR; Chien D; Atkinson DJ; Sandstrom J, Radiology 1991; **179:** 867

fat-saturation MR imaging of the upper abdomen, Semelka RC; Chew W; Hricak H; et al, AJR 1990; **155:** 1111

forty-millisecond MR imaging of the abdomen at 2.0 T, Saini S; Stark DD; Rzedzian RR; Pykett IL; Rummeny E; Hahn PF; Wittenberg J; Ferrucci JT Jr, Radiology 1989; **173:** 111

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

GRASE (gradient- and spin-echo) MR imaging: a new fast clinical imaging technique, Feinberg DA; Oshio K, Radiology 1991; **181:** 597

magnetic resonance imaging in hemochromatosis: extrahepatic iron deposition, Housman JF; Chezmar JL; Nelson RC, Gastrointest Radiol 1989; **14:** 59

measurement of abdominal fat with T1-weighted MR images, Lancaster JL; Ghiatas AA; Alyassin A; Kilcoyne RF; Bonora E; DeFronzo RA, JMRI 1991; **1:** 363

MR imaging of endometriosis arising in cesarean section scar, Wolf GC; Kopecky KK, JCAT 1989; **13:** 150

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

MR imaging of the abdomen in children, Boechat MI; Kangarloo H, AJR 1989; **152:** 1245

MR imaging of thoracic and abdominal wall infections: comparison with other imaging procedures, Sharif HS; Clark DC; Aabed MY; et al, AJR 1990; **154:** 989

MR imaging: vascular anatomy of the abdomen, Barbaric ZL; Wegenius GA; Anderson GM, Radiographics 1989; **9:** 69

MRI of primary amyloidosis, Rafal RB; Jennis R; Kosovsky PA; et al, Gastrointest Radiol 1990; **15:** 199

normal abdominal enhancement patterns with dynamic gadolinium-enhanced MR imaging, Mirowitz SA; Gutierrez E; Lee JKT; Brown JJ; Heiken JP, Radiology 1991; **180:** 637

portal blood flow: measurement with MR imaging, Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H, Radiology 1989; **173:** 639

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders, Torres GM; Erquiaga E; Ros PR; Burton SS; Barreda R; Langmo LS; Kennedy SJ, Radiographics 1991; **11:** 785

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders: invited commentary, Mitchell DG, Radiographics 1991; **11:** 792

rapid acquisition spin-echo (RASE) MR imaging: a new technique for reduction of artifacts and acquisition time, Mirowitz SA; Lee JKT; Brown JJ; Eilenberg SS; Heiken JP; Perman WH, Radiology 1990; **175:** 131

sampling bandwidth and fat suppression: effects on long TR/TE MR imaging of the abdomen and pelvis at 1.5 T, Mitchell DG; Vinitski S; Rifkin MD; et al, AJR 1989; **153:** 419

two- and three-dimensional phase contrast MR angiography of the abdomen, Dumoulin CL; Yucel EK; Vock P; et al, JCAT 1990; **14:** 779

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

whole-body echo-planar MR imaging at 0.5 T, Stehling MK; Howseman AM; Ordidge RJ; Chapman B; Turner R; Coxon R; Glover P; Mansfield P; Coupland RE, Radiology 1989; **170:** 257

Abdomen, neoplasms

abdominal desmoids: CT findings in 25 patients, Einstein DM; Tagliabue JR; Desai RK, AJR 1991; **157:** 275

abdominal lymphadenopathy: spectrum of CT findings, Einstein DM; Singer AA; Chilcote WA; Desai RK, Radiographics 1991; **11:** 457

abdominal metastases of an ovarian cancer demonstrated on bone imaging, Ranner G; Ebner F; Fueger GF; et al, Clin Nucl Med 1989; **14:** 124

abdominal wall lipoma—CT and MRI appearance, Bloom RA; Gomori JM; Fields SI; et al, Comput Med Imag Graph 1991; **15:** 37

carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; **172:** 699

celiac plexus neurolysis with the modified transaortic approach, Lieberman RP; Waldman SD, Radiology 1990; **175:** 274

CT of malignant melanoma in the chest, abdomen, and musculoskeletal system, Fishman EK; Kuhlman JE; Schuchter LM; Miller JA III; Magid D, Radiographics 1990; **10:** 603

cystic mesothelioma of the peritoneum, O'Neil JD; Ros PR; Storm BL; Buck JL; Wilkinson EJ, Radiology 1989; **170:** 333

imaging of intra- and extraabdominal desmoid tumors, Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G, Radiographics 1991; **11:** 959

intra-abdominal desmoplastic small round-cell tumor: report of 19 cases of a distinctive type of high-grade polyphenotypic malignancy affecting young individuals, (ab), Gerald WL; Miller HK; Battifora H; et al, Radiology 1991; **181:** 610

lymphoma of the hollow abdominal viscera, Dodd GD, Radiol Clin North Am 1990; **28:** 771

lymphoma of the solid abdominal viscera, Shirkhoda A; Ros PR; Farah J; et al, Radiol Clin North Am 1990; **28:** 785

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders, Torres GM; Erquiaga E; Ros PR; Burton SS; Barreda R; Langmo LS; Kennedy SJ, Radiographics 1991; **11:** 785

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders: invited commentary, Mitchell DG, Radiographics 1991; **11:** 792

primary CT diagnosis of abdominal masses in a PACS environment, Straub WH; Gur D; Good WF; Campbell WL; Davis PL; Hecht ST; Skolnick ML; Thaete FL; Rosenthal MS; Sashin D, Radiology 1991; **178:** 739

renal atrophy or infarction in children with neuroblastoma, Day DL; Johnson RT; Odrezin GT; Woods WG; Alford BA, Radiology 1991; **180:** 493

sixty-year-old male with weight loss and abdominal mass, Harmon BH; Schertz LD; Shah HR, Invest Radiol 1990; **25:** 754

sonographically guided paracentesis for palliation of symptomatic malignant ascites, Ross GJ; Kessler HB; Clair MR; et al, AJR 1989; **153:** 1309

sonographic sliding sign in localization of right upper quadrant mass, Lim JH; Ko YT; Lee DH, J Ultrasound Med 1990; **9:** 455

sonography of abdominal desmoid tumors in adolescents, Mantello MT; Haller JO; Marquis JR, J Ultrasound Med 1989; **8:** 467

ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; **10:** 117

ultrasound in the investigation of the right iliac fossa mass, Millard FC; Collins MC; Peck RJ, Br J Radiol 1991; **64:** 17

ultrasound of extranodal abdominal lymphoma—a review, Goerg C; Schwerk WB, Clin Radiol 1991; **44:** 92

ultrasound of the palpable abdominal mass, Barker CS; Lindsell DRM, Clin Radiol 1990; **41:** 98

VIP secreting tumours in infancy: a review of radiological appearances, Davies RP; Slavotinek JP; Dorney SFA, Pediatr Radiol 1990; **20:** 504

Abdomen, radionuclide studies

abdominal metastases of an ovarian cancer demonstrated on bone imaging, Ranner G; Ebner F; Fueger GF; et al, Clin Nucl Med 1989; **14:** 124

carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; **172:** 699

comparison of technetium-99m-HM-PAO leukocytes with indium-111-oxine leukocytes for localizing intraabdominal sepsis, Mountford PJ; Kettle AG; O'Doherty MJ; et al, J Nucl Med 1990; **31:** 311

CT-SPECT fusion to correlate radiolabeled monoclonal antibody uptake with abdominal CT findings, Kramer EL; Noz ME; Sanger JJ; Megibow AJ; Maguire GQ, Radiology 1989; **172:** 861

enormous abdominal hernia: technetium-99m labeled RBC study, Brassard A; LeBel L; Laflamme L; et al, Clin Nucl Med 1989; **14:** 774

feasibility of digital teleradiology for imaging evaluation of patients with acute right upper quadrant abdominal pain, DiSantis DJ; Scatarige JC; Cramer MS; Kim MH, Radiology 1990; **177:** 707

gallium-67 imaging: chloroquine overdose, Havens PL; Sty JR; Wells RG, Clin Nucl Med 1989; **14:** 135

high [^{18}F]-fluorodeoxyglucose uptake in abdominal abscesses: a PET study, Tahara T; Ichiya Y; Kuwabara Y; et al, JCAT 1989; **13:** 829

intra-abdominal retained surgical sponges presenting as a photopenic mass on scintigraphy, Yeo EE; Low J, Clin Nucl Med 1991; **16:** 543

reliability of an intense focal abdominal lesion visualized only with gallium-67, Wegener WA; Heyman S, Clin Nucl Med 1990; **15:** 521

Abdomen, surgery

CT diagnosis of postoperative abdominal complications, Ghahremani GG; Gore RM, Radiol Clin North Am 1989; **27:** 787

intraabdominal adhesions: intraoperative US, Suslavich FJ; Turner NA; King PS; Brown HK, Radiology 1989; **172:** 387

recognition of previous abdominal surgery by computed tomography, Somers JM; Pollard SG; Dixon AK, JCAT 1991; **15:** 95

Abdomen, therapeutic radiology

chylous ascites after whole-abdomen irradiation for gynecologic malignancy, Lentz SS; Schray MF; Wilson TO, Int J Radiat Oncol Biol Phys 1990; **19:** 435

delayed split whole abdominal irradiation in the combined modality treatment of ovarian cancer, Calkins AR; Rosenshein NB; Fox MG; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 661

optimal coverage of peritoneal surface in whole abdominal radiation for ovarian neoplasms, LaRouere J; Perez-Tamayo C; Fraass B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 607

primary adjuvant whole abdominal irradiation in ovarian carcinoma, Lindner H; Willich H; Atzinger A, Int J Radiat Oncol Biol Phys 1990; **19:** 1203

toxicity of open-field whole abdominal irradiation as primary postoperative treatment in gynecologic malignancy, Schray MF; Martinez A; Howes AE, Int J Radiat Oncol Biol Phys 1989; **16:** 397

whole abdominal irradiation following chemotherapy in patients with minimal residual disease after second look surgery in ovarian carcinoma, Haie C; Pejovic-Lenfant MH; George M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 15

Abdomen, US

abdominal lymphoma in AIDS: evaluation with US, Townsend RR; Laing FC; Jeffrey RB Jr; Bottles K, Radiology 1989; **171:** 719

abdominal sonography in AIDS: a review, Yee JM; Raghavendra BN; Horii SC; et al, J Ultrasound Med 1989; **8:** 705

abdominal ultrasonography: improved image quality with the combined use of a diet and laxatives, Vogel HJP; Schipper J; Hermans J, JCU 1990; **18:** 627

color Doppler applications in the abdomen, (ab), Berland LL, Radiology 1990; **177:** 890

contribution of sonography to the measurement of intra-abdominal fat, Armellini F; Zamboni M; Rigo L; et al, JCU 1990; **18:** 563

diagnostic value of ultrasound in children with recurrent abdominal pain, van der Meer SB; Forget PP; Arends JW; et al, Pediatr Radiol 1990; **20:** 501

evaluation of right lower quadrant pain: ultrasound and CT, (ab), Jeffrey RB Jr; Megibow AJ, Radiology 1991; **180:** 883

fat pad vs. anterior subphrenic abscess: a new real-time sign, Vijayaraghavan SB, JCU 1989; **17:** 653

feasibility of digital teleradiology for imaging evaluation of patients with acute right upper quadrant abdominal pain, DiSantis DJ; Scatarige JC; Cramer MS; Kim MH, Radiology 1990; **177:** 707

hernias of the inferior lumbar space: diagnosis with US, Siffring PA; Forrest TS; Frick MP, Radiology 1989; **170:** 190

intraabdominal adhesions: intraoperative US, Suslavich FJ; Turner NA; King PS; Brown HK, Radiology 1989; **172:** 387

post-appendectomy fecalith detected by ultrasound, Coughlin WF; Wilson JL; Haggerty MF, JCU 1989; **17:** 197

retained surgical gauzes: acute and chronic CT and US findings, Liessi G; Semisa M; Sandini F; et al, Eur J Radiol 1989; **9:** 182

sonographic detection of fluid in the cul-de-sac in children—a normal finding?, Jequier S; Rousseau O, J Canad Assoc Radiol 1989; **40:** 266

sonographic detection of pneumoperitoneum in patients with acute abdomen, Lee DH; Lim JH; Ko YT; et al, AJR 1990; **154:** 107

sonographic sliding sign in localization of right upper quadrant mass, Lim JH; Ko YT; Lee DH, J Ultrasound Med 1990; **9:** 455

sonography of abdominal desmoid tumors in adolescents, Mantello MT; Haller JO; Marquis JR, J Ultrasound Med 1989; **8:** 467

total abdominal and pelvic ultrasound: incidental findings and a comparison between outpatient and general practice referrals in 1000 cases, Mills P; Joseph AEA; Adam EJ, Br J Radiol 1989; **62:** 974

ultrasonographic studies in the management of recurrent abdominal pain, (ab), Shanon A; Martin DJ; Feldman W, Radiology 1991; **178:** 592

ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; **10:** 117

ultrasound changes in abdominal echinococcosis treated with albendazole, Sciarrino E; Virdone R; Iacono OL; et al, JCU 1991; **19:** 143

ultrasound in the diagnosis of abdominal abscesses, Clin Radiol Clin Radiol 1990; **42:** 154

ultrasound in the investigation of the right iliac fossa mass, Millard FC; Collins MC; Peck RJ, Br J Radiol 1991; **64:** 17

ultrasound of the palpable abdominal mass, Barker CS; Lindsell DRM, Clin Radiol 1990; **41:** 98

value of immediate ultrasound in acute abdominal conditions: a critical appraisal, Walsh PF; Crawford D; Crossling FT; et al, Clin Radiol 1990; **42:** 47

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Abortion

detection of retained products of conception following spontaneous abortion in the first trimester, Kurtz AB; Shlansky-Goldberg RD; Choi HY; et al, J Ultrasound Med 1991; **10:** 387

prevalence and significance of subchorionic hemorrhage in threatened abortion: a sonographic study, Pedersen JF; Mantoni M, AJR 1990; **154:** 535

pseudogestational sacs: Doppler US differentiation from normal or abnormal intrauterine pregnancies, Dillon EH; Feyock AL; Taylor KJW, Radiology 1990; **176:** 359

routine intraoperative ultrasonography for second trimester abortion reduces incidence of uterine perforation, Darney PD; Sweet RL, J Ultrasound Med 1989; **8:** 71

threatened miscarriage and intrauterine hematomas: sonographic and biochemical studies, Stabile I; Campbell S; Grudzinskas JG, J Ultrasound Med 1989; **8:** 289

transvaginal sonographic diagnosis of a hydatidiform mole occurring two weeks after curettage for an incomplete abortion, Sherer DM; Allen T; Woods J Jr, JCU 1991; **19:** 224

Abscess

See also under names of individual organs and regions, such as Liver, abscess

buttock abscess complicating Crohn's disease, O'Malley BP; Minuk T; Castelli M, J Canad Assoc Radiol 1989; **40:** 51

formation of perinephric abscess following extracorporeal shock-wave lithotripsy, (ab), Karamalegos AZ; Diokno AC; Moylan DF, Radiology 1990; **175:** 884

MR imaging of fatal atlantoaxial dislocaton caused by retropharyngeal abscess, Chen MYM; Elster AD, AJNR 1990; **11:** 992

Abscess, CT

renal, perirenal, and pararenal abscesses: percutaneous drainage, Lang EK, Radiology 1990; **174:** 109

tubo-ovarian abscesses: CT-guided percutaneous drainage, Tyrrel RT; Murphy FB; Bernardino ME, Radiology 1990; **175:** 87

Abscess, percutaneous drainage

alternate approaches to pelvic abscess drainage after cystectomy, Place C; Nolan RL; Nickel JC, Urol Radiol 1989; **11:** 161

closed irrigation and drainage system for use with percutaneous abscess drainage: technical note, Palestrant AM; Esplin CA; Shaw GT, Cardiovasc Intervent Radiol 1990; **13:** 119

correlation of APACHE II score, drainage technique, and outcome in postoperative intraabdominal abscess, (ab), Levison MA; Zeigler D, JVIR 1991; **2:** 418

endovaginal sonography for guidance in draining pelvic fluid collections, Abbitt PL; Goldwag S; Urbanski S, AJR 1990; **154:** 849

improved treatment of intra-abdominal abscess: a result of improved localization, drainage, and patient care, not technique, (ab), Deveney CW; Lurie K; Deveney KE, Radiology 1989; **171:** 585

infected abdominal tumors: percutaneous catheter drainage, Mueller PR; White EM; Glass-Royal M; Zeman RK; Saini S; Silverman SG; Hahn PF; Simeone JF, Radiology 1989; **173:** 627

lung abscess: CT-guided drainage, vanSonnenberg E; D'Agostino HB; Casola G; Wittich GR; Varney RR; Harker C, Radiology 1991; **178:** 347

pelvic abscesses: CT-guided transrectal drainage, Gazelle GS; Haaga JR; Stellato TA; Gauderer MWL; Plecha DT, Radiology 1991; **181:** 49

percutaneous abscess and fluid drainage: a critical review, Lambiase RE, Cardiovasc Intervent Radiol 1991; **14:** 143

percutaneous abscess drainage: current concepts, vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW, Radiology 1991; **181:** 617

percutaneous drainage of abscess in psoas compartment and epidural space: case report and review of the literature, Cwikiel W, Acta Radiol 1991; **32:** 159

percutaneous drainage of chest abscesses in children, Ball WS Jr; Bisset GS III; Towbin RB, Radiology 1989; **171:** 431

percutaneous drainage of chest abscesses in children, Melhem RE, Radiology 1989; **173:** 575

percutaneous drainage of chest abscesses in children: reply, Ball WS Jr; Bisset GS III, Radiology 1989; **173:** 575

percutaneous drainage of postappendectomy abscesses complicated by enteric communication, Peer A; Strauss S, Cardiovasc Intervent Radiol 1991; **14:** 106

percutaneous drainage of retroperitoneal abscesses, Soffer M; Abecassis J-P; Bonnin A; Grateau G, Radiology 1989; **170:** 280

percutaneous drainage of subphrenic abscesses, Van Gansbeke D; Matos C; Gelin M; et al, Br J Radiol 1989; **62:** 127

percutaneous management of abscesses that involve native arteries or synthetic arterial grafts, Lambiase RE; Dorfman GS; Cronan JJ, Radiology 1989; **173:** 815

percutaneous treatment (including pseudocystogastrostomy) of 74 pancreatic pseudocysts, Grosso M; Gandini G; Cassinis MC; Regge D; Righi D; Rossi P, Radiology 1989; **173:** 493

perforated amebic liver abscesses: successful percutaneous treatment, Ken JG; vanSonnenberg E; Casola G; Christensen R; Polansky AM, Radiology 1989; **170:** 195

postoperative abscesses with enteric communication: percutaneous treatment, Lambiase RE; Cronan JJ; Dorfman GS; Paolella LP; Haas RA, Radiology 1989; **171:** 497

renal, perirenal, and pararenal abscesses: percutaneous drainage, Lang EK, Radiology 1990; **174:** 109

tubo-ovarian abscesses: CT-guided percutaneous drainage, Tyrrel RT; Murphy FB; Bernardino ME, Radiology 1990; **175:** 87

ultrasonically guided percutaneous drainage of abdominal fluid collections: a long-term study of its therapeutic efficacy, Civardi G; Fornari F; Cavanna L; et al, Gastrointest Radiol 1990; **15:** 245

ultrasonically guided percutaneous drainage of breast abscesses, Karstrup S; Nolsøe C; Brabrand K; et al, Acta Radiol 1990; **31:** 157

ultrasonically guided percutaneous treatment of liver abscesses, Juul N; Sztuk FJS; Torp-Pedersen S; et al, Acta Radiol 1990; **31:** 275

ultrasound: a method of brain abscess drainage monitoring, Goraj B; Kopytek M, Eur J Radiol 1991; **12:** 120

Abscess, radionuclide studies

clinical usefulness of technetium-99m HM-PAO labeled white blood cell imaging in abscesses, Mortelmans L; Verbruggen A; Augustinus J; et al, Clin Nucl Med 1989; **14:** 127

subperiosteal abscess in children: scintigraphic appearance, Allwright SJ; Miller JH; Gilsanz V, Radiology 1991; **179:** 725

unusual pattern of indium-111 leukocyte distribution in a patient with widespread infection, Fawcett MA; Fawcett HD, Clin Nucl Med 1989; **14:** 292

Abscess, US

failure of ultrasound to detect extra-pancreatic abscesses in severe acute pancreatitis, Mahon T; Malone D; Griffin J; et al, Eur J Radiol 1989; **9:** 248

pericholecystic abscess: classification of US findings to determine the proper therapy, Takada T; Yasuda H; Uchiyama K; Hasegawa H; Asagoe T; Shikata J, Radiology 1989; **172:** 693

supralevator abscess: evaluation with transrectal sonography, Grant TH; Eisenstein MM; Brandt T; et al, Gastrointest Radiol 1989; **14:** 354

tubo-ovarian abscesses: CT-guided percutaneous drainage, Tyrrel RT; Murphy FB; Bernardino ME, Radiology 1990; **175:** 87

US-guided transvaginal drainage of pelvic abscesses and fluid collections, vanSonnenberg E; D'Agostino HB; Casola G; Goodacre BW; Sanchez RB; Taylor B, Radiology 1991; **181:** 53

Abused children

See Children, injuries; Infants, injuries

Acetabulum

See also Hip

acetabulum: a prospective study of three-phase bone and indium white blood cell scintigraphy following porous-coated hip arthroplasty, Oswald SG; Van Nostrand D; Savory CG; et al, J Nucl Med 1990; **31:** 274

case report 573, Berson B; Abdelwahab IF; Hermann G; et al, Skeletal Radiol 1989; **18:** 547

case report 596, Cervilla V; Haghighi P; Resnick D; et al, Skeletal Radiol 1990; **19:** 135

computed tomography measurements of the acetabulum in adult dysplastic hips: which level is appropriate?, Anda S; Terjesen T; Kvistad KA, Skeletal Radiol 1991; **20:** 267

pelvic inclination and spatial orientation of the acetabulum: a radiographic, computed tomographic and clinical investigation, Anda S; Svenningsen S; Grøntvedt T; et al, Acta Radiol 1990; **31:** 389

Acetabulum, fractures

heterotopic ossification as a complication of acetabular fracture: prophylaxis with low-dose irradiation, (ab), Bosse MJ; Poka A; Reinert CM; et al, Radiology 1989; **171:** 590

role of post-operative radiation in the prevention of heterotopic ossification in patients with post-traumatic acetabular fracture, Slawson RG; Poka A; Bathon H; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 669

Achalasia

achalasia detected on a radiocolloid gastroesophageal transit study, Mack JM; Shapiro HR; Spencer RP, Clin Nucl Med 1990; **15:** 928

CT evaluation of achalasia, Rabushka LS; Fishman EK; Kuhlman JE, JCAT 1991; **15:** 434

jejunal interposition, Keller RJ; Sicular A, Gastrointest Radiol 1989; **14:** 9

other causes of distal esophageal ballooning, Raoul J-L; Bretagne J-F; Gastard J, Radiology 1989; **170:** 280

pediatric case of the day: annual meeting, 1988, Fernbach SK; Poznanski AK, Radiographics 1989; **9:** 563

radiographic and manometric correlation in achalasia with apparent relaxation of the lower esophageal sphincter, Ott DJ; Richter JE; Chen YM; et al, Gastrointest Radiol 1989; **14:** 1

radiographic evaluation of achalasia immediately after pneumatic dilatation with the Rigiflex dilator, Ott DJ; Donati D; Wu WC; et al, Gastrointest Radiol 1991; **16:** 279

Achondroplasia

See Bones, osteochondrodysplasias

Acquired immunodeficiency syndrome (AIDS)

abdominal lymphoma in AIDS: evaluation with US, Townsend RR; Laing FC; Jeffrey RB Jr; Bottles K, Radiology 1989; **171:** 719

abdominal sonography in AIDS: a review, Yee JM; Raghavendra BN; Horii SC; et al, J Ultrasound Med 1989; **8:** 705

abnormalities of the brain in AIDS patients: correlation of postmortem MR findings with neuropathology, Grafe MR; Press GA; Berthoty DP; et al, AJNR 1990; **11:** 905

acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN, Radiographics 1990; **10:** 201

acquired immunodeficiency syndrome: magnetic resonance patterns of brain involvement with pathologic correlation, (ab), Javrik JG; Hesselink JR; Kennedy C; et al, Radiology 1989; **171:** 294

acute abdomen in AIDS: CT diagnosis and triage, Kuhlman JE; Fishman EK, Radiographics 1990; **10:** 621

AIDS dementia complex: brain high-energy phosphate metabolite deficits, Bottomley PA; Hardy CJ; Cousins JP; Armstrong M; Wagle WA, Radiology 1990; **176:** 407

AIDS enteropathy: occult enteric infections and duodenal mucosal alterations in chronic diarrhea, (ab), Greenson JK; Belitsos PC; Yardley JH; et al, Radiology 1991; **180:** 882

AIDS-related non-Hodgkin's lymphoma: the outcome and efficacy of radiation therapy, DeWeese TL; Hazuka MB; Hommel DJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 803

angiocentric immunoproliferative lesion/T-cell non-Hodgkin's lymphoma and the acquired immune deficiency syndrome: a case report and review of the literature, (ab), Gold JE; Ghali V; Gold S; et al, Radiology 1991; **180:** 296

arthritis associated with HIV infection: radiographic manifestations, Rosenberg ZS; Norman A; Solomon G, Radiology 1989; **173:** 171

asymptomatic and neurologically symptomatic HIV-seropositive individuals: prospective evaluation with cranial MR imaging, Post MJD; Berger JR; Quencer RM, Radiology 1991; **178:** 131

attitudes toward the care of patients with acquired immunodeficiency syndrome: a survey of community internists, (ab), Somogyi AA; Watson-Abady JA; Mandel FS, Radiology 1990; **176:** 592

atypical manifestations of *Pneumocystis carini* pneumonia in the acquired immune deficiency syndrome: review of 123 lung biopsies from 76 patients with emphasis on cysts, vascular invasion, vasculitis, and granulomas, (ab), Travis WD; Pittaluga S; Lipschik GY; et al, Radiology 1990; **177:** 892

benign lymphoepithelial parotid tumors in AIDS patients: CT and MR findings in nine cases, Kirshenbaum KJ; Nadimpalli SR; Friedman M; et al, AJNR 1991; **12:** 271

benign lymphoepithelial parotid tumors in AIDS patients: CT and MR findings in nine cases, Kirshenbaum KJ; Nadimpalli SR; Friedman M; et al, AJR 1991; **156:** 1253

bowel obstruction in an infant with AIDS, Sivit CJ; Taylor GA; Patterson K; et al, AJR 1990; **154:** 803

brain imaging in acquired immunodeficiency syndrome dementia complex, Kramer EL; Sanger JJ, Semin Nucl Med 1990; **20:** 353

calcified hilar and mediastinal lymph nodes in an AIDS patient with *Pneumocystis carinii* infection, Groskin SA; Massi AF; Randall PA, Radiology 1990; **175:** 345

case of the season: nausea and vomiting in a patient with the acquired immunodeficiency syndrome, Szucs R, Semin Roentgenol 1991; **26:** 195

case report: bilateral upper lobe *Pneumocystis carinii* pneumonia in a patient receiving aerosolized pentamidine, Sanders TG; Northup HM; Wilf LH, Clin Radiol 1991; **43:** 356

case report: tuberculous broncho-oesophageal fistula in the acquired immunodeficiency syndrome, Allen CM; Craze J; Grundy A, Clin Radiol 1991; **43:** 60

cavitating and noncavitating granuloma in AIDS patients with *Pneumocystis* pneumonitis, Klein JS; Warnock M; Webb WR; et al, AJR 1989; **152:** 753

central airway obstruction due to cytomegalovirus-induced necrotizing tracheitis in a patient with AIDS, (ab), Imoto EM; Stein RM; Shellito JE; et al, Radiology 1991; **179:** 291

chest roentgenogram in pulmonary tuberculosis patients seropositive for human immunodeficiency virus type I, (ab), Long R; Maycher B; Scalcini M; et al, Radiology 1991; **179:** 883

cholangitis associated with cholecystitis in patients with acquired immunodeficiency syndrome, (ab), Iannuzzi C; Belghiti J; Erlinger S; et al, JVIR 1991; **2:** 297

cholescintigraphy in AIDS-related cholangitis: a case report, Kolin E; Mena IG, Clin Nucl Med 1990; **14:** 725

clinical utility of cranial CT in HIV positive and AIDS patients with neurological disease, Barber CJ; Rowlands PC; McCarty M; et al, Clin Radiol 1990; **42:** 164

comparative yield of blood culture for fungi and mycobacteria, liver biopsy, and bone marrow biopsy in the diagnosis of fever of undetermined origin in human immunodeficiency virus-infected patients, (ab), Prego V; Glatt AE; Roy V; et al, Radiology 1990; **176:** 592

cryptococcal pulmonary infection in patients with AIDS: radiographic appearance, Miller WT Jr; Edelman JM; Miller WT, Radiology 1990; **175:** 725

cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; **180:** 51

CT appearance in tuberculous pancreatic abscess, Cho KC; Lucak SL; Delany HM; et al, JCAT 1990; **14:** 152

CT appearance of primary CNS lymphoma in patients with acquired immunodeficiency syndrome, Goldstein JD; Zeifer B; Chao C; et al, JCAT 1991; **15:** 39

CT features of primary cerebral lymphoma in AIDS and non-AIDS patients, Poon T; Matoso I; Tchertkoff V; et al, JCAT 1989; **13:** 6

CT of AIDS-related lymphoma, Townsend RR, AJR 1991; **156:** 969

CT of the gut in the immunocompromised host, Jones B; Fishman EK, Radiol Clin North Am 1989; **27:** 763

cystic parotid lesions in patients at risk for the acquired immunodeficiency syndrome, (ab), Finfer MD; Schinella RA; Rothstein SG; et al, Radiology 1989; **172:** 589

cystic pulmonary lesions in patients with AIDS, Panicek DM, Radiology 1989; **173:** 12

detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989; **170:** 677

detection of thoracic infections by nuclear medicine techniques in the acquired immunodeficiency syndrome, Kramer EL; Sanger JJ, Radiol Clin North Am 1989; **27:** 1067

diagnostic implicatons of Ga-67 chest-scan patterns in human immunodeficiency virus–seropositive patients, Kramer EL; Sanger JJ; Garay SM; Grossman RJ; Tiu S; Banner H, Radiology 1989; **170:** 671

diagnostic role of nuclear medicine in the acquired immunodeficiency syndrome, Ganz WI; Serafini AN, J Nucl Med 1989; **30:** 1935

diagnostic significance of apparent abnormal bowel activity on Ga-67 scans in AIDS patients, Slizofski WJ; Brown SJ; Dadparvar S; et al, Clin Nucl Med 1991; **16:** 473

differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ, Radiology 1991; **179:** 653

dilated Virchow-Robin spaces in cryptococcal meningitis associated with AIDS: CT and MR findings, Wehn SM; Heinz ER; Burger PC; et al, JCAT 1989; **13:** 756

diseases of the chest in AIDS: CT diagnosis, Kuhlman JE; Fishman EK; Hruban RH; Knowles MC; Zerhouni EA; Siegelman SS, Radiographics 1989; **9:** 827

disseminated lymphatic tuberculosis in acquired immunodeficiency syndrome: computed tomography findings, Perich J; Ayuso MC; Vilana R; et al, J Canad Assoc Radiol 1990; **41:** 353

efficient management of diarrhea in the acquired immunodeficiency syndrome (AIDS): a medical decision analysis, (ab), Johanson JF; Sonnenberg A, Radiology 1990; **177:** 889

empyema of the gallbladder in a patient with AIDS-related complex, Yao L; Scialdone C, Clin Imag 1990; **14:** 157

encephalopathy in AIDS patients: evaluation with MR imaging, Flowers CH; Mafee MF; Crowell R; et al, AJNR 1990; **11:** 1235

enterovesical fistula in a patient with cryptosporidiosis and AIDS: CT demonstration, Meyers SA; Kuhlman JE; Fishman EK, Clin Imag 1990; **14:** 143

epidemiology of disseminated nontuberculous mycobacterial infection in the acquired immunodeficiency syndrome (AIDS), (ab), Horsburgh CR Jr; Selik RM, Radiology 1989; **172:** 888

epiglottitis in AIDS patients, (ab), Rothstein SG; Persky MS; Edelman BA; et al, Radiology 1990; **174:** 904

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

extrapulmonary *Pneumocystis carinii* in a patient with AIDS: sonographic findings, Spouge AR; Wilson SR; Gopinath N; et al, AJR 1990; **155:** 76

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

extrapulmonary pneumocystosis: the first 50 cases, (ab), Raviglione MC, Radiology 1991; **180:** 888

factors determining pulmonary deposition of aerosolized pentamidine in patients with human immunodeficiency virus infection, (ab), Smaldone GC; Fuhrer J; Steigbigel RT; et al, Radiology 1991; **181:** 908

failure of indium-111 leukocyte scanning to detect nodal involvement with mycobacterium avium-intracellulare infection in the acquired immunodeficiency syndrome, Bach MC, Clin Nucl Med 1989; **14:** 367

focal brain lesions on computed tomography in patients with acquired immune deficiency syndrome, Harrison PB; Clarke SD; Silver SF, J Canad Assoc Radiol 1990; **41:** 83

focal pulmonary lesions in patients with AIDS: percutaneous transthoracic needle biopsy, Scott WW Jr; Kuhlman JE, Radiology 1991; **180:** 419

Ga-67 citrate myocardial uptake in a patient with AIDS, toxoplasmosis, and myocarditis, Memel DS; DeRogatis AJ; William DC, Clin Nucl Med 1991; **16:** 315

gastric manifestations of AIDS: radiographic findings on upper gastrointestinal examination, Falcone S; Murphy BJ; Weinfeld A, Gastrointest Radiol 1991; **16:** 95

giant, human immunodeficiency virus-related ulcers in the esophagus, Levine MS; Loercher G; Katzka DA; Herlinger H; Rubesin SE; Laufer I, Radiology 1991; **180:** 323

hemorrhagic abscess in a patient with the acquired immunodeficiency syndrome, Casado-Naranjo I; Lopez-Trigo J; Ferrandiz A; et al, Neuroradiol 1989; **31:** 289

hepatic and biliary tract abnormalities in patients with AIDS: sonographic-pathologic correlation, Grumbach K; Coleman BG; Gal AA; et al, J Ultrasound Med 1989; **8:** 247

hepatic Kaposi sarcoma in AIDS: US and CT findings, Luburich P; Bru C; Ayuso MC; Azón A; Condom E, Radiology 1990; **175:** 172

hepatosplenic AIDS-related Kaposi's sarcoma, Valls C; Cañas C; Turell LG; et al, Gastrointest Radiol 1991; **16:** 342

high resolution computed tomography of *Pneumocystis carinii* pneumonia in AIDS, Moskovic E; Miller R; Pearson M, Clin Radiol 1990; **42:** 239

high signal intensity of both putamina in patients with HIV infection, Kodama T; Numaguchi Y; Gellad FE; et al, Neuroradiol 1991; **33:** 362

HIV-associated lymphocytic interstitial pneumonia: radiologic manifestations and pathologic correlation, Oldham SAA; Castillo M; Jacobson FL; Mones JM; Saldana MJ, Radiology 1989; **170:** 83

Hodgkin's disease in association with acquired immunodeficiency syndrome (AIDS): a report on 36 patients, Tirelli U; Vaccher E; Rezza G; et al, Acta Oncol 1989; **28:** 637

human immunodeficiency virus (HIV) infection and the kidney, (ab), Glassock RJ; Cohen AH; Danovitch G; et al, Radiology 1990; **176:** 295

imaging of infants and children with AIDS, Haney PJ; Yale-Loehr AJ; Nussbaum AR; et al, AJR 1989; **152:** 1033

intraabdominal *Mycobacterium tuberculosis* vs *Mycobacterium avium-intracellulare* infections in patients with AIDS: distinction based on CT findings, Radin DR, AJR 1991; **156:** 487

intracranial cryptococcosis in immunocompromised patients: CT and MR findings in 29 cases, Tien RD; Chu PK; Hesselink JR; et al, AJNR 1991; **12:** 283

intracranial human immunodeficiency virus infection in an infant: sonographic findings, Sica GT; Norton KI, Pediatr Radiol 1990; **21:** 64

Kaposi sarcoma involving bone: CT demonstration in a patient with AIDS, Meyers SA; Kuhlman JE; Fishman EK, JCAT 1990; **14:** 161

Legionella lung cavitation, Mirich DR; Gray RR; Hyland R, J Canad Assoc Radiol 1990; **41:** 100

long-term amphotericin B therapy for disseminated histoplasmosis in patients with the acquired immunodeficiency syndrome (AIDS), (ab), McKinsey DS; Gupta MR; Riddler SA; et al, Radiology 1990; **175:** 591

lung cancer in patients seropositive for human immunodeficiency virus, Braun MA; Killam DA; Remick SC; Ruckdeschel JC, Radiology 1990; **175:** 341

lymphoid neoplasia associated with the acquired immunodeficiency syndrome (AIDS): the New York University Medical Center experience with 105 patients (1981-1986), (ab), Knowles DM; Chamulak GA; Subar M; et al, Radiology 1989; **170:** 295

lymphoma in the immunocompromised patient, Haskal ZJ; Lindan CE; Goodman PC, Radiol Clin North Am 1990; **28:** 885

lymphomatoid granulomatosis and malignant lymphoma of the central nervous system in the acquired immunodeficiency syndrome, (ab), Anders KH; Latta H; Chang BS; et al, Radiology 1989; **173:** 294

magnetic resonance hypointense spine of AIDS, Geremia GK; McCluney KW; Adler SS; et al, JCAT 1990; **14:** 785

magnetic resonance imaging findings in HIV cognitive impairment, (ab), Kieburtz KD; Ketonen L; Zettelmaier AE; et al, Radiology 1991; **178:** 900

metabolic asymmetries in asymptomatic HIV-1 seropositive subjects: relationship to disease onset and MRI findings, Pascal S; Resnick L; Barker WW; et al, J Nucl Med 1991; **32:** 1725

method to control spraying of high-velocity infected blood droplets during arterial catheterization, Cope C; Machan L, Radiology 1990; **174:** 1055

MR imaging of acute transverse myelitis and AIDS myelopathy, Barakos JA; Mark AS; Dillon WP; et al, JCAT 1990; **14:** 45

MR imaging of AIDS myelitis, Shabas D; Gerard G; Cunha B; et al, AJNR 1989; **10:** S51

MRI pattern of progressive multifocal leukoencephalopathy (PML) in AIDS: pathological correlations, Trotot PM; Vazeux R; Yamashita HK; et al, J Neuroradiol 1990; **17:** 233

multifocal cytomegalovirus-associated hepatic lesions simulating metastases in AIDS, Vieco PT; Rochon L; Lisbona A, Radiology 1990; **176:** 123

mycobacterial esophagitis in AIDS, Goodman P; Pinero SS; Rance RM; et al, Gastrointest Radiol 1989; **14:** 103

myelography in patients with acquired immuno deficiency syndrome: indications and results, Borgstein B-J; Koster PA; Portegies P; et al, Neuroradiol 1989; **31:** 326

nervous system manifestations and neuroradiologic findings in acquired immunodeficiency syndrome (AIDS), Rodesch G; Parizel PM; Farber C-M; et al, Neuroradiol 1989; **31:** 33

neuroradiological manifestations of the acquired immune deficiency syndrome, Loneragan R; Doust BD; Walker J, Australas Radiol 1990; **34:** 32

new universal precaution aspiration tray, Mueller PR; Silverman SG; Tung G; Brink JA; Cardenosa G; Saini S; Forman BH; Hahn PF, Radiology 1989; **173:** 278

oesophageal symptoms, their causes, treatment, and prognosis in patients with the acquired immunodeficiency syndrome, (ab), Connolly GM; Hawkins D; Harcourt-Webster JN; et al, Radiology 1990; **174:** 585

osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; **177:** 77

parotid enlargement in children seropositive for human immunodeficiency virus: imaging findings, Soberman N; Leonidas JC; Berdon WE; et al, AJR 1991; **157:** 553

pediatric acquired immunodeficiency syndrome: neurologic syndromes, (ab), Belman AL; Diamond G; Dickson D; et al, Radiology 1989; **170:** 294

peliosis hepatis in a patient with human immunodeficiency virus infection, Radin DR; Kanel GC, AJR 1991; **156:** 91

pleural effusion as a presentation of AIDS-related lymphoma, Sider L; Horton ES Jr, Invest Radiol 1989; **24:** 150

pneumatosis intestinalis in children with AIDS, Sivit CJ; Josephs SH; Taylor GA; et al, AJR 1990; **155:** 133

Pneumocystis carinii involvement of the liver and spleen: CT demonstration, Fishman EK; Magid D; Kuhlman JE, JCAT 1990; **14:** 146

pneumocystis carinii penumonia in an AIDS patient: unusual manifestation as multiple cavitary and noncavitary peripheral pulmonary modules and spontaneous pneumothorax, Shin MS; Liendo C; Ho K-J, Clin Imag 1989; **13:** 225

Pneumocystis carinii pneumonia: effect of corticosteroid treatment on radiographic appearance in a patient with AIDS, Groskin SA; Stadnick ME; DuPont PG, Radiology 1991; **180:** 423

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

postpneumocystis aspergilloma in AIDS: CT features, Torrents C; Alvarez-Castells A; Vicente de Vera P; et al, JCAT 1991; **15:** 304

practice corner: doctors and AIDS: double standard and double jeopardy, Heilman RS, Radiographics 1991; **11:** 382

premature bullous pulmonary damage in AIDS: CT diagnosis, Kuhlman JE; Knowles MC; Fishman EK; Siegelman SS, Radiology 1989; **173:** 23

primary central nervous system lymphoma in patients with and without the acquired immune deficiency syndrome: a retrospective analysis and review of the literature, (ab), Remick SC; Diamond C; Migliozzi JA; et al, Radiology 1991; **179:** 591

primary central nervous system lymphoma versus toxoplasmosis in AIDS, Dina TS, Radiology 1991; **179:** 823

primary cerebral lymphoma in acquired immunodeficiency syndrome (AIDS)—CT manifestations, Orron DE; Kuhn MJ; Malholtra V; et al, Comput Med Imag Graph 1989; **13:** 207

primary lymphoma of the CNS in an infant with AIDS: imaging findings, Douek P; Bertrand Y; Tran-Minh VA; et al, AJR 1991; **156:** 1037

progressive multifocal leukoencephalopathy in patients with AIDS: appearance on MR images, Mark AS; Atlas SW, Radiology 1989; **173:** 517

proton MR spectroscopy and imaging of the brain in AIDS: evidence of neuronal loss in regions that appear normal with imaging, Menon DK; Baudouin CJ; Tomlinson D; et al, JCAT 1990; **14:** 882

psoriatic arthritis and acquired immunodeficiency syndrome, (ab), Espinoza LR; Berman A; Vasey FB; et al, Radiology 1989; **171:** 294

pulmonary calcification caused by *Pneumocystis carinii* pneumonia: a clinicopathological study of 13 cases in acquired immune deficiency syndrome patients, (ab), Lee MM; Schinella RA, Radiology 1991; **180:** 885

pulmonary cystic disease: comparison of *P*neumocystis carinii pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

pulmonary cysts associated with *Pneumocystis carinii* pneumonia in patients with AIDS, Sandhu JS; Goodman PC, Radiology 1989; **173:** 33

pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA, Radiology 1991; **180:** 409

pulmonary manifestations of AIDS: CT and radiographic correlations, Naidich DP; McGuinness G, Radiol Clin North Am 1991; **29:** 999

pulmonary neoplastic and lymphoproliferative disease in AIDS: a review, Heitzman ER, Radiology 1990; **177:** 347

pulmonary tuberculosis in patients with acquired immunodeficiency syndrome, Goodman PC, J Thorac Imag 1990; **5-2:** 38

quantitative I-123-IMP brain SPECT and neuropsychological testing in AIDS dementia, Kuni CC; Rhame FS; Meier MJ; et al, Clin Nucl Med 1991; **16:** 174

radiation therapy for AIDS-related Kaposi's sarcoma, Berson AM; Quivey JM; Harris JW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 569

radiographic distribution of *Pneumocystis carinii* pneumonia in patients with AIDS treated with prophylactic inhaled pentamidine, Chaffey MH; Klein JS; Gamsu G; Blanc P; Golden JA, Radiology 1990; **175:** 715

radiographic findings in pulmonary tuberculosis: the influence of human immunodeficiency virus infection, Gutiérrez J; Miralles R; Coll J; et al, Eur J Radiol 1991; **12:** 234

radiological features of AIDS related cholangitis, McCarty M; Choudhri AH; Helbert M; et al, Clin Radiol 1989; **40:** 582

radiologic distinction of pyrogenic pulmonary infection from *Pneumocystis carinii* pneumonia in AIDS patients, Amorosa JK; Nahass RG; Nosher JL; Gocke DJ, Radiology 1990; **175:** 721

radiologic insertion of Hickman catheters in HIV-positive patients: infectious complications, Dick L; Mauro MA; Jaques PF; Buckingham P, JVIR 1991; **2:** 327

relation between resource use and in-hospital mortality for patients with acquired immunodeficiency syndrome-related *Pneumocystis carinii* pneumonia, (ab), Bennett CL; Gertler P; Guze PA; et al, Radiology 1990; **177:** 892

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

retrospective analysis of the efficacy of open lung biopsy in acquired immunodeficiency syndrome, (ab), Bonfils-Roberts EA; Nickodem A; Nealon TF Jr, Radiology 1990; **176:** 588

reversal of brain metabolic abnormalities following treatment of AIDS dementia complex with 3'-azido-2',3'-dideoxythymidine (AZT, zidovudine): a PET-FDG study, Brunetti A; Berg G; Di Chiro G; et al, J Nucl Med 1989; **30:** 581

risk for occupational transmission of human immunodeficiency virus type 1 (HIV-1) associated with clinical exposures: a prospective evaluation, (ab), Henderson DK; Fahey BJ; Willy M; et al, JVIR 1991; **2:** 423

sarcoidosis complicated by HIV infection: three case reports and a review of the literature, (ab), Lowery WS; Whitlock WL; Dietrich RA; et al, Radiology 1991; **179:** 293

scintigraphic pattern of pneumothorax complicating pneumocystis carinii *Pneumonia* in patients with AIDS, Finestone H; Goldfarb CR; Ongseng F; et al, Clin Nucl Med 1990; **15:** 566

single-photon emission computed tomography in human immunodeficiency virus encephalopathy: a preliminary report, Masdeu JC; Yudd A; Van Heertum L; et al, J Nucl Med 1991; **32:** 1471

sonographic diagnosis of cholangitis in AIDS patients, Defalque D; Menu Y; Girard P-M; et al, Gastrointest Radiol 1989; **14:** 143

SPECT gallium-67 scanning in early human immunodeficiency virus (HIV) infection: failure of scanning abnormalities to correlate with immunologic staging, Anders GT; Timmons JH; Johnson JE; et al, Clin Nucl Med 1990; **15:** 295

subcutaneous Kaposi's sarcoma: thallium scan demonstration, Lee VW; Chen H; Panageas E; et al, Clin Nucl Med 1990; **15:** 569

thin-walled cavities, cysts, and pneumothorax in *Pneumocystis carinii* pneumonia: further observations with histopathologic correlation, Feuerstein IM; Archer A; Pluda JM; Francis PS; Falloon J; Masur H; Pass HI; Travis WD, Radiology 1990; **174:** 697

thrombotic thrombocytopenia purpura in patients with the acquired immunodeficiency syndrome (AIDS)-related complex: a report of two cases, (ab), Nair JMG; Bellevue R; Bertoni M; et al, Radiology 1989; **170:** 904

toxoplasmic myelitis in AIDS: gadolinium-enhanced MR, Harris TM; Smith RR; Bognanno JR; et al, JCAT 1990; **14:** 809

toxoplasmosis of the stomach: a cause of antral narrowing, Smart PE; Weinfeld A; Thompson NE; Defortuna SM, Radiology 1990; **174:** 369

tuberculous abscess of the testicle in AIDS: sonographic demonstration, Goodman P; Maklad NF; Verani RR; et al, Urol Radiol 1990; **12:** 53

varied appearance of AIDS-related lymphoma in the chest, Sider L; Weiss AJ; Smith MD; VonRoenn JH; Glassroth J, Radiology 1989; **171:** 629

visceral and nodal calcification in patients and AIDS-related *Pneumocystis carinii* infection, Radin DR; Baker EL; Klatt EC; et al, AJR 1990; **154:** 27

visceral calcification in patients with AIDS may not always be due to *Pneumocystis carinii*, Towers MJ; Withers CE; Hamilton PA; et al, AJR 1991; **156:** 745

widespread visceral calcifications in disseminated *Pneumocystis carinii* infection: CT characteristics, Feuerstein IM; Francis PS; Raffeld M; et al, JCAT 1990; **14:** 149

Acromegaly

acromegalic arthropathy: characteristics and response to therapy, (ab), Layton MW; Fudman EJ; Barkan A; et al, Radiology 1989; **171:** 293

diagnosis of acromegaly: value of inferior petrosal sinus sampling, Doppman JL; Miller DL; Patronas NJ; et al, AJR 1990; **154:** 1075

external radiation of growth hormone producing pituitary adenomas: prolactin as a marker of hypothalamic and pituitary effects, af Trampe E; Lundell G; Lax I; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 655

heel pad thickness is an insensitive index of biochemical remission in acromegaly, MacSweeney JE; Baxter MA; Joplin GF, Clin Radiol 1990; **42:** 348

results of radiotherapy in the treatment of acromegaly: lack of ophthalmologic complications, Dowsett RJ; Fowble B; Sergott RC; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 453

Acro-osteolysis

See Osteolysis

Actinomycosis

actinomycosis of the greater omentum, Wan YL; Ng SH; Lee TY; et al, Gastrointest Radiol 1989; **14:** 38

anorectal actinomycosis: CT evaluation, Niethammer JG; Gould HR; Nelson HS Jr, JCAT 1990; **14:** 838

bronchial carcinoma following pulmonary and thoracic wall actinomycosis: report on one case with emphasis on CT findings, de Verbizier G; Sperber M; Laurent F; et al, Comput Med Imag Graph 1990; **14:** 277

case of the month: an unusual case of pneumonia, Chaudhuri R, Br J Radiol 1991; **64:** 175

case report: pelvic actinomycosis with the development and resolution of a recto-sigmoid stricture, Turnbull AE; Cohen MEL, Clin Radiol 1991; **43:** 420

cervico-facial actinomycosis evaluated by multiple imaging studies, Hardoff R; Gips S; Meyer VS; et al, Clin Nucl Med 1989; **14:** 216

hepatic actinomycosis with portal vein occlusion, Cheng YF; Hung CF; Liu YH; et al, Gastrointest Radiol 1989; **14:** 268

mediastinal actinomycosis, Morgan DE; Nath H; Sanders C; et al, AJR 1990; **155:** 735

misdiagnosis or missed diagnosis? thoracic actinomycosis and carcinoma on sequential CT-guided lung biopsies, Macaulay SE; vanSonnenberg E; Casola G; et al, AJR 1990; **155:** 1183

pelvic actinomycosis associated with intrauterine devices, O'Connor KF; Bagg MN; Croley MR; Schabel SI, Radiology 1989; **170:** 559

pelvic actinomycosis: beware the intrauterine contraceptive device, Williams CE; Lamb GHR; Lewis-Jones HG, Br J Radiol 1990; **63:** 134

technetium-99m-MIBI and thallium-201 uptake in pulmonary actinomycosis, Aktolun C; Demirel D; Kir M; et al, J Nucl Med 1991; **32:** 1429

unusual anterior chest wall tumor due to actinomycosis in a child, Hachitanda Y; Nakagawara A; Ikeda K, Pediatr Radiol 1989; **20:** 96

Addison disease

See Adrenal gland, insufficiency

Adenocarcinoma

aclarubicin in the treatment of advanced gastrointestinal adenocarcinoma, Elomaa I; Salmo M; Roos L; et al, Acta Oncol 1990; **29:** 636

adenocarcinoma in a sigmoid conduit: case report, Erb RE; Kaufman AJ; Koch MO; et al, Urol Radiol 1990; **12:** 115

adenocarcinoma in Barrett's oesophagus: an overrated risk, (ab), Van der Veen AH; Dees J; Blankensteijn JD; et al, Radiology 1989; **172:** 882

adenocarcinoma of the esophagus and esophago-gastric junction: the effects of single and combined modalities on the survival and patterns of failure following treatment, Whittington R; Coia LR; Haller DG, Int J Radiat Oncol Biol Phys 1990; **19:** 593

adenocarcinoma of the prostate presenting as a single focus of radionuclide accumulation in the mandible on bone and gallium images, Ackerman L; Reyes CV; Shirazi P; et al, Clin Nucl Med 1989; **14:** 542

adenocarcinoma of the urachus: CT features, Lee SH; Kitchens HH; Kim BS, JCAT 1990; **14:** 232

adenocarcinomas of the colon and rectum in persons under 40 years old, (ab), Griffin PM; Liff JM; Greenberg RS; et al, Radiology 1991; **181:** 290

avid accumulation of Ga-67 citrate in adenocarcinoma of pancreas, Kudo M; Ikekubo K; Hino M; et al, Clin Nucl Med 1989; **14:** 843

biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Korobkin M; Stephens DH; Lee JKT; et al, AJR 1989; **153:** 507

case report 645, Ribalta T; Shannon RL; Ro JY; et al, Skeletal Radiol 1990; **19:** 616

characterization of pancreatic adenocarcinoma by magnetic resonance imaging, Vellet AD, J Canad Assoc Radiol 1991; **42:** 180

colorectal adenocarcinoma in childhood and adolescent: report of 11 cases and review of the literature, Lamego CMB; Torloni H, Pediatr Radiol 1989; **19:** 504

comparison of the digital rectal examination, endorectal ultrasound, and body coil magnetic resonance imaging in the staging of adenocarcinoma of the prostate, Schiebler ML; McSherry S; Keefe B; et al, Urol Radiol 1991; **13:** 110

definitive radiation therapy for localized prostatic adenocarcinoma, Arcangeli G; Micheli A; Arcangeli G; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 439

differentiation of adenocarcinoma of the lung from mesothelioma: periodic acid-Schiff, monoclonal antibodies B72.3, and Leu M1, (ab), Warnock ML; Stoloff A; Thor A, Radiology 1989; **171:** 882

effect of overall treatment time on local control in patients with adenocarcinoma of the prostate treated with radiation therapy, Amdur RJ; Parsons JT; Fitzgerald LT; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1377

endometrial adenocarcinoma, adjuvant radiotherapy tailored to prognostic factors, Meerwaldt JH; Hoekstra CJM; van Putten WLJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 299

gastrosplenic fistula: complication of adenocarcinoma of stomach, Krause R; Larsen CR; Scholz FJ, Comput Med Imag Graph 1990; **14:** 273

histologic differentiation, cancer volume, and pelvic lymph node metastasis in adenocarcinoma of the prostate, (ab), McNeal JE; Villers AA; Redwine EA; et al, Radiology 1991; **179:** 294

In-111 labeled monoclonal anti-carcinoembryonic antigen antibody (ZCE025) in the immunoscintigraphic imaging of metastatic antigen-producing adenocarcinomas, Saleh MN; Wheeler RH; Lee JY; et al, Clin Nucl Med 1991; **16:** 110

linitis plastica of the alimentary tract and scrotum, Zalev AH; Baker JP; Gardiner GW, Gastrointest Radiol 1990; **15:** 72

localized adenocarcinoma of the lung: a retrospective study of 186 non-metastatic patients from the French Federation of Cancer Institutes—the Radiotherapy Cooperative Group, Malissard L; Nguyen TD; Jung GM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 369

long-term survival and patterns of failure after postoperative radiation therapy for subtotally resected rectal adenocarcinoma, Schild SE; Martenson JA Jr; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 459

misteltoe (iscador) therapy in stage IV renal adenocarcinoma: a phase II study in patients with measurable lung metastases, Kjaer M, Acta Oncol 1989; **28:** 489

nonsalivary sinonasal adenocarcinoma, (ab), Alessi DM; Trapp TK; Fu YS; et al, Radiology 1989; **171:** 887

pretreatment evaluation of sexual function in patients with adenocarcinoma of the prostate, Zinreich ES; Derogatis LR; Herpst J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1001

primary adenocarcinoma of the duodenal bulb: radiographic and pathologic findings in two cases, Barloon TJ; Lu CH; Honda H; et al, Gastrointest Radiol 1989; **14:** 223

radiation survival properties of cultured human gastric adenocarcinoma cells and the effect of AT-1727, Shao-Qin H; Chang-Fen L; Xiu-Ying Z; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 361

radiologic diagnosis and staging of pancreatic ductal adenocarcinoma, Freeny PC, Radiol Clin North Am 1989; **27:** 121

role of serum prostatic acid phosphatase in the management of adenocarcinoma of the prostate with radiotherapy, Carlton JC; Zagars GK; Oswald MJ, Int J Radiat Oncol Biol Phys 1990; **19:** 1383

sequential hemibody radiotherapy in poor prognosis localized adenocarcinoma of the prostate gland: a preliminary study of the RTOG, MacLennan I; Selim HM; Rubin P, Int J Radiat Oncol Biol Phys 1989; **16:** 215

transrectal ultrasound and computed tomography in preoperative staging of lower rectal adenocarcinoma, Goldman S; Arvidsson H; Norming U; et al, Gastrointest Radiol 1991; **16:** 259

ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; **10:** 117

utilization of bone scans in conjunction with prostate-specific antigen levels in the surveillance for recurrence of adenocarcinoma after radical prostatectomy, Terris MK; Klonecke AS; McDougall IR; et al, J Nucl Med 1991; **32:** 1713

zonal distribution of prostatic adenocarcinoma: correlation with histologic pattern and direction of spread, (ab), McNeal JE; Redwine EA; Freiha FS; et al, Radiology 1989; **172:** 292

Adenoma

See neoplasms under the name of a specific organ

Adrenal gland

genitourinary radiology. RSNA '90 meeting notes, Dunnick NR; Bush WH; Choyke PL; Fernbach SK; Hartman DS; Rifkin MD; Roubidoux MA; Sandler CM, Radiology 1991; **178:** 600

hyperfunctioning and nonhyperfunctioning benign adrenal cortical lesions: characterization and comparison with MR imaging, Remer EM; Weinfeld RM; Glazer GM; Quint LE; Francis IR; Gross MD; Bookstein FL, Radiology 1989; **171:** 681

Adrenal gland, abnormalities

sonography in neonatal congenital adrenal hyperplasia, Sivit CJ; Hung W; Taylor GA; et al, AJR 1991; **156:** 141

Adrenal gland, biopsy

adrenal venous sampling and adrenal biopsy, Mitty HA, Urol Radiol 1989; **11:** 227

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

percutaneous biopsy of the kidney and adrenal glands, Dunnick NR; Leder RA; Roubidoux MA, Urol Radiol 1990; **12:** 125

percutaneous renal and adrenal biopsies, Vassiliades VG; Bernardino ME, Cardiovasc Intervent Radiol 1991; **14:** 50

Adrenal gland, CT

adrenal cortical carcinoma with hepatic metastasis: preoperative radiological evaluation, Azodo MVU; Gutierrez OH; Gonda RL Jr, Comput Med Imag Graph 1989; **13:** 171

adrenal cysts: imaging and percutaneous aspiration, Tung GA; Pfister RC; Papanicolaou N; Yoder IC, Radiology 1989; **173:** 107

adrenal gland volume determination by computed tomography and magnetic resonance imaging in normal subjects, Rubin RT; Phillips JJ, Invest Radiol 1991; **26:** 465

adrenal hemorrhage after liver transplantation, Bowen A; Keslar PJ; Newman B; Hashida Y, Radiology 1990; **176:** 85

adrenal imaging: current status, Dunnick NR, AJR 1990; **154:** 927

adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Krestin GP; Steinbrich W; Friedmann G, Radiology 1989; **171:** 675

adrenal myelolipomas: CT appearance with tiny amounts of fat and punctate calcification, Rofsky NM; Bosniak MA; Megibow AJ; et al, Urol Radiol 1989; **11:** 148

benign and malignant adrenal masses: CT distinction with attenuation coefficients, size, and observer analysis, Lee MJ; Hahn PF; Papanicolaou N; Egglin TK; Saini S; Mueller PR; Simeone JF, Radiology 1991; **179:** 415

clinically significant adrenal hemorrhage secondary to metastases: computed tomography observations, Outwater E; Bankoff MS, Clin Imag 1989; **13:** 195

computed tomography in untreated congenital adrenal hyperplasia, Harinarayana CV; Renu G; Ammini AC; et al, Pediatr Radiol 1991; **21:** 103

computed tomography of adrenal metastases in hepatocellular carcinoma: report of four cases, Nakamura K; Sato Y; Nakata H, Acta Radiol 1989; **30:** 550

computed tomography of myelolipoma in the accessory adrenal gland, Kageyama T; Doke Y; Takahashi M; et al, Urol Radiol 1989; **11:** 153

CT of adrenal tumors: frequency and clinical significance of low-attenuation lesions, Miyake H; Maeda H; Tashiro M; et al, AJR 1989; **152:** 1005

Cushing syndrome due to primary pigmented nodular adrenocortical disease: findings at CT and MR imaging, Doppman JL; Travis WD; Nieman LK; Miller DL; Chrousos GP; Gomez MT; Cutler GB Jr; Loriaux DL; Norton JA, Radiology 1989; **172:** 415

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

evaluation of adrenal masses in oncologic patients: dynamic contrast-enhanced MR vs CT, Krestin GP; Friedmann G; Fischbach R; et al, JCAT 1991; **15:** 104

hemorrhagic adrenal metastases: CT findings, Shah HR; Love L; Williamson MR; et al, JCAT 1989; **13:** 77

localization of pheochromocytoma: MIGB, CT, and MRI correlation, Velchik MG; Alavi A; Kressel HY; et al, J Nucl Med 1989; **30:** 328

overview of adrenal imaging/adrenal CT, Korobkin M, Urol Radiol 1989; **11:** 221

sensitivity and specificity of computed tomography for the detection of adrenal metastatic lesions among 91 autopsied lung cancer patients, (ab), Allard P; Yankaskas BC; Fletcher RH; et al, Radiology 1991; **178:** 897

ultrasound and CT findings in two cases of hemangioma of the adrenal gland, Derchi LE; Rapaccini GL; Banderali A; et al, JCAT 1989; **13:** 659

unusual appearances of an adrenal mass on computed tomography, Hughes D; Golding S, Br J Radiol 1990; **63:** 137

use of CT in metastatic adrenal gland tumor, Cranston PE; Routh WD, Comput Med Imag Graph 1990; **14:** 143

Adrenal gland, cysts

adrenal cysts: imaging and percutaneous aspiration, Tung GA; Pfister RC; Papanicolaou N; Yoder IC, Radiology 1989; **173:** 107

benign hemorrhagic adrenocortical macrocysts in Beckwith-Wiedemann syndrome, McCauley RGK; Beckwith JB; Elias ER; et al, AJR 1991; **157:** 549

case report: unusual appearance of a giant adrenal pseudocyst, Lee SH; Goodacre BW; Scudamore CH, Clin Radiol 1991; **43:** 349

Adrenal gland, diseases

computed tomography in untreated congenital adrenal hyperplasia, Harinarayana CV; Renu G; Ammini AC; et al, Pediatr Radiol 1991; **21:** 103

CT evaluation of active adrenal histoplasmosis, Levine E, Urol Radiol 1991; **13:** 103

Cushing syndrome due to primary pigmented nodular adrenocortical disease: findings at CT and MR imaging, Doppman JL; Travis WD; Nieman LK; Miller DL; Chrousos GP; Gomez MT; Cutler GB Jr; Loriaux DL; Norton JA, Radiology 1989; **172:** 415

detection of adrenal gland hyperplasia by abdominal ultrasonography in a patient with primary hyperaldosteronism, Cehreli C; Gökçin A; Toktas FR; et al, JCU 1991; **19:** 39

early diagnosis of and surgical strategy for adrenal medullary disease in MEN II gene carriers, (ab), Jansson S; Tisell L-E; Fjälling M; et al, Radiology 1989; **170:** 295

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

testicular adrenal-like tissue (TALT) in congenital adrenal hyperplasia: detection by ultrasonography, Willi U; Atares M; Prader A; et al, Pediatr Radiol 1991; **21:** 284

Adrenal gland, hemorrhage

adrenal hemorrhage after liver transplantation, Bowen A; Keslar PJ; Newman B; Hashida Y, Radiology 1990; **176:** 85

adrenal hemorrhage and renal vein thrombosis in the newborn: MR imaging, Brill PW; Jagannath A; Winchester P; Markisz JA; Zirinsky K, Radiology 1989; **170:** 95

bilateral adrenal hemorrhage associated with bilateral renal vein and vena cava thrombosis, Demirci A; Selcuk MB; Yazicioglu I, Pediatr Radiol 1991; **21:** 130

bilateral massive adrenal hemorrhage: early recognition and treatment, (ab), Rao RH; Vagnucci AH; Amico JA, Radiology 1989; **172:** 885

clinically significant adrenal hemorrhage secondary to metastases: computed tomography observations, Outwater E; Bankoff MS, Clin Imag 1989; **13:** 195

diagnosis and management of neonatal adrenal haemorrhage, Heij HA; Taets ven Amerongen AHM; Ekkelkamp S; et al, Pediatr Radiol 1989; **19:** 391

intestinal obstruction in a neonate with adrenal hemorrhage and renal vein thrombosis, Levine C, Pediatr Radiol 1989; **19:** 477

magnetic resonance appearance of adrenal hemorrhage in a neonate, Willemse APP; Coppes MJ; Feldberg MAM; et al, Pediatr Radiol 1989; **19:** 210

sonographic spectrum of neonatal adrenal hemorrhage: report of a case simulating solid tumor, Wu C-C, JCU 1989; **17:** 45

Adrenal gland, insufficiency

adrenoleukodystrophy: value of contrast-enhanced MR imaging, Romero C; Dietemann JL; Kurtz D; et al, J Neuroradiol 1990; **17:** 267

contribution of MRI to the diagnosis of cerebral lesions of adrenoleukodystrophy, Pasco A; Kalifa G; Sarrazin JL; et al, Pediatr Radiol 1991; **21:** 161

MR imaging appearance of childhood adrenoleukodystrophy with auditory, visual, and motor pathway involvement, Jensen ME; Sawyer RW; Braun IF; Rizzo WB, Radiographics 1990; **10:** 53

MR imaging of adrenoleukodystrophy, Uchiyama M; Hata Y; Tada S, Neuroradiol 1991; **33:** 25

MR of adrenoleukodystrophy: histopathologic correlations, van der Knaap MS; Valk J, AJNR 1989; **10:** S12

MR spectrum of peroxisomal disorders, van der Knaap MS; Valk J, Neuroradiol 1991; **33:** 30

Adrenal gland, MR

adrenal cysts: imaging and percutaneous aspiration, Tung GA; Pfister RC; Papanicolaou N; Yoder IC, Radiology 1989; **173:** 107

adrenal gland volume determination by computed tomography and magnetic resonance imaging in normal subjects, Rubin RT; Phillips JJ, Invest Radiol 1991; **26:** 465

adrenal hemorrhage and renal vein thrombosis in the newborn: MR imaging, Brill PW; Jagannath A; Winchester P; Markisz JA; Zirinsky K, Radiology 1989; **170:** 95

adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Krestin GP; Steinbrich W; Friedmann G, Radiology 1989; **171:** 675

adrenoleukodystrophy: value of contrast-enhanced MR imaging, Romero C; Dietemann JL; Kurtz D; et al, J Neuroradiol 1990; **17:** 267

Cushing syndrome due to primary pigmented nodular adrenocortical disease: findings at CT and MR imaging, Doppman JL; Travis WD; Nieman LK; Miller DL; Chrousos GP; Gomez MT; Cutler GB Jr; Loriaux DL; Norton JA, Radiology 1989; **172:** 415

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

evaluation of adrenal masses in oncologic patients: dynamic contrast-enhanced MR vs CT, Krestin GP; Friedmann G; Fischbach R; et al, JCAT 1991; **15:** 104

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

hyperfunctioning and nonhyperfunctioning benign adrenal cortical lesions: characterization and comparison with MR imaging, Remer EM; Weinfeld RM; Glazer GM; Quint LE; Francis IR; Gross MD; Bookstein FL, Radiology 1989; **171:** 681

in vivo MR spectroscopic imaging of the adrenal glands: distinction between adenomas and carcinomas larger than 15 mm based on lipid content, Leroy-Willig A; Bittoun J; Luton JP; et al, AJR 1989; **153:** 771

localization of pheochromocytoma: MIGB, CT, and MRI correlation, Velchik MG; Alavi A; Kressel HY; et al, J Nucl Med 1989; **30:** 328

magnetic resonance appearance of adrenal hemorrhage in a neonate, Willemse APP; Coppes MJ; Feldberg MAM; et al, Pediatr Radiol 1989; **19:** 210

magnetic resonance imaging of adrenal cortical carcinoma, Smith SM; Patel SK; Turner DA; et al, Urol Radiol 1989; **11:** 1

magnetic resonance imaging of the adrenal glands: a subject review, Rafal RB; Kosovsky PA; Markisz JA, Clin Imag 1990; **14:** 1

magnetic resonance imaging of the kidneys and adrenal glands, Baumgartner BR; Chezmar JL, Semin US CT MR 1989; **10:** 43

MR appearance of an ectopic intraspinal adrenal cortical adenoma, Harrison LA; McMillan JH; Batnitzky S; et al, AJNR 1990; **11:** 1185

MR characterization of adrenal masses: field strength and pulse sequence considerations, Kier R; McCarthy SM, Radiology 1989; **171:** 671

MR evaluation of adrenal masses at 1.5 T, Baker ME; Blinder R; Spritzer CE; et al, AJR 1989; **153:** 307

MR imaging and MIBG scintigraphy of pheochromocytomas and extraadrenal functioning paragangliomas, van Gils APG; Falke THM; van Erkel AR; Arndt J-W; Sandler MP; van der Mey AGL; Hoogma RPLM, Radiographics 1991; **11:** 37

MR imaging of adrenal myelolipomas, Musante F; Derchi LE; Bazzocchi M; et al, JCAT 1991; **15:** 111

MR imaging of adrenoleukodystrophy, Uchiyama M; Hata Y; Tada S, Neuroradiol 1991; **33:** 25

MRI of the adrenal gland, Newhouse JH, Urol Radiol 1990; **12:** 1

MR of adrenoleukodystrophy: histopathologic correlations, van der Knaap MS; Valk J, AJNR 1989; **10:** S12

overview of adrenal imaging/adrenal CT, Korobkin M, Urol Radiol 1989; **11:** 221

Adrenal gland, neoplasms

adrenal cortical adenoma causing Cushing's syndrome: correct localization by functional scintigraphy despite nonlocalizing morphological imaging studies, Geatti O; Fig L; Shapiro B, Clin Nucl Med 1990; **15:** 168

adrenal cortical carcinoma with hepatic metastasis: preoperative radiological evaluation, Azodo MVU; Gutierrez OH; Gonda RL Jr, Comput Med Imag Graph 1989; **13:** 171

adrenal imaging: current status, Dunnick NR, AJR 1990; **154:** 927

adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Krestin GP; Steinbrich W; Friedmann G, Radiology 1989; **171:** 675

adrenal myelolipoma, Palmer WE; Gerard-McFarland EL; Chew FS, AJR 1991; **156:** 724

adrenal myelolipomas: CT appearance with tiny amounts of fat and punctate calcification, Rofsky NM; Bosniak MA; Megibow AJ; et al, Urol Radiol 1989; **11:** 148

adrenocortical carcinoma with extension into inferior vena cava and right atrium: report of 3 cases in children, Godine LB; Berdon WE; Brasch RC; et al, Pediatr Radiol 1990; **20:** 166

benign and malignant adrenal masses: CT distinction with attenuation coefficients, size, and observer analysis, Lee MJ; Hahn PF; Papanicolaou N; Egglin TK; Saini S; Mueller PR; Simeone JF, Radiology 1991; **179:** 415

case report: non-Hodgkin's lymphoma confined to the adrenal glands presenting with Addison's disease, Khan S; Raby N; Michell M, Clin Radiol 1990; **42:** 63

clinically significant adrenal hemorrhage secondary to metastases: computed tomography observations, Outwater E; Bankoff MS, Clin Imag 1989; **13:** 195

computed tomography of adrenal metastases in hepatocellular carcinoma: report of four cases, Nakamura K; Sato Y; Nakata H, Acta Radiol 1989; **30:** 550

computed tomography of myelolipoma in the accessory adrenal gland, Kageyama T; Doke Y; Takahashi M; et al, Urol Radiol 1989; **11:** 153

congenital neuroblastoma: evaluation with multimodality imaging, Forman HP; Leonidas JC; Berdon WE; Slovis TL; Wood BP; Samudrala R, Radiology 1990; **175:** 365

CT of adrenal tumors: frequency and clinical significance of low-attenuation lesions, Miyake H; Maeda H; Tashiro M; et al, AJR 1989; **152:** 1005

detection of adrenal tumors and hyperplasia in patients with primary aldosteronism: comparison of scintigraphy, CT, and MR imaging, Ikeda DM; Francis IR; Glazer GM; et al, AJR 1989; **153:** 301

early diagnosis of and surgical strategy for adrenal medullary disease in MEN II gene carriers, (ab), Jansson S; Tisell L-E; Fjälling M; et al, Radiology 1989; **170:** 295

evaluation of adrenal masses in oncologic patients: dynamic contrast-enhanced MR vs CT, Krestin GP; Friedmann G; Fischbach R; et al, JCAT 1991; **15:** 104

hemorrhagic adrenal metastases: CT findings, Shah HR; Love L; Williamson MR; et al, JCAT 1989; **13:** 77

hyperfunctioning and nonhyperfunctioning benign adrenal cortical lesions: characterization and comparison with MR imaging, Remer EM; Weinfeld RM; Glazer GM; Quint LE; Francis IR; Gross MD; Bookstein FL, Radiology 1989; **171:** 681

in vivo MR spectroscopic imaging of the adrenal glands: distinction between adenomas and carcinomas larger than 15 mm based on lipid content, Leroy-Willig A; Bittoun J; Luton JP; et al, AJR 1989; **153:** 771

magnetic resonance imaging of adrenal cortical carcinoma, Smith SM; Patel SK; Turner DA; et al, Urol Radiol 1989; **11:** 1

MR appearance of an ectopic intraspinal adrenal cortical adenoma, Harrison LA; McMillan JH; Batnitzky S; et al, AJNR 1990; **11:** 1185

MR characterization of adrenal masses: field strength and pulse sequence considerations, Kier R; McCarthy SM, Radiology 1989; **171:** 671

MR evaluation of adrenal masses at 1.5 T, Baker ME; Blinder R; Spritzer CE; et al, AJR 1989; **153:** 307

MR imaging and MIBG scintigraphy of pheochromocytomas and extraadrenal functioning paragangliomas, van Gils APG; Falke THM; van Erkel AR; Arndt J-W; Sandler MP; van der Mey AGL; Hoogma RPLM, Radiographics 1991; **11:** 37

MR imaging of adrenal myelolipomas, Musante F; Derchi LE; Bazzocchi M; et al, JCAT 1991; **15:** 111

overview of adrenal imaging/adrenal CT, Korobkin M, Urol Radiol 1989; **11:** 221

renal atrophy or infarction in children with neuroblastoma, Day DL; Johnson RT; Odrezin GT; Woods WG; Alford BA, Radiology 1991; **180:** 493

sensitivity and specificity of computed tomography for the detection of adrenal metastatic lesions among 91 autopsied lung cancer patients, (ab), Allard P; Yankaskas BC; Fletcher RH; et al, Radiology 1991; **178:** 897

sonographic findings of adrenal cortical carcinomas in children, Prando A; Wallace S; Marins JLC; et al, Pediatr Radiol 1990; **20:** 163

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 927

unusual appearances of an adrenal mass on computed tomography, Hughes D; Golding S, Br J Radiol 1990; **63:** 137

uptake of Tc-99m MDP by adrenal metastases from undifferentiated large-cell carcinoma of the lung, Desai MB; Margouleff D; Kroop S; et al, Clin Nucl Med 1990; **14:** 704

use of CT in metastatic adrenal gland tumor, Cranston PE; Routh WD, Comput Med Imag Graph 1990; **14:** 143

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Adrenal gland, radionuclide studies

bilateral adrenal uptake of gallium-67 citrate in a patient with congenital adrenal hyperplasia, Lorberboym M; Sarkar SD; Speiser P; et al, Clin Nucl Med 1990; **15:** 849

clinical application of SPECT in adrenal imaging with iodine-131 6β-iodomethyl-19-norcholesterol, Ishimura J; Kawanaka M; Fukuchi M, Clin Nucl Med 1989; **14:** 278

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. part II, Beierwaltes WH, J Nucl Med 1991; **32:** 1627

localization of metastatic adrenal cortical carcinoma with Ga-67, Ward FT; Anderson JH; Jelinek J; et al, Clin Nucl Med 1991; **16:** 117

localization of pheochromocytoma: MIGB, CT, and MRI correlation, Velchik MG; Alavi A; Kressel HY; et al, J Nucl Med 1989; **30:** 328

MR imaging and MIBG scintigraphy of pheochromocytomas and extraadrenal functioning paragangliomas, van Gils APG; Falke THM; van Erkel AR; Arndt J-W; Sandler MP; van der Mey AGL; Hoogma RPLM, Radiographics 1991; **11:** 37

scintigraphic endocrine mimicry, Gross MD; Shapiro B; Freitas JE, Clin Nucl Med 1990; **15:** 457

scintigraphic studies in adrenal hypertension, Gross MD; Shapiro B, Semin Nucl Med 1989; **19:** 122

unusual causes of I-131 metaiodobenzylguanidine uptake in non-neural crest tissue, Horne T; Glaser B; Krausz Y; et al, Clin Nucl Med 1991; **16:** 239

uptake of Tc-99m MDP by adrenal metastases from undifferentiated large-cell carcinoma of the lung, Desai MB; Margouleff D; Kroop S; et al, Clin Nucl Med 1990; **14:** 704

Adrenal gland, US

adrenal cysts: imaging and percutaneous aspiration, Tung GA; Pfister RC; Papanicolaou N; Yoder IC, Radiology 1989; **173:** 107

adrenal hemorrhage after liver transplantation, Bowen A; Keslar PJ; Newman B; Hashida Y, Radiology 1990; **176:** 85

changes in size and sonographic characteristics of the adrenal glands during the first year of life and the sonographic diagnosis of adrenal hyperplasia in infants with 21-hydroxylase deficiency, Menzel D; Hauffa BP, JCU 1990; **18:** 619

detection of adrenal gland hyperplasia by abdominal ultrasonography in a patient with primary hyperaldosteronism, Cehreli C; Gökçin A; Toktas FR; et al, JCU 1991; **19:** 39

serial adrenal ultrasonography in normal neonates, Scott EM; Thomas A; McGarrigle HHG; et al, J Ultrasound Med 1990; **9:** 279

sonographic findings of adrenal cortical carcinomas in children, Prando A; Wallace S; Marins JLC; et al, Pediatr Radiol 1990; **20:** 163

sonographic spectrum of neonatal adrenal hemorrhage: report of a case simulating solid tumor, Wu C-C, JCU 1989; **17:** 45

sonography in neonatal congenital adrenal hyperplasia, Sivit CJ; Hung W; Taylor GA; et al, AJR 1991; **156:** 141

ultrasound and CT findings in two cases of hemangioma of the adrenal gland, Derchi LE; Rapaccini GL; Banderali A; et al, JCAT 1989; **13:** 659

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 927

Adrenoleukodystrophy

See Adrenal gland, insufficiency

Aerosols

deposition of radioaerosol throughout the major airways in tracheobronchitis, Boxen I; Zhang ZM, Clin Nucl Med 1990; **15:** 703

discordant radioaerosol/radioperfusion in drug-induced maternal pulmonary edema, Sylvester J; Fuentes RT; Holmes RA, Clin Nucl Med 1990; **14:** 686

factors determining pulmonary deposition of aerosolized pentamidine in patients with human immunodeficiency virus infection, (ab), Smaldone GC; Fuhrer J; Steigbigel RT; et al, Radiology 1991; **181:** 908

liver-spleen visualization following aerosol lung ventilation with technetium-99m DTPA, Goyer P; Silverman E; Karvelis K, Clin Nucl Med 1989; **14:** 141

lung ventilation scanning with a new carbon particle radioaerosol (technegas): preliminary patient studies, Rimkus DS; Ashburn WL, Clin Nucl Med 1990; **15:** 222

mucociliary clearance and transport in bronchiectasis: global and regional assessment, Isawa T; Teshima T; Hirano T; et al, J Nucl Med 1990; **31:** 543

regional deposition of aerolized pentamidine: effects of body position and breathing pattern, (ab), Baskin MI; Abd AG; Ilowite JS, Radiology 1991; **179:** 885

reverse radioaerosol/radioperfusion distribution in pulmonary endobronchial obstruction, Fuentes RT; Holmes RA, Clin Nucl Med 1990; **15:** 217

urine excretion of inhaled technetium-99m-DTPA: an alternative method to assess lung epithelial transport, Köhn H; König B; Klech H; et al, J Nucl Med 1990; **31:** 441

utility of Tc-99m DTPA aerosol inhalation scans following perfusion lung scans in the diagnosis of pulmonary embolism, Selby JB Sr; Callcott F; Gordon L; et al, Clin Nucl Med 1990; **15:** 143

Aging

age-related changes in cerebral white matter measured by computed cranial tomography, Fukuda H; Kobayashi S; Koide H; et al, Comput Med Imag Graph 1990; **14:** 79

age-related changes in the cervical facet joints: studies with cryomicrotomy, MR and CT, Fletcher G; Haughton VM; Ho K-C; et al, AJR 1990; **154:** 817

aging of the diaphragm: a CT study, Caskey CI; Zerhouni EA; Fishman EK; Rahmouni AD, Radiology 1989; **171:** 385

aging reduces venous distensibility and the venodilatory response to nitroglycerin in normal subjects, (ab), Gascho JA; Fanelli C; Zelis R, Radiology 1990; **174:** 588

brain in healthy aged individuals: MR imaging, Wahlund L-O; Agartz I; Almqvist O; Basun H; Forssell L; Sääf J; Wetterberg L, Radiology 1990; **174:** 675

changes in MR signal intensity of the intervertebral disk, Blumberg ML; Ostrum BJ; Ostrum DM, Radiology 1991; **179:** 584

comparison of CT, MR, and PET in Alzheimer's dementia and normal aging, Fazekas F; Alavi A; Chawluk JB; et al, J Nucl Med 1989; **30:** 1607

coronary artery disease in the octogenarian: angiographic spectrum and suitability for revascularization, (ab), Kowalchuk GJ; Ciu SC; Lewis SM, Radiology 1991; **180:** 294

development and aging of brain midline structures: assessment with MR imaging, Hayakawa K; Konishi Y; Matsuda T; Kuriyama M; Konishi K; Yamashita K; Okumura R; Hamanaka D, Radiology 1989; **172:** 171

femoral cortical/cancellous bone related to age, Høiseth A; Alho A; Husby T, Acta Radiol 1990; **31:** 626

foci of increased T2 signal intensity on brain MR scans of healthy elderly subjects, Hendrie HC; Farlow MR; Austrom MG; et al, AJNR 1989; **10:** 703

intervertebral disk: normal age-related changes in MR signal intensity, Modic MT; Herfkens RJ, Radiology 1990; **177:** 332

intervertebral disk: normal age-related changes in MR signal intensity: reply, Haughton VM, Radiology 1990; **177:** 333

intervertebral disk: normal age-related changes in MR signal intensity, Sether LA; Yu S; Haughton VM; Fischer ME, Radiology 1990; **177:** 385

left ventricular hypertrophy in persons age 90 years and older, (ab), Tuzcu EM; Golz SJ; Lever HM; et al, Radiology 1989; **172:** 885

senile dementia and healthy aging: a longitudinal CT study, Wippold FJ II; Gado MH; Morris JC; Duchek JM; Grant EA, Radiology 1991; **179:** 215

T1 and T2 in the cerebrum: correlation with age, gender, and demographic factors, Breger RK; Yetkin FZ; Fischer ME; Papke RA; Haughton VM; Rimm AA, Radiology 1991; **181:** 545

thickness of the renal parenchyma decreases with age: a CT study of 360 patients, Gourtsoyiannis N; Prassopoulos P; Cavouras D; et al, AJR 1990; **155:** 541

tracheobronchial calcification in members of a fixed population sample. Fukuya T; Mihara F; Kudo S; et al, Acta Radiol 1989; **30:** 277

Alagille syndrome

See Liver, diseases

Albumin

acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

hepatic tumors: signal enhancement at Doppler US after intravenous injection of a contrast agent, Goldberg BB; Hilpert PL; Burns PN; Liu J-B; Newman LM; Merton DA; Witlin LA, Radiology 1990; **177:** 713

Alcohol

adenomatous hyperplastic nodules in the cirrhotic liver: a therapeutic approach. work in progress, Livraghi T; Sangalli G; Vettori C, Radiology 1989; **170:** 155

effects of chronic ethanol consumption on the intact rat liver studied by *in vivo* ^{31}P NMR spectroscopy, Brauer M; Ling M, Magn Res Med 1991; **20:** 100

ethanol embolization of arteriovenous fistulas: a primary model of therapy, Yakes WF; Luethke JM; Merland JJ; Rak KM; Slater DD; Hollis HW; Parker SH; Casasco A; Aymard A; Hodes J; Hopper KD; Stavros AT; Carter TE, JVIR 1990; **1:** 89

ethanol embolization of vascular malformations, Yakes WF; Luethke JM; Parker SH; Stavros AT; Rak KM; Hopper KD; Dreisbach JN; Griffin DJ; Seibert CE; Carter TE; Guilliland JD, Radiographics 1990; **10:** 787

nonsurgical treatment of primary hyperparathyroidism with sonographically guided percutaneous injection of ethanol: results in a selected series of patients, Karstrup S; Holm HH; Glenthøj A; et al, AJR 1990; **154:** 1087

percutaneous ethanol injection therapy for neoplasms located on the surface of the liver, Shiina S; Tagawa K; Unuma T; et al, AJR 1990; **155:** 507

percutaneous ethanol injection therapy for the treatment of hepatocellular carcinoma, Shiina S; Tagawa K; Unuma T; et al, AJR 1990; **154:** 947

percutaneous ethanol injection therapy of hepatocellular carcinoma: analysis of 77 patients, Shiina S; Tagawa K; Unuma T; et al, AJR 1990; **155:** 1221

percutaneous ethanol injection therapy of hepatoma, Livraghi T; Vettori C, Cardiovasc Intervent Radiol 1990; **13:** 146

reversibility of chronic alcohol cardiac depression: ^{31}P magnetic resonance spectroscopy in hamsters, Auffermann W; Wu S; Parmley WW; et al, Magn Res Med 1989; **9:** 343

skull-base tumors: ethanol embolization of the cavernous carotid artery, Jungreis CA, Radiology 1991; **181:** 741

small hepatocellular carcinoma treated with percutaneous ethanol injection: MR imaging findings, Sironi S; Livraghi T; DelMaschio A, Radiology 1991; **180:** 333

symptomatic vascular malformations: ethanol embolotherapy, Yakes WF; Haas DK; Parker SH; Gibson MD; Hopper KD; Mulligan JS; Pevsner PH; Johns JC Jr; Carter TE, Radiology 1989; **170:** 1059

total or partial percutaneous renal ablation in the treatment of renovascular hypertension: radiological and clinical aspects, Iaccarino V; Russo D; Niola R; et al, Br J Radiol 1989; **62:** 593

treatment of autonomous thyroid nodules with percutaneous ethanol injection: preliminary results. work in progress, Livraghi T; Paracchi A; Ferrari C; Bergonzi M; Garavaglia G; Raineri P; Vettori C, Radiology 1990; **175:** 827

visibility of the ^1H NMR signal of ethanol in the dog brain, Moxon LN; Rose SE; Haseler LJ; et al, Magn Res Med 1991; **19:** 340

Alcoholism

alcoholic liver disease: quantitative image-guided P-31 MR spectroscopy, Meyerhoff DJ; Boska MD; Thomas AM; Weiner MW, Radiology 1989; **173:** 393

alcoholic liver disease: value of the left-to-right portal vein ratio in its sonographic diagnosis, Trigaux J-PP; Van Beers BE; Melange M; et al, Gastrointest Radiol 1991; **16:** 215

alcoholic woman with hematemesis, nausea, and abdominal pain, Kreft B; Harder T; Kania U, Invest Radiol 1991; **26:** 203

Gd-DTPA enhancement in MR imaging of central pontine myelinolysis, Koch KJ; Smith RR, AJNR 1989; **10:** S58

intraosseous fat necrosis associated with acute pancreatitis: MR imaging, Haller J; Greenway G; Resnick D; Kindynis P; Kang HS, Radiology 1989; **173:** 193

MR imaging of white matter lesions in uncomplicated chronic alcoholism, Gallucci M; Amicarelli I; Rossi A; et al, JCAT 1989; **13:** 395

MR in the diagnosis of Wernicke-Korsakoff syndrome, Victor M, AJR 1990; **155:** 1315

reversibility of chronic alcohol cardiac depression: ^{31}P magnetic resonance spectroscopy in hamsters, Auffermann W; Wu S; Parmley WW; et al, Magn Res Med 1989; **9:** 343

stippled epiphyses in fetal alcohol syndrome, Leicher-Düber A; Schumacher R; Spranger J, Pediatr Radiol 1990; **20:** 369

thalamic extrapontine lesions in central pontine myelinolysis, Koci TM; Chiang F; Chow P; et al, AJNR 1990; **11:** 1229

Wernicke encephalopathy: MR findings in five patients, Gallucci M; Bozzao A; Splendiani A; et al, AJNR 1990; **11:** 887

Wernicke encephalopathy: MR findings in five patients, Gallucci M; Bozzao A; Splendiani A; et al, AJR 1990; **155:** 1309

Allergy

See Anaphylaxis and allergy

Alport syndrome

diffuse esophageal leiomyomatosis in a patient with Alport syndrome: CT demonstration, Rabushka LS; Fishman EK; Kuhlman JE; Hruban RH, Radiology 1991; **179:** 176

Aluminum

altered biodistribution of gallium-67 in a patient with aluminum toxicity treated with desferoxamine, Brown SJ; Slizofski WJ; Dadparvar S, J Nucl Med 1990; **31:** 115

solitary, spontaneous cervical and large bone fractures in aluminum osteodystrophy, Sundaram M; Dessner D; Ballal S, Skeletal Radiol 1991; **20:** 91

Alzheimer disease

See Dementia

Amebiasis

intracranial amebic abscesses: CT and MR findings, Dietz R; Schanen G; Kramann B; et al, JCAT 1991; **15:** 168

patterns of gallium uptake in amebic liver abscesses, Verma RC; Ngo C; Yaghmai I, Clin Nucl Med 1989; **14:** 523

perforated amebic liver abscesses: successful percutaneous treatment, Ken JG; vanSonnenberg E; Casola G; Christensen R; Polansky AM, Radiology 1989; **170:** 195

ultrasonography in amebic colitis, Hussain S; Dinshaw H, J Ultrasound Med 1990; **9:** 385

value of double-contrast barium enema in amebic colitis, Matsui T; Iida M; Tada S; et al, Gastrointest Radiol 1989; **14:** 73

Amiodarone

amiodarone pulmonary toxicity: CT findings in symptomatic patients, Kuhlman JE; Teigen C; Ren H; Hurban RH; Hutchins GM; Fishman EK, Radiology 1990; **177:** 121

CT-pathology correlation of amiodarone lung, Ren H; Kuhlman JE; Hruban RH; et al, JCAT 1990; **14:** 760

Amniocentesis

amniocentesis needle with improved sonographic visibility, Hurwitz SR; Nageotte MP, Radiology 1989; **171:** 576

normal ultrasound does not obviate the need for amniocentesis in patients with elevated serum alpha-fetoprotein, (ab), Drugan A; Zador IE; Syner FN; et al, Radiology 1989; **171:** 883

single-needle insertion in twin amniocentesis, Jeanty P; Shah D; Roussis P, J Ultrasound Med 1990; **9:** 511

sonographically demonstrated intra-amniotic hemorrhage following transplacental genetic amniocentesis: frequency, sonographic appearance, and clinical significance, Chinn DH; Towers CV; Beeman RG; et al, J Ultrasound Med 1990; **9:** 495

Amniotic fluid

amniotic fluid volume in large-for-gestational-age fetuses of nondiabetic mothers, Benson CB; Coughlin BF; Doubilet PM, J Ultrasound Med 1991; **10:** 149

infection in utero: US findings in 19 cases, Drose JA; Dennis MA; Thickman D, Radiology 1991; **178:** 369

magnetic resonance imaging as an adjunct to ultrasound in oligohydramnios: detection of sirenomelia, Fitzmorris-Glass R; Mattrey RF; Cantrell CJ, J Ultrasound Med 1989; **8:** 159

placental vascular resistance using umbilical velocimetry in patients undergoing cesarean section for fetal distress, Brar HS; Platt LD, J Ultrasound Med 1989; **8:** 211

sonography of placental abnormalities and oligohydramnios in women with elevated alpha-fetoprotein levels: comparison with control subjects, Kelly RB; Nyberg DA; Mack LA; et al, AJR 1989; **153:** 815

Amyloidosis

β_2-microglobulin amyloidosis: a systemic amyloid disease affecting primarily synovium and bone in long-term dialysis patients, (ab), Maury CPJ, Radiology 1990; **176:** 887

accumulation of Tc-99m MDP in amyloidosis involving the tongue, Burke TS; Tatum JL; Fratkin MJ, Clin Nucl Med 1990; **15:** 107

amyloidosis: diffuse involvement of the retroperitoneum, Glynn TP Jr; Kreipke DL; Irons JM, Radiology 1989; **170:** 726

amyloidosis of the colon presenting as ischemic colitis: a case report and review of the literature, Trinh TD; Jones B; Fishman EK, Gastrointest Radiol 1991; **16:** 133

amyloidosis of the gastric stump: radiographic and CT findings, Bighi S; Trevisani L; Lupi L; et al, Gastrointest Radiol 1990; **15:** 197

amyloidosis of the small intestine: findings on double-contrast radiographs, Tada S; Iida M; Matsui T; et al, AJR 1991; **156:** 741

amyloidosis of the spine in a patient on long-term hemodialysis, Welk LA; Quint DJ, Neuroradiol 1990; **32:** 334

atypical amyloidosis of bone, Daly BD; Moore DP, Br J Radiol 1989; **62:** 859

barium meal study for amyloidosis of the small intestine: measurements on radiograph, Tada S; Iida M; Fuchigami T; et al, Gastrointest Radiol 1990; **15:** 320

bone cysts and haemodialysis-related amyloidosis, Sargent MA; Fleming SJ; Chattopadhyay C; et al, Clin Radiol 1989; **40:** 277

case report 610, Tagliabue JR; Stull MA; Lack EE; et al, Skeletal Radiol 1990; **19:** 448

case report: hepatic and splenic calcification due to amyloid, Kennan NM; Evans C, Clin Radiol 1991; **44:** 60

case report: magnetic resonance imaging of spinal amyloid, Olliff JFC; Hardy JR; Williams MP; et al, Clin Radiol 1989; **40:** 632

case report: primary systemic amyloidosis presenting as breast masses, mammographically simulating carcinoma, Hecht AH; Tan A; Shen JF, Clin Radiol 1991; **44:** 123

chest and the skeleton: radiological correlations, Schultz E; Rakoff S; Jacobson HG, Semin Roentgenol 1989; **24:** 259

CT findings in primary amyloidosis of the colon, Dey C; Duvoisin B, JCAT 1989; **13:** 1094

diagnostic radionuclide imaging of amyloid: biological targeting by circulating human serum amyloid P component, (ab), Hawkins PN; Lavender JP; Myers MJ; et al, Radiology 1989; **170:** 592

diffuse retroperitoneal amyloidosis: further radiological observations, Posner R; Saks AM; Leiman G, Br J Radiol 1991; **64:** 469

double contrast small bowel enema in a case of selective duodeno-jejunal amyloidosis, Cozzi G; Ballardini G; Colombi R; et al, Acta Radiol 1990; **31:** 355

focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL, Radiology 1991; **181:** 521

general case of the day, Mata JM; Cáceres J; Senac JP; Giron J; Alegret X, Radiographics 1991; **11:** 716

hemodialysis-related amyloidomas of bone, Ross LV; Ross GJ; Mesgarzadeh M; Edmonds PR; Bonakdarpour A, Radiology 1991; **178:** 263

hereditary cerebral hemorrhage with amyloidosis—Dutch type: Tc-99m HM-PAO single photon emission computed tomography, Haan J; van Kroonenburgh MJPG; Algra PR; et al, Neuroradiol 1990; **32:** 142

joint and systemic distribution of dialysis amyloid, (ab), Athanasou NA; Ayers D; Rainey AJ; et al, Radiology 1991; **181:** 616

leukoencephalopathy in cerebral amyloid angiopathy: MR imaging in four cases, Loes DJ; Biller J; Yuh WTC; et al, AJNR 1990; **11:** 485

MR and CT imaging of perirenal amyloidosis, Sueoka BL; Kasales CJ; Harris RD; et al, Urol Radiol 1989; **11:** 97

MR demonstration of intraosseous beta-2-microglobulin amyloidosis, Kokubo T; Takatori Y; Okutsu I; et al, JCAT 1990; **14:** 1030

MRI of primary amyloidosis, Rafal RB; Jennis R; Kosovsky PA; et al, Gastrointest Radiol 1990; **15:** 199

pathological fractures in patients who have amyloidosis associated with dialysis, (ab), Campistol JM; Solé M; Muñoz-Gómez J; et al, Radiology 1990; **177:** 294

radiology of secondary amyloidosis of the stomach in a patient with rheumatoid arthritis, Kawamura S; Imai A; Kawamura M; et al, Br J Radiol 1991; **64:** 626

rheumatic syndromes and β_2-microglobulin amyloidosis in patients receiving long-term peritoneal dialysis, (ab), Cornélis F; Bardin T; Faller B; et al, Radiology 1990; **174:** 588

systemic amyloidosis presenting as splenic tumor, Liu T-Y; Chen S-C; Wang L-Y; et al, Gastrointest Radiol 1991; **16:** 137

technetium-99m (V) DMSA uptake in amyloidosis, Ohta H; Endo K; Kanoh T; et al, J Nucl Med 1989; **30:** 2049

ultrasonic appearance of secondary amyloidosis involving the stomach in rheumatoid arthritis, Kawamura S; Imai A; Kawamura M; et al, JCU 1991; **19:** 421

unusual computed tomography findings in hepatic amyloidosis, Marmolya G; Karlins NL; Petrelli M; et al, Clin Imag 1990; **14:** 248

utility of gallium imaging of the kidneys in diagnosing primary amyloid nephrotic syndrome, Gertz MA; Brown ML; Hauser MF; et al, J Nucl Med 1990; **31:** 292

Analgesics

See Anesthesia

Anaphylaxis and allergy

acute colorectal ischaemia after anaphylactoid shock, (ab), Travis S; Davies DR; Creamer B, Radiology 1991; **181:** 610

allergic reaction following micturating cystourethrography, Bettenay F; de Campo J, Urol Radiol 1989; **11:** 167

anaphylactoid reaction associated with the use of $^{99}Tc^{m}$ hexamethyl propylene amine oxime as a leukocyte labelling agent, Giaffer MH; Tindale WB; Senior S; et al, Br J Radiol 1991; **64:** 625

anaphylactoid reactions to IV gadopentetate dimeglumine, Tishler S; Hoffman JC Jr, AJNR 1990; **11:** 1167

anaphylaxis associated with latex allergy during barium enema examinations, Ownby DR; Tomlanovich M; Sammons N; et al, AJR 1991; **156:** 903

barium enemas, latex balloons, and anaphylactic reactions, Gelfand DW, AJR 1991; **156:** 1

case of anaphylaxis and four cases of allergic reaction following Gd-DTPA administration, Salonen OLM, JCAT 1990; **14:** 912

case report: serious adverse reactions to patent blue violet at lymphography, Barber CJ, Clin Radiol 1989; **40:** 631

case report: severe adverse reaction to oral iohexol, Glover JR; Thomas BM, Clin Radiol 1991; **44:** 137

contrast reactions: eked data from contrast-reaction surveys, Lasser EC, Invest Radiol 1990; **25:** S14

gadopentetate dimeglumine: reassessment of the clinical research process, Kieffer SA, AJNR 1990; **11:** 1168

granulocyte enzymes and complement after an anaphylactoid reaction to coronary angiography, Rasmussen F; Antonsen S; Georgsen J, Eur J Radiol 1991; **13:** 46

increased frequency of reactions to contrast materials during gastrointestinal studies, Feczko PJ, Radiology 1990; **174:** 367

reactions to contrast materials during gastrointestinal studies, Janower ML, Radiology 1990; **177:** 287

reactions to contrast materials during gastrointestinal studies: reply, Feczko PJ, Radiology 1990; **177:** 287

simplified radioenzymatic method for the study of whole blood histamine release in patients receiving radiographic contrast media, Faraj BA; Martin LG, Invest Radiol 1990; **25:** 1228

Anemia

atrophic gastritis in pernicious anemia: diagnosis by double-contrast radiography, Levine MS; Palman CL; Rubesin SE; et al, Gastrointest Radiol 1989; **14:** 215

chronic anaemia, hyperbaric oxygen and tumour radiosensitivity, McCormack M; Nias AHW; Smith E, Br J Radiol 1990; **63:** 752

computed tomographic assessment of vertebral bone mineral in childhood, Fredericks BJ; de Campo JF; Sephton R; et al, Skeletal Radiol 1990; **19:** 99

deferoxamine-induced bone dysplasia in patients with thalassemia major, Brill PW; Winchester P; Giardina PJ; et al, AJR 1991; **156:** 561

Doppler assessment of renal blood flow velocity waveforms in the anemic fetus before and after intravascular transfusion for severe red cell alloimmunization, Mari G; Moise KJ Jr; Deter RL; et al, JCU 1991; **19:** 15

hepatic infarction in preeclampsia, Kronthal AJ; Fishman EK; Kuhlman JE; Bohlman ME, Radiology 1990; **177:** 726

hepatic iron overload: quantitative MR imaging, Gomori JM; Horev G; Tamary H; Zandback J; Kornreich L; Zaizov R; Freud E; Krief O; Ben-Meir J; Rotem H; Kuspet M; Rosen P; Rachmilewitz EA; Loewenthal E; Gorodetsky R, Radiology 1991; **179:** 367

"lamellated" skull in β-thalassaemia, Orzincolo C; Castaldi G; Scutellari PN; et al, Skeletal Radiol 1989; **18:** 373

prognostic importance of anemia related parameters in patients with carcinoma of the cervix uteri, Obralič N; Bilenjki D; Bilbija Z, Acta Oncol 1990; **29:** 199

radiographic appearances following adequate transfusion in β-thalassaemia, Scutellari PN; Orzincolo C; Franceschini F; et al, Skeletal Radiol 1989; **17:** 545

splenic uptake of both technetium-99m diphosphonate and technetium-99m sulfur colloid in sickle cell beta° thalassemia, Heck LL; Brittin GM, Clin Nucl Med 1989; **14:** 557

splenic uptake on bone scanning in autoimmune hemolytic anemia, Dravid VS; Heyman S, Clin Nucl Med 1990; **15:** 584

unusual long bone changes in thalassaemia: findings on plain radiography and computed tomography, Singcharoen T, Br J Radiol 1989; **62:** 168

unusual manifestation of extramedullary haematopoiesis in thalassaemia major (report of 2 cases), Rao M; Mukhopadhyay S; Bhargava S, Australas Radiol 1989; **33:** 187

Anemia, aplastic

unusual pattern of marrow distribution following treatment of aplastic anemia, Fawcett HD; Sayle BA; Nusynowitz ML; et al, Clin Nucl Med 1989; **14:** 462

Anesthesia

celiac plexus neurolysis with the modified transaortic approach, Lieberman RP; Waldman SD, Radiology 1990; **175:** 274

complications of epidural anesthesia: MR appearance of abnormalities, Sklar EML; Quencer RM; Green BA; Montalvo BM; Post MJD, Radiology 1991; **181:** 549

effect of lidocaine on the meninges in an experimental animal model, Nguyen CM; Ho K-C; Haughton VM, Invest Radiol 1991; **26:** 745

high dose chloral hydrate sedation for children undergoing CT, Greenberg SB; Faerber EN; Aspinall CL, JCAT 1991; **15:** 467

imaging findings in a patient with pentazocine-induced myopathy, De Schepper AMA; Degryse HRM, AJR 1990; **154:** 343

intraarterial administration of lidocaine for analgesia in hepatic chemoembolization, Molgaard CP; Teitelbaum GP; Pentecost MJ; Finck EJ; Davis SH; Dziubinski JE; Daniels JR, JVIR 1990; **1:** 81

introduction: sedation and imaging protocol, Jaffe RB, Semin US CT MR 1990; **11:** 181

monitoring sedated pediatric patients during MR imaging, Shellock FG, Radiology 1990; **177:** 586

naloxone reverses pattern of obstruction of the distal common bile duct induced by analgesic narcotics in hepatobiliary imaging, Patch GG; Morton KA; Arias JM; et al, J Nucl Med 1991; **32:** 1270

pediatric sedation, Cohen MD, Radiology 1990; **175:** 611

pleural block: technique for regional anesthesia during percutaneous hepatobiliary drainage, Rosenblatt M; Robalino J; Bergman A; Shevde K, Radiology 1989; **172:** 279

randomized double-blind trial of midazolam/placebo and midazolam/fentanyl for sedation and analgesia in lower-extremity angiography, Cragg AH; Smith TP; Berbaum KS; et al, AJR 1991; **157:** 173

regional anesthesia for hepatic arterial embolization, Coldwell DM; Loper KA, Radiology 1989; **172:** 1039

relaxation response in femoral angiography, Mandle CL; Domar AD; Harrington DP; Leserman J; Bozadjian EM; Friedman R; Benson H, Radiology 1990; **174:** 737

sedation in pediatric CT: national survey of current practice, Keeter S; Benator RM; Weinberg SM; Hartenberg MA, Radiology 1990; **175:** 745

sedation of pediatric patients: an anesthesiologist's perspective, Fisher DM, Radiology 1990; **175:** 613

stereotactic retrobulbar anesthesia using CT, Vogl G; Schimek F; Ozdoba C; et al, JCAT 1990; **14:** 859

technical report: nalbuphine hydrochloride (Nubain, DuPont) as premedication for radiological procedures, Glanville JN, Clin Radiol 1990; **42:** 212

twice-daily anesthesia in infants receiving hyperfractionated irradiation, Menache L; Eifel PJ; Kennamer DL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 625

use of oximetry during MR imaging of pediatric patients, Fisher DM; Litt L; Coté CJ, Radiology 1991; **178:** 891

Aneurysm

bilateral internal mammary artery aneurysms: a previously unreported cause for an anterior mediastinal mass, Giles JA; Sechtin AG; Waybill MM; et al, AJR 1990; **154:** 1189

multiple aneurysms in Behçet's disease, (ab), Bartlett ST; McCarthy WJ III; Palmer AS; et al, Radiology 1989; **171:** 293

neck and thorax venous aneurysm: association with cystic hygroma, Joseph AE; Donaldson JS; Reynolds M, Radiology 1989; **170:** 109

pulsatile masses surrounding vascular prostheses: real-time US color flow imaging, Polak JF; Donaldson MC; Whittemore AD; Mannick JA; O'Leary DH, Radiology 1989; **170:** 363

rapid detection of a giant aneurysm of rignt sinus of Valsalva by radioisotopic angiography, Ishimura J; Fukuchi M, Clin Nucl Med 1990; **15:** 732

thrombosis of multiple aneurysms of a lateral lenticulostriate artery: an angiographic follow-up, Gupta AK; Rao VRK; Mandalam KR; et al, Neuroradiol 1989; **31:** 193

Aneurysm, abdominal

abdominal aneurysms in childhood: report of a case and review of the literature, (ab), Sarkar R; Cilley RE; Coran AG, JVIR 1991; **2:** 411

abdominal aneurysms in childhood: report of a case and review of the literature, (ab), Sarkar R; Cilley RE; Coran AG, Radiology 1991; **180:** 883

Aneurysm, aortic

abdominal aortic aneurysm evaluation: comparison of US, CT, MRI, and angiography, (ab), Pavone P; di Cesare E; di Renzi P; et al, JVIR 1990; **1:** 136

accuracy of CT scanning in the diagnosis of abdominal and thoracoabdominal aortic aneurysms, (ab), Todd GJ; Nowygrod R; Benvensity A; et al, Radiology 1991; **180:** 591

aneurysm formation after repair of coarctation of the aorta, Cheng TO, Radiology 1991; **181:** 905

aortic dissection and dissecting aortic aneurysms, (ab), Crawford ES; Svensson LG; Coselli JS; et al, Radiology 1989; **172:** 293

aortobronchial fistula as a complication of surgery for correction of congenital aortic anomalies, Garniek A; Morag B; Schmahmann S; Rubinstein ZJ, Radiology 1990; **175:** 347

association between aneurysm formation and systemic hypertension in Takayasu's arteritis, Sharma S; Rajani M; Kamalakar T; et al, Clin Radiol 1990; **42:** 182

bilobed aortic aneurysm detected on bleeding study, Negrin JA; Mack JM; Antar MA; et al, Clin Nucl Med 1990; **15:** 443

"Carpentier" thoracic aortic by-pass technique for management of descending aortic aneurysms and dissections—a radiological perspective, Morgan PW; Cameron DC; Carter M, Australas Radiol 1990; **34:** 106

case report: mycotic pseudoaneurysm of the descending thoracic aorta associated with vertebral osteomyelitis, Reed DH, Clin Radiol 1990; **41:** 427

coarctation of the aorta: MR imaging in late postoperative assessment, Rees S; Somerville J; Ward C; Martinez J; Mohiaddin RH; Underwood R; Longmore DB, Radiology 1989; **173:** 499

compression of pulmonary artery by syphilitic thoracic aortic aneurysm: imaging, Preston DS; Colletti PM; Raval JK; et al, Clin Nucl Med 1989; **14:** 610

computed tomography of the normal aorta and thoracic aneurysms, Posniak HV; Demos TC; Marsan RE, Semin Roentgenol 1989; **24:** 7

CT appearance of mycotic abdominal aortic aneurysms, Blair RH; Resnik MD; Polga JP, JCAT 1989; **13:** 101

CT appearances of ruptured abdominal aortic aneurysms, Garb M, Australas Radiol 1989; **33:** 154

CT of thoracic aortic aneurysms, Posniak HV; Olson MC; Demos TC; Benjoya RA; Marsan RE, Radiographics 1990; **10:** 839

digital subtraction spinal cord angiography in patients undergoing thoracic aneurysm surgery, Fereshetian A; Kadir S; Kaufman SL; et al, Cardiovasc Intervent Radiol 1989; **12:** 7

embolization of a thoracic aortic aneurysm; the straddling coil technique: technical note, Mori H; Fukuda T; Ishida Y; et al, Cardiovasc Intervent Radiol 1990; **13:** 50

embolization of large saccular aneurysms with Gianturco coils, Rao VRK; Mandalam KR; Joseph S; Satija V; Gupta VK; Gupta AK; Jain SK; Unni MN; Rao AS, Radiology 1990; **175:** 407

evolution of a mycotic aneurysm of the thoracoabdominal aorta, Markus J; Tuttle RJ, J Canad Assoc Radiol 1989; **40:** 45

fast selective black blood MR imaging, Edelman RR; Chien D; Kim D, Radiology 1991; **181:** 655

general case of the day, Samson L; Chalaoui J; Paradis B, Radiographics 1990; **10:** 508

human abdominal aortic aneurysms: immunophenotypic analysis suggesting an immune-mediated response, (ab), Koch AE; Haines GK; Rizzo RJ; et al, Radiology 1991; **179:** 590

imaging of abdominal aortic aneurysms, LaRoy LL; Cormier PJ; Matalon TAS; et al, AJR 1989; **152:** 785

incidence of spontaneous ultrasonic contrast in abdominal aortic aneurysms, Wilson DG; Winkler SS, Invest Radiol 1989; **24:** 479

increased prevalence of cholelithiasis in patients with abdominal aortic aneurysm: sonographic evaluation, Schuster JJ; Raptopoulos V; Baker SP, AJR 1989; **152:** 509

inflammatory abdominal aortic aneurysm: a cause of urinary obstruction and acute renal failure, Bartlett P; Woods D; Dobranowski J, J Canad Assoc Radiol 1989; **40:** 164

inflammatory aneurysms of the abdominal aorta, (ab), Moosa HH; Peitzman AB; Steed DL; et al, Radiology 1990; **174:** 294

is screening for abdominal aortic aneurysm worthwhile?, Russell JGB, Clin Radiol 1990; **41:** 182

left cervical arch and associated abnormalities, Kumar S; Mandalam KR; Unni M; et al, Cardiovasc Intervent Radiol 1989; **12:** 88

magnetic resonance imaging of ruptured aneurysm of the ascending aorta, Spielmann RP; Küng EE; Witte G; et al, Br J Radiol 1989; **62:** 373

mycotic aneurysm of the abdominal aorta: diagnosis by duplex sonography, Willing SJ; Fanizza-Orphanos A; Thomas HA, J Ultrasound Med 1989; **8:** 527

mycotic aneurysm of the abdominal aorta in the neonate, Tran-Minh VA; Le Gall C; Pasquier JM; et al, JCU 1989; **17:** 37

penetrating aortic ulcers: diagnosis with MR imaging, Yucel EK; Steinberg FL; Egglin TK; Geller SC; Waltman AC; Athanasoulis CA, Radiology 1990; **177:** 779

penetrating atherosclerotic aortic ulcer with dissecting hematoma: control of bleeding with percutaneous embolization, Williams DM; Kirsh MM; Abrams GD, Radiology 1991; **181:** 85

percutaneously placed endovascular grafts for aortic aneurysms: feasibility study, Mirich D; Wright KC; Wallace S; Yoshioka T; Lawrence DD Jr; Charnsangavej C; Gianturco C, Radiology 1989; **170:** 1033

percutaneous management of abscesses that involve native arteries or synthetic arterial grafts, Lambiase RE; Dorfman GS; Cronan JJ, Radiology 1989; **173:** 815

proposed new mechanism of traumatic aortic rupture: the osseous pinch, Crass JR; Cohen AM; Motta AO; Tomashefski JF Jr; Wiesen EJ, Radiology 1990; **176:** 645

radiologic evaluation of penetrating aortic atherosclerotic ulcer, Welch TJ; Stanson AW; Sheedy PF II; Johnson CM; McKusick MA, Radiographics 1990; **10:** 675

renal artery stenosis in patients with aortic dissection: increased prevalence, Rackson ME; Lossef SV; Sos TA, Radiology 1990; **177:** 555

repair of coarctation of the aorta in children: postoperative morphology, Pinzon JL; Burrows PE; Benson LN; Moës CAF; Lightfoot NE; Williams WG; Freedom RM, Radiology 1991; **180:** 199

selective screening for abdominal aortic aneurysms with physical examinations and ultrasound, (ab), Lederle FA; Walker JM; Reinke DB, Radiology 1989; **170:** 581

sequential development of multiple aortic aneurysms in a neonate post umbilical arterial catheter insertion, Kirpekar M; Augenstein H; Abiri M, Pediatr Radiol 1989; **19:** 452

spinal cord ischemia after resection of thoracoabdominal aortic aneurysms: MR findings in 24 patients, Mawad ME; Rivera V; Crawford S; et al, AJR 1990; **155:** 1303

thoracic aortic aneurysms after acute type A aortic dissection: necessity for follow-up, (ab), Heinemann M; Laas J; Karck M; et al, Radiology 1990; **177:** 893

ultrafast computed tomography in the diagnosis of aortic aneurysms and dissections, Stanford W; Rooholamini SA; Galvin JR, J Thorac Imag 1990; **5-4:** 32

use of ACE inhibitors in patients with renal artery stenosis, Stansby G; Scoble J; Hilson A; Hamilton G, Radiology 1991; **180:** 290

use of ACE inhibitors in patients with renal artery stenosis: reply, Rackson ME; Lossef SV; Sos TA, Radiology 1991; **180:** 291

utility of computed tomography for surveillance of small abdominal aortic aneurysms: preliminary report, (ab), Krupski WC; Bass A; Thurston DW; et al, Radiology 1991; **179:** 887

value of computed tomography in the management of symptomatic abdominal aortic aneurysms, (ab), Kvilekval KHV; Best IM; Mason RA; et al, Radiology 1991; **178:** 294

Aneurysm, bronchial

computed tomography of bronchial artery aneurysm with erosion into the esophagus, Shaer AH; Bashist B, JCAT 1989; **13:** 1069

mediastinal bronchial artery aneurysm: dynamic computed tomography appearance, Remy-Jardin M; Remy J; Ramon P; et al, Cardiovasc Intervent Radiol 1991; **14:** 118

Aneurysm, cardiac

improved detection of anterior left ventricular aneurysm with multiharmonic Fourier analysis, Valette HB; Bourguignon MH; Merlet P; et al, J Nucl Med 1990; **31:** 1303

ventricular aneurysm due to blunt chest injury, (ab), Grieco JG; Montoya A; Sullivan HJ; et al, Radiology 1989; **173:** 292

Aneurysm, carotid

anatomoradiological correlation of the intersection of the carotid siphon with the dura mater, Kraemer JL; Schneider FL; Raupp SF; et al, Neuroradiol 1989; **31:** 408

aneurysms involving the intrapetrous internal carotid artery: a rare cause of Horner's syndrome, Rawlinson J; Colquhoun IR, Br J Radiol 1990; **63:** 69

aneurysms of the petrous portion of the internal carotid artery: results of treatment with endosvascular or surgical occlusion, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1990; **11:** 253

angiographic diagnosis of small aneurysms of the posterior communicating artery, Chui M; Muller P; Tucker W, AJNR 1990; **11:** 1165

bilateral dissecting aneurysms of the extracranial vertebral arteries associated with cervical carotid artery aneurysm, Rodacki MA; Mello LR, AJNR 1990; **11:** 1147

bilateral giant intracavernous carotid aneurysms in a 16-year-old boy, Winter RK; Hourihan MD; McKnight LG; et al, Neuroradiol 1989; **31:** 284

CT and angiography in a patient with three intracranial giant aneurysms, Altinörs N; Kars Z; Çerezci A; et al, Acta Radiol 1991; **32:** 203

embolization of large saccular aneurysms with Gianturco coils, Rao VRK; Mandalam KR; Joseph S; Satija V; Gupta VK; Gupta AK; Jain SK; Unni MN; Rao AS, Radiology 1990; **175:** 407

extracranial carotid artery aneurysms following accidental injury: ten years experience, Sharma S; Rajani M; Mishra N; et al, Clin Radiol 1991; **43:** 162

giant aneurysm of the petrous carotid artery presenting with facial numbness, Gibson RD; Cowan IA, Neuroradiol 1989; **31:** 440

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intracavernous aneurysm: superior demonstration by magnetic resonance angiography, Demaerel P; Marchal G; Casteels I; et al, Neuroradiol 1990; **32:** 322

laser-induced thermal occlusion of berry aneurysms: initial experimental results, O'Reilly GV; Forrest MD; Schoene WC; Clarke RH, Radiology 1989; **171:** 471

on research, training, politico-economics, and radiology, Davis DO, Radiology 1989; **171:** 319

production of experimental aneurysms at a surgically created arterial bifurcation, Forrest MD; O'Reilly GV, AJNR 1989; **10:** 400

pseudoaneurysm of the cervical internal carotid artery with associated hypoglossal nerve paralysis: demonstration by CT and angiography, Nusynowitz RN; Stricof DD, Neuroradiol 1990; **32:** 229

treatment of carotid artery aneurysms with platinum coils: an experimental study in dogs, Graves VB; Partington CR; Rüfenacht DA; et al, AJNR 1990; **11:** 249

Aneurysm, cerebellar

aneurysm of the posterior inferior cerebellar artery: nonselective endovascular treatment. one case, Aymard A; Marciano S; Cervignon EG; et al, J Neuroradiol 1989; **16:** 75

incidental aneurysm of the superior cerebellar and non-visualized posterior inferior cerebellar artery: a diagnostic trap, Sadato N; Rigamonti D; Numaguchi Y, Neuroradiol 1989; **31:** 364

Aneurysm, cerebral

azygos anterior cerebral artery mimicking an anterior communicating artery aneurysm, Lightfoote JB; Grusd RS; Nalls GA, AJNR 1989; **10:** S74

cardiac myxoma metastatic to the temporal bone, Jungreis CA; Sekhar LN; Martinez AJ; Hirsch BE, Radiology 1989; **170:** 244

cerebral aneurysms in childhood and adolescence, (ab), Meyer FB; Sundt TM Jr; Fode NC; et al, Radiology 1989; **173:** 888

endovascular treatment of intracranial aneurysms with a new silicone microballoon device: technical considerations and indications for therapy, Higashida RT; Halbach VV; Dormandy B; Bell JD; Hieshima GB, Radiology 1990; **174:** 687

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

general case of the day: annual meeting, 1988, Spitzer RM; Monajati A; Tom V; VanZandt TF, Radiographics 1989; **9:** 559

intracranial aneurysms and vascular malformations: comparison of time-of-flight and phase-contrast MR angiography, Huston J III; Rufenacht DA; Ehman RL; Wiebers DO, Radiology 1991; **181:** 721

intracranial circulation: preliminary clinical results with three-dimensional (volume) MR angiography, Masaryk TJ; Modic MT; Ross JS; Ruggieri PM; Laub GA; Lenz GW; Haacke EM; Selman WR; Wiznitzer M; Harik SI, Radiology 1989; **171:** 793

intracranial oncotic aneurysms from choriocarcinoma: case report and review of the literature, Hove B; Andersen BB; Christiansen TM, Neuroradiol 1990; **32:** 526

multiple cerebral aneurysms—a reappraisal, Wilson FMA; Jaspan T; Holland IM, Neuroradiol 1989; **31:** 232

saccular aneurysm of the azygos anterior cerebral artery, Schick RM; Rumbaugh CL, AJNR 1989; **10:** S73

three-dimensional time-of-flight MR angiography in the evaluation of cerebral aneurysms, Sevick RJ; Tsuruda JS; Schmalbrock P, JCAT 1990; **14:** 874

treatment of giant anterior communicating artery aneurysm via an endovascular approach using detachable balloons and occlusive coils, Nakahara I; Taki W; Nishi S; et al, AJNR 1990; **11:** 1195

Aneurysm, coronary

coronary angiographic abnormalities in mucocutaneous lymph node syndrome: acute findings and long-term follow-up, Kuribayashi S; Ootaki M; Tsuji M; Matsuyama S; Iwasaki H; Oota T, Radiology 1989; **172:** 629

effect of left ventricular aneurysm on risk of sudden and nonsudden cardiac death, (ab), Hassapoyannes CA; Stuck LM; Hornung CA; et al, Radiology 1991; **181:** 613

MR imaging of coronary artery aneurysms in a child with Kawasaki disease, Bisset GS III; Strife JL; McCloskey J, AJR 1989; **152:** 805

two giant congenital aneurysms of the left anterior descending coronary artery with right ventricle fistula: diagnosis based on two-dimensional echocardiography and magnetic resonance imaging, Zhang C-C; Hu L-X; Guo D-W; et al, JCU 1990; **18:** 601

Aneurysm, cranial

elimination of a cirsoid aneurysm of the scalp by direct percutaneous embolization with thrombogenic coils: case report, (ab), Heilman CB; Kwan ES; Klucznik RP; et al, JVIR 1991; **2:** 287

Aneurysm, CT

aneurysm of the portal vein: ultrasound and computed tomography identification, Dognini L; Carreri AL; Moscatelli G, JCU 1991; **19:** 178

computed tomography of ruptured aneurysm of the profunda femoris artery, Bourgeois DJ; Nolan R; Brown P, Clin Imag 1990; **14:** 228

CT of thoracic aortic aneurysms, Posniak HV; Olson MC; Demos TC; Benjoya RA; Marsan RE, Radiographics 1990; **10:** 839

mediastinal bronchial artery aneurysm: dynamic computed tomography appearance, Remy-Jardin M; Remy J; Ramon P; et al, Cardiovasc Intervent Radiol 1991; **14:** 118

utility of computed tomography for surveillance of small abdominal aortic aneurysms: preliminary report, (ab), Krupski WC; Bass A; Thurston DW; et al, Radiology 1991; **179:** 887

Aneurysm, femoral

computed tomography of ruptured aneurysm of the profunda femoris artery, Bourgeois DJ; Nolan R; Brown P, Clin Imag 1990; **14:** 228

postangiographic femoral artery injuries: nonsurgical repair with US-guided compression, Fellmeth BD; Roberts AC; Bookstein JJ; Freischlag JA; Forsythe JR; Buckner NK; Hye RJ, Radiology 1991; **178:** 671

postcatheterization femoral artery injuries: is there a role for nonsurgical treatment?, Dorfman GS; Cronan JJ, Radiology 1991; **178:** 629

Aneurysm, hemiazygos

hemiazygos vein aneurysm: CT documentation, Hayward I; Forrest JV; Sagel SS, JCAT 1989; **13:** 1072

Aneurysm, hepatic

aspect échographique de l'anévrisme de l'artère hépatique simulant une masse néoplasique du porta hepatis, Chhem RK; Groleau S, J Canad Assoc Radiol 1989; **40:** 222

diagnosis of hepatic artery aneurysm with portal vein fistula using image-directed Doppler ultrasound, Endress C; Kling GA; Madrazo BL, JCU 1989; **17:** 206

intrahepatic hepatic artery aneurysm: computed tomography and color-flow Doppler ultrasound findings, Warshauer DM; Keefe B; Mauro MA, Gastrointest Radiol 1991; **16:** 175

percutaneous transhepatic treatment of a large intrahepatic aneurysm, Rothbarth LJ; Redmond PL; Kumpe DA, AJR 1989; **153:** 1077

posttraumatic intrahepatic arterial pseudoaneurysm: treatment with direct percutaneous puncture, Lukancic SP; Nemcek AA Jr; Vogelzang RL, JVIR 1991; **2:** 335

preoperative balloon-tipped catheter placement for proximal control in visceral artery aneurysm surgery, (ab), Rapp JH; Kerlan R; Ring EJ; et al, Radiology 1989; **170:** 902

radiological evaluation of hepatic artery aneurysms, Song H-Y; Choi K-C; Park J-H; et al, Gastrointest Radiol 1989; **14:** 329

ruptured hepatic artery aneurysms in a patient with systemic lupus erythematosus: case report, Trambert J; Reinitz E; Buchbinder S, Cardiovasc Intervent Radiol 1989; **12:** 32

spontaneos rupture of intrahepatic artery aneurysm with complicated vascular anomalies, Namieno T; Hata Y; Uchino J; et al, Gastrointest Radiol 1991; **16:** 172

Aneurysm, iliac

iliac artery aneurysm causing ureteric obstruction, Farag AO; Elgazzar AH; Abdel-Dayem HM; et al, Clin Nucl Med 1990; **15:** 201

natural history and management of iliac aneurysms, (ab), Richardson JW; Greenfield LJ, Radiology 1989; **170:** 902

pseudoaneurysm of common iliac artery mimicking colonic metastasis on double-contrast barium enema, Donahue F; Levine MS; Rubesin SE, J Canad Assoc Radiol 1989; **40:** 224

Aneurysm, intracranial

comments on interventional neuroradiology, Chase NE, Radiology 1991; **178:** 624

giant intracranial aneurysm surgery: the role of microvascular reconstruction, (ab), Ausman JI; Diaz FG; Sadasivan B; et al, JVIR 1990; **1:** 141

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intracranial aneurysms: evaluation by MR angiography, Ross JS; Masaryk TJ; Modic MT; et al, AJNR 1990; **11:** 449

intracranial aneurysms: evaluation by MR angiography, Ross JS; Masaryk TJ; Modic MT; et al, AJR 1990; **155:** 159

intracranial aneurysms: interventional neurovascular treatment with detachable balloons, Kobrine AI, Radiology 1991; **178:** 627

intracranial aneurysms: interventional neurovascular treatment with detachable balloons—results in 215 cases, Higashida RT; Halbach VV; Dowd CF; Barnwell SL; Hieshima GB, Radiology 1991; **178:** 663

mycotic vasculitis with repeated intracranial aneurysmal hemorrhage, (ab), Venger BH; Aldama AE, Radiology 1989; **172:** 588

thrombus formation and structure and the evolution of mass effect in intracranial aneurysms treated by balloon embolization: emphasis on MR findings, Strother CM; Eldevik P; Kikuchi Y; et al, AJNR 1989; **10:** 787

treatment of intracranial aneurysms with preservation of the parent vessel: results of percutaneous balloon embolization in 84 patients, (ab), Higashida RT; Halbach VV; Barnwell SL; et al, JVIR 1991; **2:** 421

treatment of intracranial aneurysms with preservation of the parent vessel: results of percutaneous balloon embolization in 84 patients, Higashida RT; Halbach VV; Barnwell SL; et al, AJNR 1990; **11:** 633

Aneurysm, mesenteric

CT diagnosis of spontaneous dissection of the superior mesenteric artery, Corbetti F; Vigo M; Bulzacchi A; et al, JCAT 1989; **13:** 965

embolization of a mesenteric artery aneurysm: case report, Ku A; Kadir S, Cardiovasc Intervent Radiol 1990; **13:** 91

superior mesenteric artery branch aneurysm diagnosed by ultrasound, Verma BS; Bose AK; Bhatia HC; et al, Br J Radiol 1991; **64:** 169

transcatheter embolization of a ruptured superior mesenteric artery aneurysm with Gianturco coils: a case report, Bindman DJ; Rogoff PA; Bartlett FF; et al, Cardiovasc Intervent Radiol 1990; **13:** 289

Aneurysm, MR

dissecting and fusiform aneurysms of vertebro-basilar systems: MR imaging, Iwama T; Andoh T; Sakai N; et al, Neuroradiol 1990; **32:** 272

intracavernous aneurysm: superior demonstration by magnetic resonance angiography, Demaerel P; Marchal G; Casteels I; et al, Neuroradiol 1990; **32:** 322

intracranial aneurysms: evaluation by MR angiography, Ross JS; Masaryk TJ; Modic MT; et al, AJNR 1990; **11:** 449

intracranial aneurysms: evaluation by MR angiography, Ross JS; Masaryk TJ; Modic MT; et al, AJR 1990; **155:** 159

magnetic resonance imaging of ruptured aneurysm of the ascending aorta, Spielmann RP; Küng EE; Witte G; et al, Br J Radiol 1989; **62:** 373

MR imaging after surgery for vertebrobasilar aneurysm, Brothers MF; Fox AJ; Lee DH; et al, AJNR 1990; **11:** 149

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551

right-side aortic arch with aneurysm of aberrant left subclavian artery: MR imaging appearance, Benedikt RA; Jelinek JS; Schaefer PS; Edwards F; Ghaed V, JMRI 1991; **1:** 485

three-dimensional time-of-flight MR angiography in the evaluation of cerebral aneurysms, Sevick RJ; Tsuruda JS; Schmalbrock P, JCAT 1990; **14:** 874

thrombus formation and structure and the evolution of mass effect in intracranial aneurysms treated by balloon embolization: emphasis on MR findings, Strother CM; Eldevik P; Kikuchi Y; et al, AJNR 1989; **10:** 787

two giant congenital aneurysms of the left anterior descending coronary artery with right ventricle fistula: diagnosis based on two-dimensional echocardiography and magnetic resonance imaging, Zhang C-C; Hu L-X; Guo D-W; et al, JCU 1990; **18:** 601

Aneurysm, mycotic

case report: mycotic pseudoaneurysm of the descending thoracic aorta associated with vertebral osteomyelitis, Reed DH, Clin Radiol 1990; **41:** 427

catheter occlusion of a mycotic renal artery aneurysm with cure of associated renovascular hypertension, Nosher JL; Needell GS; Bialy G; et al, Cardiovasc Intervent Radiol 1989; **12:** 310

CT appearance of mycotic abdominal aortic aneurysms, Blair RH; Resnik MD; Polga JP, JCAT 1989; **13:** 101

CT of thoracic aortic aneurysms, Posniak HV; Olson MC; Demos TC; Benjoya RA; Marsan RE, Radiographics 1990; **10:** 839

evolution of a mycotic aneurysm of the thoracoabdominal aorta, Markus J; Tuttle RJ, J Canad Assoc Radiol 1989; **40:** 45

mycotic aneurysm of the abdominal aorta: diagnosis by duplex sonography, Willing SJ; Fanizza-Orphanos A; Thomas HA, J Ultrasound Med 1989; **8:** 527

mycotic aneurysm of the abdominal aorta in the neonate, Tran-Minh VA; Le Gall C; Pasquier JM; et al, JCU 1989; **17:** 37

mycotic vasculitis with repeated intracranial aneurysmal hemorrhage, (ab), Venger BH; Aldama AE, Radiology 1989; **172:** 588

pediatric case of the day, Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT, Radiographics 1990; **10:** 119

pseudoaneurysm of the inferior epigastric artery: diagnosis and percutaneous treatment, Gage TS; Sussman SK; Conard FU III; et al, AJR 1990; **155:** 529

Aneurysm, pancreaticoduodenal

aneurysm of the inferior pancreaticoduodenal artery diagnosed by real-time ultrasound and pulsed Doppler, Grech P; Rowlands P; Crofton M, Br J Radiol 1989; **62:** 753

Aneurysm, popliteal

case report 651, Bilotta W; Walker H; McDonald DJ; et al, Skeletal Radiol 1991; **20:** 71

diagnosis of a popliteal venous aneurysm by venous duplex imaging, Katz ML; Comerota AJ, J Ultrasound Med 1991; **10:** 171

incidence of popliteal aneurysms in patients with arteriomegaly, Chan O; Thomas ML, Clin Radiol 1990; **41:** 185

popliteal artery entrapment: findings at MR imaging, McGuinness G; Durham JD; Rutherford RB; Thickman D; Kumpe DA, JVIR 1991; **2:** 241

Aneurysm, portal vein

alcoholic woman with hematemesis, nausea, and abdominal pain, Kreft B; Harder T; Kania U, Invest Radiol 1991; **26:** 203

aneurysm of the portal vein: ultrasound and computed tomography identification, Dognini L; Carreri AL; Moscatelli G, JCU 1991; **19:** 178

Aneurysm, pulmonary

aneurysms of the pulmonary arteries, (ab), Bartter T; Irwin RS; Nash G, Radiology 1989; **172:** 291

bronchial migration of pulmonary arterial coil, Abad J; Villar R; Parga G; et al, Cardiovasc Intervent Radiol 1990; **13:** 345

pulmonary CT findings in Behcet disease, Winer-Muram HT; Gavant ML, JCAT 1989; **13:** 346

Aneurysm, renal

catheter occlusion of a mycotic renal artery aneurysm with cure of associated renovascular hypertension, Nosher JL; Needell GS; Bialy G; et al, Cardiovasc Intervent Radiol 1989; **12:** 310

diagnostic significance of angiographically observed visceral aneurysms with regard to polyarteritis nodosa, Hekali P; Kajander H; Pajari R; et al, Acta Radiol 1991; **32:** 143

dissecting renal artery aneurysm: treatment with an endovascular stent, Mali WPTM; Geyskes GG; Thalman R, AJR 1989; **153:** 623

renal aneurysm and arteriovenous fistula: management with transcatheter embolization, Savastano S; Feltrin GP; Miotto D; et al, Acta Radiol 1990; **31:** 73

renal artery aneurysm: selective treatment for hypertension and prevention of rupture, (ab), Martin RS III; Meacham PW; Ditesheim JA; et al, Radiology 1989; **172:** 887

sonographic evaluation of renal artery aneurysm in childhood, Bunchman TE; Walker HSJ III; Joyce PF; et al, Pediatr Radiol 1991; **21:** 312

transcatheter thrombosis of a leaking saccular aneurysm of the main renal artery with preservation of renal blood flow, Routh WD; Keller FS; Gross GM, AJR 1990; **154:** 1097

unusual manifestations of renal artery aneurysms, Silver PR; Budin JA, Urol Radiol 1990; **12:** 80

Aneurysm, rupture

CT appearances of ruptured abdominal aortic aneurysms, Garb M, Australas Radiol 1989; **33:** 154

CT demonstration of a ruptured splenic artery aneurysm, Brunet WG; Greenberg HM, JCAT 1991; **15:** 177

CT diagnosis of right hemothorax secondary to ruptured thoracoabdominal aneurysm: case report, Miller SF; Shah HR; Pritchard RS; et al, Cardiovasc Intervent Radiol 1989; **12:** 326

magnetic resonance imaging of ruptured aneurysm of the ascending aorta, Spielmann RP; Küng EE; Witte G; et al, Br J Radiol 1989; **62:** 373

ruptured anomalous right subclavian artery: aneurysm or diverticulum?, Felson B, Semin Roentgenol 1989; **24:** 121

spontaneos rupture of intrahepatic artery aneurysm with complicated vascular anomalies, Namieno T; Hata Y; Uchino J; et al, Gastrointest Radiol 1991; **16:** 172

Aneurysm, splenic

completely thrombosed splenic artery aneurysm mimicking cystic pancreatic mass: computed tomographic findings, Murayama S; Shimoda Y, Gastrointest Radiol 1990; **15:** 205

CT demonstration of a ruptured splenic artery aneurysm, Brunet WG; Greenberg HM, JCAT 1991; **15:** 177

technical report: splenic artery aneurysm embolisation—the preferred technique to surgery, Reidy JF; Rowe PH; Ellis FG, Clin Radiol 1990; **41:** 281

Aneurysm, subclavian

case of the season, Kullnig P, Semin Roentgenol 1989; **24:** 75

right-side aortic arch with aneurysm of aberrant left subclavian artery: MR imaging appearance, Benedikt RA; Jelinek JS; Schaefer PS; Edwards F; Ghaed V, JMRI 1991; **1:** 485

ruptured anomalous right subclavian artery: aneurysm or diverticulum?, Felson B, Semin Roentgenol 1989; **24:** 121

subclavian artery aneurysm caused by cervical rib: case report and review, Engel A; Adler OB; Carmeli R, Cardiovasc Intervent Radiol 1989; **12:** 92

subclavian artery aneurysm presenting with recurrent haemoptysis—a case report, Kulpati DDS; Gupta R; Kapoor R; et al, Australas Radiol 1990; **34:** 175

Aneurysm, therapy

aneurysms of the petrous portion of the internal carotid artery: results of treatment with endosvascular or surgical occlusion, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1990; **11:** 253

balloon embolization of a basilar bifurcation aneurysm, Guglielmi G, AJNR 1990; **11:** 653

balloon embolization of a giant vertebral-basilar aneurysm, Guglielmi G; Guidetti G; Mori S; et al, AJNR 1989; **10:** S28

balloon embolization of experimentally created aneurysms: an animal training model, Geremia GK; Hoile RD; Haklin MF; et al, AJNR 1990; **11:** 659

catheter occlusion of a mycotic renal artery aneurysm with cure of associated renovascular hypertension, Nosher JL; Needell GS; Bialy G; et al, Cardiovasc Intervent Radiol 1989; **12:** 310

comments on interventional neuroradiology, Chase NE, Radiology 1991; **178:** 624

elimination of a cirsoid aneurysm of the scalp by direct percutaneous embolization with thrombogenic coils: case report, (ab), Heilman CB; Kwan ES; Klucznik RP; et al, JVIR 1991; **2:** 287

embolization of a mesenteric artery aneurysm: case report, Ku A; Kadir S, Cardiovasc Intervent Radiol 1990; **13:** 91

embolization of a thoracic aortic aneurysm; the straddling coil technique: technical note, Mori H; Fukuda T; Ishida Y; et al, Cardiovasc Intervent Radiol 1990; **13:** 50

embolization of large saccular aneurysms with Gianturco coils, Rao VRK; Mandalam KR; Joseph S; Satija V; Gupta VK; Gupta AK; Jain SK; Unni MN; Rao AS, Radiology 1990; **175:** 407

endovascular treatment of intracranial aneurysms with a new silicone microballoon device: technical considerations and indications for therapy, Higashida RT; Halbach VV; Dormandy B; Bell JD; Hieshima GB, Radiology 1990; **174:** 687

hema and latex: a dangerous combination?, Forsting M; Sartor K, Neuroradiol 1991; **33:** 338

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intracranial aneurysms: interventional neurovascular treatment with detachable balloons, Kobrine AI, Radiology 1991; **178:** 627

intracranial aneurysms: interventional neurovascular treatment with detachable balloons—results in 215 cases, Higashida RT; Halbach VV; Dowd CF; Barnwell SL; Hieshima GB, Radiology 1991; **178:** 663

laser-induced thermal occlusion of berry aneurysms: initial experimental results, O'Reilly GV; Forrest MD; Schoene WC; Clarke RH, Radiology 1989; **171:** 471

penetrating atherosclerotic aortic ulcer with dissecting hematoma: control of bleeding with percutaneous embolization, Williams DM; Kirsh MM; Abrams GD, Radiology 1991; **181:** 85

percutaneous transhepatic treatment of a large intrahepatic aneurysm, Rothbarth LJ; Redmond PL; Kumpe DA, AJR 1989; **153:** 1077

role of angioplasty in the treatment of symptomatic vascular spasm occuring in the post-operative course of intracranial ruptured aneurysms, Bracard S; Picard L; Marchal JC; et al, J Neuroradiol 1990; **17:** 6

technical report: splenic artery aneurysm embolisation—the preferred technique to surgery, Reidy JF; Rowe PH; Ellis FG, Clin Radiol 1990; **41:** 281

thrombus formation and structure and the evolution of mass effect in intracranial aneurysms treated by balloon embolization: emphasis on MR findings, Strother CM; Eldevik P; Kikuchi Y; et al, AJNR 1989; **10:** 787

transcatheter embolization of a ruptured superior mesenteric artery aneurysm with Gianturco coils: a case report, Bindman DJ; Rogoff PA; Bartlett FF; et al, Cardiovasc Intervent Radiol 1990; **13:** 289

treatment of giant anterior communicating artery aneurysm via an endovascular approach using detachable balloons and occlusive coils, Nakahara I; Taki W; Nishi S; et al, AJNR 1990; **11:** 1195

treatment of intracranial aneurysms with preservation of the parent vessel: results of percutaneous balloon embolization in 84 patients, Higashida RT; Halbach VV; Barnwell SL; et al, AJNR 1990; **11:** 633

Aneurysm, vein of Galen

aneurysm of the vein of Galen: ultrasound, MRI and angiographic correlations, Leff SL; Kronfeld G; Leonidas JC, Pediatr Radiol 1989; **20:** 98

aneurysms of the vein of Galen: embryonic considerations and anatomical features relating to the pathogenesis of the malformation, Raybaud CA; Strother CM; Hald JK, Neuroradiol 1989; **31:** 109

calcification of an aneurysm of the vein of Galen, Chapman S; Hockley AD, Pediatr Radiol 1989; **19:** 541

role of ultrasound in the management of vein of Galen aneurysms in infancy, Abbitt PL; Hurst RW; Ferguson RDG; et al, Neuroradiol 1990; **32:** 86

transfemoral venous embolization of vein of Galen malformations, Dowd CF; Halbach VV; Barnwell SL; et al, AJNR 1990; **11:** 643

venous pressure measurements in vein of Galen aneurysms, Quisling RG; Mickle JP, AJNR 1989; **10:** 411

Aneurysm, vertebral

bilateral dissecting aneurysms of the extracranial vertebral arteries associated with cervical carotid artery aneurysm, Rodacki MA; Mello LR, AJNR 1990; **11:** 1147

extracranial vertebral artery aneurysm with neurofibromatosis: endovascular treatment by detachable balloon, Negoro M; Nakaya T; Terashima K; et al, Neuroradiol 1990; **31:** 533

growth of a thrombosed giant vertebral artery aneurysm after parent artery occlusion, Hecht ST; Horton JA; Yonas H, AJNR 1991; **12:** 449

Aneurysm, vertebrobasilar

balloon embolization of a giant vertebral-basilar aneurysm, Guglielmi G; Guidetti G; Mori S; et al, AJNR 1989; **10:** S28

dissecting and fusiform aneurysms of vertebro-basilar systems: MR imaging, Iwama T; Andoh T; Sakai N; et al, Neuroradiol 1990; **32:** 272

MR imaging after surgery for vertebrobasilar aneurysm, Brothers MF; Fox AJ; Lee DH; et al, AJNR 1990; **11:** 149

Aneurysmal bone cyst

See Bones, cysts

Angina

role of previous angina pectoris and collateral flow to preserve left ventricular function in the presence or absence of myocardial infarction in isolated total occlusion of the left anterior descending coronary artery, (ab), Juillière Y; Danchin N; Grentzinger A; et al, Radiology 1990; **177:** 293

urokinase plus heparin versus aspirin in unstable angina and non-Q-wave myocardial infarction, (ab), Schreiber TL; Macina G; McNulty A; et al, Radiology 1990; **175:** 885

Angiocardiography

See also Angiography; Coronary angiography

aortico-left ventricular tunnel: diagnosis by cine angiocardiography, Guo D-W, AJR 1989; **152:** 345

Angiocardiography, contrast media

risk of thromboembolism during diagnostic and interventional cardiac procedures with nonionic contrast media, Hwang MH; Piao ZE; Murdock DK; Messmore HL; Giardina JJ; Scanlon PJ, Radiology 1990; **174:** 453

Angiocardiography, radionuclide

combined exercise radionuclide angiocardiography and single photon emission computed tomography perfusion studies for assessment of coronary artery disease, Borges-Neto S; Coleman RE; Potts JM; et al, Semin Nucl Med 1991; **21:** 223

evaluation of ventricular function with first-pass iridium-191m radionuclide angiocardiography, Hellman C; Zafrir N; Shimoni A; et al, J Nucl Med 1989; **30:** 450

patent ductus arteriosus with Eisenmenger's syndrome detected by first-pass study, Kurata C; Sakata K; Taguchi T; et al, Clin Nucl Med 1989; **14:** 834

radionuclide methods to evaluate percutaneous transluminal coronary angioplasty, DePuey EG, Semin Nucl Med 1991; **21:** 102

Angiofibroma

evaluation of response following irradiation of juvenile angiofibromas, Robinson ACR; Khoury GG; Ash DV; et al, Br J Radiol 1989; **62:** 245

juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263

management of juvenile angiofibromata, (ab), Spector JG, Radiology 1989; **172:** 295

treatment of advanced juvenile nasopharyngeal angiofibroma, McGahan RA; Durrance FY; Parke RB Jr; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1067

Angiography

angiography in the 1990s: diagnosis and therapy, Picus D, Radiology 1990; **175:** 33

blunt splenic trauma and the angiographer: will we go back to the future?, Rees CR, Radiology 1991; **181:** 12

changes in atheroma volume estimated from digitized femoral arteriograms, Nilsson S; Erikson U, Acta Radiol 1990; **31:** 249

critical appraisal of coagulation studies prior to transfemoral angiography, Wilson NV; Corne JM; Given-Wilson RM, Br J Radiol 1990; **63:** 147

dose of one's own medicine, Huckman MS, AJNR 1990; **11:** 231

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

exposure rates in high-level-control fluoroscopy for image enhancement, Cagnon CH; Benedict SH; Mankovich NJ; Bushberg JT; Seibert JA; Whiting JS, Radiology 1991; **178:** 643

heparin in angiography: current patterns of use, Miller DL, Radiology 1989; **172:** 1007

is arterial proximity a valid indication for arteriography in penetrating extremity trauma? a prospective analysis, (ab), Weaver FA; Yellin AE; Bauer M; et al, JVIR 1991; **2:** 288

is arterial proximity a valid indication for arteriography in penetrating extremity trauma? a prospective analysis, (ab), Weaver FA; Yellin AE; Bauer M; et al, Radiology 1991; **179:** 295

my experience as a patient with subarachnoid hemorrhage, Hasso AN, AJNR 1990; **11:** 229

neuroradiologist goes to the operating room, Eskridge JM, AJNR 1991; **12:** 133

open-floored concave compensating filter for angiography, Johnston JM; Carrasco CH; Richli WR; Marsh LM, Radiology 1991; **178:** 578

outpatient angioplasty, Rogers WF; Kraft MA, Radiology 1990; **174:** 753

outpatient arteriography—a safe and practical proposition?, Dyet JF; Hartley WC; Galloway JMD; et al, Clin Radiol 1990; **42:** 114

relaxation response in femoral angiography, Mandle CL; Domar AD; Harrington DP; Leserman J; Bozadjian EM; Friedman R; Benson H, Radiology 1990; **174:** 737

standards for interventional radiology. practice guidelines in interventional radiology: introduction, Spies JB; Bakal CW; Burke DR; Husted JW; McLean G; Palestrant AM; Pentecost MJ; Schwarten DE; Spencer MC; Tate CP; van Breda A; Weyman PJ, JVIR 1991; **2:** 59

Von Hippel–Lindau disease: inadequacy of angiography for identification of renal cancers, Miller DL; Choyke PL; Walther MM; Doppman JL; Kragel PJ; Weiss GH; Linehan WM, Radiology 1991; **179:** 833

Angiography, comparative studies

comparison of left coronary and laevo-phase pulmonary angiograms in detecting left atrial thrombi in rheumatic mitral stenosis, Sharma S; Kumar MV; Reddy VM; et al, Clin Radiol 1991; **44:** 27

comparison of nonsubtracted digital angiography and conventional screen-film angiography for the evaluation of patients with peripheral vascular disease, Picus D; Hicks ME; Darcy MD; Kleinhoffer MA, JVIR 1991; **2:** 359

imaging of the digital arteries: digital subtraction angiography versus conventional arteriography, Menanteau BP; Treutenaere JM; Marcus C; et al, J Canad Assoc Radiol 1989; **40:** 34

magnetic resonance: RSNA '90 meeting notes, Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR, Radiology 1991; **178:** 907

neuroradiology: RSNA '90 meeting notes, Segall HD; Daniels DL; Fitz CR; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Maravilla KR; Quencer RM; Rosenbaum AE; Russell EJ; Sze GK; Tenner MS; Yuh WTC; Zimmerman RD, Radiology 1991; **178:** 902

peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM, Radiology 1991; **178:** 695

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; **171:** 801

translumbar arch aortography: a retrospective controlled study of usefulness, technique, and safety, Bakal CW; Friedland RJ; Sprayregen S; Calligaro KD; Cynamon J; Veith FJ, Radiology 1991; **178:** 225

Angiography, complications

blood clot formation in angiographic catheters: in vitro tests with various contrast media, Raininko R; Riihelä M, Acta Radiol 1990; **31:** 217

case report: cholesterol embolization following angiography, Henderson MJ; Manhire AR, Clin Radiol 1990; **42:** 281

differing mechanisms of clotting inhibition by ionic and nonionic contrast agents, Ing JJ; Smith DC; Bull BS, Radiology 1989; **172:** 345

hematoma formation after diagnostic angiography: effect of catheter size, Cragg AH; Nakagawa N; Smith TP; Berbaum KS, JVIR 1991; **2:** 231

iliopsoas abscess: an unusual complication of femoral artery catheterization, Loveday EJ; Tonge KA; du Peloux Menage HG, Br J Radiol 1990; **63:** 224

incompatibility of contrast agents with intravascular medications: work in progress, Irving HD; Burbridge BE, Radiology 1989; **173:** 91

medial brachial fascial compartment syndrome: anatomic basis of neuropathy after transaxillary arteriography, Smith DC; Mitchell DA; Peterson GW; Will AD; Mera SS; Smith LL, Radiology 1989; **173:** 149

migraine and the risks from angiography, (ab), Shuaib A; Hachinski VC, Radiology 1989; **171:** 295

non-ionic contrast media: thrombosis or haemorrhage?, Bernard C; Ody B; de Moerloose P, Eur J Radiol 1989; **9:** 131

postangiographic femoral artery injuries: nonsurgical repair with US-guided compression, Fellmeth BD; Roberts AC; Bookstein JJ; Freischlag JA; Forsythe JR; Buckner NK; Hye RJ, Radiology 1991; **178:** 671

postcatheterization femoral artery injuries: is there a role for nonsurgical treatment?, Dorfman GS; Cronan JJ, Radiology 1991; **178:** 629

rapid progression of peripheral vascular disease after diagnostic angiography, Fellmeth BD; Bookstein JJ; Lurie AL; Dillard JP, Radiology 1990; **175:** 71

selective cerebral intraarterial DSA: complication rate and control of risk factors, Grzyska U; Freitag H-J; Zeumer H, Neuroradiol 1990; **32:** 296

thromboembolic phenomena in clinical angiography: role of materials and technique, Dawson P; Strickland NH, JVIR 1991; **2:** 125

thrombogenicity of hydrophilically coated guide wires and catheters, Leach KR; Kurisu Y; Carlson JE; Repa I; Epstein DH; Urness M; Sahatjian R; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **175:** 675

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Giang DW; Kido DK, Radiology 1989; **172:** 195

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Minuk J; Melançon D; Tampieri D; Ethier R, Radiology 1990; **174:** 285

translumbar arch aortography: a retrospective controlled study of usefulness, technique, and safety, Bakal CW; Friedland RJ; Sprayregen S; Calligaro KD; Cynamon J; Veith FJ, Radiology 1991; **178:** 225

use of angiographic needles with or without stylets: pathologic assessment of vessel walls after puncture, Frood LR; Smith DC; Pappas JM; Elvin PK; Westengard JC; Saukel GW, JVIR 1991; **2:** 269

Angiography, contrast media

acute renal dysfunction in high-risk patients after angiography: comparison of ionic and nonionic contrast media, Gomes AS; Lois JF; Baker JD; McGlade CT; Bunnell DH; Hartzman S, Radiology 1989; **170:** 65

changes in atrial natriuretic peptide concentration at femoral arteriography in man, Sörensen L; Svanegård J; Poulsen J, Acta Radiol 1989; **30:** 665

comparison of iopromide versus iohexol in aortobifemoral arteriography: a Swedish multi-center study of 446 patients, Ohlsén H; Albrechtsson U; Billström A; et al, Acta Radiol 1991; **32:** 130

contrast agents, red cells, coagulation, and the angiographer, Dawson P, Invest Radiol 1990; **25:** S117

current use of low-osmolality contrast agents: results of a survey, Bettmann MA; Geller SC; McClennan B; et al, AJR 1989; **153:** 1079

demonstration of splenic and portal veins at routine celiac angiography: a clinical investigation of metrizoate and ioxaglate, Nilsson PE; Aspelin P, Acta Radiol 1989; **30:** 49

differing mechanisms of clotting inhibition by ionic and nonionic contrast agents, Ing JJ; Smith DC; Bull BS, Radiology 1989; **172:** 345

hemodynamic and electrocardiographic effects of ioversol during cardiac angiography: comparison with iopamidol and diatrizoate, Hirshfeld JW Jr; Wieland J; Davis CA; et al, Invest Radiol 1989; **24:** 138

heparin supplementation of nonionic contrast agents, Massee DR; Smith DC; Westengard JC; Bull BS, JVIR 1991; **2:** 209

ioversol: double-blind study of a new low osmolar contrast agent for peripheral and visceral arteriography, Grassi CJ; Bettmann MA; Finkelstein J; et al, Invest Radiol 1989; **24:** 133

non-ionic contrast media: a comparison of iodine delivery rates during manual injection angiography, Hughes PM; Bisset R, Br J Radiol 1991; **64:** 417

renal functional response to dopamine during and after arteriography in patients with chronic renal insufficiency, Hans B; Hans SS; Mittal VK; Khan TA; Patel N; Dahn MS, Radiology 1990; **176:** 651

thromboembolic phenomena in clinical angiography: role of materials and technique, Dawson P; Strickland NH, JVIR 1991; **2:** 125

thrombogenic potential of nonionic contrast media?, Fareed J; Walenga JM; Saravia GE; Moncada RM, Radiology 1990; **174:** 321

thrombogenic potential of nonionic contrast media?, Dawson P; Hartnell GG; Grollman JH Jr, Radiology 1990; **177:** 280

thrombogenic potential of nonionic contrast media?: reply, Fareed J; Walenga JM; Saravia GE; Moncada RM, Radiology 1990; **177:** 283

transfemoral digital subtraction aortography: are diluted high osmolar contrast media acceptable?, Naisby GP; Owen JP; Alexander TW; et al, Acta Radiol 1991; **32:** 137

Angiography, in infants and children

multiple collaterals to hepatic infantile hemangioendotheliomas and arteriovenous malformations: effect on embolization, Fellows KE; Hoffer FA; Markowitz RI; O'Neill JA Jr, Radiology 1991; **181:** 813

variations in the vascular supply to infantile hepatic hemangioendotheliomas, Burrows PE, Radiology 1991; **181:** 631

Angiography, postoperative

angioplasty sites: assessment with the dual-access technique, Frink NC; Paolella LP; Dorfman GS, Radiology 1990; **174:** 264

lower-extremity in situ saphenous vein grafts: angiographic interventions, Sniderman KW; Kalman PG; Shewchun J; Goldberg REA, Radiology 1989; **170:** 1023

transplant renal artery stenosis: evaluation with duplex sonography, Snider JF; Hunter DW; Moradian GP; Castaneda-Zuniga WR; Letourneau JG, Radiology 1989; **172:** 1027

Angiography, preoperative

insulinomas: localization with selective intraarterial injection of calcium, Doppman JL; Miller DL; Chang R; Shawker TH; Gorden P; Norton JA, Radiology 1991; **178:** 237

is preoperative angiography useful in patients with periampullary tumors?, (ab), Dooley WC; Cameron JL; Pitt HA; et al, Radiology 1991; **178:** 291

localization of parathyroid adenomas: superselective arterial DSA versus superselective conventional angiography, Miller DL; Chang R; Doppman JL; Norton JA, Radiology 1989; **170:** 1003

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Friedman D, Radiology 1991; **181:** 605

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Monsein LH, Radiology 1991; **181:** 605

mapping the distribution of amobarbital sodium in the intracarotid Wada test by use of Tc-99m HMPAO with SPECT, Jeffery PJ; Monsein LH; Szabo Z; Hart J; Fisher RS; Lesser RP; Debrun GM; Gordon B; Wagner HN Jr; Camargo EE, Radiology 1991; **178:** 847

osteosarcoma: angiographic assessment of response to preoperative chemotherapy, Carrasco CH; Charnsangavej C; Raymond AK; Richli WR; Wallace S; Chawla SP; Ayala AG; Murray JA; Benjamin RS, Radiology 1989; **170:** 839

role of angiography in limb-tumor surgery, Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM, Radiographics 1991; **11:** 1029

translumbar arch aortography: a retrospective controlled study of usefulness, technique, and safety, Bakal CW; Friedland RJ; Sprayregen S; Calligaro KD; Cynamon J; Veith FJ, Radiology 1991; **178:** 225

Angiography, radionuclide

acute gastrointestinal hemorrhage detected by selective scintigraphic angiography, St. George JK; Pollak JS, J Nucl Med 1991; **32:** 1601

blood-pool radionuclide angiography in patients with a Novacor left ventricular assist device, Athanasoulis T; Sekela ME; Noon GP; et al, J Nucl Med 1991; **32:** 255

breast uptake of technetium-99m MDP during radionuclide angiography, Aksut S; Gal R; Port S, Clin Nucl Med 1990; **15:** 517

comparison of magnetic resonance imaging with echocardiography and radionuclide angiography in assessing cardiac function and anatomy following Mustard's operation for transposition of the great arteries, (ab), Rees S; Somerville J; Warnes C; et al, Radiology 1989; **170:** 293

diagnosis of coronary artery disease by radionuclide angiography: effect of combining indices of left ventricular function, Pace L; Bacharach SL; Bonow RO; et al, J Nucl Med 1989; **30:** 1966

diagnostic values of gallbladder hyperperfusion and the rim sign in radionuclide angiography and hepatobiliary imaging, Aburano T; Yokoyama K; Taniguchi M; et al, Gastrointest Radiol 1990; **15:** 229

differentiation between suppressed thyroid tissue and thyroid hemiagenesis with Tc-99m pertechnetate radionuclide angiography, Prakash R; Narayanan RV; Chakravarty SK, Clin Nucl Med 1990; **15:** 605

follicular thyroid carcinoma masquerading as subacute thyroiditis: diagnosis using ultrasonography and radionuclide thyroid angiography, Prakash R; Jayaram G; Singh RP, Australas Radiol 1991; **35:** 174

functional assessment of the total artificial heart by blood-pool radionuclide angiography, Verani MS; Sanders WE Jr; Noon GP, J Nucl Med 1989; **30:** 1405

intravenous ^{99m}Tc HM-PAO radionuclide angiography as an adjunct to SPECT assessment of cerebral disease, Bartolini A; Gasparetto B; Ruffinengo U; et al, Comput Med Imag Graph 1990; **14:** 91

left ventricular response to exercise in regular runners and controls: a radionuclide evaluation, Ahmad M; Dubiel JP, Clin Nucl Med 1990; **15:** 630

left ventricular volume calculation using a count-based ratio method applied to multigated radionuclide angiography, Massardo T; Gal RA; Grenier RP; et al, J Nucl Med 1990; **31:** 450

lung scan and first-pass radionuclide angiography appearance in pulmonary stenosis, Roy M; Smilovitch M; Stern J, Clin Nucl Med 1989; **14:** 924

peripheral arteriovenous malformation: diagnosis and localization by intraarterial injection of technetium-99m-MAA, Lee MJ; Dowsett DJ; Ennis JT, J Nucl Med 1990; **31:** 1557

radionuclide angiography in suspected acute cholecystitis: further observations, Colletti PM; Cirimelli KM; Radin DR; et al, Clin Nucl Med 1989; **14:** 867

radionuclide angiography with technetium-99m in vivo labeled erythrocytes does not lead to induction of mutations in the HPRT gene of human T-lymphocytes, van Dam FJ; Camps JA; Woldring VM; et al, J Nucl Med 1991; **32:** 814

simultaneous technetium-99m MIBI angiography and myocardial perfusion imaging, Baillet GY; Mena IG; Kuperus JH; et al, J Nucl Med 1989; **30:** 38

Angiography, technology

angiographic technique to precede gamma knife radiosurgery for intracranial arteriovenous malformations, Sadler LR; Jungreis CA; Lunsford LD; et al, AJNR 1990; **11:** 1157

brachiocephalic vessels in the elderly: technique for catheterization, Mewissen MW; Zavitz WR; Lipchik EO, Radiology 1989; **170:** 887

compact contrast material bolus with a new 5-F angiographic catheter, Zemel G; Benenati JF; Becker GJ; Katzen BT; Sallee DS, JVIR 1991; **2:** 279

comparison of nonsubtracted digital angiography and conventional screen-film angiography for the evaluation of patients with peripheral vascular disease, Picus D; Hicks ME; Darcy MD; Kleinhoffer MA, JVIR 1991; **2:** 359

guide-wire reinforcement and lengthening with coaxial locking guide wires: the crimping technique, Pry R; Miles SG; Hawkins IF Jr; Akins EW; Rasmussen JF, Radiology 1990; **174:** 268

hepatic arterial catheterization with use of a supple catheter with a ball tip, Hori S; Matsushita M; Narumi Y; Fujita M; Tomoda K, Radiology 1989; **171:** 860

intraoperative arteriography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Pond GD; Seeley GW; Ovitt TW; Chernin MM; Yoshino MT; Roehrig H; McIntyre KE, Radiology 1989; **170:** 367

in vivo magnification angiography, Greenspan RH; Simon AL; Ricketts HJ; et al, Invest Radiol 1990; **25:** 352

loop catheter for superselective catheterization of the hepatic artery, Ohno K; Yamashita M; Kushima K; et al, AJR 1989; **153:** 296

lower-extremity arteriography: current approach and techniques, Darcy MD, Radiology 1991; **178:** 615

magnetic resonance: RSNA '90 meeting notes, Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR, Radiology 1991; **178:** 907

method to control spraying of high-velocity infected blood droplets during arterial catheterization, Cope C; Machan L, Radiology 1990; **174:** 1055

miniaturization of catheter systems for angiography, Hawkins IF Jr; Akins EW, Radiology 1989; **172:** 1015

modified transparent angiography catheter: preliminary in vivo and in vitro evaluations, Ahn HS; Anderson JH, AJNR 1989; **10:** 587

new guide wire for high-flow infusion, Barnhart W; Snidow JJ; Smith TP; Castaneda F; Nakagawa N; Cragg AH, Radiology 1990; **174:** 1058

new guidewire with kink-resistant core and low-friction coating, Kikuchi Y; Graves VB; Strother CM; et al, Cardiovasc Intervent Radiol 1989; **12:** 107

new high-flow "cloud" catheter for safer delivery of contrast material, Hansen EC; Hawkins MC; Hawkins IF Jr; Akins EW; Miles SG; Collela JP, Radiology 1989; **173:** 461

nonselective and semiselective catheters for renal artery evaluation: experimental study, Yedlicka JW Jr; Carlson JE; Hedlund LJ; Urness M; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; **2:** 273

open-floored concave compensating filter for angiography, Johnston JM; Carrasco CH; Richli WR; Marsh LM, Radiology 1991; **178:** 578

outpatient transfemoral angiography with a two-hour observation period, Millward SF; Marsh JI; Peterson RA, Cardiovasc Intervent Radiol 1989; **12:** 290

percutaneous femoral artery puncture: practice and anatomy, Grier D; Hartnell GG, Br J Radiol 1990; **63:** 602

radiation exposure to angiographers under different fluoroscopic imaging conditions, Boone JM; Levin DC, Radiology 1991; **180:** 861

selective spinal panangiography: use of a 4-F braided catheter with a soft-tip configuration, Volle E, Radiology 1991; **180:** 874

simple technique for shaping hydrophilically coated guide wires: usefulness in selective angiography, Stocker E, Radiology 1990; **177:** 881

slippery coaxial catheter system, Hosoki T; Hashimoto T; Masuike M; Marukawa T; Tokunaga K; Kuroda C; Kozuka T, Radiology 1989; **171:** 858

stepless needle-dilator for expedient percutaneous catheterization: technical note, Robinson JD; Eikens PH; Smith TP; et al, Cardiovasc Intervent Radiol 1990; **13:** 329

stereotactic angiography: an inadequate database for radiosurgery?, Bova FJ; Friedman WA, Int J Radiat Oncol Biol Phys 1991; **20:** 891

technical note: radiolucent operating room table extension to facilitate intraoperative angiography, Hecht ST; Kemp SS; Kerber CW, AJNR 1991; **12:** 130

techniques for lower-limb angiography: a comparative study, Smith TP; Cragg AH; Berbaum KS; Ryals TJ; Sato Y, Radiology 1990; **174:** 951

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

thrombogenicity of hydrophilically coated guide wires and catheters, Leach KR; Kurisu Y; Carlson JE; Repa I; Epstein DH; Urness M; Sahatjian R; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **175:** 675

ultralong, reverse-curve angiographic catheter, Fellmeth BD; Bookstein JJ; Lurie AL, Radiology 1989; **172:** 872

use of angiographic needles with or without stylets: pathologic assessment of vessel walls after puncture, Frood LR; Smith DC; Pappas JM; Elvin PK; Westengard JC; Saukel GW, JVIR 1991; **2:** 269

Angioma

case of the month: just another case of varicose veins?, Travis RC; Rowan DM; Miller J, Br J Radiol 1990; **63:** 581

case report: MRI of splenic hemangioma associated with thrombocytopenia, Harris RD; Simpson WA, Gastrointest Radiol 1989; **14:** 308

comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; **179:** 247

complex hemangiomas of infants and children: individualized management in 22 cases, (ab), Weber TR; Connors RH; Tracy TF Jr; et al, JVIR 1991; **2:** 289

CT and MRI in benign mediastinal haemangioma, Schurawitzki H; Stiglbauer R; Klepetko W; et al, Clin Radiol 1991; **43:** 91

CT and MR imaging of mediastinal hemangiomas, Seline TH; Gross BH; Francis IR, JCAT 1990; **14:** 766

cystic haemangioma of the spleen: findings on ultrasound and computed tomography, Duddy MJ; Calder CJ, Br J Radiol 1989; **62:** 180

detection of noncalcified splenic hemangioma by radionuclide bone scan, Cooper SG; Strauss EB; Levine AH, J Nucl Med 1989; **30:** 1111

diffuse neonatal hemangiomatosis: a case report, Poirier VC; Ablin DS; Frank EH, AJNR 1990; **11:** 1097

fluid-fluid level: a nonspecific finding in tumors of bone and soft tissue, Tsai JC; Dalinka MK; Fallon MD; Zlatkin MB; Kressel HY, Radiology 1990; **175:** 779

from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; **11:** 81

hemangioma of the nasal vault: MR and CT features, Dillon WP; Som PM; Rosenau W, Radiology 1991; **180:** 761

hemangioma of the umbilical cord: sonographic appearance, Pollack MS; Bound LM, J Ultrasound Med 1989; **8:** 163

hepatic tumors: quantitative tissue characterization with MR imaging, Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT, Radiology 1990; **176:** 107

lumbar cutaneous hemangiomas as indicators of tethered spinal cords, (ab), Albright AL; Gartner JC; Wiener ES, Radiology 1989; **173:** 888

magnetic resonance imaging of peripheral soft tissue hemangiomas, Nelson MC; Stull MA; Teitelbaum GP; et al, Skeletal Radiol 1990; **19:** 477

maxillary sinus hemangioma: MR and CT studies, Kulkarni MV; Bonner FM; Abdo GJ, JCAT 1989; **13:** 340

mortality in a cohort of radiation treated childhood skin hemangiomas, Fürst CJ; Silfverswärd C; Holm L-E, Acta Oncol 1989; **28:** 789

MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD, JMRI 1991; **1:** 469

MRI of disseminated neonatal hemangiomatosis: case report, Montgomery SP; Guillot AP; Barth RA, Pediatr Radiol 1990; **20:** 204

MRI of mediastinal cavernous hemangioma, Ishii K; Maeda K; Hashihira M; et al, Pediatr Radiol 1990; **20:** 556

osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; **177:** 77

paediatric haemangiomas: the role of radiotherapy, Dutton SC; Plowman PN, Br J Radiol 1991; **64:** 261

preoperative embolization of a hemangioblastoma, Horton JA; Eelkema E; Albright AL, AJNR 1989; **10:** 203

radiotherapy for large symptomatic hemangiomas, Schild SE; Buskirk SJ; Frick LM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 729

sonographic in utero diagnosis of Klippel-Trenaunay-Weber syndrome, Meholic AJ; Freimanis AK; Stucka J; et al, J Ultrasound Med 1991; **10:** 111

supratentorial and spinal cord hemangioblastomas: gadolinium enhanced MR appearance with pathologic correlation, Silbergeld J; Cohen WA; Maravilla KR; et al, JCAT 1989; **13:** 1048

symptomatic vascular malformations: ethanol embolotherapy, Yakes WF; Haas DK; Parker SH; Gibson MD; Hopper KD; Mulligan JS; Pevsner PH; Johns JC Jr; Carter TE, Radiology 1989; **170:** 1059

umbilical cord hemangioma: prenatal identification and review of the literature, Ghidini A; Romero R; Eisen RN; et al, J Ultrasound Med 1990; **9:** 297

vertebral hemangiomas: fat content as a sign of aggressiveness, Laredo J-D; Assouline E; Gelbert F; Wybier M; Merland J-J; Tubiana J-M, Radiology 1990; **177:** 467

Angioma, cardiovascular system

Klippel-Trenaunay-Weber syndrome with recurrent pulmonary embolism, Mikula N Jr; Gupta SM; Miller M; et al, Clin Nucl Med 1991; **16:** 253

pediatric case of the day, Braverman RM; Lipshultz SE; McCarten KM; Griscom NT, Radiographics 1991; **11:** 932

Angioma, central nervous system

cerebral venous angiomas: MR imaging at 1.5 Tesla, Wilms G; Marchal G; Van Hecke P; et al, Neuroradiol 1990; **32:** 81

cystic cavernous angioma in an infant: CT features, Nakasu S; Yoshida M; Nakajima M; et al, JCAT 1991; **15:** 163

diffuse calvarial hemangiomatosis associated with hereditary hemorrhagic telangiectasia, Abdullah DC; Hallisey MJ; Muraki AS; et al, AJNR 1989; **10:** S59

epidural cavernous hemangioma of the spine, Feider HK; Yuille DL, AJNR 1991; **12:** 243

extraaxial parasellar cavernous hemangioma, Kaard HP; Khangure MS; Waring P, AJNR 1990; **11:** 1259

functional brain imaging in cavernous hemangioma: demonstration of the anatomic lesion as the seizure focus, Timmons JH; Hartshorne MF; Brantley MJ, Clin Nucl Med 1990; **14:** 696

gadolinium-enhanced MR imaging of cerebral venous angiomas with emphasis on their drainage, Wilms G; Demaerel P; Marchal G; et al, JCAT 1991; **15:** 199

heterogeneity of cerebral cavernous hemangiomas diagnosed by MR imaging, Rapacki TFX; Brantley MJ; Furlow TW Jr; et al, JCAT 1990; **14:** 18

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

magnetic resonance imaging of cavernous sinus cavernous hemangiomas, Katayama Y; Tsubokawa T; Miyazaki S; et al, Neuroradiol 1991; **33:** 118

magnetic resonance imaging of intracranial venous angiomas, Uchino A; Imada H; Ohno M, Clin Imag 1990; **14:** 309

MR findings in extracerebral cavernous angiomas of the middle cranial fossa: report of two cases and review of the literature, Momoshima S; Shiga H; Yuasa Y; et al, AJNR 1991; **12:** 756

MR imaging of cavernous hemangioma of the optic chiasm, Tien RD; Dillon WP, JCAT 1989; **13:** 1087

occult cerebrovascular malformations: follow-up with MR imaging, Sigal R; Krief O; Houtteville JP; Halimi P; Doyon D; Pariente D, Radiology 1990; **176:** 815

posterior fossa hemangioblastomas: MR imaging, Lee SR; Sanches J; Mark AS; Dillon WP; Norman D; Newton TH, Radiology 1989; **171:** 463

radiotherapeutic considerations in the treatment of hemangioblastomas of the central nervous system, Smalley SR; Schomberg PJ; Earle JD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1165

scintigraphic demonstration of a soft tissue cavernous hemangioma with Valsalva maneuver, Veluvolu P; Daniels DL; Collier BD; et al, Clin Nucl Med 1990; **15:** 865

third ventricular hemangioblastoma: MR appearance, Black ML; Tien RD; Hesselink JR, AJNR 1991; **12:** 553

venous angioma treated by radiation, Hashimoto M; Yokota A; Kajiwara H; et al, Neuroradiol 1990; **31:** 537

Angioma, gastrointestinal tract

atypical appearance of an hepatic hemangioma with technetium-99m red blood cell scintigraphy, Larcos G; Farlow DC; Gruenewald SM; et al, J Nucl Med 1989; **30:** 1885

atypical scintigraphic pattern of liver hemangioma, Hardoff R; Gips S; Milman U; et al, Clin Nucl Med 1989; **14:** 376

case of rectal bleeding in infancy, Leighton DM; Benghanem T; Montagne JP; et al, Australas Radiol 1990; **34:** 89

cavernous hemangioma of the liver: assessment of MR tissue specificity with a simplified T2 index, Mirowitz SA; Lee JKT; Heiken JP, JCAT 1990; **14:** 223

clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT, Radiology 1990; **174:** 361

computed tomography of a rapidly growing hepatic hemangioma, Takayasu K; Makuuchi M; Takayama T, JCAT 1990; **14:** 143

computerized tomography appearances of pelvic haemangioma involving the large bowel in childhood, Yeoman LJ; Shaw D, Pediatr Radiol 1989; **19:** 414

cystic cavernous hemangioma of the liver, Hihara T; Araki T; Katou K; et al, Gastrointest Radiol 1990; **15:** 112

definitive diagnosis of hepatic hemangiomas: MR imaging versus Tc-99m-labeled red blood cell SPECT, Birnbaum BA; Weinreb JC; Megibow AJ; Sanger JJ; Lubat E; Kanamuller H; Noz ME; Bosniak MA, Radiology 1990; **176:** 95

diagnosis of hepatic cavernous hemangioma by fine needle aspiration biopsy under ultrasonic guidance, Nakaizumi A; Iishi H; Yamamoto R; et al, Gastrointest Radiol 1990; **15:** 39

diagnosis of the peripheral cavernous haemangioma: comparison of ultrasound, CT and RBC scintigraphy, Bradley MJ; Stewart I; Metreweli C, Clin Radiol 1991; **44:** 34

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

differentiation between small hepatic hemangiomas and metastases on MR images: importance of size-specific quantitative criteria, Itoh K; Saini S; Hahn PF; et al, AJR 1990; **155:** 61

differentiation of hepatic hemangiomas from metastases by dynamic contrast-enhanced MR imaging, Hamm B; Fischer E; Taupitz M, JCAT 1990; **14:** 205

differentiation of hepatic lesions with MR imaging: the last word?, Reinig JW, Radiology 1991; **179:** 601

diffuse cavernous hemangioma of the rectum: evaluation and MRI, Lupetin AR, Gastrointest Radiol 1990; **15:** 343

distinction between hemangioma of the liver and hepatocellular carcinoma: value of labeled RBC-SPECT scanning, Kudo M; Ikekubo K; Yamamoto K; et al, AJR 1989; **152:** 977

fine-needle aspiration biopsy of liver hemangioma, Taavitsainen M; Airaksinen T; Kreula J; et al, Acta Radiol 1990; **31:** 69

fine-needle biopsy of hepatic hydatids and haemangiomas: an overstated hazard, Langlois SLP, Australas Radiol 1989; **33:** 144

giant cavernous hemangioma of the liver: CT and MR imaging in 10 cases, Choi BI; Han MC; Park JH; et al, AJR 1989; **152:** 1221

hemangioma of the liver: characteristics exhibited on a 0.15 tesla scanner, Flak B; Ajzen S; Li DKB; et al, J Canad Assoc Radiol 1989; **40:** 135

hemangiomatosis of the liver and spleen: successful treatment with embolization and splenectomy, Tarazov PG; Polysalov VN; Ryzhkov VK, AJR 1990; **155:** 1235

hepatic hemangioma in the presence of fatty infiltration: an atypical sonographic appearance, Marsh JI; Gibney RG; Li DKB, Gastrointest Radiol 1989; **14:** 262

hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL, Radiology 1991; **181:** 469

hepatic hemangiomas vs metastases: MR differentiation at 1.5 T, Lombardo DM; Baker ME; Spritzer CE; et al, AJR 1990; **155:** 55

hollow right hepatic lobe: embolized hemangioma, Karimeddini MK; Klein BE, Clin Nucl Med 1991; **16:** 521

infantile hepatic hemangiomas: clinical features, radiologic investigations, and treatment of 20 patients, (ab), Stanley P; Geer GD; Miller JH; et al, Radiology 1990; **174:** 295

intrahepatic lesions demonstrated to be hemangiomas after a ten-year lapse, Antar MA; Mack JM; Spencer RP, Clin Nucl Med 1990; **14:** 708

lipiodol retention within hepatic cavernous hemangioma, Uflacker R; Mourão GS; Piske RL, Cardiovasc Intervent Radiol 1989; **12:** 76

MR differentiation of hepatocellular carcinoma from cavernous hemangioma: complementary roles of FLASH and T2 values, Ohtomo K; Itai Y; Yoshida H; et al, AJR 1989; **152:** 505

MRI of disseminated neonatal hemangiomatosis: case report, Montgomery SP; Guillot AP; Barth RA, Pediatr Radiol 1990; **20:** 204

pancreatic cavernous hemangioma: CT, MRI, US, and angiography characteristics, Kobayashi H; Itoh T; Murata R; et al, Gastrointest Radiol 1991; **16:** 307

perfusion characteristics of hepatic cavernous hemangioma using intravenous CT angiography (IVCTA), Gaa J; Saini S; Ferrucci JT, Eur J Radiol 1991; **12:** 228

peripheral enhancement in a hepatic hemangioma seen in a technetium-99m DTPA renal image, Cabahug CJ; Shreeve WW; Bateman JL, Clin Nucl Med 1989; **14:** 66

scintigraphic and ultrasound features of giant hemangiomas of the liver, Lisbona R; Derbekyan V; Novales-Diaz JA; et al, J Nucl Med 1989; **30:** 181

small hepatocellular carcinoma and cavernous hemangioma: differentiation with dynamic FLASH MR imaging with Gd-DTPA, Yoshida H; Itai Y; Ohtomo K; Kokubo T; Minami M; Yashiro N, Radiology 1989; **171:** 339

small hepatocellular carcinoma versus small cavernous hemangioma: differentiation with MR imaging at 2.0 T, Choi BI; Han MC; Kim C-W, Radiology 1990; **176:** 103

sonographic and Doppler features of infantile hepatic hemangiomas with pathologic correlation, Klein MA; Slovis TL; Chang C-H; et al, J Ultrasound Med 1990; **9:** 619

uncommon scintigraphic findings of multiple hepatic hemangiomas, El-Desouki M; Joharjy IA; Al-Muzrakchi AM; et al, Clin Nucl Med 1991; **16:** 178

utility of the SPECT Tc-99m labeled RBC blood pool scan in the detection of hepatic hemangiomas, Guze BH; Hawkins RA, Clin Nucl Med 1989; **14:** 817

Angioma, genitourinary system

general case of the day, Cáceres J; Mata JM; Lucaya J; Palmer J; Donoso L, Radiographics 1991; **11:** 161

hemangioma of the uterine cervix: sonographic and MR diagnosis, Hawes DR; Hemann LS; Cornell AE; et al, JCAT 1991; **15:** 152

penile hemangioma: US and MR imaging demonstration, Kim SH; Lee SE; Han MC, Urol Radiol 1991; **13:** 126

Angioma, lymphatic system

dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Mirowitz SA; Brown JJ; Lee JKT; Heiken JP, Radiology 1991; **179:** 681

splenic hemangioma, Disler DG; Chew FS, AJR 1991; **157:** 44

Angioma, muscular

giant hemangioma of the thigh: prenatal sonographic diagnosis, Suma V; Marini A; Gamba PG; et al, JCU 1990; **18:** 421

musculoskeletal haemangiomas: comparison of MRI with CT, Hawnaur JM; Whitehouse RW; Jenkins JPR; et al, Skeletal Radiol 1990; **19:** 251

radiologic appearance of intramuscular hemangioma with emphasis on MR imaging, Buetow PC; Kransdorf MJ; Moser RP Jr; et al, AJR 1990; **154:** 563

sonographic appearances of hemangiomas of skeletal muscle, Derchi LE; Balconi G; De Flaviis L; et al, J Ultrasound Med 1989; **8:** 263

unusual cause of a pain in the calf, Banerjee AK, Br J Radiol 1991; **64:** 751

Angioma, respiratory system

capillary haemangioma presenting as a lung pseudocyst, (ab), Bowyer JJ; Sheppard M, Radiology 1991; **181:** 296

pulmonary capillary hemangiomatosis: a report of three cases and a review of the literature, (ab), Faber CN; Yousem SA; Dauber JH; et al, Radiology 1990; **175:** 588

pulmonary sclerosing hemangioma: unusual cause of a solitary pulmonary nodule, Dawson WB; Müller NL; Miller RR, J Canad Assoc Radiol 1990; **41:** 372

Angioma, skeletal system

case report 521, De Smet AA; Inscore D; Neff JR, Skeletal Radiol 1989; **18:** 60

case report 593, Boker SM; Cullen GM; Swank M; et al, Skeletal Radiol 1990; **19:** 77

case report 681, Lenchik L; Poznanski AK; Donaldson JS; et al, Skeletal Radiol 1991; **20:** 387

hemangiomas of the skull on radionuclide brain imaging, Chandramouly BS; Scagnelli T; Sheth D, Clin Nucl Med 1989; **14:** 132

musculoskeletal haemangiomas: comparison of MRI with CT, Hawnaur JM; Whitehouse RW; Jenkins JPR; et al, Skeletal Radiol 1990; **19:** 251

osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; **177:** 77

Angiomatosis, bacillary

osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; **177:** 77

visceral bacillary epithelioid angiomatosis: possible manifestations of disseminated cat scratch disease in the immunocompromised host: a report of two cases, (ab), Kemper CA; Lombard CM; Deresinski SC; et al, Radiology 1991; **178:** 900

Angiomyolipoma

See Lipoma and lipomatosis

Angioplasty

See Arteries, transluminal angioplasty; Veins, transluminal angioplasty

Angiosarcoma

See Sarcoma

Angioscopy

angioscopy for intraoperative management of thromboembolectomy, (ab), Segalowitz J; Grundfest WS; Treiman RL; et al, JVIR 1991; **2:** 288

angioscopy for intraoperative management of thromboembolectomy, (ab), Segalowitz J; Grundfest WS; Treiman RL; et al, Radiology 1991; **179:** 886

angioscopy of the inferior vena cava: preliminary observations in cases with involvement by neoplasm: work in progress, Fujimoto K; Nakamura K; Takashima S; Murata K; Takada K; Minakuchi K; Onoyama Y, JVIR 1991; **2:** 371

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

comparative study of intraoperative angioscopy and completion arteriography following femorodistal bypass, (ab), Baxter BT; Rizzo RJ; Flinn WR; et al, JVIR 1991; **2:** 289

continued experience with intraoperative angioscopy for monitoring infrainguinal bypass grafting, (ab), Miller A; Stonebridge PA; Jepsen SJ; et al, JVIR 1991; **2:** 414

does the Kensey catheter keep a coaxial position inside the arterial lumen?: an in-vitro angioscopic study, Gehani AA; Davies A; Stoodley K; et al, Cardiovasc Intervent Radiol 1991; **14:** 222

percutaneous video angioscopy in peripheral vascular disease, Rees MR; Gehani AA; Ashley S; et al, Clin Radiol 1989; **40:** 347

Ankle, abnormalities

subtalar joint coalition in children: new observations, Lee MS; Harcke HT; Kumar SJ; Bassett GS, Radiology 1989; **172:** 635

Ankle, anatomy

dependence of ankle joint width on plantar flexion, Nielsen FF; de Carvalho A, Acta Radiol 1989; **30:** 554

ligaments of the lateral aspect of the ankle and sinus tarsi: an MR imaging study, Beltran J; Munchow AM; Khabiri H; Magee DG; McGhee RB; Grossman SB, Radiology 1990; **177:** 455

MR imaging of the ankle: normal variants, Noto AM; Cheung Y; Rosenberg ZS; Norman A; Leeds NE, Radiology 1989; **170:** 121

Ankle, arthrography

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99

demonstration of osteochondritis dissecans of the talus by coronal computed tomographic arthrography, Davies AM; Cassar-Pullicino VN, Br J Radiol 1989; **62:** 1050

injuries of the lateral ankle ligaments: classification with tenography and arthrography, Bleichrodt RP; Kingma LM; Binnendijk B; Klein J-P, Radiology 1989; **173:** 347

Ankle, CT
computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99
subtalar arthrorisis: evaluation with CT, Smith DK; Gilula LA; Totty WG, AJR 1990; **154:** 559
subtalar joint coalition in children: new observations, Lee MS; Harcke HT; Kumar SJ; Bassett GS, Radiology 1989; **172:** 635

Ankle, fractures
adult ankle fractures: comparison of plain films and interactive two- and three-dimensional CT scans, Magid D; Michelson JD; Ney DR; et al, AJR 1990; **154:** 1017
biplane fracture of Tillaux, Hoeffel JC; Lascombes P; Poncelet T; et al, Eur J Radiol 1989; **9:** 250
MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; **11:** 401
osteochondral fractures of the dome of the talus, (ab), Anderson IF; Chichton KJ; Grattan-Smith T; et al, Radiology 1990; **174:** 902

Ankle, injuries
ankle trauma, Daffner RH, Radiol Clin North Am 1990; **28:** 395
are three views necessary to examine acute ankle injuries?, Wallis MG, Clin Radiol 1989; **40:** 424
graded stress radiography in acute injury to the lateral ligaments of the ankle, Rijke AM; Vierhout PA, Acta Radiol 1990; **31:** 151
injuries of the lateral ankle ligaments: classification with tenography and arthrography, Bleichrodt RP; Kingma LM; Binnendijk B; Klein J-P, Radiology 1989; **173:** 347
MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; **11:** 401
posterior malleolar fractures of the ankle associated with external rotation with external rotation-abduction injuries: results with and without internal fixation, (ab), Harper MC; Hardin G, Radiology 1989; **171:** 590
technetium-99m hydroxymethylene diphosphonate scanning of acute injuries to the lateral ligaments of the ankle, Maurice HD; Watt I, Br J Radiol 1989; **62:** 31

Ankle, MR
ligaments of the lateral aspect of the ankle and sinus tarsi: an MR imaging study, Beltran J; Munchow AM; Khabiri H; Magee DG; McGhee RB; Grossman SB, Radiology 1990; **177:** 455
magnetic resonance imaging of the foot and ankle, Berquist TH, Semin US CT MR 1990; **11:** 327
MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; **11:** 401
MR imaging of the ankle: normal variants, Noto AM; Cheung Y; Rosenberg ZS; Norman A; Leeds NE, Radiology 1989; **170:** 121
MR imaging of the lateral collateral ligament of the ankle, Erickson SJ; Smith JW; Ruiz ME; et al, AJR 1991; **156:** 131
MR imaging of the normal ligaments and tendons of the ankle, Kier R; Dietz MJ; McCarthy SM; et al, JCAT 1991; **15:** 477
osteochondritis dissecans of the talus and knee: prospective comparison of MR and arthroscopic classifications, Nelson DW; DiPaola J; Colville M; et al, JCAT 1990; **14:** 804
value of MR imaging in staging osteochondral lesions of the talus (osteochondritis dissecans): results in 14 patients, De Smet AA; Fisher DR; Burnstein MI; et al, AJR 1990; **154:** 555

Ankle, radiography
imaging of the foot and ankle, Pavlov H, Radiol Clin North Am 1990; **28:** 991

Ankylosing spondylitis
See Spondylitis

Anorexia nervosa
body fat distribution measured with CT: correlations in healthy subjects, patients with anorexia nervosa, and patients with Cushing syndrome, Mayo-Smith W; Hayes CW; Biller BMK; Klibanski A; Rosenthal H; Rosenthal DI, Radiology 1989; **170:** 515
intravertebral fat measurement with quantitative CT in patients with Cushing disease and anorexia nervosa, Mayo-Smith W; Rosenthal DI; Goodsitt MM; Klibanski A, Radiology 1989; **170:** 835
osteoporosis in women with eating disorders: comparison of physical parameters, exercise, and menstrual status with SPA and DPA evaluation, Joyce JM; Warren DL; Humphries LL; et al, J Nucl Med 1990; **31:** 325

Anoxia
See Hypoxia

Antibiotics
antibiotics and nephrostomy tube care: preliminary observations. part I. bacteriuria, Cronan JJ; Marcello A; Horn DL; Robinson A; Dorfman GS; Opal S, Radiology 1989; **172:** 1041
antibiotics and nephrostomy tube care: preliminary observations. part II. bacteremia, Cronan JJ; Horn DL; Marcello A; Robinson A; Paolella LP; Lambiase RE; Haas RA; Opal S; Dorfman GS, Radiology 1989; **172:** 1043
cephalosporin-induced diffuse pulmonary inflammation depicted by Ga-67 scintigraphy, Krasnow AZ; McNamara M; Akhtar R; et al, Clin Nucl Med 1989; **14:** 379
interactions between antibiotics and antineoplastic drugs on antibacterial activity in vitro, Henriksson R; Holm S; Littbrand B, Acta Oncol 1990; **29:** 43
intravenous erythromycin dramatically accelerates gastric emptying in gastroparesis diabeticorum and normals and abolishes the emptying discrimination between solids and liquids, Urbain JLC; Vantrappen G; Janssens J; et al, J Nucl Med 1990; **31:** 1490
percutaneous nephrostomy tube placement: an outpatient procedure?, Cochran ST; Barbaric ZL; Lee JJ; Kashfian P, Radiology 1991; **179:** 843
pseudomembranous colitis: CT evaluation of 26 cases, Fishman EK; Kavuru M; Jones B; Kuhlman JE; Merine DS; Lillimoe KD; Siegelman SS, Radiology 1991; **180:** 57
pseudomembranous colitis: sonographic features, Downey DB; Wilson SR, Radiology 1991; **180:** 61
review of antibiotic prophylaxis for bacterial endocarditis in relation to radiological procedures, O'Connell PT; Partridge JB, Australas Radiol 1990; **34:** 75

Anticoagulants
low-dose aspirin versus anticoagulants for prevention of coronary graft occlusion, (ab), Weber MAJ; Hasford J; Taillens C; et al, Radiology 1991; **180:** 590
tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; **176:** 728

Anus
anorectal function: defecographic measurement in asymptomatic subjects, Goei R; van Engelshoven J; Schouten H; Baeten C; Stassen C, Radiology 1989; **173:** 137
normal anorectum: dynamic MR imaging anatomy, Kruyt RH; Delemarre JBVM; Doornbos J; Vogel HJ, Radiology 1991; **179:** 159

Anus, abnormalities
anorectal atresia presenting as an abdominopelvic mass, Miller SF; Angtuaco TL; Quirk JG; et al, J Ultrasound Med 1990; **9:** 669
anorectal function in patients with defecation disorders and asymptomatic subjects: evaluation with defecography, Goei R, Radiology 1990; **174:** 121
anorectal sphincter after rectal pull-through surgery for anorectal anomalies: MRI evaluation, Vade A; Reyes H; Wilbur A; et al, Pediatr Radiol 1989; **19:** 179
cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441
computed tomography of ano-rectal anomalies: correlation between radiologic findings and clinical evaluation of faecal incontinence, Arnbjörnsson E; Laurin S; Mikaelsson C, Acta Radiol 1989; **30:** 25
CT invertograms, Leighton DM; de Campo M, Pediatr Radiol 1989; **19:** 176
CT of anorectal malformation—a postoperative evaluation, Taccone A; Martucciello G; Fondelli P; et al, Pediatr Radiol 1989; **19:** 375
double anal canal: complication of rectal fecalith, Javors BR; Gould ES, Radiology 1991; **179:** 687
internal hemorrhoids: diagnosis with double-contrast barium enema examinations, Levine MS; Kam LW; Rubesin SE; Ekberg O, Radiology 1990; **177:** 141
intraluminal colonic calcifications associated with anorectal atresia: prenatal sonographic detection, Grant T; Newman M; Gould R; et al, J Ultrasound Med 1990; **9:** 411
pediatric case of the day: annual meeting, 1988, Fernbach SK; Poznanski AK, Radiographics 1989; **9:** 968

Anus, CT
anorectal actinomycosis: CT evaluation, Niethammer JG; Gould HR; Nelson HS Jr, JCAT 1990; **14:** 838
computed tomography of ano-rectal anomalies: correlation between radiologic findings and clinical evaluation of faecal incontinence, Arnbjörnsson E; Laurin S; Mikaelsson C, Acta Radiol 1989; **30:** 25
CT invertograms, Leighton DM; de Campo M, Pediatr Radiol 1989; **19:** 176
CT of anorectal malformation—a postoperative evaluation, Taccone A; Martucciello G; Fondelli P; et al, Pediatr Radiol 1989; **19:** 375
CT of malignant anal canal tumors, Scherrer A; Reboul F; Martin D; Dupuy JC; Menu Y, Radiographics 1990; **10:** 433
ileoanal pouches: comparison of CT, scintigraphy, and contrast enemas for diagnosing postsurgical complications, Thoeni RF; Fell SC; Engelstad B; et al, AJR 1990; **154:** 73

Anus, imperforate
cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441
cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; **177:** 326
computed tomography of ano-rectal anomalies: correlation between radiologic findings and clinical evaluation of faecal incontinence, Arnbjörnsson E; Laurin S; Mikaelsson C, Acta Radiol 1989; **30:** 25

Anus, MR
anorectal sphincter after rectal pull-through surgery for anorectal anomalies: MRI evaluation, Vade A; Reyes H; Wilbur A; et al, Pediatr Radiol 1989; **19:** 179
normal anorectum: dynamic MR imaging anatomy, Kruyt RH; Delemarre JBVM; Doornbos J; Vogel HJ, Radiology 1991; **179:** 159
postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

Anus, neoplasms
anal cancer, Cummings BJ, Int J Radiat Oncol Biol Phys 1990; **19:** 1309
cancer of the anal canal: report of the experience of 61 patients, Dubois JB; Garrigues JM; Pujol H, Int J Radiat Oncol Biol Phys 1991; **20:** 575
combined chemotherapy—radiotherapy of anal cancer, Zucali R; Doci R; Bombelli L, Int J Radiat Oncol Biol Phys 1990; **19:** 1221
conservative management of anal and rectal cancer: the role of radiation therapy, Gerard JP; Romestaing P; Montbarbon X, Acta Oncol 1989; **28:** 507
CT of malignant anal canal tumors, Scherrer A; Reboul F; Martin D; Dupuy JC; Menu Y, Radiographics 1990; **10:** 433
effectiveness of combined radio-chemotherapy in the management of epidermoid carcinoma of the anal canal, Papillon J, Int J Radiat Oncol Biol Phys 1990; **19:** 1217
epidermoid carcinoma of the anal canal treatment results and prognostic variables in a series of 242 cases, Schlienger M; Krzisch C; Pene F; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1141

invasive squamous cell carcinoma of the anus arising in condyloma acuminatum: CT demonstration, Goodman P; Halpert RD, Gastrointest Radiol 1991; **16:** 267

origin of the choanal polyp, (ab), Berg O; Carenfelt C; Silfverswärd C; et al, Radiology 1989; **172:** 589

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

prostatic acid phosphatase in cloacogenic carcinoma, Fernandez PL; Gómez M; Caballero T; et al, Acta Oncol 1990; **29:** 776

radiotherapy for anal cancer: experience from 1979–1987, Hughes LL; Rich TA; Delclos L; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1153

Anus, radionuclide studies

ileoanal pouches: comparison of CT, scintigraphy, and contrast enemas for diagnosing postsurgical complications, Thoeni RF; Fell SC; Engelstad B; et al, AJR 1990; **154:** 73

scintigraphic assessment of the anorectal angle in health and after ileal pouch-anal anastomosis, (ab), Barkel DC; Pemberton JH; Pezim ME; et al, Radiology 1989; **170:** 288

Anus, therapeutic radiology

anal cancer, Cummings BJ, Int J Radiat Oncol Biol Phys 1990; **19:** 1309

cancer of the anal canal: report of the experience of 61 patients, Dubois JB; Garrigues JM; Pujol H, Int J Radiat Oncol Biol Phys 1991; **20:** 575

combined chemotherapy—radiotherapy of anal cancer, Zucali R; Doci R; Bombelli L, Int J Radiat Oncol Biol Phys 1990; **19:** 1221

conservative management of anal and rectal cancer: the role of radiation therapy, Gerard JP; Romestaing P; Montbarbon X, Acta Oncol 1989; **28:** 507

CT of malignant anal canal tumors, Scherrer A; Reboul F; Martin D; Dupuy JC; Menu Y, Radiographics 1990; **10:** 433

effectiveness of combined radio-chemotherapy in the management of epidermoid carcinoma of the anal canal, Papillon J, Int J Radiat Oncol Biol Phys 1990; **19:** 1217

epidermoid carcinoma of the anal canal treatment results and prognostic variables in a series of 242 cases, Schlienger M; Krzisch C; Pene F; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1141

interstitial curietherapy in the conservative treatment of anal and rectal cancers, Papillon J; Montbarbon JF; Gerard JP; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1161

radiotherapy for anal cancer: experience from 1979–1987, Hughes LL; Rich TA; Delclos L; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1153

radiotherapy of epidermoid anal canal cancer, Dobrowsky W, Br J Radiol 1989; **62:** 53

Anus, US

anal endosonography: technique and normal anatomy, Law PJ; Bartram CI, Gastrointest Radiol 1989; **14:** 349

unsuspected sphincter damage following childbirth revealed by anal endosonography, Burnett SJD; Spence-Jones C; Speakman CTM; et al, Br J Radiol 1991; **64:** 225

Aorta

See also Aortic valve; Aortography

case report: hydatid cyst of the aorta, Hendaoui L; Siala M; Fourati A; et al, Clin Radiol 1991; **43:** 423

origin of the brachiocephalic trunk, left carotid, and left subclavian arteries from the arch of the human aorta, Zamir M; Sinclair P, Invest Radiol 1991; **26:** 128

Aorta, abnormalities

acquired diseases of aberrant subclavian arteries, Mulligan SA; Nath PH; Keller FS; et al, J Thorac Imag 1989; **4-2:** 76

anomaly of the descending aorta: a case of persistent double dorsal aorta, Formanek AG; Weisner KM; Lantz PE, AJR 1991; **156:** 1033

aortic displacement on computed tomography of idiopathic retroperitoneal fibrosis, Brooks AP; Reznek RH; Webb JAW, Clin Radiol 1989; **40:** 51

aortic diverticulum: a remnant of the partially involuted dorsal aortic root, Grollman JH, Cardiovasc Intervent Radiol 1989; **12:** 14

case report: magnetic resonance imaging of a right-sided cervical aortic arch with a congenital aneurysm, Holland P; Fitzpatrick JD, Clin Radiol 1991; **43:** 352

cervical aortic arch: a commentary, Felson B; Strife JL, Semin Roentgenol 1989; **24:** 114

congenital pulmonary steal associated with Tetralogy of Fallot, right aortic arch and an isolated left carotid artery, Tozzi R; Hernanz-Schulman M; Kiley R; et al, Pediatr Radiol 1989; **19:** 449

CT of congenital anomalies of the aortic arch, Predey TA; McDonald V; Demos TC; et al, Semin Roentgenol 1989; **24:** 96

Dopplersonographic diagnosis of subclavian steal in infants with coarctation of the aorta and interrupted aortic arch, Deeg KH; Singer H, Pediatr Radiol 1989; **19:** 163

duplication of the aortic ring: an artifact in echocardiography, Sauerbrei EE, J Ultrasound Med 1989; **8:** 477

left cervical arch and associated abnormalities, Kumar S; Mandalam KR; Unni M; et al, Cardiovasc Intervent Radiol 1989; **12:** 88

magnetic resonance imaging of vascular rings, Jaffe RB, Semin US CT MR 1990; **11:** 206

MR imaging of congenital anomalies of the thoracic aorta and pulmonary arteries, Gomes AS, Radiol Clin North Am 1989; **27:** 1171

natural history of the false channel of type A aortic dissection after surgical repair: CT study, Yamaguchi T; Guthaner DF; Wexler L, Radiology 1989; **170:** 743

prominent ascending aorta, Signer B, Semin Roentgenol 1989; **24:** 3

radiographic manifestations of congenital anomalies of the aortic arch, Jaffe RB, Radiol Clin North Am 1991; **29:** 319

retrotracheal triangle, Raider L; Landry BA; Brogdon BG, Radiographics 1990; **10:** 1055

right aortic arch revisited, Glew D; Hartnell GG, Clin Radiol 1991; **43:** 305

right-side aortic arch with aneurysm of aberrant left subclavian artery: MR imaging appearance, Benedikt RA; Jelinek JS; Schaefer PS; Edwards F; Ghaed V, JMRI 1991; **1:** 485

small aorta: CT detection and clinical significance, Shin MS; Berland LL; Ho K-J, JCAT 1990; **14:** 102

vascular rings: 10-year review of imaging, Lowe GM; Donaldson JS; Backer CL, Radiographics 1991; **11:** 637

Aorta, abscess

echocardiographic detection of aortic valve ring abscesses, Russo G; Tamburino C; Greco G; et al, J Ultrasound Med 1990; **9:** 319

gallium-SPECT in the detection of prosthetic valve endocarditis and aortic ring abscess, O'Brien K; Barnes D; Martin RH; et al, J Nucl Med 1991; **32:** 1791

Aorta, aneurysm

See Aneurysm, aortic

Aorta, angiography

See Aortography

Aorta, arteriosclerosis

aortic calcified plaques and cardiovascular disease (the Framingham Study), (ab), Witteman JCM; Kannel WB; Wolf PA; et al, Radiology 1991; **180:** 295

dependence of the XeCl laser cut rate of plaque on the degree of calcification, laser fluence, and optical pulse duration, (ab), Taylor RS; Higginson LAJ; Leopold KE, JVIR 1991; **2:** 302

effect of aortic sclerosis on bone mineral measurements by dual-photon absorptiometry, Frohn J; Wilken T; Falk S; et al, J Nucl Med 1991; **32:** 259

radiologic evaluation of penetrating aortic atherosclerotic ulcer, Welch TJ; Stanson AW; Sheedy PF II; Johnson CM; McKusick MA, Radiographics 1990; **10:** 675

recognition and embolic potential of intraaortic atherosclerotic debris, (ab), Karalis DG; Chandrasekaran K; Victor MF; et al, JVIR 1991; **2:** 409

Aorta, coarctation

See Aorta, stenosis or obstruction

Aorta, CT

accuracy of CT scanning in the diagnosis of abdominal and thoracoabdominal aortic aneurysms, (ab), Todd GJ; Nowygrod R; Benvensity A; et al, Radiology 1991; **180:** 591

acute aorto-iliac thrombosis in a young man shown on unenhanced computed tomography, Adler J; Robey G, Br J Radiol 1989; **62:** 627

aortic displacement on computed tomography of idiopathic retroperitoneal fibrosis, Brooks AP; Reznek RH; Webb JAW, Clin Radiol 1989; **40:** 51

aortobronchial fistula as a complication of surgery for correction of congenital aortic anomalies, Garniek A; Morag B; Schmahmann S; Rubinstein ZJ, Radiology 1990; **175:** 347

aortoenteric fistula and perigraft infection: evaluation with CT, Low RN; Wall SD; Jeffrey RB Jr; Sollitto RA; Reilly LM; Tierney LM Jr, Radiology 1990; **175:** 157

computed tomography in the diagnosis of traumatic rupture of the thoracic aorta, Brooks AP; Olson LK; Shackford SR, Clin Radiol 1989; **40:** 133

computed tomography of the normal aorta and thoracic aneurysms, Posniak HV; Demos TC; Marsan RE, Semin Roentgenol 1989; **24:** 7

conventional CT of the aorta, Godwin JD, J Thorac Imag 1990; **5-4:** 18

CT analysis of a safe approach for translumbar access to the aorta and inferior vena cava, Cazenave FL; Glass-Royal MC; Teitelbaum GP; et al, AJR 1991; **156:** 395

CT appearances of ruptured abdominal aortic aneurysms, Garb M, Australas Radiol 1989; **33:** 154

CT diagnosis of traumatic abdominal aortic rupture, Lupetin AR; Beckman I; Daffner RH, JCAT 1990; **14:** 313

CT of aortic dissection, Demos TC; Posniak HV; Marsan RE, Semin Roentgenol 1989; **24:** 22

CT of congenital anomalies of the aortic arch, Predey TA; McDonald V; Demos TC; et al, Semin Roentgenol 1989; **24:** 96

CT of thoracic aortic aneurysms, Posniak HV; Olson MC; Demos TC; Benjoya RA; Marsan RE, Radiographics 1990; **10:** 839

"hyperdense" aortic wall: potential pitfall in CT screening for aortic dissection, Landay MJ; Virolainen H, JCAT 1991; **15:** 561

impending rupture of nonaneurysmal bacterial aortitis: CT diagnosis, Mantello MT; Panaccione JL; Moriarty PE; et al, JCAT 1990; **14:** 950

infiltrated retrocrural space following thoracic aorta trauma: CT evaluation, Higgins WL, JCAT 1989; **13:** 949

intra-aortic counterpulsation balloon pumps: CT appearance, Soo MSC; Dash N; Lupetin AR; et al, Clin Imag 1990; **14:** 225

intravenous DSA and dynamic computed tomography for postoperative follow-up of type A aortic dissections, Hendrickx P; Rieder P; Prokop M; et al, Eur J Radiol 1989; **9:** 158

motion artifact simulating aortic dissection on CT, Burns MA; Molina PL; Gutierrez FR; et al, AJR 1991; **157:** 465

natural history of the false channel of type A aortic dissection after surgical repair: CT study, Yamaguchi T; Guthaner DF; Wexler L, Radiology 1989; **170:** 743

penetrating injury of the torso with impalement of the thoracic aorta: preoperative value of the computed tomographic scan, (ab), Fradet G; Nelems B; Müller NL, Radiology 1989; **170:** 900

radiologic evaluation of aortic dissection, Petasnick JP, Radiology 1991; **180:** 297

radiologic evaluation of penetrating aortic atherosclerotic ulcer, Welch TJ; Stanson AW; Sheedy PF II; Johnson CM; McKusick MA, Radiographics 1990; **10:** 675

role of CT in traumatic rupture of the thoracic aorta and its proximal branches, Ishikawa T; Nakajima Y; Kaji T, Semin Roentgenol 1989; **24:** 38

small aorta: CT detection and clinical significance, Shin MS; Berland LL; Ho K-J, JCAT 1990; **14:** 102

thoracic aortic trauma: role of dynamic CT, Madayag MA; Kirshenbaum KJ; Nadimpalli SR; Fantus RJ; Cavallino RP; Crystal GJ, Radiology 1991; **179:** 853

ultrafast computed tomography in the diagnosis of aortic aneurysms and dissections, Stanford W; Rooholamini SA; Galvin JR, J Thorac Imag 1990; **5-4:** 32

value of computed tomography in the management of symptomatic abdominal aortic aneurysms, (ab), Kvilekval KHV; Best IM; Mason RA; et al, Radiology 1991; **178:** 294

vascular rings: 10-year review of imaging, Lowe GM; Donaldson JS; Backer CL, Radiographics 1991; **11:** 637

Aorta, diseases

midaortic syndrome: diagnosis and treatment, Berkmen YM; Lande A, Radiology 1989; **170:** 571

midaortic syndrome diagnosis and treatment: reply, Meranze SG; O'Neill JA Jr, Radiology 1989; **170:** 572

penetrating aortic ulcers: diagnosis with MR imaging, Yucel EK; Steinberg FL; Egglin TK; Geller SC; Waltman AC; Athanasoulis CA, Radiology 1990; **177:** 779

radiologic evaluation of penetrating aortic atherosclerotic ulcer, Welch TJ; Stanson AW; Sheedy PF II; Johnson CM; McKusick MA, Radiographics 1990; **10:** 675

Aorta, dissection

abdominal aortic dissection with retrograde extension into the thoracic aorta: case report, Azodo MVU; Gutierrez OH; DeWeese JA, Cardiovasc Intervent Radiol 1989; **12:** 317

acute traumatic dissection of the common iliac arteries with spontaneous healing: case report, Herskowitz MM; Sclafani SJA, Cardiovasc Intervent Radiol 1990; **13:** 364

aortic dissection and dissecting aortic aneurysms, (ab), Crawford ES; Svensson LG; Coselli JS; et al, Radiology 1989; **172:** 293

aortic dissection: atypical patterns seen at MR imaging, Wolff KA; Herold CJ; Tempany CM; Parravano JG; Zerhouni EA, Radiology 1991; **181:** 489

aortic dissection presenting as acute leg ischaemia, Raby N; Giles J; Walters H, Clin Radiol 1990; **42:** 116

aortic dissection presenting as spinal cord ischemia with a false-negative aortogram, Strouse PJ; Shea MJ; Guy GE; et al, Cardiovasc Intervent Radiol 1990; **13:** 77

aortic dissection with the entrance tear in the descending thoracic aorta: analysis of 40 necropsy patients, (ab), Roberts CS; Roberts WC, JVIR 1991; **2:** 415

aortic dissection with the entrance tear in the descending thoracic aorta: analysis of 40 necropsy patients, (ab), Roberts CS; Roberts WC, Radiology 1991; **181:** 613

balloon-expandable intravascular stent for obliterating experimental aortic dissection, (ab), Trent MS; Parsonnet V; Shoenfield R; et al, Radiology 1990; **177:** 597

"Carpentier" thoracic aortic by-pass technique for management of descending aortic aneurysms and dissections—a radiological perspective, Morgan PW; Cameron DC; Carter M, Australas Radiol 1990; **34:** 106

cine-MR in dissection of the thoracic aorta, Fruehwald FXJ; Neuhold A; Fezoulidis J; et al, Eur J Radiol 1989; **9:** 37

CT of aortic dissection, Demos TC; Posniak HV; Marsan RE, Semin Roentgenol 1989; **24:** 22

CT of thoracic aortic aneurysms, Posniak HV; Olson MC; Demos TC; Benjoya RA; Marsan RE, Radiographics 1990; **10:** 839

diagnosis and management of aortic dissection, (ab), Crawford ES, JVIR 1991; **2:** 291

diagnosis of abdominal aortic dissection by image-directed Doppler sonography, Givanani VL; Krebs CA; Nall LA; et al, JCU 1989; **17:** 445

dissection of the aorta associated with congenital malformation of the aortic valve, (ab), Roberts CS; Roberts WC, JVIR 1991; **2:** 416

duplex ultrasound of the abdominal aorta—a neglected tool in aortic dissection, Thomas EA; Dubbins PA, Clin Radiol 1990; **42:** 330

fat-shift artifact simulating aortic dissection on MR images, Lotan CS; Cranney GB; Doyle M; et al, AJR 1989; **152:** 385

"hyperdense" aortic wall: potential pitfall in CT screening for aortic dissection, Landay MJ; Virolainen H, JCAT 1991; **15:** 561

intravenous DSA and dynamic computed tomography for postoperative follow-up of type A aortic dissections, Hendrickx P; Rieder P; Prokop M; et al, Eur J Radiol 1989; **9:** 158

magnetic resonance imaging of isolated abdominal aortic dissection, Gendal ES; Mendelson DS; Janus CL; et al, Clin Imag 1989; **13:** 217

MR measurement of blood flow in the true and false channel in chronic aortic dissection, Chang J-M; Friese K; Caputo GR; et al, JCAT 1991; **15:** 418

natural history of the false channel of type A aortic dissection after surgical repair: CT study, Yamaguchi T; Guthaner DF; Wexler L, Radiology 1989; **170:** 743

penetrating aortic ulcers: diagnosis with MR imaging, Yucel EK; Steinberg FL; Egglin TK; Geller SC; Waltman AC; Athanasoulis CA, Radiology 1990; **177:** 779

penetrating atherosclerotic aortic ulcer with dissecting hematoma: control of bleeding with percutaneous embolization, Williams DM; Kirsh MM; Abrams GD, Radiology 1991; **181:** 85

postsurgical follow-up of aortic dissections by MRI, Di Cesare E; Di Renzi P; Pavone P; et al, Eur J Radiol 1991; **13:** 27

potential of radio-frequency balloon angioplasty: weld strengths, dose-response relationship, and correlative histology, Becker GJ; Lee BI; Waller BF; Barry KJ; Kaplan J; Connolly R; Dreesen RG; Nardella P, Radiology 1990; **174:** 1003

primary aortoesophageal fistula after chronic aortic dissection, Rose BS; Gordon DM; Geihsler JD, AJR 1990; **155:** 989

radiologic evaluation of aortic dissection, Petasnick JP, Radiology 1991; **180:** 297

radionuclide imaging in diagnosis of aortic dissection, Côté C, J Nucl Med 1989; **30:** 1727

relief of mesenteric ischemia in type III aortic dissection with percutaneous fenestration of the aortic septum, Williams DM; Brothers TE; Messina LM, Radiology 1990; **174:** 450

renal artery stenosis in patients with aortic dissection: increased prevalence, Rackson ME; Lossef SV; Sos TA, Radiology 1990; **177:** 555

residual dissection of the thoracic aorta after repair: MRI-angiographic correlation, Mendelson DS; Apter S; Mitty HA; et al, Comput Med Imag Graph 1991; **15:** 31

spontaneous dynamic echoes in aortic dissection, Chow W-H; Tai Y-T; Cheung K-L; et al, JCU 1990; **18:** 442

spontaneous resolution of a descending aortic dissection: report of a case, Thorvinger B; Albrechtsson U, Acta Radiol 1989; **30:** 305

thoracic aortic aneurysms after acute type A aortic dissection: necessity for follow-up, (ab), Heinemann M; Laas J; Karck M; et al, Radiology 1990; **177:** 893

thoracic aortic dissection: pitfalls and artifacts in MR imaging, Solomon SL; Brown JJ; Glazer HS; Mirowitz SA; Lee JKT, Radiology 1990; **177:** 223

two-dimensional echocardiography and Doppler color flow abnormalities in aortic root dissection, (ab), Chia BL; Yan PC; Ee BK; et al, Radiology 1989; **171:** 588

ultrafast computed tomography in the diagnosis of aortic aneurysms and dissections, Stanford W; Rooholamini SA; Galvin JR, J Thorac Imag 1990; **5-4:** 32

unusual collateral venous blood flow following surgical repair of a thoracic aortic dissection, Swayne LC; Ginsberg HN; Parr GVS, Clin Nucl Med 1991; **16:** 283

use of ACE inhibitors in patients with renal artery stenosis, Stansby G; Scoble J; Hilson A; Hamilton G, Radiology 1991; **180:** 290

use of ACE inhibitors in patients with renal artery stenosis: reply, Rackson ME; Lossef SV; Sos TA, Radiology 1991; **180:** 291

Aorta, flow dynamics

assessment of a potentially noninvasive method for monitoring aortic blood flow in children, Lavandier B; Muchada R; Chignier E; et al, Ultrasound Med Biol 1991; **17:** 107

color-flow US imaging through the analysis of speckle motion, Gardiner WM; Fox MD, Radiology 1989; **172:** 866

estimation of aortic and pulmonary blood flow in a paediatric population using Doppler ultrasound: an *in-vitro* study, Soul FJ; Hames TK; Thomas VL; et al, Ultrasound Med Biol 1990; **16:** 659

human abdominal aorta: comparative measurements of blood flow with MR imaging and multigated Doppler US, Maier SE; Meier D; Boesiger P; Moser UT; Vieli A, Radiology 1989; **171:** 487

MR measurement of blood flow in the true and false channel in chronic aortic dissection, Chang J-M; Friese K; Caputo GR; et al, JCAT 1991; **15:** 418

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

valve and great vessel stenosis: assessment with MR jet velocity mapping, Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB, Radiology 1991; **178:** 229

Aorta, grafts and prostheses

aorta balloon angioplasty: 9-year follow-up, Tadavarthy AK; Sullivan WA Jr; Nicoloff D; Castaneda-Zuniga WR; Hunter DW; Amplatz K, Radiology 1989; **170:** 1039

aortic bifurcation stenosis: treatment with intravascular stents, Palmaz JC; Encarnacion CE; Garcia OJ; Schatz RA; Rivera FJ; Laborde JC; Dougherty SP, JVIR 1991; **2:** 319

aortobronchial fistula as a complication of surgery for correction of congenital aortic anomalies, Garniek A; Morag B; Schmahmann S; Rubinstein ZJ, Radiology 1990; **175:** 347

aortoenteric fistula and perigraft infection: evaluation with CT, Low RN; Wall SD; Jeffrey RB Jr; Sollitto RA; Reilly LM; Tierney LM Jr, Radiology 1990; **175:** 157

diagnosis of prosthetic aortic graft infection by magnetic resonance imaging, (ab), Olofsson PA; Auffermann W; Higgins CB; et al, Radiology 1989; **171:** 292

flexible sutureless intraluminal graft that becomes rigid after placement in the aorta, (ab), Matsumae M; Oz MC; Lemole GM, JVIR 1991; **2:** 292

flexible tantalum stents implanted in aortas and iliac arteries: effects in normal canines, Barth KH; Virmani R; Strecker EP; Savin MA; Lindisch D; Matsumoto AH; Teitelbaum GP, Radiology 1990; **175:** 91

incorporation versus infection of retroperitoneal aortic grafts: MR imaging features, Auffermann W; Olofsson PA; Rabahie GN; Tavares NJ; Stoney RJ; Higgins CB, Radiology 1989; **172:** 359

long-term results of aortoiliac reconstruction, Brothers TE; Greenfield LJ, JVIR 1990; **1:** 49

midaortic syndrome: diagnosis and treatment, Berkmen YM; Lande A, Radiology 1989; **170:** 571

midaortic syndrome diagnosis and treatment: reply, Meranze SG; O'Neill JA Jr, Radiology 1989; **170:** 572

MR imaging of pseudoaneurysms in aortocoronary bypass graft, Sherry CS; Harms SE, JCAT 1989; **13:** 426

natural history of the false channel of type A aortic dissection after surgical repair: CT study, Yamaguchi T; Guthaner DF; Wexler L, Radiology 1989; **170:** 743

percutaneous management of abscesses that involve native arteries or synthetic arterial grafts, Lambiase RE; Dorfman GS; Cronan JJ, Radiology 1989; **173:** 815

self-expanding endovascular stent in experimental atherosclerosis: work in progress, Rousseau HP; Joffre FG; Raillat CR; Julian M; Pierragi MT; Chalabi F; Bouissou H, Radiology 1989; **170:** 773

short-duration, high-dose urokinase infusion for recanalization of occluded saphenous aortocoronary bypass grafts, Marx M; Armstrong WP; Wack JP; et al, AJR 1989; **153:** 167

successful treatment of infected thoracoabdominal aortic graft by percutaneous catheter drainage, (ab), Matley PJ; Beningfield SJ; Lourens S; et al, Radiology 1991; **181:** 294

Aorta, inflammation

See Aortitis

Aorta, injuries

computed tomography in the diagnosis of traumatic rupture of the thoracic aorta, Brooks AP; Olson LK; Shackford SR, Clin Radiol 1989; **40:** 133

delayed rupture following subintimal contrast injection: case report, Franczyk J; Gray RR; Rooney MS, Cardiovasc Intervent Radiol 1990; **13:** 75

diagnosis of traumatic thoracic aortic rupture: a 10-year retrospective analysis, (ab), Kram HB; Appel PL; Wohlmuth DA; et al, Radiology 1989; **173:** 292

infiltrated retrocrural space following thoracic aorta trauma: CT evaluation, Higgins WL, JCAT 1989; **13:** 949

penetrating injury of the torso with impalement of the thoracic aorta: preoperative value of the computed tomographic scan, (ab), Fradet G; Nelems B; Müller NL, Radiology 1989; **170:** 900

thoracic aortic trauma: role of dynamic CT, Madayag MA; Kirshenbaum KJ; Nadimpalli SR; Fantus RJ; Cavallino RP; Crystal GJ, Radiology 1991; **179:** 853

use of coronary arteriography in the preoperative management of patients undergoing urgent repair of the thoracic aorta, (ab), Kern MJ; Serota H; Callicoat P; et al, Radiology 1990; **176:** 883

Aorta, interventional procedure

See Aorta, transluminal angioplasty

Aorta, MR

abdominal aorta and renal artery stenosis: evaluation with MR angiography, Kim D; Edelman RR; Kent KC; Porter DH; Skillman JJ, Radiology 1990; **174:** 727

aortic dissection: atypical patterns seen at MR imaging, Wolff KA; Herold CJ; Tempany CM; Parravano JG; Zerhouni EA, Radiology 1991; **181:** 489

case report: magnetic resonance imaging of a right-sided cervical aortic arch with a congenital aneurysm, Holland P; Fitzpatrick JD, Clin Radiol 1991; **43:** 352

cine-MR in dissection of the thoracic aorta, Fruehwald FXJ; Neuhold A; Fezoulidis J; et al, Eur J Radiol 1989; **9:** 37

coarctation of the aorta: MR imaging in late postoperative assessment, Rees S; Somerville J; Ward C; Martinez J; Mohiaddin RH; Underwood R; Longmore DB, Radiology 1989; **173:** 499

detection of aortic arch thrombus using MR imaging, Seelos KC; Funari M; Higgins CB, JCAT 1991; **15:** 244

diagnosis of prosthetic aortic graft infection by magnetic resonance imaging, (ab), Olofsson PA; Auffermann W; Higgins CB; et al, Radiology 1989; **171:** 292

fat-shift artifact simulating aortic dissection on MR images, Lotan CS; Cranney GB; Doyle M; et al, AJR 1989; **152:** 385

human abdominal aorta: comparative measurements of blood flow with MR imaging and multigated Doppler US, Maier SE; Meier D; Boesiger P; Moser UT; Vieli A, Radiology 1989; **171:** 487

incorporation versus infection of retroperitoneal aortic grafts: MR imaging features, Auffermann W; Olofsson PA; Rabahie GN; Tavares NJ; Stoney RJ; Higgins CB, Radiology 1989; **172:** 359

magnetic resonance imaging and angiography for the assessment of coarctation of the aorta, Nyman R; Hallberg M; Sunnegårdh J; et al, Acta Radiol 1989; **30:** 481

magnetic resonance imaging of isolated abdominal aortic dissection, Gendal ES; Mendelson DS; Janus CL; et al, Clin Imag 1989; **13:** 217

magnetic resonance imaging of lipid deposits in human atheroma via a stimulated-echo diffusion-weighted technique, Altbach MI; Mattingly MA; Brown MF; et al, Magn Res Med 1991; **20:** 319

magnetic resonance imaging of the aorta in children, Burrows PE, Semin US CT MR 1990; **11:** 221

magnetic resonance imaging of vascular rings, Jaffe RB, Semin US CT MR 1990; **11:** 206

MR imaging of age-related dimensional changes of thoracic aorta, Mohiaddin RH; Schoser K; Amanuma M; et al, JCAT 1990; **14:** 748

MR imaging of congenital anomalies of the thoracic aorta and pulmonary arteries, Gomes AS, Radiol Clin North Am 1989; **27:** 1171

MR imaging of pseudoaneurysms in aortocoronary bypass graft, Sherry CS; Harms SE, JCAT 1989; **13:** 426

MR measurement of blood flow in the true and false channel in chronic aortic dissection, Chang J-M; Friese K; Caputo GR; et al, JCAT 1991; **15:** 418

penetrating aortic ulcers: diagnosis with MR imaging, Yucel EK; Steinberg FL; Egglin TK; Geller SC; Waltman AC; Athanasoulis CA, Radiology 1990; **177:** 779

postsurgical follow-up of aortic dissections by MRI, Di Cesare E; Di Renzi P; Pavone P; et al, Eur J Radiol 1991; **13:** 27

"pseudocoarctation" of the aorta: pitfall on cine MR imaging, Mirowitz SA; Lee JKT; Gutierrez FR; et al, JCAT 1990; **14:** 753

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551

quantitation of abdominal aortic wall dynamics in man by gradient echo NMR imaging, Lanzer P; McKibbin W; Bohning D; et al, Magn Res Med 1990; **13:** 407

radiologic evaluation of aortic dissection, Petasnick JP, Radiology 1991; **180:** 297

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

residual dissection of the thoracic aorta after repair: MRI-angiographic correlation, Mendelson DS; Apter S; Mitty HA; et al, Comput Med Imag Graph 1991; **15:** 31

thoracic aortic dissection: pitfalls and artifacts in MR imaging, Solomon SL; Brown JJ; Glazer HS; Mirowitz SA; Lee JKT, Radiology 1990; **177:** 223

valve and great vessel stenosis: assessment with MR jet velocity mapping, Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB, Radiology 1991; **178:** 229

vascular rings: 10-year review of imaging, Lowe GM; Donaldson JS; Backer CL, Radiographics 1991; **11:** 637

velocity profiles in the normal human abdominal aorta: a comparison between ultrasound and magnetic resonance data, Vieli A; Moser U; Maier S; et al, Ultrasound Med Biol 1989; **15:** 113

Aorta, neoplasms

aortic tumours: report of a case and review of the literature, Schipper J; van Oostayen JA; den Hollander JC; et al, Br J Radiol 1989; **62:** 35

Aorta, occlusion

See Aorta, stenosis or obstruction

Aorta, prostheses

See Aorta, grafts and prostheses

Aorta, radiography

plain radiographic evaluation of the aorta, Chen JTT, J Thorac Imag 1990; **5-4:** 1

Aorta, radionuclide studies

gallium-SPECT in the detection of prosthetic valve endocarditis and aortic ring abscess, O'Brien K; Barnes D; Martin RH; et al, J Nucl Med 1991; **32:** 1791

radionuclide imaging in diagnosis of aortic dissection, Côté C, J Nucl Med 1989; **30:** 1727

Aorta, regurgitation

assessment of supra-valvular abnormal signal with color Doppler flow mapping in patients with aortic regurgitation, (ab), Okamoto M; Morichika N; Nakagawa H; et al, Radiology 1990; **176:** 883

comparison of cine MR imaging with Doppler echocardiography for the evaluation of aortic regurgitation, Pflugfelder PW; Landzberg JS; Cassidy MM; et al, AJR 1989; **152:** 729

Aorta, rupture

computed tomography in the diagnosis of traumatic rupture of the thoracic aorta, Brooks AP; Olson LK; Shackford SR, Clin Radiol 1989; **40:** 133

CT diagnosis of traumatic abdominal aortic rupture, Lupetin AR; Beckman I; Daffner RH, JCAT 1990; **14:** 313

diagnosis of traumatic thoracic aortic rupture: a 10-year retrospective analysis, (ab), Kram HB; Appel PL; Wohlmuth DA; et al, Radiology 1989; **173:** 292

does sternal fracture increase the risk for aortic rupture?, (ab), Sturm JT; Luxenberg MG; Moudry BM; et al, Radiology 1990; **176:** 294

impending rupture of nonaneurysmal bacterial aortitis: CT diagnosis, Mantello MT; Panaccione JL; Moriarty PE; et al, JCAT 1990; **14:** 950

proposed new mechanism of traumatic aortic rupture: the osseous pinch, Crass JR; Cohen AM; Motta AO; Tomashefski JF Jr; Wiesen EJ, Radiology 1990; **176:** 645

role of CT in traumatic rupture of the thoracic aorta and its proximal branches, Ishikawa T; Nakajima Y; Kaji T, Semin Roentgenol 1989; **24:** 38

rupture of a non-aneurysmal salmonella infected aorta, Cook AM; Christopoulos D, Clin Radiol 1989; **40:** 605

rupture of thoracic aorta caused by blunt trauma: a 15-year experience, (ab), Cowley RA; Turney SZ; Hankins JR; et al, JVIR 1991; **2:** 292

transcatheter embolization of a ruptured abdominal aortic stump, Terasaki KK; Allgood M; Finck EJ; et al, AJR 1990; **154:** 181

traumatic aortic rupture in the pediatric population: role of plain film, CT and angiography in the diagnosis, Spouge AR; Burrows PE; Armstrong D; et al, Pediatr Radiol 1991; **21:** 324

traumatic rupture of the aorta: critical decisions for trauma surgeons, (ab), Townsend RN; Colella JJ; Diamond DL, JVIR 1991; **2:** 291

Aorta, stenosis or obstruction

abdominal aorta and renal artery stenosis: evaluation with MR angiography, Kim D; Edelman RR; Kent KC; Porter DH; Skillman JJ, Radiology 1990; **174:** 727

aneurysm formation after repair of coarctation of the aorta, Cheng TO, Radiology 1991; **181:** 905

aorta balloon angioplasty: 9-year follow-up, Tadavarthy AK; Sullivan WA Jr; Nicoloff D; Castaneda-Zuniga WR; Hunter DW; Amplatz K, Radiology 1989; **170:** 1039

aortic bifurcation stenosis: treatment with intravascular stents, Palmaz JC; Encarnacion CE; Garcia OJ; Schatz RA; Rivera FJ; Laborde JC; Dougherty SP, JVIR 1991; **2:** 319

axillary artery counter-current aortography in the newborn with aortic arch obstruction, Lau KC; Lo RNS; Leung MP, Pediatr Radiol 1989; **19:** 516

balloon angioplasty for aortic recoarctation: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Hellenbrand WE; Allen HD; Golinko RJ; et al, Radiology 1990; **177:** 296

balloon angioplasty for the treatment of native coarctation: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Tynan M; Finley JP; Fontes V; et al, Radiology 1990; **177:** 296

cine MR imaging in aortic stenosis, de Roos A; Reichek N; Axel L; et al, JCAT 1989; **13:** 421

coarctation of the aorta: MR imaging in late postoperative assessment, Rees S; Somerville J; Ward C; Martinez J; Mohiaddin RH; Underwood R; Longmore DB, Radiology 1989; **173:** 499

computer evaluation of Doppler spectral envelope area in patients having a valvular aortic stenosis, Cloutier G; Lemire F; Durand L-G; et al, Ultrasound Med Biol 1990; **16:** 247

Dopplersonographic diagnosis of subclavian steal in infants with coarctation of the aorta and interrupted aortic arch, Deeg KH; Singer H, Pediatr Radiol 1989; **19:** 163

failure of balloon aortic valvuloplasty to result in sustained clinical improvement in patients with depressed left ventricular function, (ab), Davidson CJ; Harrison JK; Leithe ME; et al, Radiology 1990; **176:** 590

hyperdense choroid plexus: a CT finding associated with aortic arch obstruction in the newborn, Rand JC; Burton EM; Tonkin ILD; et al, Pediatr Radiol 1990; **21:** 2

increased rate of left predominance associated with adult valvular aortic stenosis, Thorvinger B; Lundin A; Albrechtsson U, Acta Radiol 1990; **31:** 245

insights on the mechanism of balloon valvuloplasty in aortic stenosis, (ab), Letac B; Gerber LI; Koning R, Radiology 1989; **172:** 588

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; **176:** 523

local urokinase infusion for total occlusion of the lower abdominal aorta: report of two cases and a review of the literature, Goffette P; Kurdziel JC; Dondelinger RF, Eur J Radiol 1989; **9:** 121

long-term results of aortoiliac reconstruction, Brothers TE; Greenfield LJ, JVIR 1990; **1:** 49

magnetic resonance imaging and angiography for the assessment of coarctation of the aorta, Nyman R; Hallberg M; Sunnegårdh J; et al, Acta Radiol 1989; **30:** 481

midaortic syndrome: diagnosis and treatment, Berkmen YM; Lande A, Radiology 1989; **170:** 571

midaortic syndrome diagnosis and treatment: reply, Meranze SG; O'Neill JA Jr, Radiology 1989; **170:** 572

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; **170:** 921

obstruction of the infrarenal portion of the abdominal aorta: results of treatment with balloon angioplasty, Ravimandalam K; Rao VRK; Kumar S; et al, AJR 1991; **156:** 1257

percutaneous transluminal angioplasty of abdominal aortic stenoses, Odurny A; Colapinto RF; Sniderman KW; et al, Cardiovasc Intervent Radiol 1989; **12:** 1

percutaneous transluminal aortic angioplasty: techniques and results, Yakes WF; Kumpe DA; Brown SB; Parker SH; Lattes RG; Cook PS; Haas DK; Gibson MD; Hopper KD; Reed MD; Cox HE; Bourne EE; Griffin DJ, Radiology 1989; **172:** 965

potential of radio-frequency balloon angioplasty: weld strengths, dose-response relationship, and correlative histology, Becker GJ; Lee BI; Waller BF; Barry KJ; Kaplan J; Connolly R; Dreesen RG; Nardella P, Radiology 1990; **174:** 1003

progression of aortic stenosis in adults: new appraisal using Doppler echocardiography, (ab), Roger VL; Tajik AJ; Bailey KR; et al, Radiology 1990; **176:** 883

rapid, accurate, noninvasive technique for diagnosing critical and subcritical stenoses in aortoiliac arteries, (ab), Sawchuk AP; Flanigan DP; Tober JC; et al, Radiology 1991; **178:** 590

repair of coarctation of the aorta in children: postoperative morphology, Pinzon JL; Burrows PE; Benson LN; Moës CAF; Lightfoot NE; Williams WG; Freedom RM, Radiology 1991; **180:** 199

self-expanding endovascular stent in experimental atherosclerosis: work in progress, Rousseau HP; Joffre FG; Raillat CR; Julian M; Pierragi MT; Chalabi F; Bouissou H, Radiology 1989; **170:** 773

simultaneous aortic reconstruction and bilateral renal revascularization: is this a safe and effective procedure?, (ab), O'Mara CS; Maples MD; Kilgore TL Jr; et al, Radiology 1989; **171:** 885

sonographic sign suggesting the prenatal diagnosis of coarctation of the aorta, Benacerraf BR; Saltzman DH; Sanders SP, J Ultrasound Med 1989; **8:** 65

valve and great vessel stenosis: assessment with MR jet velocity mapping, Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB, Radiology 1991; **178:** 229

Aorta, surgery

acute aortic occlusion as a late complication of coarctation repair, Williams CR; Nilakhe V; Clouse ME, Cardiovasc Intervent Radiol 1989; **12:** 286

aneurysm formation after repair of coarctation of the aorta, Cheng TO, Radiology 1991; **181:** 905

aortic valvoplasty: comparison of the techniques and results of transeptal and retrograde methods, Crook R; Weston M; Wilde RPH; et al, Clin Radiol 1990; **42:** 110

combined aortic and visceral arterial reconstruction: risks and results, (ab), Atnip RG; Neumyer MM; Healy DA; et al, Radiology 1991; **180:** 886

lack of sustained clinical improvement in an elderly population after percutaneous aortic valvuloplasty, (ab), Litvack F; Jakubowski AT; Buchbinder NA; et al, Radiology 1989; **171:** 588

long-term results of aortoiliac reconstruction, Brothers TE; Greenfield LJ, JVIR 1990; **1:** 49

percutaneous reconstruction of the aortic bifurcation with Palmaz stents: case report, Küffer G; Spengel F; Steckmeier B, Cardiovasc Intervent Radiol 1991; **14:** 170

radiologic evaluation of aortic dissection, Petasnick JP, Radiology 1991; **180:** 297

repair of coarctation of the aorta in children: postoperative morphology, Pinzon JL; Burrows PE; Benson LN; Moës CAF; Lightfoot NE; Williams WG; Freedom RM, Radiology 1991; **180:** 199

unusual collateral venous blood flow following surgical repair of a thoracic aortic dissection, Swayne LC; Ginsberg HN; Parr GVS, Clin Nucl Med 1991; **16:** 283

Aorta, thrombosis

acute aorto-iliac thrombosis in a young man shown on unenhanced computed tomography, Adler J; Robey G, Br J Radiol 1989; **62:** 627

aortic thrombosis after umbilical artery catheterization in neonates: prevalence of complications on long-term follow-up, Seibert JJ; Northington FJ; Miers JF; et al, AJR 1991; **156:** 567

aortic thrombosis in a neonate with undetectable protein C, Gremse DA; Peevy KJ; Walterspiel JN; et al, Pediatr Radiol 1990; **20:** 198

detection of aortic arch thrombus using MR imaging, Seelos KC; Funari M; Higgins CB, JCAT 1991; **15:** 244

neonatal aortic thrombosis treated with intra-arterial urokinase therapy, Goldberg REA; Cohen AM; Bryan PJ; et al, J Canad Assoc Radiol 1989; **40:** 55

Aorta, transluminal angioplasty

acute catastrophic complications of balloon aortic valvuloplasty, (ab), Isner JM, JVIR 1991; **2:** 413

aneurysm formation after repair of coarctation of the aorta, Cheng TO, Radiology 1991; **181:** 905

aorta balloon angioplasty: 9-year follow-up, Tadavarthy AK; Sullivan WA Jr; Nicoloff D; Castaneda-Zuniga WR; Hunter DW; Amplatz K, Radiology 1989; **170:** 1039

balloon angioplasty for aortic recoarctation: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Hellenbrand WE; Allen HD; Golinko RJ; et al, Radiology 1990; **177:** 296

balloon angioplasty for the treatment of native coarctation: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Tynan M; Finley JP; Fontes V; et al, Radiology 1990; **177:** 296

balloon aortic valvuloplasty: results of the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Rocchini AP; Beekman RH; Shachar GB; et al, Radiology 1990; **177:** 296

midaortic syndrome: diagnosis and treatment, Berkmen YM; Lande A, Radiology 1989; **170:** 571

midaortic syndrome diagnosis and treatment: reply, Meranze SG; O'Neill JA Jr, Radiology 1989; **170:** 572

obstruction of the infrarenal portion of the abdominal aorta: results of treatment with balloon angioplasty, Ravimandalam K; Rao VRK; Kumar S; et al, AJR 1991; **156:** 1257

penetrating atherosclerotic aortic ulcer with dissecting hematoma: control of bleeding with percutaneous embolization, Williams DM; Kirsh MM; Abrams GD, Radiology 1991; **181:** 85

percutaneous transluminal angioplasty in nonspecific aortoarteritis (Takayasu's disease): experience of 16 cases, Kumar S; Mandalam KR; Rao VRK; et al, Cardiovasc Intervent Radiol 1989; **12:** 321

percutaneous transluminal angioplasty of abdominal aortic stenoses, Odurny A; Colapinto RF; Sniderman KW; et al, Cardiovasc Intervent Radiol 1989; **12:** 1

percutaneous transluminal aortic angioplasty: techniques and results, Yakes WF; Kumpe DA; Brown SB; Parker SH; Lattes RG; Cook PS; Haas DK; Gibson MD; Hopper KD; Reed MD; Cox HE; Bourne EE; Griffin DJ, Radiology 1989; **172:** 965

potential of radio-frequency balloon angioplasty: weld strengths, dose-response relationship, and correlative histology, Becker GJ; Lee BI; Waller BF; Barry KJ; Kaplan J; Connolly R; Dreesen RG; Nardella P, Radiology 1990; **174:** 1003

relief of mesenteric ischemia in type III aortic dissection with percutaneous fenestration of the aortic septum, Williams DM; Brothers TE; Messina LM, Radiology 1990; **174:** 450

repair of coarctation of the aorta in children: postoperative morphology, Pinzon JL; Burrows PE; Benson LN; Moës CAF; Lightfoot NE; Williams WG; Freedom RM, Radiology 1991; **180:** 199

self-expanding endovascular stent in experimental atherosclerosis: work in progress, Rousseau HP; Joffre FG; Raillat CR; Julian M; Pierragi MT; Chalabi F; Bouissou H, Radiology 1989; **170:** 773

Aorta, US

aortic wall: an in vitro study of the double-line pattern in high-resolution US, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1990; **175:** 387

assessment of a potentially noninvasive method for monitoring aortic blood flow in children, Lavandier B; Muchada R; Chignier E; et al, Ultrasound Med Biol 1991; **17:** 107

color-flow US imaging through the analysis of speckle motion, Gardiner WM; Fox MD, Radiology 1989; **172:** 866

computer evaluation of Doppler spectral envelope area in patients having a valvular aortic stenosis, Cloutier G; Lemire F; Durand L-G; et al, Ultrasound Med Biol 1990; **16:** 247

derivation of haemodynamic information from ultrasonic recordings of aortic diameter changes, Gustafsson D; Stale H; Björkman J-A; et al, Ultrasound Med Biol 1989; **15:** 189

diagnosis of abdominal aortic dissection by image-directed Doppler sonography, Giyanani VL; Krebs CA; Nall LA; et al, JCU 1989; **17:** 445

double-line pattern of vessel walls at high-frequency US, Fitzgerald PJ; Yock PG, Radiology 1991; **179:** 878

double-line pattern of vessel walls at high-frequency US, Mercuri MF, Radiology 1991; **179:** 879

double-line pattern of vessel walls at high-frequency US: reply, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1991; **179:** 879

duplex ultrasound of the abdominal aorta—a neglected tool in aortic dissection, Thomas EA; Dubbins PA, Clin Radiol 1990; **42:** 330

human abdominal aorta: comparative measurements of blood flow with MR imaging and multigated Doppler US, Maier SE; Meier D; Boesiger P; Moser UT; Vieli A, Radiology 1989; **171:** 487

intraoperative ultrasonic imaging of the ascending aorta in ischemic heart disease, (ab), Ohteki H; Itoh T; Natsuaki M; et al, Radiology 1991; **179:** 295

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; **176:** 523

spontaneous dynamic echoes in aortic dissection, Chow W-H; Tai Y-T; Cheung K-L; et al, JCU 1990; **18:** 442

transesophageal echocardiography in the assessment of aortic pathology, Shively BK, J Thorac Imag 1990; **5-4:** 40

two-dimensional echocardiographic aortic root dimensions in normal children and adults, (ab), Roman MJ; Devereux RB; Kramer-Fox R; et al, Radiology 1990; **175:** 590

two-dimensional echocardiography and Doppler color flow abnormalities in aortic root dissection, (ab), Chia BL; Yan PC; Ee BK; et al, Radiology 1989; **171:** 588

usefulness of the Doppler mean gradient in evaluation of children with aortic valve stenosis and comparison to gradient at catheterization, (ab), Bengur AR; Snider AR; Serwer GA; et al, Radiology 1990; **175:** 294

velocity profiles in the normal human abdominal aorta: a comparison between ultrasound and magnetic resonance data, Vieli A; Moser U; Maier S; et al, Ultrasound Med Biol 1989; **15:** 113

Aortic valve

acute catastrophic complications of balloon aortic valvuloplasty, (ab), Isner JM, JVIR 1991; **2:** 413

aortic valvoplasty: comparison of the techniques and results of transeptal and retrograde methods, Crook R; Weston M; Wilde RPH; et al, Clin Radiol 1990; **42:** 110

balloon aortic valvuloplasty: results of the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Rocchini AP; Beekman RH; Shachar GB; et al, Radiology 1990; **177:** 296

combined percutaneous mitral and aortic balloon valvuloplasty, (ab), Medina A; Bethencourt A; Coello I; et al, Radiology 1990; **175:** 589

diagnosis and assessment of mitral and aortic valve disease by cine-flow magnetic resonance imaging, Mitchell L; Jenkins JPR; Watson Y; et al, Magn Res Med 1989; **12:** 181

dissection of the aorta associated with congenital malformation of the aortic valve, (ab), Roberts CS; Roberts WC, JVIR 1991; **2:** 416

echocardiographic detection of aortic valve ring abscesses, Russo G; Tamburino C; Greco G; et al, J Ultrasound Med 1990; **9:** 319

failure of balloon aortic valvuloplasty to result in sustained clinical improvement in patients with depressed left ventricular function, (ab), Davidson CJ; Harrison JK; Leithe ME; et al, Radiology 1990; **176:** 590

gallium-SPECT in the detection of prosthetic valve endocarditis and aortic ring abscess, O'Brien K; Barnes D; Martin RH; et al, J Nucl Med 1991; **32:** 1791

insights on the mechanism of balloon valvuloplasty in aortic stenosis, (ab), Letac B; Gerber LI; Koning R, Radiology 1989; **172:** 588

lack of sustained clinical improvement in an elderly population after percutaneous aortic valvuloplasty, (ab), Litvack F; Jakubowski AT; Buchbinder NA; et al, Radiology 1989; **171:** 588

low-field cine magnetic resonance imaging in aortic valve disease, Metcalfe MJ; Jones RA; Redpath TW; et al, Br J Radiol 1989; **62:** 1063

tolerance of normal aorta to oversized dual balloon valvuloplasty. observations in a swine model: technical note, Moore JW; Laird JR; White CJ; et al, Cardiovasc Intervent Radiol 1990; **13:** 107

tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; **176:** 728

transesophageal echocardiographic features of normal and dysfunctioning bioprosthetic valves, (ab), Alam M; Serwin JB; Rosman HS; et al, Radiology 1991; **181:** 911

usefulness of the Doppler mean gradient in evaluation of children with aortic valve stenosis and comparison to gradient at catheterization, (ab), Bengur AR; Snider AR; Serwer GA; et al, Radiology 1990; **175:** 294

Aortitis

case report: salmonella aortitis and aneurysm formation: the role of CT in management, Jagjivan B; Nakielny RA, Clin Radiol 1990; **42:** 55

general case of the day, Samson L; Chalaoui J; Paradis B, Radiographics 1990; **10:** 508

impending rupture of nonaneurysmal bacterial aortitis: CT diagnosis, Mantello MT; Panaccione JL; Moriarty PE; et al, JCAT 1990; **14:** 950

incorporation versus infection of retroperitoneal aortic grafts: MR imaging features, Auffermann W; Olofsson PA; Rabahie GN; Tavares NJ; Stoney RJ; Higgins CB, Radiology 1989; **172:** 359

intravenous digital subtraction angiography in non-specific aorto-arteritis, Sharma S; Aggarwal S; Talwar KK; et al, Br J Radiol 1989; **62:** 117

non-specific aorto-arteritis (Takayasu's disease) in children, Sharma S; Rajani M; Shrivastava S; et al, Br J Radiol 1991; **64:** 690

rheumatoid aortitis: a rarely recognized but clinically significant entity, (ab), Gravalliese EM; Corson JM; Coblyn JS; et al, Radiology 1989; **173:** 587

rupture of a non-aneurysmal salmonella infected aorta, Cook AM; Christopoulos D, Clin Radiol 1989; **40:** 605

Aortography

aortobronchial fistula as a complication of surgery for correction of congenital aortic anomalies, Garniek A; Morag B; Schmahmann S; Rubinstein ZJ, Radiology 1990; **175:** 347

axillary artery counter-current aortography in the newborn with aortic arch obstruction, Lau KC; Lo RNS; Leung MP, Pediatr Radiol 1989; **19:** 516

current role of conventional and digital aortography in the diagnosis of aortic disease, Sanders C, J Thorac Imag 1990; **5-4:** 48

magnetic resonance imaging and angiography for the assessment of coarctation of the aorta, Nyman R; Hallberg M; Sunnegårdh J; et al, Acta Radiol 1989; **30:** 481

midaortic syndrome: diagnosis and treatment, Berkmen YM; Lande A, Radiology 1989; **170:** 571

midaortic syndrome diagnosis and treatment: reply, Meranze SG; O'Neill JA Jr, Radiology 1989; **170:** 572

oblique projections in aortography following blunt thoracic trauma, Parker LA Jr; Delany DJ; Friday JM, J Canad Assoc Radiol 1989; **40:** 172

radiologic evaluation of aortic dissection, Petasnick JP, Radiology 1991; **180:** 297

residual dissection of the thoracic aorta after repair: MRI-angiographic correlation, Mendelson DS; Apter S; Mitty HA; et al, Comput Med Imag Graph 1991; **15:** 31

thoracic aortic trauma: role of dynamic CT, Madayag MA; Kirshenbaum KJ; Nadimpalli SR; Fantus RJ; Cavallino RP; Crystal GJ, Radiology 1991; **179:** 853

transfemoral digital subtraction aortography: are diluted high osmolar contrast media acceptable?, Naisby GP; Owen JP; Alexander TW; et al, Acta Radiol 1991; **32:** 137

Aortography, technology

CT analysis of a safe approach for translumbar access to the aorta and inferior vena cava, Cazenave FL; Glass-Royal MC; Teitelbaum GP; et al, AJR 1991; **156:** 395

technical development: a modified pigtail catheter for transbrachial aortography, Patel YD, Clin Radiol 1990; **41:** 128

translumbar arch aortography: a retrospective controlled study of usefulness, technique, and safety, Bakal CW; Friedland RJ; Sprayregen S; Calligaro KD; Cynamon J; Veith FJ, Radiology 1991; **178:** 225

Appendicitis

acute appendicitis in children: evaluation with US, Vignault F; Filiatrault D; Brandt ML; Garel L; Grignon A; Ouimet A, Radiology 1990; **176:** 501

acute appendicitis in children: sonographic findings, Kao SCS; Smith WL; Abu-Yousef MM; et al, AJR 1989; **153:** 375

acute appendicitis: the radiologist's role, Brown JJ, Radiology 1991; **180:** 13

appendicitis: prospective evaluation with high-resolution CT, Balthazar EJ; Megibow AJ; Siegel SE; Birnbaum BA, Radiology 1991; **180:** 21

barium enema in the diagnosis of acute appendicitis, Garcia CJ; Rosenfield NS, Semin US CT MR 1989; **10:** 314

barium enema in the diagnosis of acute appendicitis, (ab), El Ferzli G; Ozuner G; Davidson PG; et al, Radiology 1991; **179:** 883

clinical evaluation of ultrasonography in the diagnosis of acute appendicitis, (ab), Kang W-M; Lee CH; Chon Y-H; et al, Radiology 1989; **172:** 882

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

compression ultrasonography as an aid in the differential diagnosis of appendicitis, (ab), Fa EM; Cronan JJ, Radiology 1990; **175:** 587

CT of appendicitis, Balthazar EJ; Gordon RB, Semin US CT MR 1989; **10:** 326

CT of appendicitis: diagnosis and treatment, Shapiro MP; Gale ME; Gerzof SG, Radiol Clin North Am 1989; **27:** 753

evaluation of children with possible appendicitis using technetium 99m leukocyte scan, (ab), Henneman PL; Marcus CS; Inkelis SH; et al, Radiology 1990; **177:** 600

evaluation of right lower quadrant pain: ultrasound and CT, (ab), Jeffrey RB Jr; Megibow AJ, Radiology 1991; **180:** 883

Fournier gangrene caused by a perforated retroperitoneal appendix: CT demonstration, Gaeta M; Volta S; Minutoli A; et al, AJR 1991; **156:** 341

graded compression ultrasound in the diagnosis of appendicitis: a comparison of diagnostic criteria, Worrell JA; Drolshagen LF; Kelly TC; et al, J Ultrasound Med 1990; **9:** 145

improving diagnosis of appendicitis: early autologous leukocyte scanning, (ab), DeLaney AR; Raviola CA; Weber PN; et al, Radiology 1990; **175:** 289

indium 111 imaging in appendicitis, Navarro DA; Weber PM, Semin US CT MR 1989; **10:** 321

intrathoracic appendicitis in a ten-year-old girl, Zerin JM, Invest Radiol 1990; **25:** 1162

localized ileus of the proximal jejunum: a new sign for acute appendicitis, Mowji PJ; Jones MD; Cohen AJ, Gastrointest Radiol 1989; **14:** 173

management of the periappendiceal inflammatory mass, Jeffrey RB Jr, Semin US CT MR 1989; **10:** 341

overview of graded compression sonography in the diagnosis of acute appendicitis, Abu-Yousef MM; Franken EA Jr, Semin US CT MR 1989; **10:** 352

pediatric case of the day, Burton EM; Boulden TF; Magill HL; Seidel FG; Brooks MT; Hanna SL, Radiographics 1990; **10:** 372

sonographic diagnosis of perforation in patients with acute appendicitis, Borushok KF; Jeffrey RB Jr; Laing FC; et al, AJR 1990; **154:** 275

sonography in patients with suspected acute appendicitis: value in establishing alternative diagnoses, Gaensler EHL; Jeffrey RB Jr; Laing FC; et al, AJR 1989; **152:** 49

ultrasonography in acute appendicitis, Bilbey JH; Gibney RG; Cooperberg PL, J Canad Assoc Radiol 1989; **40:** 22

ultrasonography in patients with suspected acute appendicitis: a prospective study, Skaane P; Amland PF; Nordshus T; et al, Br J Radiol 1990; **63:** 787

ultrasound study of acute appendicitis in children with emphasis upon the diagnosis of retrocecal appendicitis, Ceres L; Alonso I; López P; et al, Pediatr Radiol 1990; **20:** 258

validity and utility of sonography in the diagnosis of appendicitis in the community setting, Larson JM; Peirce JC; Ellinger DM; et al, AJR 1989; **153:** 687

Appendix

case of the month: no way out, Guest PJ; McLean A; Graham N, Br J Radiol 1989; **62:** 629

plain film diagnosis of appendiceal perforation in children, Johnson JF; Coughlin WF, Semin US CT MR 1989; **10:** 306

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mucocele of the appendix accurately diagnosed using computer tomography, Yoshida Y; Kamegawa T; Sugio K; et al, Clin Imag 1990; **14:** 61

pediatric case of the day, Burton EM; Boulden TF; Magill HL; Seidel FG; Brooks MT; Hanna SL, Radiographics 1990; **10:** 372

percutaneous drainage of postappendectomy abscesses complicated by enteric communication, Peer A; Strauss S, Cardiovasc Intervent Radiol 1991; **14:** 106

percutaneous management of appendiceal abscesses, Nunez D Jr; Yrizarry JM; Casillas VJ; et al, Semin US CT MR 1989; **10:** 348

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Appendix, CT

acute appendicitis: the radiologist's role, Brown JJ, Radiology 1991; **180:** 13

appendicitis: prospective evaluation with high-resolution CT, Balthazar EJ; Megibow AJ; Siegel SE; Birnbaum BA, Radiology 1991; **180:** 21

CT demonstration of the appendix in asymptomatic adults, Scatarige JC; DiSantis DJ; Allen HA III; et al, Gastrointest Radiol 1989; **14:** 271

CT of appendicitis, Balthazar EJ; Gordon RB, Semin US CT MR 1989; **10:** 326

CT of appendicitis: diagnosis and treatment, Shapiro MP; Gale ME; Gerzof SG, Radiol Clin North Am 1989; **27:** 753

CT of the normal appendix, Grosskreutz S; Goff WB II; Balsara Z; et al, JCAT 1991; **15:** 575

mucocele of the appendix accurately diagnosed using computer tomography, Yoshida Y; Kamegawa T; Sugio K; et al, Clin Imag 1990; **14:** 61

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Appendix, neoplasms

lymphoma of the appendix, Carpenter BW, Gastrointest Radiol 1991; **16:** 256

mesenteric desmoid of the appendix—a case report, Furie DM; Patel U; Khan A; et al, Comput Med Imag Graph 1991; **15:** 117

mucinous tumors of the appendix associated with mucinous tumors of the ovary and pseudomyxoma peritonei: a clinicopathological analysis of 22 cases supporting an origin in the appendix, (ab), Young RH; Gilks CB; Scully RE, Radiology 1991; **181:** 296

Appendix, radionuclide studies

evaluation of children with possible appendicitis using technetium 99m leukocyte scan, (ab), Henneman PL; Marcus CS; Inkelis SH; et al, Radiology 1990; **177:** 600

indium 111 imaging in appendicitis, Navarro DA; Weber PM, Semin US CT MR 1989; **10:** 321

Appendix, US

acute appendicitis in children: evaluation with US, Vignault F; Filiatrault D; Brandt ML; Garel L; Grignon A; Ouimet A, Radiology 1990; **176:** 501

acute appendicitis: the radiologist's role, Brown JJ, Radiology 1991; **180:** 13

appendiceal involvement in cecal carcinoma: demonstration by ultrasound, Becking WB; Puylaert JBCM; Feldberg MAM; et al, Gastrointest Radiol 1989; **14:** 170

clinical evaluation of ultrasonography in the diagnosis of acute appendicitis, (ab), Kang W-M; Lee CH; Chon Y-H; et al, Radiology 1989; **172:** 882

compression ultrasonography as an aid in the differential diagnosis of appendicitis, (ab), Fa EM; Cronan JJ, Radiology 1990; **175:** 587

graded compression ultrasound in the diagnosis of appendicitis: a comparison of diagnostic criteria, Worrell JA; Drolshagen LF; Kelly TC; et al, J Ultrasound Med 1990; **9:** 145

mucocele of the appendix presenting as an adnexal mass, Bahia JO; Wilson MH, JCU 1989; **17:** 62

overview of graded compression sonography in the diagnosis of acute appendicitis, Abu-Yousef MM; Franken EA Jr, Semin US CT MR 1989; **10:** 352

sonographic diagnosis of perforation in patients with acute appendicitis, Borushok KF; Jeffrey RB Jr; Laing FC; et al, AJR 1990; **154:** 275

sonography in patients with suspected acute appendicitis: value in establishing alternative diagnoses, Gaensler EHL; Jeffrey RB Jr; Laing FC; et al, AJR 1989; **152:** 49

ultrasonography in acute appendicitis, Bilbey JH; Gibney RG; Cooperberg PL, J Canad Assoc Radiol 1989; **40:** 22

ultrasonography in patients with suspected acute appendicitis: a prospective study, Skaane P; Amland PF; Nordshus T; et al, Br J Radiol 1990; **63:** 787

ultrasound study of acute appendicitis in children with emphasis upon the diagnosis of retrocecal appendicitis, Ceres L; Alonso I; López P; et al, Pediatr Radiol 1990; **20:** 258

unusual sonographic appearance of a perforated appendiceal abscess, Ngo C; Wong L; Yaghmai I, Pediatr Radiol 1989; **19:** 335

validity and utility of sonography in the diagnosis of appendicitis in the community setting, Larson JM; Peirce JC; Ellinger DM; et al, AJR 1989; **153:** 687

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Arachnoid, CT

acquired spinal subarachnoid cysts: evaluation with MR, CT myelography, and intraoperative sonography, Sklar EML; Quencer RM; Green BA; et al, AJR 1989; **153:** 1057

CT diagnosis of neonatal subarachnoid hemorrhage, Govaert P; Van De Velde E; Vanhaesebrouck P; et al, Pediatr Radiol 1990; **20:** 139

thoracic intradural arachnoid cyst: possible pitfalls with myelo-CT and MR, Dietemann JL; Filippi de la Palavesa MM; Kastler B; et al, Neuroradiol 1991; **33:** 90

Arachnoid, cysts

acquired spinal subarachnoid cysts: evaluation with MR, CT myelography, and intraoperative sonography, Sklar EML; Quencer RM; Green BA; et al, AJR 1989; **153:** 1057

arachnoid cysts with intracystic and subdural haematoma, Romero FJ; Rovira M Jr; Ibarra B; et al, Eur J Radiol 1989; **9:** 119

bilateral arachnoid cysts of the temporal fossa in four children with glutaric aciduria type I, Hald JK; Nakstad PH; Skjeldal OH; et al, AJNR 1991; **12:** 407

case of the month: a real headache!, Jackson JE; O'Donnell CJ, Br J Radiol 1989; **62:** 867

computed tomography of a post traumatic spinal archnoid cyst, Agustin JJT; Martinench EG; Corretger FC; et al, Neuroradiol 1989; **31:** 354

do arachnoid cysts grow? a retrospective CT volumetric study, Becker T; Wagner M; Hofmann E; et al, Neuroradiol 1991; **33:** 341

intracranial arachnoid cysts in myotonic dystrophy, Fiorelli M; Duboc D; Pappatà S; et al, Neuroradiol 1991; **33:** 258

intradural arachnoid cysts of the spinal canal associated with intramedullary cysts, (ab), Andrews BT; Weinstein PR; Rosenbaum ML; et al, Radiology 1989; **170:** 589

intradural spinal arachnoid cyst: case report, Levin TL; Zimmerman RD; Lieberman H, Clin Imag 1990; **14:** 245

intraventricular choroid plexus "arachnoid" cyst: MRI findings, Pelletier J; Milandre L; Péragut JC; et al, Neuroradiol 1990; **32:** 523

magnetic resonance imaging contribution to the diagnosis of spinal cord compression by a subdural arachnoid cyst, Gindre-Barrucand T; Charleux F; Turjman F; et al, Neuroradiol 1991; **33:** 87

magnetic resonance imaging of an epidural spinal arachnoid cyst, Hald JK; Bakke SJ; Nakstad PH; et al, Acta Radiol 1989; **30:** 491

magnetic resonance imaging of arachnoid cysts, Heier LA; Zimmerman RD; Amster JL; et al, Clin Imag 1989; **13:** 281

MRI demonstration of uncal herniation caused by arachnoid cyst in the Sylvian fissure, Iwama T; Kuroda T; Sugimoto S; et al, Neuroradiol 1991; **33:** 346

MR imaging of middle cranial fossa arachnoid cysts: temporal lobe agenesis syndrome revisited, Robertson SJ; Wolpert SM; Runge VM, AJNR 1989; **10:** 1007

scintigraphic demonstration of intracranial communication between arachnoid cyst and associated subdural hematoma, Yokoyama K; Tonami N; Kimura M; et al, Clin Nucl Med 1989; **14:** 350

thoracic intradural arachnoid cyst: possible pitfalls with myelo-CT and MR, Dietemann JL; Filippi de la Palavesa MM; Kastler B; et al, Neuroradiol 1991; **33:** 90

value of MRI in the study of spinal extradural arachnoid cysts, Boisserie-Lacroix M; Bouin H; Joullie M; et al, Comput Med Imag Graph 1990; **14:** 221

Arachnoid, hemorrhage

arachnoid cysts with intracystic and subdural haematoma, Romero FJ; Rovira M Jr; Ibarra B; et al, Eur J Radiol 1989; **9:** 119

CT diagnosis of neonatal subarachnoid hemorrhage, Govaert P; Van De Velde E; Vanhaesebrouck P; et al, Pediatr Radiol 1990; **20:** 139

evaluation of vasospasm secondary to subarachnoid hemorrhage with technetium-99m-hexamethyl-propyleneamine oxime (HM-PAO) tomoscintigraphy, Soucy JP; McNamara D; Mohr G; et al, J Nucl Med 1990; **31:** 972

intracranial angioplasty for treatment of vasospasm after subarachnoid hemorrhage: technique and modifications to improve branch access, Brothers MF; Holgate RC, AJNR 1990; **11:** 239

MR imaging of acute subarachnoid hemorrhage, Spickler EM; Lufkin RB; Teresi L; et al, Comput Med Imag Graph 1990; **14:** 67

my experience as a patient with subarachnoid hemorrhage, Hasso AN, AJNR 1990; **11:** 229

pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage, (ab), Dion JE; Duckwiler GR; Viñuela F; et al, JVIR 1991; **2:** 301

pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage, Dion JE; Duckwiler GR; Viñuela F; et al, Neuroradiol 1990; **32:** 232

role of angioplasty in the treatment of symptomatic vascular spasm occuring in the post-operative course of intracranial ruptured aneurysms, Bracard S; Picard L; Marchal JC; et al, J Neuroradiol 1990; **17:** 6

Arachnoid, inflammation

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Arachnoid, MR

acquired spinal subarachnoid cysts: evaluation with MR, CT myelography, and intraoperative sonography, Sklar EML; Quencer RM; Green BA; et al, AJR 1989; **153:** 1057

benign lumbar arachnoiditis: MR imaging with gadopentetate dimeglumine, Johnson CE; Sze G, AJNR 1990; **11:** 763

benign lumbar arachnoiditis: MR imaging with gadopentetate dimeglumine, Johnson CE; Sze G, AJR 1990; **155:** 873
intraventricular choroid plexus "arachnoid" cyst: MRI findings, Pelletier J; Milandre L; Péragut JC; et al, Neuroradiol 1990; **32:** 523
magnetic resonance imaging contribution to the diagnosis of spinal cord compression by a subdural arachnoid cyst, Gindre-Barrucand T; Charleux F; Turjman F; et al, Neuroradiol 1991; **33:** 87
magnetic resonance imaging of an epidural spinal arachnoid cyst, Hald JK; Bakke SJ; Nakstad PH; et al, Acta Radiol 1989; **30:** 491
magnetic resonance imaging of arachnoid cysts, Heier LA; Zimmerman RD; Amster JL; et al, Clin Imag 1989; **13:** 281
MRI demonstration of uncal herniation caused by arachnoid cyst in the Sylvian fissure, Iwama T; Kuroda T; Sugimoto S; et al, Neuroradiol 1991; **33:** 346
MR imaging of acute subarachnoid hemorrhage, Spickler EM; Lufkin RB; Teresi L; et al, Comput Med Imag Graph 1990; **14:** 67
MR imaging of middle cranial fossa arachnoid cysts: temporal lobe agenesis syndrome revisited, Robertson SJ; Wolpert SM; Runge VM, AJNR 1989; **10:** 1007
thoracic intradural arachnoid cyst: possible pitfalls with myelo-CT and MR, Dietemann JL; Filippi de la Palavesa MM; Kastler B; et al, Neuroradiol 1991; **33:** 90
value of MRI in the study of spinal extradural arachnoid cysts, Boisserie-Lacroix M; Bouin H; Joullie M; et al, Comput Med Imag Graph 1990; **14:** 221

Arachnoiditis

benign lumbar arachnoiditis: MR imaging with gadopentetate dimeglumine, Johnson CE; Sze G, AJNR 1990; **11:** 763
benign lumbar arachnoiditis: MR imaging with gadopentetate dimeglumine, Johnson CE; Sze G, AJR 1990; **155:** 873
effect of lidocaine on the meninges in an experimental animal model, Nguyen CM; Ho K-C; Haughton VM, Invest Radiol 1991; **26:** 745
tuberculous arachnoiditis of the spine: findings on myelography, CT, and MR imaging, Chang KH; Han MH; Choi YW; et al, AJNR 1989; **10:** 1255

Armed Forces Institute of Pathology

Robert D. Pugatch, MD, sixth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, Radiology 1990; **176:** 285
Robert H. Ackerman, MD, Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Buck JL, Radiology 1991; **180:** 281

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See also Aneurysm; Angiography; Arteriovenous malformations; Cerebral blood vessels; Coronary vessels; Embolism; Grafts; Thrombosis; under names of specific blood vessels, such as Aorta
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Arteries, abnormalities

acquired diseases of aberrant subclavian arteries, Mulligan SA; Nath PH; Keller FS; et al, J Thorac Imag 1989; **4-2:** 76
anomalous origin of anterior choroidal artery, Hara N; Koike T; Akiyama K; et al, Neuroradiol 1989; **31:** 88
anomalous origin of the posterior inferior cerebellar artery from the posterior meningeal artery, Ogawa T; Fujita H; Inugami A; et al, AJNR 1991; **12:** 186
anterior cervical spinal artery originating from a right vertebral artery with a bifid origin, Brugières P; Djindjian M; Revel MP; et al, Neuroradiol 1990; **32:** 506
anterior choroidal artery: angiographic analysis of variations and anomalies, Takahashi S; Suga T; Kawata Y; et al, AJNR 1990; **11:** 719
biological classification of soft-tissue vascular anomalies: MR correlation, Meyer JS; Hoffer FA; Barnes PD; et al, AJR 1991; **157:** 559
case of the season, Kullnig P, Semin Roentgenol 1989; **24:** 75
circle of Willis variant analogous to fetal type primitive trigeminal artery, Wismer GL, Neuroradiol 1989; **31:** 366
color Doppler flow imaging of the normal and abnormal orbit, Erickson SJ; Hendrix LE; Massaro BM; Harris GJ; Lewandowski MF; Foley WD; Lawson TL, Radiology 1989; **173:** 511
consistent arterial abnormalities associated with a variety of congenital malformations of the human lower limb, Levinsohn EM; Hootnick DR; Packard DS Jr, Invest Radiol 1991; **26:** 364
developmental abnormalities in the systemic blood supply to the lungs, Ellis K, AJR 1991; **156:** 669
ectasia of arteries beyond the circle of Willis, Dervin J; Kendall BE, Neuroradiol 1990; **31:** 483
endovascular management of arterial intimal defects: an experimental comparison by arteriography, angioscopy, and intravascular ultrasonography, (ab), Neville RF Jr; Yasuhara H; Watanabe BI; et al, Radiology 1991; **181:** 294
esophageal duplication cyst and aberrant right subclavian artery mimicking a symptomatic vascular ring, Hedlund GL; Bisset GS III, Pediatr Radiol 1989; **19:** 543
extracardiac vasculature in candidates for Fontan surgery: MR imaging, Julsrud PR; Ehman RL; Hagler DJ; Ilstrup DM, Radiology 1989; **173:** 503
internal carotid origin of double ophthalmic arteries, Ogawa T; Miyauchi T; Kato T; et al, Neuroradiol 1990; **32:** 508
intrasellar trigeminal artery, Richardson DN; Elster AD; Ball MR, AJNR 1989; **10:** 205
middle mesenteric artery: an unusual source for colonic hemorrhage, LeQuire MH; Sorge DG; Brantley SD, JVIR 1991; **2:** 141
MR imaging of persistent primitive trigeminal artery, Shintani S; Kuzuhara S; Toyokura Y, Neuroradiol 1990; **32:** 79
radioclinical problems raised by megalodolichobasilar artery: 17 cases and a review of the literature, Brichaux JC; Gense D; Greselle JF; et al, J Neuroradiol 1989; **16:** 11
renal pseudotumor due to aberrant renal capsular artery supplying normal spleen, Bugaieski EM; Bertino RE; Brady TM, Cardiovasc Intervent Radiol 1990; **13:** 306

Arteries, basilar

3DFT MR angiography of carotid and basilar arteries, Wagle WA; Dumoulin CL; Souza SP; et al, AJNR 1989; **10:** 911
basilar artery thrombosis diagnosed by MR imaging, Martinez HR; Elizondo G; Herrera J; et al, AJNR 1989; **10:** S81
MR imaging of basilar artery occlusion, Knepper L; Biller J; Adams HP Jr; et al, JCAT 1990; **14:** 32

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Arteries, bronchial

anomalous origin of bronchial arteries: potential pitfall of embolotherapy for hemoptysis, McPherson S; Routh WD; Nath H; Keller FS, JVIR 1990; **1:** 86
bronchial arteriography and embolotherapy for hemoptysis in patients with cystic fibrosis, Tonkin ILD; Hanissian AS; Boulden TF; et al, Cardiovasc Intervent Radiol 1991; **14:** 241
bronchial artery embolization for severe hemoptysis in cystic fibrosis, (ab), Sweezey NB; Fellows KE, Radiology 1991; **178:** 291
bronchial artery embolization therapy, Roberts AC, J Thorac Imag 1990; **5-4:** 60
bronchial artery embolization to control hemoptysis in cystic fibrosis, Cohen AM; Doershuk CF; Stern RC, Radiology 1990; **175:** 401
computed tomography of bronchial artery aneurysm with erosion into the esophagus, Shaer AH; Bashist B, JCAT 1989; **13:** 1069
developmental abnormalities in the systemic blood supply to the lungs, Ellis K, AJR 1991; **156:** 669
method for evaluating the bronchial circulation: preliminary observations, Chiles C; Newman GE; Blinder RA, Invest Radiol 1990; **25:** 52
transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

Arteries, calcification

idiopathic infantile arterial calcification: in utero diagnosis, Spear R; Mack LA; Benedetti TJ; et al, J Ultrasound Med 1990; **9:** 473
idiopathic infantile arterial calcification: unusual features, Vera J; Lucaya J; Garcia Conesa JA; et al, Pediatr Radiol 1990; **20:** 585
intrahepatic arterial calcification mimicking pneumobilia: a potential pitfall in the ultrasound evaluation of biliary tract disease, Desai RK; Paushter DM; Armistead J, J Ultrasound Med 1989; **8:** 333
occluding staghorn calcification of the aortic arch and left subclavian artery: case report, Krabbe JK; Hartkamp MJ; van Waes PFGM, Cardiovasc Intervent Radiol 1991; **14:** 121
sonographic appearance and significance of arcuate artery calcification, Occhipinti K; Kutcher R; Rosenblatt R, J Ultrasound Med 1991; **10:** 97

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Arteries, celiac

demonstration of splenic and portal veins at routine celiac angiography: a clinical investigation of metrizoate and ioxaglate, Nilsson PE; Aspelin P, Acta Radiol 1989; **30:** 49
hepatic arterial embolization in cases of extensive celiac arterial stenosis, Hori S; Inoue E; Narumi Y; Fujita M; Kadowaki K, Radiology 1991; **178:** 353
ligamentous compression of the celiac axis: CT findings in five patients, Patten RM; Coldwell DM; Ben-Menachem Y, AJR 1991; **156:** 1101

Arteries, chemotherapeutic embolization

dissolution of isobutyl 2-cyanoacrylate on long-term follow-up, Rao VRK; Mandalam KR; Gupta AK; et al, AJNR 1989; **10:** 135
effect of antimicrobial protection on tolerance to hepatic chemoembolization with a fibrous collagen carrier, Sternlicht M; Daniels JR; Sales SF; Daniels A, Radiology 1989; **170:** 1067
intraarterial administration of lidocaine for analgesia in hepatic chemoembolization, Molgaard CP; Teitelbaum GP; Pentecost MJ; Finck EJ; Davis SH; Dziubinski JE; Daniels JR, JVIR 1990; **1:** 81
liver atrophy after transcatheter arterial embolization and percutaneous ethanol injection therapy for a minute hepatocellular carcinoma, Motoo Y; Okai T; Matsui O; et al, Gastrointest Radiol 1991; **16:** 164
newly developed transarterial chemoembolization material: CDDP–lipiodol suspension, Araki T; Hihara T; Kachi K; et al, Gastrointest Radiol 1989; **14:** 46
recurrent hepatocellular carcinoma after partial hepatectomy: value of treatment with transcatheter arterial chemoembolization, Nakao N; Kamino K; Miura K; et al, AJR 1991; **156:** 1177
regional anesthesia for hepatic arterial embolization, Coldwell DM; Loper KA, Radiology 1989; **172:** 1039
renal cisplatin chemoembolization with Angiostat, Gelfoam, and Ethiodol in the rabbit: renal platinum distributions, Sternlicht M; Sales SF; Daniels JR; Daniels A, Radiology 1989; **170:** 1073
transcatheter oily chemoembolization of hepatocellular carcinoma, Nakamura H; Hashimoto T; Oi H; Sawada S, Radiology 1989; **170:** 783

Arteries, choroidal

anomalous origin of anterior choroidal artery, Hara N; Koike T; Akiyama K; et al, Neuroradiol 1989; **31:** 88
anterior choroidal artery: angiographic analysis of variations and anomalies, Takahashi S; Suga T; Kawata Y; et al, AJNR 1990; **11:** 719
embolization of arteriovenous malformations of the temporal lobe via the anterior choroidal artery, Hodes JE; Aymard A; Casasco A; et al, AJNR 1991; **12:** 775

Arteries, CT

anatomic relationship between the common femoral artery and vein: CT evaluation and clinical significance, Baum PA; Matsumoto AH; Teitelbaum GP; Zuurbier RA; Barth KH, Radiology 1989; **173:** 775

computed tomography in superior mesenteric artery syndrome, Santer R; Young C; Rossi T; et al, Pediatr Radiol 1991; **21:** 154

coronary artery calcifications: significance of incidental detection on CT scans, Moore EH; Greenberg RW; Merrick SH; Miller SW; McLoud TC; Shepard JO, Radiology 1989; **172:** 711

CT anatomy of the internal mammary vessels: importance in planning percutaneous transthoracic procedures, Glassberg RM; Sussman SK; Glickstein MF, AJR 1990; **155:** 397

CT diagnosis of spontaneous dissection of the superior mesenteric artery, Corbetti F; Vigo M; Bulzacchi A; et al, JCAT 1989; **13:** 965

pancreatic adenocarcinoma: are there pathognomonic changes in the fat surrounding the superior mesenteric artery?, Baker ME, Radiology 1991; **180:** 613

pulsatile masses surrounding vascular prostheses: real-time US color flow imaging, Polak JF; Donaldson MC; Whittemore AD; Mannick JA; O'Leary DH, Radiology 1989; **170:** 363

root of the superior mesenteric artery in pancreatitis and pancreatic carcinoma: evaluation with CT, Schulte SJ; Baron RL; Freeny PC; Patten RM; Gorell HA; Maclin ML, Radiology 1991; **180:** 659

subclavian triangle: CT analysis, Wechsler RJ; Rao VM; Newman LM, AJR 1989; **152:** 313

Arteries, extremities

acceleration of thrombolysis with a high-dose transthrombus bolus technique, Sullivan KL; Gardiner GA Jr; Shapiro MJ; Bonn J; Levin DC, Radiology 1989; **173:** 805

angiographic assessment of arterial outflow: predictive value of a new classification system, Stein M; Ameli MF; Gray R; Elliott D; Grosman H; Aro L, JVIR 1991; **2:** 365

angioplasty and stenting of completely occluded iliac arteries, Rees CR; Palmaz JC; Garcia O; Roeren T; Richter GM; Gardiner G Jr; Schwarten DE; Schatz RA; Root HD; Rogers W, Radiology 1989; **172:** 953

antegrade puncture of the femoral artery: morphologic study, Spijkerboer AM; Scholten FG; Mali WPTM; van Schaik JPJ, Radiology 1990; **176:** 57

arterial occlusive disease below the knee, Lipchik EO, Radiology 1989; **171:** 283

arterial occlusive disease below the knee: reply, Schwarten DE, Radiology 1989; **171:** 283

aspiration catheter for percutaneous thrombectomy: clinical results, Günther RW; Vorwerk D, Radiology 1990; **175:** 271

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; **170:** 391

blue toe syndrome: treatment with percutaneous atherectomy, Dolmatch BL; Rholl KS; Moskowitz LB; Dake MD; van Breda A; Kaplan JO; Katzen BT, Radiology 1989; **173:** 799

case report: percutaneous angioplasty of the superior gluteal artery in the treatment of buttock claudication, Cook AM; Dyet JF, Clin Radiol 1990; **41:** 63

clinical utility of laser recanalization in occluded peripheral arteries, Bonn J, Radiology 1991; **178:** 323

computer analysis and pattern recognition of Doppler blood flow spectra for disease classification in the lower limb arteries, Allard L; Langlois YE; Durand L-G; et al, Ultrasound Med Biol 1991; **17:** 211

determination of the extent of lower-extremity peripheral arterial disease with color-assisted duplex sonography: comparison with angiography, Polak JF; Karmel MI; Mannick JA; et al, AJR 1990; **155:** 1085

directional peripheral atherectomy: histopathologic aspects of a new interventional technique, Johnson DE, JVIR 1990; **1:** 29

duplex and color-flow imaging of the lower extremity arterial circulation, Zierler RE, Semin US CT MR 1990; **11:** 168

efficacy of the dorsal pedal bypass for limb salvage in diabetic patients: short-term observations, (ab), Pomposelli FB Jr; Jepsen SJ; Gibbons GW; et al, Radiology 1990; **177:** 894

evaluation of the peripheral arteries with duplex US after angioplasty, Sacks D; Robinson ML; Marinelli DL; Perlmutter GS, Radiology 1990; **176:** 39

expandable tubular stents for treatment of arterial occlusive diseases: experimental and clinical results. work in progress, Strecker E-P; Liermann D; Barth KH; Wolf HRD; Freudenberg N; Berg G; Westphal M; Tsikuras P; Savin M; Schneider B, Radiology 1990; **175:** 97

extremity osteosarcomas: intraarterial chemotherapy and limb-sparing resection with 2-year follow-up, Kashdan BJ; Sullivan KL; Lackman RD; Shapiro MJ; Bonn J; Weiss AJ; Gardiner GA Jr, Radiology 1990; **177:** 95

fate of patients undergoing transluminal angioplasty for lower-limb ischemia, Jeans WD; Armstrong S; Cole SEA; Horrocks M; Baird RN, Radiology 1990; **177:** 559

femoropopliteal arterial occlusions: laser-assisted versus conventional percutaneous transluminal angioplasty, Odink HF; de Valois HC; Eikelboom BC, Radiology 1991; **181:** 61

fibrinolytic therapy for upper-extremity arterial occlusions, Widlus DM; Venbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr, Radiology 1990; **175:** 393

fibrinolytic therapy for upper extremity occlusions, Morse MH; Baker AR, Radiology 1991; **178:** 580

five-year results of iliac and femoropopliteal angioplasty in diabetic patients, Stokes KR; Strunk HM; Campbell DR; Gibbons GW; Wheeler HG; Clouse ME, Radiology 1990; **174:** 977

iliac and femoral artery stenoses and occlusions: treatment with intravascular stents, Günther RW; Vorwerk D; Bohndorf K; Peters I; El-Din A; Messmer B, Radiology 1989; **172:** 725

imaging of the digital arteries: digital subtraction angiography versus conventional arteriography, Menanteau BP; Treutenaere JM; Marcus C; et al, J Canad Assoc Radiol 1989; **40:** 34

infrapopliteal and below-knee popliteal lesions: treatment with sole laser thermal angioplasty. work in progress, Sanborn TA; Mitty HA; Train JS; Dan SJ, Radiology 1989; **172:** 89

initial results of laser recanalization in lower-extremity arterial reconstruction, (ab), Seeger JM; Abela GS; Silverman SH; et al, Radiology 1989; **172:** 887

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; **176:** 523

laser angioplasty: results of a prospective, multicenter study at 3-year follow-up, Lammer J; Pilger E; Karnel F; Schurawitzki H; Horvath W; Riedl M; Umek H; Klein GE; Schreyer H; Kretschmer G; Haidinger D; Partsch H, Radiology 1991; **178:** 335

laser ring catheters in excimer laser angioplasty, Duda SH; Karsch KR; Haase KK; Huppert PE; Claussen CD, Radiology 1990; **175:** 269

lower-extremity in situ saphenous vein grafts: angiographic interventions, Sniderman KW; Kalman PG; Shewchun J; Goldberg REA, Radiology 1989; **170:** 1023

low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Vallbracht C; Liermann DD; Prignitz J; Beinborn W; Roth FJ; Kollath J; Landgraf H; Kaltenbach M, Radiology 1989; **172:** 327

mechanical revascularization of occluded iliac arteries with use of self-expandable endoprostheses, Vorwerk D; Günther RW, Radiology 1990; **175:** 411

medial brachial fascial compartment syndrome: anatomic basis of neuropathy after transaxillary arteriography, Smith DC; Mitchell DA; Peterson GW; Will AD; Mera SS; Smith LL, Radiology 1989; **173:** 149

new balloon-through-balloon angioplasty technique for the treatment of segmental lesions, Selby JB Jr; Tegtmeyer CJ, Radiology 1990; **177:** 276

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; **170:** 921

occluded peripheral arteries: clinical utility of argon laser recanalization, Allen B; Loflin TG; Embry BM; Gaskin TA; Isobe JH; Martin RG, Radiology 1990; **176:** 543

Palmaz vascular stent: initial clinical experience, Bonn J; Gardiner GA Jr; Shapiro MJ; Sullivan KL; Levin DC, Radiology 1990; **174:** 741

percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS, Radiology 1989; **172:** 331

percutaneous intravascular US as adjunct to catheter-based interventions: preliminary experience in patients with peripheral vascular disease, Isner JM; Rosenfield K; Losordo DW; Kelly S; Palefski P; Langevin RE; Razvi S; Pastore JO; Kosowsky BD, Radiology 1990; **175:** 61

percutaneous management of abscesses that involve native arteries or synthetic arterial grafts, Lambiase RE; Dorfman GS; Cronan JJ, Radiology 1989; **173:** 815

percutaneous placement of a balloon-expandable intraluminal graft for life-threatening subclavian arterial hemorrhage, Becker GJ; Benenati JF; Zemel G; Sallee DS; Suarez CA; Roeren TK; Katzen BT, JVIR 1991; **2:** 225

percutaneous transluminal angioplasty of crural arteries, Horvath W; Oertl M; Haidinger D, Radiology 1990; **177:** 565

peripheral arterial obstructions: analysis of patency 1 year after laser-assisted transluminal angioplasty, Nordstrom LA; Castaneda-Zuniga WR; Von Seegern KB, Radiology 1991; **181:** 515

peripheral arterial occlusions: initial results from percutaneous angioplasty with a hybrid laser probe, Belli A-M; Cumberland DC; Myler RK; Crew JR; Stertzer SH, Radiology 1990; **174:** 447

peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM, Radiology 1991; **178:** 695

peripheral atherectomy: experimental results with a new device, Nakagawa N; Cragg AH; Smith TP; Landas SK; De Jong SC, JVIR 1990; **1:** 127

peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Belli A-M; Procter AE; Cumberland DC, Radiology 1990; **176:** 539

phentolamine for enhanced visualization of distal arteries in lower extremity arteriography, Duprat G Jr; Mérette G; Roy P, J Canad Assoc Radiol 1989; **40:** 32

placement of balloon-expandable intraluminal stents in iliac arteries: first 171 procedures, Palmaz JC; Garcia OJ; Schatz RA; Rees CR; Roeren T; Richter GM; Noeldge G; Gardiner GA Jr; Becker GJ; Walker C; Stagg J; Katzen BT; Dake MD; Paolini RM; McLean GK; Lammer J; Schwarten DE; Tio FO; Root HD; Rogers W, Radiology 1990; **174:** 969

platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A, Radiology 1989; **170:** 767

popliteal artery entrapment: findings at MR imaging, McGuinness G; Durham JD; Rutherford RB; Thickman D; Kumpe DA, JVIR 1991; **2:** 241

popliteal artery hemodynamics: MR imaging—US correlation, Dousset V; Wehrli FW; Louie A; Listerud J, Radiology 1991; **179:** 437

pull-through approach to percutaneous angioplasty of totally occluded common iliac arteries, Ginsburg R; Thorpe P; Bowles CR; Wright AM; Wexler L, Radiology 1989; **172:** 111

Raynaud's disease in childhood with radiological features, Shono T; Okadome K; Naritomi G; et al, Br J Radiol 1990; **63:** 364

recanalization of total arterial occlusions with the Kensey dynamic angioplasty catheter, Wholey MH; Smith JAM; Godlewski P; Nagurka M, Radiology 1989; **172:** 95

regional infusion of urokinase into occluded lower-extremity bypass grafts: long-term clinical results, Durham JD; Geller SC; Abbott WM; Shapiro H; Waltman AC; Walker TG; Brewster DC; Athanasoulis CA, Radiology 1989; **172:** 83

relative cost-effectiveness of urokinase versus streptokinase in the treatment of peripheral vascular disease, van Breda A; Graor RA; Katzen BT; Risius B; Gillings D, JVIR 1991; **2:** 77

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, JVIR 1991; **2:** 169

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, Radiology 1991; **181:** 277

technical success, clinical success, and patency in laser angioplasty, Sanborn TA, Radiology 1989; **170:** 576

technical success, clinical success, and patency in laser angioplasty: reply, Nordstrom LA, Radiology 1989; **170:** 577

technical success, clinical success, and patency in laser angioplasty, Jeans WD, Radiology 1989; **173:** 572

techniques for lower-limb angiography: a comparative study, Smith TP; Cragg AH; Berbaum KS; Ryals TJ; Sato Y, Radiology 1990; **174:** 951

thrombectomy with the transluminal endarterectomy catheter (TEC) system: experimental study and case report, Yedlicka JW Jr; Carlson JE; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; **2:** 343

total occlusions of the femoropopliteal artery: high technical success rate of conventional balloon angioplasty, Morgenstern BR; Getrajdman GI; Laffey KJ; Bixon R; Martin EC, Radiology 1989; **172:** 937

treatment of femoropopliteal stenoses by means of self-expandable endoprostheses: midterm results, Rousseau HP; Raillat CR; Joffre FG; Knight CJ; Ginestet MC, Radiology 1989; **172:** 961

two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial, Cragg AH; Smith TP; Corson JD; Nakagawa N; Castaneda F; Kresowik TF; Sharp WJ; Shamma A; Berbaum KS, Radiology 1991; **178:** 681

urokinase infusion: feasibility of monitoring for complications in a non-intensive care setting, Routh WD; Tatum CM; Barton RE; Gross GM; McDowell HA; Keller FS, JVIR 1991; **2:** 69

value of laser-assisted angioplasty in the community hospital, Levy JM; Hessel SJ; Horsley WW; Cook GC; Dickey JE, Radiology 1989; **170:** 1017

value of laser-assisted angioplasty in the community hospital, Diethrich EB, Radiology 1989; **173:** 877

value of laser-assisted angioplasty in the community hospital: reply, Hessel SJ; Levy JM; Dickey JE; Horsley WW; Cook GC, Radiology 1989; **173:** 877

Arteries, femoral

See also Arteries, extremities

anatomic relationship between the common femoral artery and vein: CT evaluation and clinical significance, Baum PA; Matsumoto AH; Teitelbaum GP; Zuurbier RA; Barth KH, Radiology 1989; **173:** 775

angiographic assessment of arterial outflow: predictive value of a new classification system, Stein M; Ameli MF; Gray R; Elliott D; Grosman H; Aro L, JVIR 1991; **2:** 365

angioplasty from the contralateral approach: use of a guiding catheter and coaxial angioplasty balloons, Kaufman SL, Radiology 1990; **177:** 577

antegrade puncture of the femoral artery: morphologic study, Spijkerboer AM; Scholten FG; Mali WPTM; van Schaik JPJ, Radiology 1990; **176:** 57

antegrade selective catheterization of femoral vessels with a 4- or 5-F catheter and safety wire, Sacks D; Summers TA, JVIR 1991; **2:** 325

arterial stent placement with use of the Wallstent: midterm results of clinical experience, Zollikofer CL; Antonucci F; Pfyffer M; Redha F; Salomonowitz E; Stuckmann G; Largiadèr I; Marty A, Radiology 1991; **179:** 449

catheter for conversion of retrograde to antegrade femoral artery catheterization, Patel YD, AJR 1990; **154:** 179

comparison of balloon angioplasty and laser thermal angioplasty in the treatment of femoropopliteal atherosclerotic disease: initial results of a prospective randomized trial: work in progress, Spies JB; LeQuire MH; Brantley SD; Williams JE; Beckett WC; Mills JL, JVIR 1990; **1:** 39

delayed common femoral artery stenosis due to blunt trauma, Kioumehr F; Yaghmai I; Bakody P, J Canad Assoc Radiol 1989; **40:** 324

double-guide-wire access through a single 6-F vascular sheath, Teitelbaum GP; Joseph GJ; Matsumoto AH; Barth KH, Radiology 1989; **173:** 871

femoral arterial injury following catheterization: duplex evaluation, Sacks D; Robinson ML; Perlmutter GS, J Ultrasound Med 1989; **8:** 241

femoropopliteal arterial occlusions: laser-assisted versus conventional percutaneous transluminal angioplasty, Odink HF; de Valois HC; Eikelboom BC, Radiology 1991; **181:** 61

five-year results of iliac and femoropopliteal angioplasty in diabetic patients, Stokes KR; Strunk HM; Campbell DR; Gibbons GW; Wheeler HG; Clouse ME, Radiology 1990; **174:** 977

iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB, Radiology 1989; **170:** 749

iliac and femoral artery stenoses and occlusions: treatment with intravascular stents, Günther RW; Vorwerk D; Bohndorf K; Peters I; El-Din A; Messmer B, Radiology 1989; **172:** 725

in vivo evaluation of femoral blood flow measured with magnetic resonance, Henriksen O; Ståhlberg F; Thomsen C; et al, Acta Radiol 1989; **30:** 153

LaPlace transform analysis of femoral artery Doppler signals: the state of the art, Baker JD; Skidmore R; Cole SEA, Ultrasound Med Biol 1989; **15:** 13

lower-extremity vascular grafts placed for peripheral vascular disease: prospective evaluation with duplex Doppler sonography, Gooding GAW; Perez S; Rapp JH; Krupski WC, Radiology 1991; **180:** 379

low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Vallbracht C; Liermann DD; Prignitz I; Beinborn W; Roth FJ; Kollath J; Landgraf H; Kaltenbach M, Radiology 1989; **172:** 327

new approach to percutaneous transluminal angioplasty of profunda femoris origin stenosis, Dacie JE; Tennant D, Cardiovasc Intervent Radiol 1990; **13:** 67

new catheter configuration for selective antegrade catheterization of the superficial femoral artery: technical note, Bohndorf K; Günther RW, Cardiovasc Intervent Radiol 1991; **14:** 129

occlusive peripheral vascular disease: a multicenter trial of fluorescence-guided, pulsed dye laser-assisted balloon angioplasty, Douek PC; Leon MB; Geschwind H; Cook PS; Selzer P; Miller DL; Bonner RF, Radiology 1991; **180:** 127

outpatient transfemoral angiography with a two-hour observation period, Millward SF; Marsh JI; Peterson RA, Cardiovasc Intervent Radiol 1989; **12:** 290

percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS, Radiology 1989; **172:** 331

percutaneous femoral artery puncture: practice and anatomy, Grier D; Hartnell GG, Br J Radiol 1990; **63:** 602

percutaneous transluminal angioplasty of occlusions of the femoral and popliteal arteries by subintimal dissection, Bolia A; Miles KA; Brennan J; et al, Cardiovasc Intervent Radiol 1990; **13:** 357

peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Belli A-M; Procter AE; Cumberland DC, Radiology 1990; **176:** 539

randomized trial of laser-assisted passage through occluded femoro-popliteal arteries, Jeans WD; Murphy P; Hughes AO; et al, Br J Radiol 1990; **63:** 19

real-time and image-directed Doppler ultrasonography in deep femoral artery pseudoaneurysm: a new observation with graded compression of the femoral artery, Chou Y-H; Tiu C-M; Chiang BN; et al, JCU 1991; **19:** 438

"retroantegrade" catheterization of the branches of the femoral artery: technical note, Giavroglou CE, Cardiovasc Intervent Radiol 1989; **12:** 337

short vein grafts in limb-saving arterial reconstructions, Veith FJ; Gupta SK; Wengerter KR; Farrell E, JVIR 1990; **1:** 57

total occlusions of the femoropopliteal artery: high technical success rate of conventional balloon angioplasty, Morgenstern BR; Getrajdman GI; Laffey KJ; Bixon R; Martin EC, Radiology 1989; **172:** 937

total peripheral artery occlusions: conventional versus laser thermal recanalization with a hybrid probe in percutaneous angioplasty—results of a randomized trial, Belli A-M; Cumberland DC; Procter AE; Welsh CL, Radiology 1991; **181:** 57

ultrasonic measurement of superficial femoral artery wall thickness, Beach KW; Isaac CA; Phillips DJ; et al, Ultrasound Med Biol 1989; **15:** 723

ultrasound demonstration of a superficial femoral artery leiomyosarcoma, Gramith F; Smith L, J Ultrasound Med 1989; **8:** 269

use of double guidewires through a single vascular sheath for obtaining profunda femoris arterial access: technical note, Zito AJ; Teitelbaum GP; Matsumoto AH; et al, Cardiovasc Intervent Radiol 1990; **13:** 113

US location of the adductor canal hiatus: morphologic study, Scholten FG; Mali WPTM; Hillen B; van Leeuwen MS, Radiology 1989; **172:** 75

value of laser-assisted angioplasty in the community hospital, Levy JM; Hessel SJ; Horsley WW; Cook GC; Dickey JE, Radiology 1989; **170:** 1017

value of laser-assisted angioplasty in the community hospital, Diethrich EB, Radiology 1989; **173:** 877

value of laser-assisted angioplasty in the community hospital: reply, Hessel SJ; Levy JM; Dickey JE; Horsley WW; Cook GC, Radiology 1989; **173:** 877

Arteries, fibrodysplasia

angiodysplasia associated with Meckel's diverticulum: case report, Katz MD; Teitelbaum GP, Cardiovasc Intervent Radiol 1991; **14:** 188

angiodysplasia: characterization, diagnosis, and advances in treatment, (ab), Helmrich GA; Stallworth JR; Brown JJ, JVIR 1991; **2:** 418

clinical spectrum of symptomatic external iliac fibromuscular dysplasia, (ab), Sauer L; Reilly LM; Goldstone J; et al, JVIR 1991; **2:** 290

clinical spectrum of symptomatic external iliac fibromuscular dysplasia, (ab), Sauer L; Reilly LM; Goldstone J; et al, Radiology 1991; **179:** 295

fibromuscular dysplasia of common carotid artery: a case report, Phadke RV; Taori KB; Divekar VK; et al, Australas Radiol 1990; **34:** 350

malignant 'angiodysplasia', Belli A-M; Hemingway AP, Clin Radiol 1991; **44:** 31

Arteries, flow dynamics

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Arteries, gastric

gastric and hepatic infarction following embolization of the left gastric artery: case report, Brown KT; Friedman WN; Marks RA; Saddekni S, Radiology 1989; **172:** 731

massive arterial hemorrhage from the stomach and lower esophagus: impact of embolotherapy on survival, Lang EV; Picus D; Marx MV; Hicks ME, Radiology 1990; **177:** 249

pseudoaneurysm of the inferior epigastric artery: diagnosis and percutaneous treatment, Gage TS; Sussman SK; Conard FU III; et al, AJR 1990; **155:** 529

Arteries, grafts and prostheses

acceleration of thrombolysis with a high-dose transthrombus bolus technique, Sullivan KL; Gardiner GA Jr; Shapiro MJ; Bonn J; Levin DC, Radiology 1989; **173:** 805

angiographic criteria for prediction of early graft failure of secondary infrainguinal bypass surgery, (ab), Karacagil S; Almgren B; Bowald S; et al, JVIR 1991; **2:** 289

angiographic follow-up after placement of a self-expanding coronary artery stent, (ab), Serruys PW; Strauss BH; Beatt KJ; et al, JVIR 1991; **2:** 294

angioplasty and stenting of completely occluded iliac arteries, Rees CR; Palmaz JC; Garcia O; Roeren T; Richter GM; Gardiner G Jr; Schwarten DE; Schatz RA; Root HD; Rogers W, Radiology 1989; **172:** 953

aortic bifurcation stenosis: treatment with intravascular stents, Palmaz JC; Encarnacion CE; Garcia OJ; Schatz RA; Rivera FJ; Laborde JC; Dougherty SP, JVIR 1991; **2:** 319

aortobifemoral perigraft abscess: treatment by percutaneous catheter drainage, (ab), Tobin KD, Radiology 1989; **171:** 884

arterial stent placement with use of the Wallstent: midterm results of clinical experience, Zollikofer CL; Antonucci F; Pfyffer M; Redha F; Salomonowitz E; Stuckmann G; Largiadèr I; Marty A, Radiology 1991; **179:** 449

canine model of paired graft thrombosis, Hicks M; McGraw D; Rubin B; et al, Invest Radiol 1991; **26:** 254

cardiovascular/interventional radiology: RSNA '90 meeting notes, Hunter DW; Castañeda F; Cragg AH; Darcy MD; Hu X; Longley DG; Martin LG; Matalon T; Steinberg F; Stillman A; Thorpe P; Vogelzang RL, Radiology 1991; **178:** 918

carotid-subclavian bypass: a decade of experience, (ab), Perler BA; Williams GM, JVIR 1991; **2:** 300

carotid-subclavian bypass: a decade of experience, (ab), Perler BA; Williams GM, Radiology 1991; **181:** 294

early detection of saphenous vein arterial bypass graft stenosis by color-assisted duplex sonography: a prospective study, Polak JF; Donaldson MC; Dobkin GR; et al, AJR 1990; **154:** 857

efficacy of the dorsal pedal bypass for limb salvage in diabetic patients: short-term observations, (ab), Pomposelli FB Jr; Jepsen SJ; Gibbons GW; et al, Radiology 1990; **177:** 894

evaluation of ferromagnetism and magnetic resonance imaging artifacts of the Strecker tantalum vascular stent, Teitelbaum GP; Raney M; Carvlin MJ; et al, Cardiovasc Intervent Radiol 1989; **12:** 125

expandable tubular stents for treatment of arterial occlusive diseases: experimental and clinical results. work in progress, Strecker E-P; Liermann D; Barth KH; Wolf HRD; Freudenberg N; Berg G; Westphal M; Tsikuras P; Savin M; Schneider B, Radiology 1990; **175:** 97

fibrinolytic therapy in peripheral arterial grafts utilizing the "crossed two catheter" technique, Shewchun J; Sniderman KW, Cardiovasc Intervent Radiol 1989; **12:** 110

flexible tantalum stents implanted in aortas and iliac arteries: effects in normal canines, Barth KH; Virmani R; Strecker EP; Savin MA; Lindisch D; Matsumoto AH; Teitelbaum GP, Radiology 1990; **175:** 91

iliac and femoral artery stenoses and occlusions: treatment with intravascular stents, Günther RW; Vorwerk D; Bohndorf K; Peters I; El-Din A; Messmer B, Radiology 1989; **172:** 725

iliac artery endoprosthesis: radiologic and histologic findings after 2 years, Rousseau HP; Joffre FG; Raillat CR; et al, AJR 1989; **153:** 1075

iliac artery stenosis and occlusion: preliminary results of treatment Gianturco with expandable metallic stents, Kichikawa K; Uchida H; Yoshioka T; Maeda M; Nishimine K; Kubota Y; Sakaguchi S; Ohishi H; Iwasaki S, Radiology 1990; **177:** 799

image-directed Doppler ultrasonography in the management of failing infrainguinal bypass grafts, Basile RM; Waters BD; Curletti EL, JCU 1990; **18:** 132

initial experience with color-flow duplex scanning of infrainguinal bypass grafts, (ab), Londrey GL; Hodgson KJ; Spadone DP; et al, Radiology 1991; **178:** 899

lower-extremity in situ saphenous vein grafts: angiographic interventions, Sniderman KW; Kalman PG; Shewchun J; Goldberg REA, Radiology 1989; **170:** 1023

lower-extremity vascular grafts placed for peripheral vascular disease: prospective evaluation with duplex Doppler sonography, Gooding GAW; Perez S; Rapp JH; Krupski WC, Radiology 1991; **180:** 379

mechanical revascularization of occluded iliac arteries with use of self-expandable endoprostheses, Vorwerk D; Günther RW, Radiology 1990; **175:** 411

mediastinal mass after coronary artery bypass surgery with internal mammary artery grafts, Benya EC; Joseph AE; Nemcek AA Jr, J Thorac Imag 1991; **6-2:** 40

Palmaz stent in atherosclerotic stenoses involving the ostia of the renal arteries: preliminary report of a multicenter study, Rees CR; Palmaz JC; Becker GJ; Ehrman KO; Richter GM; Noeldge G; Katzen BT; Dake MD; Schwarten DE, Radiology 1991; **181:** 507

Palmaz vascular stent: initial clinical experience, Bonn J; Gardiner GA Jr; Shapiro MJ; Sullivan KL; Levin DC, Radiology 1990; **174:** 741

percutaneous iliac artery stent: angiographic long-term follow-up, Long AL; Page PE; Raynaud AC; Beyssen BM; Fiessinger JN; Ducimetière P; Relland JY; Gaux JC, Radiology 1991; **180:** 771

percutaneous placement of a balloon-expandable intraluminal graft for life-threatening subclavian arterial hemorrhage, Becker GJ; Benenati JF; Zemel G; Sallee DS; Suarez CA; Roeren TK; Katzen BT, JVIR 1991; **2:** 225

placement of balloon-expandable intraluminal stents in iliac arteries: first 171 procedures, Palmaz JC; Garcia OJ; Schatz RA; Rees CR; Roeren T; Richter GM; Noeldge G; Gardiner GA Jr; Becker GJ; Walker C; Stagg J; Katzen BT; Dake MD; Paolini RM; McLean GK; Lammer J; Schwarten DE; Tio FO; Root HD; Rogers W, Radiology 1990; **174:** 969

pre- and postoperative imaging of vascularized fibular grafts, Manaster BJ; Coleman DA; Bell DA, Radiology 1990; **176:** 161

pulsatile masses surrounding vascular prostheses: real-time US color flow imaging, Polak JF; Donaldson MC; Whittemore AD; Mannick JA; O'Leary DH, Radiology 1989; **170:** 363

regional infusion of urokinase into occluded lower-extremity bypass grafts: long-term clinical results, Durham JD; Geller SC; Abbott WM; Shapiro H; Waltman AC; Walker TG; Brewster DC; Athanasoulis CA, Radiology 1989; **172:** 83

relative cost-effectiveness of urokinase versus streptokinase in the treatment of peripheral vascular disease, van Breda A, Graor RA; Katzen BT; Risius B; Gillings D, JVIR 1991; **2:** 77

removal of intimal hyperplasia in vascular endoprostheses by atherectomy and balloon dilatation, Vorwerk D; Günther RW, AJR 1990; **154:** 617

renal artery stenosis: preliminary results of treatment with the Strecker stent, Kuhn F-P; Kutkuhn B; Torsello G; Mödder U, Radiology 1991; **180:** 367

renal artery stent placement with use of the Wallstent endoprosthesis, Wilms GE; Peene PT; Baert AL; Nevelsteen AA; Suy RM; Verhaeghe RH; Vermylen JG; Fagard RH, Radiology 1991; **179:** 457

runoff resistance and early graft failure in intrainguinal bypass surgery, (ab), Peterkin GA; LaMorte WW; Menzoian JO, Radiology 1989; **171:** 886

salvage of occluded arterial bypass grafts by means of thrombolysis, (ab), Gardiner GA Jr; Harrington DP; Koltun W; et al, Radiology 1989; **173:** 293

short vein grafts in limb-saving arterial reconstructions, Veith FJ; Gupta SK; Wengerter KR; Farrell E, JVIR 1990; **1:** 57

tantalum vascular stents: in vivo evaluation with MR imaging, Matsumoto AH; Teitelbaum GP; Barth KH; Carvlin MJ; Savin MA; Strecker EP, Radiology 1989; **170:** 753

thrombectomy with the transluminal endarterectomy catheter (TEC) system: experimental study and case report, Yedlicka JW Jr; Carlson JE; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; **2:** 343

transluminal angioplasty of failing infrainguinal arterial by-pass grafts: initial and long-term results in 13 patients, Laissy J-P; Peillon C; Clavier E; et al, Cardiovasc Intervent Radiol 1990; **13:** 14

treatment of femoropopliteal stenoses by means of self-expandable endoprostheses: midterm results, Rousseau HP; Raillat CR; Joffre FG; Knight CJ; Ginestet MC, Radiology 1989; **172:** 961

treatment of iliac artery stenoses with the Wallstent endoprosthesis, Raillat C; Rousseau H; Joffre F; et al, AJR 1990; **154:** 613

urokinase infusion: feasibility of monitoring for complications in a non-intensive care setting, Routh WD; Tatum CM; Barton RE; Gross GM; McDowell HA; Keller FS, JVIR 1991; **2:** 69

Arteries, hepatic

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Arteries, iliac

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acute traumatic dissection of the common iliac arteries with spontaneous healing: case report, Herskowitz MM; Sclafani SJA, Cardiovasc Intervent Radiol 1990; **13:** 364

angioplasty and stenting of completely occluded iliac arteries, Rees CR; Palmaz JC; Garcia O; Roeren T; Richter GM; Gardiner G Jr; Schwarten DE; Schatz RA; Root HD; Rogers W, Radiology 1989; **172:** 953

angioplasty-induced dissections in human iliac arteries: management with Palmaz balloon-expandable intraluminal stents, Becker GJ; Palmaz JC; Rees CR; Ehrman KO; Lalka SG; Dalsing MC; Cikrit DF; McLean GK; Burke DR; Richter GM; Noeldge G; Garcia O; Waller BF; Castaneda-Zuniga WR, Radiology 1990; **176:** 31

aortic bifurcation stenosis: treatment with intravascular stents, Palmaz JC; Encarnacion CE; Garcia OJ; Schatz RA; Rivera FJ; Laborde JC; Dougherty SP, JVIR 1991; **2:** 319

arterial stent placement with use of the Wallstent: midterm results of clinical experience, Zollikofer CL; Antonucci F; Pfyffer M; Redha F; Salomonowitz E; Stuckmann G; Largiadèr I; Marty A, Radiology 1991; **179:** 449

atherosclerotic rabbit iliac arteries: comparison of balloon angioplasty and laser-assisted balloon angioplasty, Consigny PM; Gardiner GA Jr, JVIR 1991; **2:** 253

case report: iliac artery rupture during percutaneous angioplasty, Chong WK; Cross FW; Raphael MJ, Clin Radiol 1990; **41:** 358

clinical spectrum of symptomatic external iliac fibromuscular dysplasia, (ab), Sauer L; Reilly LM; Goldstone J; et al, JVIR 1991; **2:** 290

distal bowel infarction following angioplasty of the internal iliac artery, Bennett IC; Downes MO; Collins REC, Br J Radiol 1989; **62:** 489

five-year results of iliac and femoropopliteal angioplasty in diabetic patients, Stokes KR; Strunk HM; Campbell DR; Gibbons GW; Wheeler HG; Clouse ME, Radiology 1990; **174:** 977

flexible tantalum stents implanted in aortas and iliac arteries: effects in normal canines, Barth KH; Virmani R; Strecker EP; Savin MA; Lindisch D; Matsumoto AH; Teitelbaum GP, Radiology 1990; **175:** 91

iliac and femoral artery stenoses and occlusions: treatment with intravascular stents, Günther RW; Vorwerk D; Bohndorf K; Peters I; El-Din A; Messmer B, Radiology 1989; **172:** 725

iliac artery endoprosthesis: radiologic and histologic findings after 2 years, Rousseau HP; Joffre FG; Raillat CR; et al, AJR 1989; **153:** 1075

iliac artery stenosis and occlusion: preliminary results of treatment Gianturco with expandable metallic stents, Kichikawa K; Uchida H; Yoshioka T; Maeda M; Nishimine K; Kubota Y; Sakaguchi S; Ohishi H; Iwasaki S, Radiology 1990; **177:** 799

iliac artery stenosis causing renal allograft-mediated hypertension: angiographic diagnosis and treatment, Weigele JB, AJR 1991; **157:** 513

iliac artery stenosis or obstruction after unsuccessful balloon angioplasty: treatment with a self-expandable stent, Günther RW; Vorwerk D; Antonucci F; et al, AJR 1991; **156:** 389

internal iliac artery: embolization to control hemorrhage from pelvic neoplasms, Pisco JM; Martins JM; Correia MG, Radiology 1989; **172:** 337

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; **176:** 523

long-term results of aortoiliac reconstruction, Brothers TE; Greenfield LJ, JVIR 1990; **1:** 49

long-term results of combined iliac balloon angioplasty and distal surgical revascularization, (ab), Brewster DC; Cambria RP; Darling RC; et al, Radiology 1990; **175:** 293

low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Vallbracht C; Liermann DD; Prignitz I; Beinborn W; Roth FJ; Kollath J; Landgraf H; Kaltenbach M, Radiology 1989; **172:** 327

mechanical revascularization of occluded iliac arteries with use of self-expandable endoprostheses, Vorwerk D; Günther RW, Radiology 1990; **175:** 411

occlusive peripheral vascular disease: a multicenter trial of fluorescence-guided, pulsed dye laser-assisted balloon angioplasty, Douek PC; Leon MB; Geschwind H; Cook PS; Selzer P; Miller DL; Bonner RF, Radiology 1991; **180:** 127

Palmaz vascular stent: initial clinical experience, Bonn J; Gardiner GA Jr; Shapiro MJ; Sullivan KL; Levin DC, Radiology 1990; **174:** 741

percutaneous transluminal angioplasty of stenosis at the common iliac artery origin using a single-balloon technique, Millward SF; Jaward MA; Henderson DR, J Canad Assoc Radiol 1989; **40:** 38

peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM, Radiology 1991; **178:** 695

peripheral atherectomy: experimental results with a new device, Nakagawa N; Cragg AH; Smith TP; Landas SK; De Jong SC, JVIR 1990; **1:** 127

peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Belli A-M; Procter AE; Cumberland DC, Radiology 1990; **176:** 539

placement of balloon-expandable intraluminal stents in iliac arteries: first 171 procedures, Palmaz JC; Garcia OJ; Schatz RA; Rees CR; Roeren T; Richter GM; Noeldge G; Gardiner GA Jr; Becker GJ; Walker C; Stagg J; Katzen BT; Dake MD; Paolini RM; McLean GK; Lammer J; Schwarten DE; Tio FO; Root HD; Rogers W, Radiology 1990; **174:** 969

pull-through approach to percutaneous angioplasty of totally occluded common iliac arteries, Ginsburg R; Thorpe P; Bowles CR; Wright AM; Wexler L, Radiology 1989; **172:** 111

rapid, accurate, noninvasive technique for diagnosing critical and subcritical stenoses in aortoiliac arteries, (ab), Sawchuk AP; Flanigan DP; Tober JC; et al, Radiology 1991; **178:** 590

total peripheral artery occlusions: conventional versus laser thermal recanalization with a hybrid probe in percutaneous angioplasty—results of a randomized trial, Belli A-M; Cumberland DC; Procter AE; Welsh CL, Radiology 1991; **181:** 57

treatment of iliac artery stenoses with the Wallstent endoprosthesis, Raillat C; Rousseau H; Joffre F; et al, AJR 1990; **154:** 613

triple catheter aortoiliac angioplasty in a patient with a horseshoe kidney: technical note, Matsumoto AH; Baum PA; Barth KH; et al, Cardiovasc Intervent Radiol 1989; **12:** 334

use of a reperfusion catheter after angioplasty dissection for salvage of ischemic renal allograft: case report, Kim D; Porter DH; Siegel JB; et al, Cardiovasc Intervent Radiol 1991; **14:** 179

Arteries, inflammation

See Arteritis

Arteries, injuries

acute traumatic dissection of the common iliac arteries with spontaneous healing: case report, Herskowitz MM; Sclafani SJA, Cardiovasc Intervent Radiol 1990; **13:** 364

angioplasty after laser perforation, Reekers JA; Sprangers RLH; van de Kley AJ, Cardiovasc Intervent Radiol 1991; **14:** 113

case report 642, Morris CS; Lloyd T, Skeletal Radiol 1990; **19:** 607

coexisting false aneurysms of the radial artery, McLennan MK; Saibil EA; Marotta TR; et al, J Canad Assoc Radiol 1990; **41:** 300

complication rate of percutaneous peripheral balloon angioplasty, Belli A-M; Cumberland DC; Knox AM; et al, Clin Radiol 1990; **41:** 380

delayed common femoral artery stenosis due to blunt trauma, Kioumehr F; Yaghmai I; Bakody P, J Canad Assoc Radiol 1989; **40:** 324

delayed rupture of a pseudoaneurysm of the costocervical trunk: treatment with therapeutic embolization, Lang EV; Picus D, Radiology 1991; **178:** 352

embolic control of lumbar artery hemorrhage complicating percutaneous renal biopsy with a 3-F coaxial catheter system: case report, Kim KT; Kim BS; Park YH; et al, Cardiovasc Intervent Radiol 1991; **14:** 175

femoral neuralgia syndrome after arterial catheter trauma, (ab), Hallett JW Jr; Wolk SW; Cherry KJ Jr; et al, Radiology 1990; **177:** 894

"high-flow" priapism: treatment with superselective transcatheter embolization, Walker TG; Grant PW; Goldstein I; Krane RJ; Greenfield AJ, Radiology 1990; **174:** 1053

iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB, Radiology 1989; **170:** 749

management of vascular perforations that occur during neurointerventional procedures, Halbach VV; Higashida RT; Dowd CF; et al, AJNR 1991; **12:** 319

nonoperative observation of clinically occult arterial injuries: a prospective evaluation, (ab), Frykberg ER; Crump JM; Dennis JW; et al, JVIR 1991; **2:** 293

peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Belli A-M; Procter AE; Cumberland DC, Radiology 1990; **176:** 539

postangiographic femoral artery injuries: nonsurgical repair with US-guided compression, Fellmeth BD; Roberts AC; Bookstein JJ; Freischlag JA; Forsythe JR; Buckner NK; Hye RJ, Radiology 1991; **178:** 671

postcatheterization femoral artery injuries: is there a role for nonsurgical treatment?, Dorfman GS; Cronan JJ, Radiology 1991; **178:** 629

pseudo-aneurysm of the popliteal artery following an arthroscopic meniscectomy: report of a pediatric case, Ben Romdhane H; Neuenschwander S; Hautefort P; et al, Pediatr Radiol 1991; **21:** 228

safety and efficacy of transcatheter embolization of axillary and shoulder arterial injuries, Levey DS; Teitelbaum GP; Finck EJ; Pentecost MJ, JVIR 1991; **2:** 99

seat belt injuries: radiologic findings and clinical correlation, Hayes CW; Conway WF; Walsh JW; Coppage L; Gervin AS, Radiographics 1991; **11:** 23

selective management of nonocclusive arterial injuries, (ab), Stain SC; Yellin AE; Weaver FA; et al, Radiology 1990; **175:** 590

stab wounds to the neck: role of angiography, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, Radiology 1989; **172:** 79

surgical treatment of brachial artery injuries after cardiac catheterizatio, (ab), Kline RM Jr; Hertzer NR; Beven EG; et al, JVIR 1990; **1:** 135

traumatic laceration of intracavernosal arteries: the pathophysiology of nonischemic, high flow, arterial priapism, (ab), Witt MA; Goldstein I; Saenz de Tejada I; et al, Radiology 1990; **176:** 590

treating complications of subclavian vein puncture by embolization of the internal mammary artery, Uflacker R; Mourão GS; Piske RL, Cardiovasc Intervent Radiol 1991; **14:** 115

vascular injury complicating lumbar diskectomy: CT diagnosis, Kelly JJ; Reuter KL; Waite RJ, AJR 1989; **153:** 1233

Arteries, innominate

color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ, Radiographics 1989; **9:** 389

hemodynamic effects of innominate artery occlusive disease. evaluation by Doppler ultrasound, Brunhölzl C; von Reutern G-M, Ultrasound Med Biol 1989; **15:** 201

origin of the brachiocephalic trunk, left carotid, and left subclavian arteries from the arch of the human aorta, Zamir M; Sinclair P, Invest Radiol 1991; **26:** 128

tracheal compression and the innominate artery: MR evaluation in infants, Fletcher BD; Cohn RC, Radiology 1989; **170:** 103

Arteries, internal mammary

bilateral internal mammary artery aneurysms: a previously unreported cause for an anterior mediastinal mass, Giles JA; Sechtin AG; Waybill MM; et al, AJR 1990; **154:** 1189

parasternal sonography of the internal mammary vessels: technique, normal anatomy, and lymphadenopathy, Scatarige JC; Hamper UM; Sheth S; Allen HA III, Radiology 1989; **172:** 453

Arteries, interventional procedure

See Arteries, transluminal angioplasty

Arteries, laser angioplasty

angioplasty after laser perforation, Reekers JA; Sprangers RLH; van de Kley AJ, Cardiovasc Intervent Radiol 1991; **14:** 113

atherosclerotic rabbit iliac arteries: comparison of balloon angioplasty and laser-assisted balloon angioplasty, Consigny PM; Gardiner GA Jr, JVIR 1991; **2:** 253

cardiovascular/interventional radiology: RSNA '88 meeting notes, Hunter DW; Cragg AH; Darcy MD; Ferris E; Thorpe P; Vogelzang RL; van Breda A; Herrera M; Castaneda F, Radiology 1989; **170:** 910

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

cardiovascular/interventional radiology: RSNA '90 meeting notes, Hunter DW; Castañeda F; Cragg AH; Darcy MD; Hu X; Longley DG; Martin LG; Matalon T; Steinberg F; Stillman A; Thorpe P; Vogelzang RL, Radiology 1991; **178:** 918

clinical trial of laser thermal angioplasty in patients with advanced peripheral vascular disease, (ab), White RA; White GH; Mehringer MC; et al, JVIR 1991; **2:** 290

clinical trial of laser thermal angioplasty in patients with advanced peripheral vascular disease, (ab), White RA; White GH; Mehringer MC; et al, Radiology 1991; **179:** 886

clinical utility of laser recanalization in occluded peripheral arteries, Bonn J, Radiology 1991; **178:** 323

CO_2 gas perfusion: improved efficiency and safety with sapphire-probe laser ablation of human artery, Yang XM; Manninen H; Naukkarinen A; Ji H; Kankkunen JP; Suhonen M; Soimakallio S, JVIR 1991; **2:** 159

comment on the clinical appropriateness of an emerging technology, McLean GK; Burke DR; Marinelli DL, Radiology 1989; **172:** 941

comparison of balloon angioplasty and laser thermal angioplasty in the treatment of femoropopliteal atherosclerotic disease: initial results of a prospective randomized trial: work in progress, Spies JB; LeQuire MH; Brantley SD; Williams JE; Beckett WC; Mills JL, JVIR 1990; **1:** 39

contact probes for intravascular laser recanalization: experimental evaluation, Lammer J; Kleinert R; Pilger E; et al, Invest Radiol 1989; **24:** 190

early and late arterial healing response to catheter-induced laser, thermal, and mechanical wall damage in the rabbit, (ab), Oomen A; van Erven L; Vandenbroucke WVA; et al, JVIR 1991; **2:** 302

effects of laser thermal angioplasty on arterial contractions and mechanics, Consigny PM; Teitelbaum GP; Gardiner GA Jr; et al, Cardiovasc Intervent Radiol 1989; **12:** 83

embolization hazard of laser hot-tip catheters and coated guidewires, Delcour C; Gusella P; Richoz B; et al, Br J Radiol 1990; **63:** 76

excimer laser-assisted femoral angioplasty: early results, (ab), McCarthy WJ; Vogelzang RL; Nemcek AA Jr; et al, JVIR 1991; **2:** 414

expanded indications for laser-assisted balloon angioplasty in peripheral arterial disease, (ab), Harrington ME; Schwartz ME; Sanborn TA; et al, Radiology 1990; **176:** 589

femoropopliteal arterial occlusions: laser-assisted versus conventional percutaneous transluminal angioplasty, Odink HF; de Valois HC; Eikelboom BC, Radiology 1991; **181:** 61

indiscriminate use of laser angioplasty, Strandness DE Jr; Barnes RW; Katzen B; Ring EJ, Radiology 1989; **172:** 945

infrapopliteal and below-knee popliteal lesions: treatment with sole laser thermal angioplasty. work in progress, Sanborn TA; Mitty HA; Train JS; Dan SJ, Radiology 1989; **172:** 89

installation requirements for an argon laser angioplasty system, Smithson PH; Jeans WD; Murphy P, Br J Radiol 1989; **62:** 71

intraoperative peripheral Nd:YAG laser-assisted thermal balloon angioplasty: short-term and intermediate-term follow-up, (ab), AbuRahma AF; Robinson PA; Kennard W; et al, Radiology 1991; **179:** 590

in vitro comparison of radiofrequency-heated and laser-heated metal probes for angioplasty, Verdaasdonk RM; Holstege FCP; Jansen ED; et al, Invest Radiol 1990; **25:** 686

laser angioplasty, van Breda A, Radiol Clin North Am 1989; **27:** 1217

laser angioplasty for limb salvage: observations on early results, (ab), Wright JG; Belkin M; Greenfield AJ; et al, Radiology 1990; **174:** 588

laser angioplasty in peripheral vascular disease: symptomatic versus hemodynamic results, (ab), Blebea J; Ouriel K; Green RM; et al, Radiology 1991; **180:** 886

laser angioplasty in the lower extremities: an early surgical experience, (ab), Criado FJ; Queral LA; Patten P; et al, Radiology 1990; **177:** 598

laser angioplasty: results of a prospective, multicenter study at 3-year follow-up, Lammer J; Pilger E; Karnel F; Schurawitzki H; Horvath W; Riedl M; Umek H; Klein GE; Schreyer H; Kretschmer G; Haidinger D; Partsch H, Radiology 1991; **178:** 335

laser arterial disobstructive procedures in 148 lower extremities, (ab), Matsumoto T; Okamura T; Rajyaguru V, Radiology 1990; **175:** 291

laser-assisted balloon angioplasty in complete femoropopliteal occlusions: preliminary results, Arlart IP; Gerlach A; Grass HG, Cardiovasc Intervent Radiol 1991; **14:** 233

laser catheter thermal angioplasty: technique and early results in 34 patients, Mitty HA; Sanborn TA; Train JS; et al, AJR 1989; **153:** 617

laser ring catheters in excimer laser angioplasty, Duda SH; Karsch KR; Haase KK; Huppert PE; Claussen CD, Radiology 1990; **175:** 269

laser thermal probe recanalization of occluded arteries, (ab), White RA; White GH, Radiology 1989; **173:** 885

leave the glazing for the donuts, Diethrich EB, JVIR 1990; **1:** 133

leave the glazing for the donuts: reply, van Breda A, JVIR 1990; **1:** 133

mechanism of peripheral recanalization by laser-assisted thermal angioplasty: confirmation by intravascular sonography, Tobis JM; Miranda CP; Deutsch L; et al, AJR 1990; **155:** 1100

new tools of the trade, Reamer LA, Radiology 1990; **174:** 923

occluded peripheral arteries: clinical utility of argon laser recanalization, Allen B; Loflin TG; Embry BM; Gaskin TA; Isobe JH; Martin RG, Radiology 1990; **176:** 543

occlusive peripheral vascular disease: a multicenter trial of fluorescence-guided, pulsed dye laser-assisted balloon angioplasty, Douek PC; Leon MB; Geschwind H; Cook PS; Selzer P; Miller DL; Bonner RF, Radiology 1991; **180:** 127

percutaneous coronary excimer laser angioplasty in patients with stable and unstable angina pectoris: acute results and incidence of restenosis during six-month follow-up, (ab), Karsch KR; Haase KK; Voelker W; et al, JVIR 1990; **1:** 137

percutaneous coronary excimer laser-assisted balloon angioplasty: initial clinical and quantitative angiographic results in 50 patients, (ab), Sanborn TA; Torre SR; Sharma SK; et al, JVIR 1991; **2:** 293

percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS, Radiology 1989; **172:** 331

percutaneous intravascular US as adjunct to catheter-based interventions: preliminary experience in patients with peripheral vascular disease, Isner JM; Rosenfield K; Losordo DW; Kelly S; Palefski P; Langevin RE; Razvi S; Pastore JO; Kosowsky BD, Radiology 1990; **175:** 61

percutaneous laser probe femoropopliteal angioplasty: a preliminary experience, (ab), Perler BA; Osterman FA; White RI Jr; et al, Radiology 1990; **175:** 589

percutaneous management of emboli associated with hot tip laser-assisted angioplasty, Matsumoto AH; Barth KH; Teitelbaum GP, Cardiovasc Intervent Radiol 1990; **13:** 71

percutaneous transluminal angioplasty of crural arteries, Horvath W; Oertl M; Haidinger D, Radiology 1990; **177:** 565

percutaneous transluminal laser angioplasty: progress over the past two years, Yang XM; Manninen H; Soimakallio S, Acta Radiol 1990; **31:** 3

peripheral arterial occlusions: initial results from percutaneous angioplasty with a hybrid laser probe, Belli A-M; Cumberland DC; Myler RK; Crew JR; Stertzer SH, Radiology 1990; **174:** 447

peripheral laser-assisted balloon angioplasty: initial multicenter experience in 219 peripheral arteries, (ab), Sanborn TA; Cumberland DC; Greenfield AJ; et al, Radiology 1990; **175:** 291

peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Belli A-M; Procter AE; Cumberland DC, Radiology 1990; **176:** 539

plaque modification with tetracycline: enhanced tissue ablation with the excimer laser, Smith TP; Cragg AH; Landas SK; Berbaum KS, Radiology 1990; **174:** 1009

prospective randomized trials of laser angioplasty, Hartnell GG, JVIR 1991; **2:** 285

prospective randomized trials of laser angioplasty: reply, Spies JB, JVIR 1991; **2:** 285

randomized trial of laser-assisted passage through occluded femoro-popliteal arteries, Jeans WD; Murphy P; Hughes AO; et al, Br J Radiol 1990; **63:** 19

response. peripheral laser angioplasty: need for organized clinical trials, Sanborn TA; Greenfield AJ, Radiology 1989; **172:** 943

review of laser assisted angioplasty, Lovett I; Benn I; Conner G; et al, Australas Radiol 1991; **35:** 159

SCVIR position statement on thermal laser angioplasty, Society of Cardiovascular and Interventional Radiology, Radiology 1989; **172:** 944

technical success, clinical success, and patency in laser angioplasty, Sanborn TA, Radiology 1989; **170:** 576

technical success, clinical success, and patency in laser angioplasty: reply, Nordstrom LA, Radiology 1989; **170:** 577

technical success, clinical success, and patency in laser angioplasty, Jeans WD, Radiology 1989; **173:** 572

thermal laser probe angioplasty: influence of constant tip temperature, plaque composition, and probe/vessel diameter ratio, (ab), Vincent GM; Fox J; Johnson MD; et al, JVIR 1991; **2:** 302

total peripheral artery occlusions: conventional versus laser thermal recanalization with a hybrid probe in percutaneous angioplasty—results of a randomized trial, Belli A-M; Cumberland DC; Procter AE; Welsh CL, Radiology 1991; **181:** 57

value of laser-assisted angioplasty in the community hospital, Levy JM; Hessel SJ; Horsley WW; Cook GC; Dickey JE, Radiology 1989; **170:** 1017

value of laser-assisted angioplasty in the community hospital, Diethrich EB, Radiology 1989; **173:** 877

value of laser-assisted angioplasty in the community hospital: reply, Hessel SJ; Levy JM; Dickey JE; Horsley WW; Cook GC, Radiology 1989; **173:** 877

vascular applications of laser, Cragg AH; Gardiner GA Jr; Smith TP, Radiology 1989; **172:** 925

vascular interventional radiologists, the development of new technologies, marketing, and the Auk, Gaylord GM, Radiology 1991; **181:** 15

vascular tissue ablation by an erbium-YAG laser: a fiber-transmittable pulsed laser in the infrared range, Vorwerk D; Zolotas G; Hessel S; et al, Invest Radiol 1990; **25:** 235

young investigator award: Raman spectroscopy of human atherosclerotic plaque: implications for laser angioplasty, Redd DCB; Yue KT; Martin LG; Kaufman SL, JVIR 1991; **2:** 247

Arteries, mammary

CT anatomy of the internal mammary vessels: importance in planning percutaneous transthoracic procedures, Glassberg RM; Sussman SK; Glickstein MF, AJR 1990; **155:** 397

use of duplex imaging to assess suitability of the internal mammary artery for coronary artery surgery, (ab), Canver CC; Ricotta JJ; Bhayana JN; et al, Radiology 1991; **180:** 590

Arteries, meningeal

accessory meningeal artery: an anatomic misnomer, Vitek JJ, AJNR 1989; **10:** 569

Arteries, mesenteric

alterations of the dynamics in the arterial mesenteric circulation secondary to atherosclerosis: a new pitfall of GI bleeding studies with Tc-99m tagged RBCs, Oskin JE; Alexander JM; Bekerman C; et al, Clin Nucl Med 1991; **16:** 524

blood flow in the superior mesenteric artery: estimation with Doppler US, Taylor GA, Radiology 1990; **174:** 15

computed tomography in superior mesenteric artery syndrome, Santer R; Young C; Rossi T; et al, Pediatr Radiol 1991; **21:** 154

CT diagnosis of spontaneous dissection of the superior mesenteric artery, Corbetti F; Vigo M; Bulzacchi A; et al, JCAT 1989; **13:** 965

Doppler analysis of superior mesenteric artery blood flow in preterm infants, (ab), Leidig E, Radiology 1990; **175:** 591

effect of indomethacin on superior mesenteric artery blood flow velocity in preterm infants, (ab), Van Bel F; Van Zoeren D; Schipper J; et al, Radiology 1991; **180:** 592

familial superior mesenteric artery syndrome, Ortiz C; Cleveland RH; Blickman JG; et al, Pediatr Radiol 1990; **20:** 588

hepatic arterial embolization in cases of extensive celiac arterial stenosis, Hori S; Inoue E; Narumi Y; Fujita M; Kadowaki K, Radiology 1991; **178:** 353

malrotation of the bowel: malalignment of the superior mesenteric artery-vein complex shown by CT and MR, Shatzkes DR; Gordon DH; Haller JO; et al, JCAT 1990; **14:** 93

mesenteric vascular anatomy at CT: normal and abnormal appearances, Zerin JM; DiPietro MA, Radiology 1991; **179:** 739

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; **171:** 653

middle mesenteric artery: an unusual source for colonic hemorrhage, LeQuire MH; Sorge DG; Brantley SD, JVIR 1991; **2:** 141

pancreatic adenocarcinoma: are there pathognomonic changes in the fat surrounding the superior mesenteric artery?, Baker ME, Radiology 1991; **180:** 613

pulsed Doppler ultrasound blood flow measurements in the superior mesenteric artery of the newborn, Leidig E, Pediatr Radiol 1989; **19:** 169

root of the superior mesenteric artery in pancreatitis and pancreatic carcinoma: evaluation with CT, Schulte SJ; Baron RL; Freeny PC; Patten RM; Gorell HA; Maclin ML, Radiology 1991; **180:** 659

solitary hyperdynamic pulsating superior mesenteric artery: an additional dynamic sonographic feature of midgut volvulus, Smet M-H; Marchal G; Ceulemans R; et al, Pediatr Radiol 1991; **21:** 156

sonographic evaluation of superior mesenteric vascular relationship in malrotation, Loyer E; Eggli KD, Pediatr Radiol 1989; **19:** 173

superior mesenteric artery blood flow velocity and estimated volume flow: duplex Doppler US study of preterm and term neonates, Van Bel F; Van Zwieten PHT; Guit GL; Schipper J, Radiology 1990; **174:** 165

thickening at the root of the superior mesenteric artery on sonography: evidence of vascular involvement in patients with cancer of the pancreas, Kosuge T; Makuuchi M; Takayama T; et al, AJR 1991; **156:** 69

transcatheter occlusion of inferior mesenteric arteriovenous fistula: a case report, Peer A; Slutzki S; Witz E; et al, Cardiovasc Intervent Radiol 1989; **12:** 35

true clinical entity of vascular compression of the duodenum in adolescence, (ab), Marchant EA; Alvear DT; Fagelman KM, Radiology 1989; **173:** 295

Arteries, MR

basilar artery thrombosis diagnosed by MR imaging, Martinez HR; Elizondo G; Herrera J; et al, AJNR 1989; **10:** S81

biological classification of soft-tissue vascular anomalies: MR correlation, Meyer JS; Hoffer FA; Barnes PD; et al, AJR 1991; **157:** 559

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

chemical shift imaging of atherosclerosis at 7.0 tesla, Maynor CH; Charles HC; Herfkens RJ; et al, Invest Radiol 1989; **24:** 52

image analysis and quantification of atherosclerosis using MRI, Merickel MB; Carman CS; Brookeman JR; et al, Comput Med Imag Graph 1991; **15:** 207

in vivo evaluation of femoral blood flow measured with magnetic resonance, Henriksen O; Ståhlberg F; Thomsen C; et al, Acta Radiol 1989; **30:** 153

magnetic resonance chemical shift imaging and spectroscopy of atherosclerotic plaque, Vinitski S; Consigny PM; Shapiro MJ; et al, Invest Radiol 1991; **26:** 703

magnetic resonance imaging of thoracic vascular disease, White RD; Higgins CB, J Thorac Imag 1989; **4-2:** 34

MR angiography of the primitive trigeminal artery: report on two cases, Schuierer G; Laub G; Huk WJ, AJNR 1990; **11:** 1131

MR appearance of endovascular embolic agents in vitro with clinical correlation, Spickler EM; Dion JE; Lufkin RB; et al, Comput Med Imag Graph 1990; **14:** 415

MR imaging of basilar artery occlusion, Knepper L; Biller J; Adams HP Jr; et al, JCAT 1990; **14:** 32

MR imaging of intracranial vertebral artery occlusion, Uchino A; Ohnari N; Ohno M, Neuroradiol 1989; **31:** 403

MR imaging of persistent primitive trigeminal artery, Shintani S; Kuzuhara S; Toyokura Y, Neuroradiol 1990; **32:** 79

MR imaging of vertebrobasilar vascular disease, Schwaighofer BW; Klein MV; Lyden PD; et al, JCAT 1990; **14:** 895

popliteal artery entrapment: findings at MR imaging, McGuinness G; Durham JD; Rutherford RB; Thickman D; Kumpe DA, JVIR 1991; **2:** 241

pre- and postoperative imaging of vascularized fibular grafts, Manaster BJ; Coleman DA; Bell DA, Radiology 1990; **176:** 161

real-time interactive color flow MR imaging, Riederer SJ; Wright RC; Ehman RL; Rossman PJ; Holsinger-Bampton AE; Hangiandreou NJ; Grimm RC, Radiology 1991; **181:** 33

right-side aortic arch with aneurysm of aberrant left subclavian artery: MR imaging appearance, Benedikt RA; Jelinek JS; Schaefer PS; Edwards F; Ghaed V, JMRI 1991; **1:** 485

spontaneous dissection of the vertebral artery: MR findings, Chen J; Smith R; Keller A; et al, JCAT 1989; **13:** 326

tantalum vascular stents: in vivo evaluation with MR imaging, Matsumoto AH; Teitelbaum GP; Barth KH; Carvlin MJ; Savin MA; Strecker EP, Radiology 1989; **170:** 753

three-dimensional time-of-flight MR angiography: applications in the abdomen and thorax, Lewin JS; Laub G; Hausmann R, Radiology 1991; **179:** 261

Arteries, peripheral

angiography in the 1990s: diagnosis and therapy, Picus D, Radiology 1990; **175:** 33

arterial occlusive disease below the knee, Lipchik EO, Radiology 1989; **171:** 283

arterial occlusive disease below the knee: reply, Schwarten DE, Radiology 1989; **171:** 283

comparison of Hexabrix 320 and Hexabrix 250 in aortoperipheral arteriography: towards cheaper low osmolar contrast media?, Joyce PF; O'Neill M; Kweka E; et al, Cardiovasc Intervent Radiol 1989; **12:** 161

comparison of intravascular US, external US, and digital angiography for evaluation of peripheral artery dimensions and morphology, (ab), Sheikh KH; Davidson CJ; Kisslo KB; et al, JVIR 1991; **2:** 415

initial trial of argon ion laser endarterectomy for peripheral vascular disease, (ab), Eugene J; Ott RA; Baribeau Y; et al, JVIR 1991; **2:** 290

muscle perfusion with technetium-MIBI in lower extremity peripheral arterial diseases, Sayman HB; Urgancioglu I, J Nucl Med 1991; **32:** 1700

percutaneous transluminal angioplasty versus operation for peripheral arteriosclerosis: report of a prospective randomized trial in a selected group of patients, (ab), Wilson SE; Wolf GL; Cross AP; et al, Radiology 1989; **172:** 886

peripheral arterial obstructions: analysis of patency 1 year after laser-assisted transluminal angioplasty, Nordstrom LA; Castaneda-Zuniga WR; Von Seegern KB, Radiology 1991; **181:** 515

peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM, Radiology 1991; **178:** 695

rapid progression of peripheral vascular disease after diagnostic angiography, Fellmeth BD; Bookstein JJ; Lurie AL; Dillard JP, Radiology 1990; **175:** 71

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; **175:** 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; **178:** 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; **178:** 284

Arteries, popliteal

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arterial occlusive disease below the knee, Lipchik EO, Radiology 1989; **171:** 283

arterial occlusive disease below the knee: reply, Schwarten DE, Radiology 1989; **171:** 283

balloon occlusion of a pseudoaneurysm in a below-the-knee amputation stump, Selby JB Jr; Bittner GM; Tegtmeyer CJ; et al, AJR 1989; **153:** 625

comparison of balloon angioplasty and laser thermal angioplasty in the treatment of femoropopliteal atherosclerotic disease: initial results of a prospective randomized trial: work in progress, Spies JB; LeQuire MH; Brantley SD; Williams JE; Beckett WC; Mills JL, JVIR 1990; **1:** 39

computed tomography for evaluation of arterial disease in the popliteal fossa, (ab), Rizzo RJ; Flinn WR; Yao JST; et al, Radiology 1990; **176:** 884

diagnosis of popliteal artery entrapment syndrome: the role of duplex scanning, (ab), di Marzo L; Cavallaro A; Sciacca V; et al, JVIR 1991; **2:** 411

diagnosis of popliteal artery entrapment syndrome: the role of duplex scanning, (ab), di Marzo L; Cavallaro A; Sciacca V; et al, Radiology 1991; **180:** 887

embolization of large saccular aneurysms with Gianturco coils, Rao VRK; Mandalam KR; Joseph S; Satija V; Gupta VK; Gupta AK; Jain SK; Unni MN; Rao AS, Radiology 1990; **175:** 407

femoropopliteal arterial occlusions: laser-assisted versus conventional percutaneous transluminal angioplasty, Odink HF; de Valois HC; Eikelboom BC, Radiology 1991; **181:** 61

image-directed Doppler ultrasound findings in adventitial cystic disease of the popliteal artery, Stapff M; Zoller WG; Spengel FA, JCU 1989; **17:** 689

infrapopliteal and below-knee popliteal lesions: treatment with sole laser thermal angioplasty. work in progress, Sanborn TA; Mitty HA; Train JS; Dan SJ, Radiology 1989; **172:** 89

kissing-balloon technique for angioplasty of the popliteal artery trifurcation, Mewissen MW; Beres RA; Bessette JC; et al, AJR 1991; **156:** 823

low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Vallbracht C; Liermann DD; Prignitz I; Beinborn W; Roth FJ; Kollath J; Landgraf H; Kaltenbach M, Radiology 1989; **172:** 327

occlusive peripheral vascular disease: a multicenter trial of fluorescence-guided, pulsed dye laser-assisted balloon angioplasty, Douek PC; Leon MB; Geschwind H; Cook PS; Selzer P; Miller DL; Bonner RF, Radiology 1991; **180:** 127

percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS, Radiology 1989; **172:** 331

percutaneous transluminal angioplasty of occlusions of the femoral and popliteal arteries by subintimal dissection, Bolia A; Miles KA; Brennan J; et al, Cardiovasc Intervent Radiol 1990; **13:** 357

percutaneous transluminal angioplasty of the infrapopliteal arteries: results in 53 patients, Bakal CW; Sprayregen S; Scheinbaum K; et al, AJR 1990; **154:** 171

popliteal artery entrapment: an evolving syndrome, (ab), Collins PS; McDonald PT; Lim RC, Radiology 1990; **175:** 886

popliteal artery entrapment: findings at MR imaging, McGuinness G; Durham JD; Rutherford RB; Thickman D; Kumpe DA, JVIR 1991; **2:** 241

popliteal artery hemodynamics: MR imaging—US correlation, Dousset V; Wehrli FW; Louie A; Listerud J, Radiology 1991; **179:** 437

popliteal pseudoaneurysm and arteriovenous shunt following arthroscopic meniscectomy: case report, Vassallo P; Reiser MF; Strobel M; et al, Cardiovasc Intervent Radiol 1989; **12:** 142

popliteal vein thrombosis and popliteal artery compression complicating fibular osteochondroma: ultrasound diagnosis, Longo JM; Rodriguez-Cabello J; Bilbao JI; et al, JCU 1990; **18:** 507

pseudo-aneurysm of the popliteal artery following an arthroscopic meniscectomy: report of a pediatric case, Ben Romdhane H; Neuenschwander S; Hautefort P; et al, Pediatr Radiol 1991; **21:** 228

randomized trial of laser-assisted passage through occluded femoro-popliteal arteries, Jeans WD; Murphy P; Hughes AO; et al, Br J Radiol 1990; **63:** 19

short vein grafts in limb-saving arterial reconstructions, Veith FJ; Gupta SK; Wengerter KR; Farrell E, JVIR 1990; **1:** 57

surgical significance of popliteal arterial variants: a unified angiographic classification, (ab), Kim D; Orron DE; Skillman JJ, Radiology 1990; **175:** 884

total occlusions of the femoropopliteal artery: high technical success rate of conventional balloon angioplasty, Morgenstern BR; Getrajdman GI; Laffey KJ; Bixon R; Martin EC, Radiology 1989; **172:** 937

Arteries, prostheses

See Arteries, grafts and prostheses

Arteries, pudendal

arteriogenic impotence: findings in 195 impotent men examined with selective internal pudendal angiography: young investigator's award, Rosen MP; Greenfield AJ; Walker TG; Grant P; Guben JK; Dubrow J; Bettmann MA; Goldstein I, Radiology 1990; **174:** 1043

"high-flow" priapism: treatment with superselective transcatheter embolization, Walker TG; Grant PW; Goldstein I; Krane RJ; Greenfield AJ, Radiology 1990; **174:** 1053

ultralong, reverse-curve angiographic catheter, Fellmeth BD; Bookstein JJ; Lurie AL, Radiology 1989; **172:** 872

Arteries, pulmonary

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Arteries, radionuclide studies

alterations of the dynamics in the arterial mesenteric circulation secondary to atherosclerosis: a new pitfall of GI bleeding studies with Tc-99m tagged RBCs, Oskin JE; Alexander JM; Bekerman C; et al, Clin Nucl Med 1991; **16:** 524

comprehensive analysis of perfusion scintigraphy in Takayasu's arteritis, Umehara I; Shibuya H; Nakagawa T; et al, Clin Nucl Med 1991; **16:** 352

exercise whole-body thallium scintigraphy in the diagnosis and evaluation of occlusive arterial disease in the legs, Segall GM; Lennon SE; Stevick CD, J Nucl Med 1990; **31:** 1443

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; **171:** 653

platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A, Radiology 1989; **170:** 767

radionuclide imaging of experimental atherosclerosis with nonspecific polyclonal immunoglobulin G, Fischman AJ; Rubin RH; Khaw BA; et al, J Nucl Med 1989; **30:** 1095

Arteries, renal

See Renal arteries

Arteries, spinal

anterior cervical spinal artery originating from a right vertebral artery with a bifid origin, Brugières P; Djindjian M; Revel MP; et al, Neuroradiol 1990; **32:** 506

anterior spinal artery syndrome, Vandertop WP; Elderson A; van Gijn J; et al, AJNR 1991; **12:** 505

embolization with particles in thoracic intramedullary arteriovenous malformations: long-term angiographic and clinical results, Biondi A; Merland J-J; Reizine D; Aymard A; Hodes JE; Lecoz P; Rey A, Radiology 1990; **177:** 651

Arteries, splenic

blunt splenic injuries: nonsurgical treatment with CT, arteriography, and transcatheter arterial embolization of the splenic artery, Sclafani SJA; Weisberg A; Scalea TM; Phillips TF; Duncan AO, Radiology 1991; **181:** 189

massive splenomegaly: superior results with a combined endovascular and operative approach, (ab), Hiatt JR; Gomes AS; Machleder HI, JVIR 1991; **2:** 295

pancreatic transplant rejection: assessment with duplex US, Patel B; Wolverson MK; Mahanta B, Radiology 1989; **173:** 131

sonographic diagnosis of a splenic artery pseudoaneurysm incorporated within an infected pancreatic pseudocyst, Kedar RP; Wagle AS; Merchant SA, Australas Radiol 1991; **35:** 92

ultrasound case of the day, Mitchell DG; Blum L; Kurtz AB, Radiographics 1990; **10:** 366

Arteries, stenosis or obstruction

acceleration of thrombolysis with a high-dose transthrombus bolus technique, Sullivan KL; Gardiner GA Jr; Shapiro MJ; Bonn J; Levin DC, Radiology 1989; **173:** 805

angiographic assessment of arterial outflow: predictive value of a new classification system, Stein M; Ameli MF; Gray R; Elliott D; Grosman H; Aro L, JVIR 1991; **2:** 365

angioplasty and stenting of completely occluded iliac arteries, Rees CR; Palmaz JC; Garcia O; Roeren T; Richter GM; Gardiner G Jr; Schwarten DE; Schatz RA; Root HD; Rogers W, Radiology 1989; **172:** 953

angioplasty from the contralateral approach: use of a guiding catheter and coaxial angioplasty balloons, Kaufman SL, Radiology 1990; **177:** 577

arterial occlusive disease below the knee, Lipchik EO, Radiology 1989; **171:** 283

arterial occlusive disease below the knee: reply, Schwarten DE, Radiology 1989; **171:** 283

arterial segmental vasoconstriction in hypercholesterolaemic patients, Nilsson S; Berglund I; Christoffersson A; et al, Acta Radiol 1990; **31:** 333

arterial stent placement with use of the Wallstent: midterm results of clinical experience, Zollikofer CL; Antonucci F; Pfyffer M; Redha F; Salomonowitz E; Stuckmann G; Largiadèr I; Marty A, Radiology 1991; **179:** 449

assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; **177:** 265

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; **170:** 391

atherosclerosis-related measures in digitized femoral arteriograms, Nilsson S; Berglund I; Erikson U; et al, Acta Radiol 1991; **32:** 24

bilateral aortoiliac pressure measurements from a single puncture site, Grollman JH Jr; Marcus R; Averbook BD; et al, Cardiovasc Intervent Radiol 1990; **13:** 367

blue toe syndrome: treatment with percutaneous atherectomy, Dolmatch BL; Rholl KS; Moskowitz LB; Dake MD; van Breda A; Kaplan JO; Katzen BT, Radiology 1989; **173:** 799

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

clinical utility of laser recanalization in occluded peripheral arteries, Bonn J, Radiology 1991; **178:** 323

CO_2 gas perfusion: improved efficiency and safety with sapphire-probe laser ablation of human artery, Yang XM; Manninen H; Naukkarinen A; Ji H; Kankkunen JP; Suhonen M; Soimakallio S, JVIR 1991; **2:** 159

color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ, Radiographics 1989; **9:** 389

comparison of balloon angioplasty and laser thermal angioplasty in the treatment of femoropopliteal atherosclerotic disease: initial results of a prospective randomized trial: work in progress, Spies JB; LeQuire MH; Brantley SD; Williams JE; Beckett WC; Mills JL, JVIR 1990; **1:** 39

controversies in peripheral vascular intervention, Wholey MH, Radiology 1990; **174:** 929

delayed common femoral artery stenosis due to blunt trauma, Kioumehr F; Yaghmai I; Bakody P, J Canad Assoc Radiol 1989; **40:** 324

deterioration following delay in performing femoral angioplasty, Spencer JA; Fletcher EWL, Br J Radiol 1990; **63:** 919

directional peripheral atherectomy: histopathologic aspects of a new interventional technique, Johnson DE, JVIR 1990; **1:** 29

Doppler color-flow images from a stenosed arterial model: interpretation of flow patterns, (ab), Rittgers SE; Shu MCS, Radiology 1991; **179:** 591

early myointimal hyperplasia after balloon catheter embolectomy: effect of shear forces and multiple withdrawals, (ab), Schwarcz TH; Dobrin PB; Mrkvicka R; et al, Radiology 1989; **170:** 291

ergotism as a consequence of thromboembolic prophylaxis, Ashenburg RJ; Phillips DA, Radiology 1989; **170:** 375

evaluation of the peripheral arteries with duplex US after angioplasty, Sacks D; Robinson ML; Marinelli DL; Perlmutter GS, Radiology 1990; **176:** 39

exercise whole-body thallium scintigraphy in the diagnosis and evaluation of occlusive arterial disease in the legs, Segall GM; Lennon SE; Stevick CD, J Nucl Med 1990; **31:** 1443

expandable tubular stents for treatment of arterial occlusive diseases: experimental and clinical results. work in progress, Strecker E-P; Liermann D; Barth KH; Wolf HRD; Freudenberg N; Berg G; Westphal M; Tsikuras P; Savin M; Schneider B, Radiology 1990; **175:** 97

fate of patients undergoing transluminal angioplasty for lower-limb ischemia, Jeans WD; Armstrong S; Cole SEA; Horrocks M; Baird RN, Radiology 1990; **177:** 559

femoropopliteal arterial occlusions: laser-assisted versus conventional percutaneous transluminal angioplasty, Odink HF; de Valois HC; Eikelboom BC, Radiology 1991; **181:** 61

fibrinolytic therapy for upper-extremity arterial occlusions, Widlus DM; Verbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr, Radiology 1990; **175:** 393

fibrinolytic therapy for upper extremity occlusions, Morse MH; Baker AR, Radiology 1991; **178:** 580

five-year results of iliac and femoropopliteal angioplasty in diabetic patients, Stokes KR; Strunk HM; Campbell DR; Gibbons GW; Wheeler HG; Clouse ME, Radiology 1990; **174:** 977

guide wire traversal test: retrospective study of results with fibrinolytic therapy, Smith DC; McCormick MJ; Jensen DA; Westengard JC, JVIR 1991; **2:** 339

hemodynamic effects of innominate artery occlusive disease. evaluation by Doppler ultrasound, Brunhölzl C; von Reutern G-M, Ultrasound Med Biol 1989; **15:** 201

hepatic arterial embolization in cases of extensive celiac arterial stenosis, Hori S; Inoue E; Narumi Y; Fujita M; Kadowaki K, Radiology 1991; **178:** 353

iliac artery stenosis and occlusion: preliminary results of treatment Gianturco with expandable metallic stents, Kichikawa K; Uchida H; Yoshioka T; Maeda M; Nishimine K; Kubota Y; Sakaguchi S; Ohishi H; Iwasaki S, Radiology 1990; **177:** 799

iliac artery stenosis or obstruction after unsuccessful balloon angioplasty: treatment with a self-expandable stent, Günther RW; Vorwerk D; Antonucci F; et al, AJR 1991; **156:** 389

infrapopliteal and below-knee popliteal lesions: treatment with sole laser thermal angioplasty. work in progress, Sanborn TA; Mitty HA; Train JS; Dan SJ, Radiology 1989; **172:** 89

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; **176:** 523

laser angioplasty: results of a prospective, multicenter study at 3-year follow-up, Lammer J; Pilger E; Karnel F; Schurawitzki H; Horvath W; Riedl M; Umek H; Klein GE; Schreyer H; Kretschmer G; Haidinger D; Partsch H, Radiology 1991; **178:** 335

local intraarterial fibrinolysis is acute vertebrobasilar occlusion: technical developments and recent results, Zeumer H; Freitag H-J; Grzyska U; et al, Neuroradiol 1989; **31:** 336

lower-extremity vascular grafts placed for peripheral vascular disease: prospective evaluation with duplex Doppler sonography, Gooding GAW; Perez S; Rapp JH; Krupski WC, Radiology 1991; **180:** 379

low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Vallbracht C; Liermann DD; Prignitz I; Beinborn W; Roth FJ; Kollath J; Landgraf H; Kaltenbach M, Radiology 1989; **172:** 327

mechanical revascularization of occluded iliac arteries with use of self-expandable endoprostheses, Vorwerk D; Günther RW, Radiology 1990; **175:** 411

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; **171:** 653

morphologic observations late after coronary balloon angioplasty: mechanisms of acute injury and relationship to restenosis, Waller BF; Orr CM; Pinkerton CA; VanTassel JW; Pinto RP, Radiology 1990; **174:** 961

MR imaging of basilar artery occlusion, Knepper L; Biller J; Adams HP Jr; et al, JCAT 1990; **14:** 32

neurovascular compression and essential hypertension: an angiographic study, Kleineberg B; Becker H; Gaab MR, Neuroradiol 1991; **33:** 2

new balloon-through-balloon angioplasty technique for the treatment of segmental lesions, Selby JB Jr; Tegtmeyer CJ, Radiology 1990; **177:** 276

new reperfusion devices: the Kensey catheter, the atherolytic reperfusion wire device, and the transluminal extraction catheter, Wholey MH; Jarmolowski CR, Radiology 1989; **172:** 947

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; **170:** 921

occluded peripheral arteries: clinical utility of argon laser recanalization, Allen B; Loflin TG; Embry BM; Gaskin TA; Isobe JH; Martin RG, Radiology 1990; **176:** 543

occlusive peripheral vascular disease: a multicenter trial of fluorescence-guided, pulsed dye laser-assisted balloon angioplasty, Douek PC; Leon MB; Geschwind H; Cook PS; Selzer P; Miller DL; Bonner RF, Radiology 1991; **180:** 127

percutaneous atherectomy as an alternative treatment for postangioplasty obstructive intimal flaps, Maynar M; Reyes R; Cabrera V; Roman M; Pulido JM; Castaneda F; Letourneau JG; Castaneda-Zuniga WR, Radiology 1989; **170:** 1029

percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS, Radiology 1989; **172:** 331

percutaneous iliac artery stent: angiographic long-term follow-up, Long AL; Page PE; Raynaud AC; Beyssen BM; Fiessinger JN; Ducimetière P; Relland JY; Gaux JC, Radiology 1991; **180:** 771

percutaneous transluminal angioplasty of crural arteries, Horvath W; Oertl M; Haidinger D, Radiology 1990; **177:** 565

peripheral arterial occlusions: initial results from percutaneous angioplasty with a hybrid laser probe, Belli A-M; Cumberland DC; Myler RK; Crew JR; Stertzer SH, Radiology 1990; **174:** 447

peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM, Radiology 1991; **178:** 695

peripheral atherectomy: experimental results with a new device, Nakagawa N; Cragg AH; Smith TP; Landas SK; De Jong SC, JVIR 1990; **1:** 127

peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Belli A-M; Procter AE; Cumberland DC, Radiology 1990; **176:** 539

placement of balloon-expandable intraluminal stents in iliac arteries: first 171 procedures, Palmaz JC; Garcia OJ; Schatz RA; Rees CR; Roeren T; Richter GM; Noeldge G; Gardiner GA Jr; Becker GJ; Walker C; Stagg J; Katzen BT; Dake MD; Paolini RM; McLean GK; Lammer J; Schwarten DE; Tio FO; Root HD; Rogers W, Radiology 1990; **174:** 969

platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A, Radiology 1989; **170:** 767

popliteal artery entrapment: an evolving syndrome, (ab), Collins PS; McDonald PT; Lim RC, Radiology 1990; **175:** 886

pull-through approach to percutaneous angioplasty of totally occluded common iliac arteries, Ginsburg R; Thorpe P; Bowles CR; Wright AM; Wexler L, Radiology 1989; **172:** 111

rapid, accurate, noninvasive technique for diagnosing critical and subcritical stenoses in aortoiliac arteries, (ab), Sawchuk AP; Flanigan DP; Tober JC; et al, Radiology 1991; **178:** 590

rapid progression of peripheral vascular disease after diagnostic angiography, Fellmeth BD; Bookstein JJ; Lurie AL; Dillard JP, Radiology 1990; **175:** 71

Raynaud's disease in childhood with radiological features, Shono T; Okadome K; Naritomi G; et al, Br J Radiol 1990; **63:** 364

recanalization of total arterial occlusions with the Kensey dynamic angioplasty catheter, Wholey MH; Smith JAM; Godlewski P; Nagurka M, Radiology 1989; **172:** 95

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; **175:** 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; **178:** 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; **178:** 284

relative cost-effectiveness of urokinase versus streptokinase in the treatment of peripheral vascular disease, van Breda A; Graor RA; Katzen BT; Risius B; Gillings D, JVIR 1991; **2:** 77

restenosis after balloon angioplasty: a practical proliferative model in porcine coronary arteries, (ab), Schwartz RS; Murphy JG; Edwards WD; et al, JVIR 1991; **2:** 292

restenosis and successful angioplasty: histologic-radiologic correlation, Roeren T; LeVeen RF; Villanueva T; Reisman J, Radiology 1989; **172:** 971

six cases of subclavian stenosis treated by percutaneous angioplasty, Cook AM; Dyet JF, Clin Radiol 1989; **40:** 352

surgical and percutaneous management of contralateral thrombus dislodgement following stent placement and dilatation of iliac artery occlusions: technical note, Vorwerk D; Günther RW; Keulers P; et al, Cardiovasc Intervent Radiol 1991; **14:** 134

symptomatic native arterial occlusions: early experience with "over-the-wire" thrombolysis, Mewissen MW; Minor PL; Beyer GA; Lipchik EO, JVIR 1990; **1:** 43

technical success, clinical success, and patency in laser angioplasty, Sanborn TA, Radiology 1989; **170:** 576

technical success, clinical success, and patency in laser angioplasty: reply, Nordstrom LA, Radiology 1989; **170:** 577

thrombectomy with the transluminal endarterectomy catheter (TEC) system: experimental study and case report, Yedlicka JW Jr; Carlson JE; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; 2: 343

total occlusions of the femoropopliteal artery: high technical success rate of conventional balloon angioplasty, Morgenstern BR; Getrajdman GI; Laffey KJ; Bixon R; Martin EC, Radiology 1989; 172: 937

total peripheral artery occlusions: conventional versus laser thermal recanalization with a hybrid probe in percutaneous angioplasty—results of a randomized trial, Belli A-M; Cumberland DC; Procter AE; Welsh CL, Radiology 1991; 181: 57

treatment of femoropopliteal stenoses by means of self-expandable endoprostheses: midterm results, Rousseau HP; Raillat CR; Joffre FG; Knight CJ; Ginestet MC, Radiology 1989; 172: 961

treatment of iliac artery stenoses with the Wallstent endoprosthesis, Raillat C; Rousseau H; Joffre F; et al, AJR 1990; 154: 613

two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial, Cragg AH; Smith TP; Corson JD; Nakagawa N; Castaneda F; Kresowik TF; Sharp WJ; Shamma A; Berbaum KS, Radiology 1991; 178: 681

urokinase infusion: feasibility of monitoring for complications in a non-intensive care setting, Routh WD; Tatum CM; Barton RE; Gross GM; McDowell HA; Keller FS, JVIR 1991; 2: 69

urokinase-mediated thrombolysis: a dose-response relationship in cats. work in progress, Hedlund LJ; Carlson JE; Urness M; Bildsoe MC; Yedlicka JW Jr; Castaneda-Zuniga WR; Amplatz K; Hunter DW, JVIR 1991; 2: 349

value of laser-assisted angioplasty in the community hospital, Levy JM; Hessel SJ; Horsley WW; Cook GC; Dickey JE, Radiology 1989; 170: 1017

value of laser-assisted angioplasty in the community hospital, Diethrich EB, Radiology 1989; 173: 877

value of laser-assisted angioplasty in the community hospital: reply, Hessel SJ; Levy JM; Dickey JE; Horsley WW; Cook GC, Radiology 1989; 173: 877

variation of Doppler ultrasound spectral width in the post-stenotic velocity field, Campbell JD; Hutchison KJ; Karpinski E, Ultrasound Med Biol 1989; 15: 611

vascular applications of laser, Cragg AH; Gardiner GA Jr; Smith TP, Radiology 1989; 172: 925

Arteries, subclavian

acquired diseases of aberrant subclavian arteries, Mulligan SA; Nath PH; Keller FS; et al, J Thorac Imag 1989; 4-2: 76

case of the season, Kullnig P, Semin Roentgenol 1989; 24: 75

color and spectral Doppler mirror-image artifact of the subclavian artery, Reading CC; Charboneau JW; Allison JW; Cooperberg PL, Radiology 1990; 174: 41

color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ, Radiographics 1989; 9: 389

esophageal duplication cyst and aberrant right subclavian artery mimicking a symptomatic vascular ring, Hedlund GL; Bisset GS III, Pediatr Radiol 1989; 19: 543

intravascular embolization of a congenital subclavian arteriovenous fistula, Yang PJ; Halbach VV; Higashida RT; et al, AJNR 1989; 10: S25

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; 170: 921

occluding staghorn calcification of the aortic arch and left subclavian artery: case report, Krabbe JK; Hartkamp MJ; van Waes PFGM, Cardiovasc Intervent Radiol 1991; 14: 121

origin of the brachiocephalic trunk, left carotid, and left subclavian arteries from the arch of the human aorta, Zamir M; Sinclair P, Invest Radiol 1991; 26: 128

percutaneous placement of a balloon-expandable intraluminal graft for life-threatening subclavian arterial hemorrhage, Becker GJ; Benenati JF; Zemel G; Sallee DS; Suarez CA; Roeren TK; Katzen BT, JVIR 1991; 2: 225

percutaneous transluminal angioplasty of the subclavian arteries: long-term results in 52 patients, Hebrang A; Maskovic J; Tomac B, AJR 1991; 156: 1091

ruptured anomalous right subclavian artery: aneurysm or diverticulum?, Felson B, Semin Roentgenol 1989; 24: 121

six cases of subclavian stenosis treated by percutaneous angioplasty, Cook AM; Dyet JF, Clin Radiol 1989; 40: 352

subclavian artery angioplasty and the origin of the vertebral artery, Vitek JJ, Radiology 1989; 170: 407

subclavian triangle: CT analysis, Wechsler RJ; Rao VM; Newman LM, AJR 1989; 152: 313

Arteries, surgery

angiographic assessment of arterial outflow: predictive value of a new classification system, Stein M; Ameli MF; Gray R; Elliott D; Grosman H; Aro L, JVIR 1991; 2: 365

arteriovenous malformations of the brain: recent results of endovascular therapy, Fox AJ; Pelz DM; Lee DH, Radiology 1990; 177: 51

clinically unsuspected complications of arterial surgery shown by post-operative digital substraction angiography, Teeuwen C; Eikelboom BC; Ludwig JW, Br J Radiol 1989; 62: 13

combined aortic and visceral arterial reconstruction: risks and results, (ab), Atnip RG; Neumyer MM; Healy DA; et al, Radiology 1991; 180: 886

endoscopic intravascular surgery removes intraluminal flaps, dissections, and thrombus, (ab), White GH; White RA; Kopchok GE; et al, Radiology 1990; 176: 589

is duplex scanning sufficient evaluation before carotid endarterectomy?, (ab), Gueder JW; Lamparello PJ; Riles TS; et al, Radiology 1989; 173: 292

massive arterial hemorrhage from the stomach and lower esophagus: impact of embolotherapy on survival, Lang EV; Picus D; Marx MV; Hicks ME, Radiology 1990; 177: 249

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, JVIR 1991; 2: 169

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, Radiology 1991; 181: 277

Arteries, therapeutic blockade

4-F coaxial catheter system for pediatric vascular occlusion with detachable balloons, Burrows PE; Lasjaunias P; TerBrugge KG, Radiology 1989; 170: 1091

anomalous origin of bronchial arteries: potential pitfall of embolotherapy for hemoptysis, McPherson S; Routh WD; Nath H; Keller FS, JVIR 1990; 1: 86

arterial embolization to control life-threatening hemorrhage from a Meckel's diverticulum, Okazaki M; Higashihara H; Yamasaki S; et al, AJR 1990; 154: 1257

arteriovenous malformations of the brain: recent results of endovascular therapy, Fox AJ; Pelz DM; Lee DH, Radiology 1990; 177: 51

balloon embolization of a basilar bifurcation aneurysm, Guglielmi G, AJNR 1990; 11: 653

balloon embolization of a giant vertebral-basilar aneurysm, Guglielmi G; Guidetti G; Mori S; et al, AJNR 1989; 10: S28

balloon embolization of experimentally created aneurysms: an animal training model, Geremia GK; Hoile RD; Haklin MF; et al, AJNR 1990; 11: 659

balloon occlusion of a pseudoaneurysm in a below-the-knee amputation stump, Selby JB Jr; Bittner GM; Tegtmeyer CJ; et al, AJR 1989; 153: 625

blood pressure changes in feeders to cerebral arteriovenous malformations during therapeutic embolization, Jungreis CA; Horton JA; Hecht ST, AJNR 1989; 10: 575

blunt splenic injuries: nonsurgical treatment with CT, arteriography, and transcatheter arterial embolization of the splenic artery, Sclafani SJA; Weisberg A; Scalea TM; Phillips TF; Duncan AO, Radiology 1991; 181: 189

bronchial arteriography and embolotherapy for hemoptysis in patients with cystic fibrosis, Tonkin ILD; Hanissian AS; Boulden TF; et al, Cardiovasc Intervent Radiol 1991; 14: 241

bronchial artery embolization for severe hemoptysis in cystic fibrosis, (ab), Sweezey NB; Fellows KE, Radiology 1991; 178: 291

bronchial artery embolization therapy, Roberts AC, J Thorac Imag 1990; 5-4: 60

bronchial artery embolization to control hemoptysis in cystic fibrosis, Cohen AM; Doershuk CF; Stern RC, Radiology 1990; 175: 401

cardiovascular/interventional radiology: RSNA '88 meeting notes, Hunter DW; Cragg AH; Darcy MD; Ferris E; Thorpe P; Vogelzang RL; van Breda A; Herrera M; Castaneda F, Radiology 1989; 170: 910

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; 174: 907

chemotherapy and embolization via the inferior epigastric artery for the treatment of primary and metastatic cancer, O'Keeffe FN; Lorigan JG; Charnsangavej C; et al, AJR 1989; 152: 387

chronic arteriovenous fistulas masquerading as arteriovenous malformations: diagnostic considerations and therapeutic implications, Lawdahl RB; Routh WD; Vitek JJ; McDowell HA; Gross GM; Keller FS, Radiology 1989; 170: 1011

coaxial catheter and steerable guidewire used to embolize branches of the splanchnic arteries, Okazaki M; Higashihara H; Koganemaru F; et al, AJR 1990; 155: 405

coil embolization in the treatment of pulmonary arteriovenous malformations, Hartnell GG; Allison DJ, J Thorac Imag 1989; 4-1: 81

coil embolization of pulmonary arteriovenous malformations, Hartnell GG; Jackson JE; Allison DJ, Cardiovasc Intervent Radiol 1990; 13: 347

delayed rupture of a pseudoaneurysm of the costocervical trunk: treatment with therapeutic embolization, Lang EV; Picus D, Radiology 1991; 178: 352

(D, L) polylactide microspheres as embolic agent: a preliminary study, Flandroy P; Grandfils C; Collignon J; et al, Neuroradiol 1990; 32: 311

effect of antimicrobial protection on tolerance to hepatic chemoembolization with a fibrous collagen carrier, Sternlicht M; Daniels JR; Sales SF; Daniels A, Radiology 1989; 170: 1067

embolization of a mesenteric artery aneurysm: case report, Ku A; Kadir S, Cardiovasc Intervent Radiol 1990; 13: 91

embolization of arteriovenous malformations of the temporal lobe via the anterior choroidal artery, Hodes JE; Aymard A; Casasco A; et al, AJNR 1991; 12: 775

embolization of a thoracic aortic aneurysm; the straddling coil technique: technical note, Mori H; Fukuda T; Ishida Y; et al, Cardiovasc Intervent Radiol 1990; 13: 50

embolization of cerebral arteriovenous malformations with bucrylate: experience in a first series of 29 patients, Berthelsen B; Löfgren J; Svendsen P, Acta Radiol 1990; 31: 13

embolization of paraspinal masses, Coldwell DM, Cardiovasc Intervent Radiol 1989; 12: 252

embolization with particles in thoracic intramedullary arteriovenous malformations: long-term angiographic and clinical results, Biondi A; Merland J-J; Reizine D; Aymard A; Hodes JE; Lecoz P; Rey A, Radiology 1990; 177: 651

embolization with steel coils using a saline flush technique, Makita K; Furui S; Irie T; et al, Br J Radiol 1991; 64: 708

endovascular treatment of scalp arteriovenous fistulas associated with a large varix, Barnwell SL; Halbach VV; Dowd CF; Higashida RT; Hieshima GB, Radiology 1989; **173:** 533

ethanol embolization of arteriovenous fistulas: a primary model of therapy, Yakes WF; Luethke JM; Merland JJ; Rak KM; Slater DD; Hollis HW; Parker SH; Casasco A; Aymard A; Hodes J; Hopper KD; Stavros AT; Carter TE, JVIR 1990; **1:** 89

ethanol embolization of vascular malformations, Yakes WF; Luethke JM; Parker SH; Stavros AT; Rak KM; Hopper KD; Dreisbach JN; Griffin DJ; Seibert CE; Carter TE; Guilliland JD, Radiographics 1990; **10:** 787

evaluation of three embolic agents in pig rete, Lee DH; Wriedt CH; Kaufmann JCE; et al, AJNR 1989; **10:** 773

extracranial vertebral artery aneurysm with neurofibromatosis: endovascular treatment by detachable balloon, Negoro M; Nakaya T; Terashima K; et al, Neuroradiol 1990; **31:** 533

gastric and hepatic infarction following embolization of the left gastric artery: case report, Brown KT; Friedman WN; Marks RA; Saddekni S, Radiology 1989; **172:** 731

glans ischemia after penis revascularization: therapeutic embolization, Wilms G; Oyen R; Claes L; et al, Cardiovasc Intervent Radiol 1990; **13:** 304

growth of a thrombosed giant vertebral artery aneurysm after parent artery occlusion, Hecht ST; Horton JA; Yonas H, AJNR 1991; **12:** 449

head and neck radiology. RSNA '88 meeting notes, Som PM; Curtin HD; Lufkin RB; Holliday RA; Reede DL, Radiology 1989; **170:** 603

hemobilia: transcatheter occlusive therapy and long-term follow-up, Uflacker R; Mourão GS; Piske RL; et al, Cardiovasc Intervent Radiol 1989; **12:** 136

hemodynamics of the central nervous system arteriovenous malformation nidus during particulate embolization: a computer model, (ab), Hecht ST; Horton JA; Kerber CW, JVIR 1991; **2:** 421

hemodynamics of the central nervous system arteriovenous malformation nidus during particulate embolization: a computer model, Hecht ST; Horton JA; Kerber CW, Neuroradiol 1991; **33:** 62

"high-flow" priapism: treatment with superselective transcatheter embolization, Walker TG; Grant PW; Goldstein I; Krane RJ; Greenfield AJ, Radiology 1990; **174:** 1053

hydrolysed microspheres from cross-linked polymethyl methacrylate (Hydrogel): a new embolic material for interventional neuroradiology, Rao VRK; Ravimandalam K; Jayakrishnan A; et al, J Neuroradiol 1991; **18:** 61

idiopathic intractable epistaxis: endovascular therapy, Vitek JJ, Radiology 1991; **181:** 113

impaired cerebral vasoreactivity after embolization of arteriovenous malformations: assessment with serial acetazolamide challenge xenon CT, Tarr RW; Johnson DW; Horton JA; et al, AJNR 1991; **12:** 417

improved radiolabeling technique of Ivalon and its use for dynamic monitoring of complications during therapeutic transcatheter embolization, Sirr SA; Johnson TK; Stuart DD; et al, J Nucl Med 1989; **30:** 1399

internal iliac artery: embolization to control hemorrhage from pelvic neoplasms, Pisco JM; Martins JM; Correia MG, Radiology 1989; **172:** 337

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intravascular embolization of a cerebellar arteriovenous malformation for treatment of hemifacial spasm, Yang PJ; Higashida RT; Halbach VV; et al, AJNR 1989; **10:** 403

intravascular embolization of a congenital subclavian arteriovenous fistula, Yang PJ; Halbach VV; Higashida RT; et al, AJNR 1989; **10:** S25

intravascular therapeutic embolization for acute traumatic bleeding from the ear, Tsai FY; Shah DC; Alfieri K; et al, AJNR 1989; **10:** S40

irrigation device for neuroangiographic procedures, Choi IS; Berenstein A; Kagetsu NJ, Radiology 1990; **177:** 580

left main bronchial-esophageal fistula: a complication of bronchial artery embolization, Munk PL; Morris DC; Nelems B, Cardiovasc Intervent Radiol 1990; **13:** 95

liver atrophy after transcatheter arterial embolization and percutaneous ethanol injection therapy for a minute hepatocellular carcinoma, Motoo Y; Okai T; Matsui O; et al, Gastrointest Radiol 1991; **16:** 164

management of primary and metastatic renal cell carcinoma by transcatheter embolization with iodine 125, (ab), Lang EK; Sullivan J, Radiology 1989; **170:** 901

massive arterial hemorrhage from the stomach and lower esophagus: impact of embolotherapy on survival, Lang EV; Picus D; Marx MV; Hicks ME, Radiology 1990; **177:** 249

massive splenomegaly: superior results with a combined endovascular and operative approach, (ab), Hiatt JR; Gomes AS; Machleder HI, JVIR 1991; **2:** 295

miniaturization of catheter systems for angiography, Hawkins IF Jr; Akins EW, Radiology 1989; **172:** 1015

modified Blalock Taussig shunt anastomosis in a three month old child with pulmonary stenosis: embolization therapy, Dubois J; Cohen L; Brunelle F; et al, Pediatr Radiol 1991; **21:** 198

mortalities associated with use of a commercial suspension of polyvinyl alcohol, Repa I; Moradian GP; Dehner LP; Tadavarthy SM; Hunter DW; Castaneda-Zuniga WR; Wright GB; Katkov H; Johnson P; Chrenka B; Amplatz K, Radiology 1989; **170:** 395

MR appearance of endovascular embolic agents in vitro with clinical correlation, Spickler EM; Dion JE; Lufkin RB; et al, Comput Med Imag Graph 1990; **14:** 415

n-butyl 2-cyanoacrylate—substitute for IBCA in interventional neuroradiology: histopathologic and polymerization time studies, Brothers MF; Kaufmann JCE; Fox AJ; et al, AJNR 1989; **10:** 777

new liquid material for embolization of arteriovenous malformations, Taki W; Yonekawa Y; Iwata H; et al, AJNR 1990; **11:** 163

nitropaste for prevention and relief of vascular spasm, Erba M; Jungreis CA; Horton JA, AJNR 1989; **10:** 155

on-line monitoring of sequential blood flow reduction during splenic embolization, Link DP; Seibert JA; Gould J; et al, Acta Radiol 1989; **30:** 101

osseous metastases from hepatocellular carcinoma: embolization for pain control, Nagata Y; Nakano Y; Abe M; et al, Cardiovasc Intervent Radiol 1989; **12:** 149

partial splenic embolization guided by blood flow measurements, Link DP; Lantz BMT; Seibert JA; et al, Invest Radiol 1989; **24:** 678

pediatric interventional procedures in the 1980s: a period of development, growth, and acceptance, Towbin RB, Radiology 1989; **170:** 1081

penetrating atherosclerotic aortic ulcer with dissecting hematoma: control of bleeding with percutaneous embolization, Williams DM; Kirsh MM; Abrams GD, Radiology 1991; **181:** 85

percutaneous transcatheter arterial embolization of bone and soft tissue tumors, Rossi C; Ricci S; Boriani S; et al, Skeletal Radiol 1990; **19:** 555

platinum microcoils for therapeutic embolization: nonneuroradiologic applications, Morse SS; Clark RA; Puffenbarger A, AJR 1990; **155:** 401

posttraumatic intrahepatic arterial pseudoaneurysm: treatment with direct percutaneous puncture, Lukancic SP; Nemcek AA Jr; Vogelzang RL, JVIR 1991; **2:** 335

preoperative embolization of a hemangioblastoma, Horton JA; Eelkema E; Albright AL, AJNR 1989; **10:** 203

preoperative embolization of arteriovenous malformations with polylene threads: techniques with wing microcatheter and pathologic results, Benati A; Beltramello A; Colombari R; et al, AJNR 1989; **10:** 579

preoperative embolization of cerebral arteriovenous malformations with polyvinyl alcohol particles: experience in 51 adults, Purdy PD; Samson D; Batjer HH; et al, AJNR 1990; **11:** 501

preoperative uterine artery embolization in cervical pregnancy, Meyerovitz MF; Lobel SM; Harrington DP; Bengtson JM, JVIR 1991; **2:** 95

prolonged survival following palliative renal tumor embolization by capillary occlusion, Kauffmann GW; Richter GM; Rohrbach R; et al, Cardiovasc Intervent Radiol 1989; **12:** 22

prospective controlled trial of elective endoscopic sclerotherapy in comparison with percutaneous transhepatic obliteration of esophageal varices in patients with nonalcoholic cirrhosis, (ab), Terabayashi H; Ohnishi K; Tsunoda T; et al, Radiology 1989; **170:** 899

pulmonary embolus as a complication of therapeutic peripheral arteriovenous malformation embolization, McCarthy P; Kennedy A; Dawson P; et al, Br J Radiol 1991; **64:** 177

renal cisplatin chemoembolization with Angiostat, Gelfoam, and Ethiodol in the rabbit: renal platinum distributions, Sternlicht M; Sales SF; Daniels JR; Daniels A, Radiology 1989; **170:** 1073

revascularization of brain arteriovenous malformations after embolization with bucrylate, Fournier D; Terbrugge K; Rodesch G; et al, Neuroradiol 1990; **32:** 497

safety and efficacy of transcatheter embolization of axillary and shoulder arterial injuries, Levey DS; Teitelbaum GP; Finck EJ; Pentecost MJ, JVIR 1991; **2:** 99

skull-base tumors: ethanol embolization of the cavernous carotid artery, Jungreis CA, Radiology 1991; **181:** 741

spontaneous hepatic hemorrhage in preeclampsia: treatment with hepatic arterial embolization, Terasaki KK; Quinn MF; Lundell CJ; Finck EJ; Pentecost MJ, Radiology 1990; **174:** 1039

subselective embolization with gelatin sponge through an open-ended guide wire, Encarnacion CE; Kadir S; Malone RB Jr, Radiology 1990; **174:** 265

superselective embolization using a coaxial catheter technique, Olliff S; Thomas S; Karani J; et al, Br J Radiol 1990; **63:** 197

symptomatic vascular malformations: ethanol embolotherapy, Yakes WF; Haas DK; Parker SH; Gibson MD; Hopper KD; Mulligan JS; Pevsner PH; Johns JC Jr; Carter TE, Radiology 1989; **170:** 1059

therapeutic angioinfarction of renal carcinoma: CT follow-up, Jafri SZH; Ellwood RA; Amendola MA; et al, JCAT 1989; **13:** 443

therapeutic embolization: enhanced radiolabeled monitoring, duCret RP; Adkins MC; Hunter DW; Yedlicka JW; Engeler CM; Castaneda-Zuniga WR; Amplatz K; Sirr SA; Boudreau RJ; Kuni CC; White JG, Radiology 1990; **177:** 571

thrombin-soaked coils: estimation of thrombin dose, Harman JT; Becker GJ, JVIR 1991; **2:** 166

transcatheter arterial embolization for metastatic liver tumors: a study in resected cases, Kuroda C; Sakurai M; Monden M; et al, Cardiovasc Intervent Radiol 1989; **12:** 72

transcatheter embolization of an arteriovenous malformation of the scrotum, Bezirdjian DR; Reznikov PD; Tisnado J, Cardiovasc Intervent Radiol 1989; **12:** 267

transcatheter occlusion of inferior mesenteric arteriovenous fistula: a case report, Peer A; Slutzki S; Witz E; et al, Cardiovasc Intervent Radiol 1989; **12:** 35

treatment of arteriovenous malformations of the mandible by arterial and venous embolization, Chiras J; Hassine D; Goudot P; et al, AJNR 1990; **11:** 1191

treatment of cerebral arteriovenous malformations with PVA: results and analysis of complications, Schumacher M; Horton JA, Neuroradiol 1991; **33:** 101

treatment of intracranial aneurysms with preservation of the parent vessel: results of percutaneous balloon embolization in 84 patients, Higashida RT; Halbach VV; Barnwell SL; et al, AJNR 1990; **11:** 633

vascular metastatic lesions of the spine: preoperative embolization, Gellad FE; Sadato N; Numaguchi Y; Levine AM, Radiology 1990; 176: 683

wire-directed detachable balloon: work in progress, Makita K; Furui S; Machida T; Yamauchi T; Tuchiya K; Irie T; Takenaka E, Radiology 1991; 180: 139

Arteries, tibial

See also Arteries, extremities

short vein grafts in limb-saving arterial reconstructions, Veith FJ; Gupta SK; Wengerter KR; Farrell E, JVIR 1990; 1: 57

Arteries, transluminal angioplasty

See also Arteries, laser angioplasty

angiography in the 1990s: diagnosis and therapy, Picus D, Radiology 1990; 175: 33

angioplasty and stenting of completely occluded iliac arteries, Rees CR; Palmaz JC; Garcia O; Roeren T; Richter GM; Gardiner G Jr; Schwarten DE; Schatz RA; Root HD; Rogers W, Radiology 1989; 172: 953

angioplasty for long-term treatment of patients with Budd-Chiari syndrome, Martin LG; Henderson JM; Millikan WJ Jr; et al, AJR 1990; 154: 1007

angioplasty from the contralateral approach: use of a guiding catheter and coaxial angioplasty balloons, Kaufman SL, Radiology 1990; 177: 577

angioplasty-induced dissections in human iliac arteries: management with Palmaz balloon-expandable intraluminal stents, Becker GJ; Palmaz JC; Rees CR; Ehrman KO; Lalka SG; Dalsing MC; Cikrit DF; McLean GK; Burke DR; Richter GM; Noeldge G; Garcia O; Waller BF; Castaneda-Zuniga WR, Radiology 1990; 176: 31

angioplasty sites: assessment with the dual-access technique, Frink NC; Paolella LP; Dorfman GS, Radiology 1990; 174: 264

arterial occlusive disease below the knee, Lipchik EO, Radiology 1989; 171: 283

arterial occlusive disease below the knee: reply, Schwarten DE, Radiology 1989; 171: 283

arterial stent placement with use of the Wallstent: midterm results of clinical experience, Zollikofer CL; Antonucci F; Pfyffer M; Redha F; Salomonowitz E; Stuckmann G; Largiadèr I; Marty A, Radiology 1991; 179: 449

assessment of angioplasty balloon catheters: further studies, Jeans WD; Henson JHL; Holloway MA; et al, Br J Radiol 1989; 62: 121

assessment of heparin anticoagulation during peripheral angioplasty, Mulry CC; LeVeen RF; Sobel M; Lampe PJ; Burke DR, JVIR 1991; 2: 133

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; 170: 391

atherosclerotic rabbit iliac arteries: comparison of balloon angioplasty and laser-assisted balloon angioplasty, Consigny PM; Gardiner GA Jr, JVIR 1991; 2: 253

avulsed Olbert balloon—an avoidable complication of percutaneous transluminal angioplasty, Law P; Dacie JE, Clin Radiol 1989; 40: 88

balloon dilation of miscellaneous lesions: results of valvuloplasty and angioplasty of congenital anomalies registry, (ab), Mullins CE; Latson LA; Neches WH; et al, Radiology 1990; 177: 893

cardiac radiology. RSNA '88 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, Radiology 1989; 170: 606

cardiovascular/interventional radiology: RSNA '88 meeting notes, Hunter DW; Cragg AH; Darcy MD; Ferris E; Thorpe P; Vogelzang RL; van Breda A; Herrera M; Castaneda F, Radiology 1989; 170: 910

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; 174: 907

case report: iliac artery rupture during percutaneous angioplasty, Chong WK; Cross FW; Raphael MJ, Clin Radiol 1990; 41: 358

case report: percutaneous angioplasty of the superior gluteal artery in the treatment of buttock claudication, Cook AM; Dyet JF, Clin Radiol 1990; 41: 63

case report: pulsatile tinnitus relieved by angioplasty, Donald JJ; Raphael MJ, Clin Radiol 1991; 43: 132

catheter lysis and percutaneous transluminal angioplasty below the knee via the popliteal artery in a patient with femoral artery obstruction: technical note, Schroeder J, Cardiovasc Intervent Radiol 1989; 12: 344

Charles Dotter: interventional radiologist, Friedman SG, Radiology 1989; 172: 921

comment on the clinical appropriateness of an emerging technology, McLean GK; Burke DR; Marinelli DL, Radiology 1989; 172: 941

comparison of balloon angioplasty and laser thermal angioplasty in the treatment of femoropopliteal atherosclerotic disease: initial results of a prospective randomized trial: work in progress, Spies JB; LeQuire MH; Brantley SD; Williams JE; Beckett WC; Mills JL, JVIR 1990; 1: 39

complication rate of percutaneous peripheral balloon angioplasty, Belli A-M; Cumberland DC; Knox AM; et al, Clin Radiol 1990; 41: 380

complications in percutaneous transluminal angioplasty: relationships with patient age, Morse MH; Jeans WD; Cole SEA; et al, Br J Radiol 1991; 64: 5

complications of high brachial artery puncture, Baudouin CJ; Belli A-M; Peck RJ; et al, Clin Radiol 1990; 42: 277

controversies in peripheral vascular intervention, Wholey MH, Radiology 1990; 174: 929

deterioration following delay in performing femoral angioplasty, Spencer JA; Fletcher EWL, Br J Radiol 1990; 63: 919

development of an infected false aneurysm following iliac angioplasty, Cooper JC; Woods DA; Spencer P; et al, Br J Radiol 1991; 64: 759

distal bowel infarction following angioplasty of the internal iliac artery, Bennett IC; Downes MO; Collins REC, Br J Radiol 1989; 62: 489

double-guide-wire access through a single 6-F vascular sheath, Teitelbaum GP; Joseph GJ; Matsumoto AH; Barth KH, Radiology 1989; 173: 871

emergency operation after failed angioplasty, (ab), Parsonnet V; Fisch D; Gielchinsky I; et al, Radiology 1989; 171: 589

evaluation of the peripheral arteries with duplex US after angioplasty, Sacks D; Robinson ML; Marinelli DL; Perlmutter GS, Radiology 1990; 176: 39

fate of patients undergoing transluminal angioplasty for lower-limb ischemia, Jeans WD; Armstrong S; Cole SEA; Horrocks M; Baird RN, Radiology 1990; 177: 559

femoropopliteal arterial occlusions: laser-assisted versus conventional percutaneous transluminal angioplasty, Odink HF; de Valois HC; Eikelboom BC, Radiology 1991; 181: 61

five-year results of iliac and femoropopliteal angioplasty in diabetic patients, Stokes KR; Strunk HM; Campbell DR; Gibbons GW; Wheeler HG; Clouse ME, Radiology 1990; 174: 977

functional properties of the Kensey arterial recanalization catheter: in vitro investigations, Schmitz-Rode T; Günther RW, Invest Radiol 1990; 25: 631

guidelines for percutaneous transluminal angioplasty, Standards of Practice Committee of the Society of Cardiovascular and Interventional Radiology, JVIR 1990; 1: 5

guidelines for percutaneous transluminal angioplasty, Standards of Practice Committee of the Society of Cardiovascular and Interventional Radiology, Radiology 1990; 177: 619

heparin in angiography: current patterns of use, Miller DL, Radiology 1989; 172: 1007

iliac and femoral artery stenoses and occlusions: treatment with intravascular stents, Günther RW; Vorwerk D; Bohndorf K; Peters I; El-Din A; Messmer B, Radiology 1989; 172: 725

iliac artery stenosis and occlusion: preliminary results of treatment Gianturco with expandable metallic stents, Kichikawa K; Uchida H; Yoshioka T; Maeda M; Nishimine K; Kubota Y; Sakaguchi S; Ohishi H; Iwasaki S, Radiology 1990; 177: 799

iliofemoral arterial complications of balloon angioplasty for systemic obstructions in infants and children, (ab), Burrows PE; Benson LN; Williams WG; et al, JVIR 1991; 2: 292

imaging of blood flow changes following angioplasty for treatment of vasospasm, Pistoia F; Horton JA; Sekhar L; et al, AJNR 1991; 12: 446

indiscriminate use of laser angioplasty, Strandness DE Jr; Barnes RW; Katzen B; Ring EJ, Radiology 1989; 172: 945

initial experience with percutaneous transluminal angioplasty in the management of Takayasu's arteritis, Sharma S; Rajani M; Kaul U; et al, Br J Radiol 1990; 63: 517

intracranial angioplasty for treatment of vasospasm after subarachnoid hemorrhage: technique and modifications to improve branch access, Brothers MF; Holgate RC, AJNR 1990; 11: 239

kissing-balloon technique for angioplasty of the popliteal artery trifurcation, Mewissen MW; Beres RA; Bessette JC; et al, AJR 1991; 156: 823

long-term results of combined iliac balloon angioplasty and distal surgical revascularization, (ab), Brewster DC; Cambria RP; Darling RC; et al, Radiology 1990; 175: 293

lower extremity percutaneous transluminal angioplasty: multifactorial analysis of morbidity and mortality, (ab), Hasson JE; Acher CW; Wojtowycz M; et al, JVIR 1991; 2: 294

low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Vallbracht C; Liermann DD; Prignitz I; Beinborn W; Roth FJ; Koliath J; Landgraf H; Kaltenbach M, Radiology 1989; 172: 327

mechanical revascularization of occluded iliac arteries with use of self-expandable endoprostheses, Vorwerk D; Günther RW, Radiology 1990; 175: 411

miniaturization of catheter systems for angiography, Hawkins IF Jr; Akins EW, Radiology 1989; 172: 1015

modified Gianturco arterial stents—preliminary results in iliac arteries of sheep, Thomson KR; Paterson RT; Stewart JL; et al, Australas Radiol 1991; 35: 157

morphologic observations late after coronary balloon angioplasty: mechanisms of acute injury and relationship to restenosis, Waller BF; Orr CM; Pinkerton CA; VanTassel JW; Pinto RP, Radiology 1990; 174: 961

new approach to percutaneous transluminal angioplasty of profunda femoris origin stenosis, Dacie JE; Tennant D, Cardiovasc Intervent Radiol 1990; 13: 67

new balloon-through-balloon angioplasty technique for the treatment of segmental lesions, Selby JB Jr; Tegtmeyer CJ, Radiology 1990; 177: 276

new catheter configuration for selective antegrade catheterization of the superficial femoral artery: technical note, Bohndorf K; Günther RW, Cardiovasc Intervent Radiol 1991; 14: 129

new microballoon device for transluminal angioplasty of intracranial arterial vasospasm, Higashida RT; Halbach VV; Dormandy B; et al, AJNR 1990; 11: 233

new reperfusion devices: the Kensey catheter, the atherolytic reperfusion wire device, and the transluminal extraction catheter, Wholey MH; Jarmolowski CR, Radiology 1989; 172: 947

new tools of the trade, Reamer LA, Radiology 1990; 174: 923

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; 170: 921

occluded peripheral arteries: clinical utility of argon laser recanalization, Allen B; Loflin TG; Embry BM; Gaskin TA; Isobe JH; Martin RG, Radiology 1990; **176:** 543

outpatient angioplasty, Rogers WF; Kraft MA, Radiology 1990; **174:** 753

Palmaz vascular stent: initial clinical experience, Bonn J; Gardiner GA Jr; Shapiro MJ; Sullivan KL; Levin DC, Radiology 1990; **174:** 741

percutaneous atherectomy as an alternative treatment for postangioplasty obstructive intimal flaps, Maynar M; Reyes R; Cabrera V; Roman M; Pulido JM; Castaneda F; Letourneau JG; Castaneda-Zuniga WR, Radiology 1989; **170:** 1029

percutaneous atherectomy—early experience in Sheffield, Belli AM; Cumberland DC, Clin Radiol 1989; **40:** 122

percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS, Radiology 1989; **172:** 331

percutaneous iliac artery stent: angiographic long-term follow-up, Long AL; Page PE; Raynaud AC; Beyssen BM; Fiessinger JN; Ducimetière P; Relland JY; Gaux JC, Radiology 1991; **180:** 771

percutaneous intravascular US as adjunct to catheter-based interventions: preliminary experience in patients with peripheral vascular disease, Isner JM; Rosenfield K; Losordo DW; Kelly S; Palefski P; Langevin RE; Razvi S; Pastore JO; Kosowsky BD, Radiology 1990; **175:** 61

percutaneous transluminal angioplasty of crural arteries, Horvath W; Oertl M; Haidinger D, Radiology 1990; **177:** 565

percutaneous transluminal angioplasty of occlusions of the femoral and popliteal arteries by subintimal dissection, Bolia A; Miles KA; Brennan J; et al, Cardiovasc Intervent Radiol 1990; **13:** 357

percutaneous transluminal angioplasty of stenosis at the common iliac artery origin using a single-balloon technique, Millward SF; Jaward MA; Henderson DR, J Canad Assoc Radiol 1989; **40:** 38

percutaneous transluminal angioplasty of the infrapopliteal arteries: results in 53 patients, Bakal CW; Sprayregen S; Scheinbaum K; et al, AJR 1990; **154:** 171

percutaneous transluminal angioplasty of the subclavian arteries: long-term results in 52 patients, Hebrang A; Maskovic J; Tomac B, AJR 1991; **156:** 1091

percutaneous transluminal angioplasty versus operation for peripheral arteriosclerosis: report of a prospective randomized trial in a selected group of patients, (ab), Wilson SE; Wolf GL; Cross AP; et al, Radiology 1989; **172:** 886

percutaneous transluminal atherectomy: preliminary results, Wilms G; Pauwels P; Peene P; et al, Cardiovasc Intervent Radiol 1990; **13:** 18

peripheral arterial obstructions: analysis of patency 1 year after laser-assisted transluminal angioplasty, Nordstrom LA; Castaneda-Zuniga WR; Von Seegern KB, Radiology 1991; **181:** 515

peripheral vascular occlusions: mechanical recanalization with a metal laser probe after guide wire dissection, Belli A-M; Procter AE; Cumberland DC, Radiology 1990; **176:** 539

pharmacomechanical thrombolysis and angioplasty in the management of clotted hemodialysis grafts: early and late clinical results, Valji K; Bookstein JJ; Roberts AC; Davis GB, Radiology 1991; **178:** 243

placement of balloon-expandable intraluminal stents in iliac arteries: first 171 procedures, Palmaz JC; Garcia OJ; Schatz RA; Rees CR; Roeren T; Richter GM; Noeldge G; Gardiner GA Jr; Becker GJ; Walker C; Stagg J; Katzen BT; Dake MD; Paolini RM; McLean GK; Lammer J; Schwarten DE; Tio FO; Root HD; Rogers W, Radiology 1990; **174:** 969

platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A, Radiology 1989; **170:** 767

prospective randomized trials of laser angioplasty, Hartnell GG, JVIR 1991; **2:** 285

prospective randomized trials of laser angioplasty: reply, Spies JB, JVIR 1991; **2:** 285

pull-through approach to percutaneous angioplasty of totally occluded common iliac arteries, Ginsburg R; Thorpe P; Bowles CR; Wright AM; Wexler L, Radiology 1989; **172:** 111

pulsed-spray thrombolysis of arterial and bypass graft occlusions, Valji K; Roberts AC; Davis GB; et al, AJR 1991; **156:** 617

rapid progression of peripheral vascular disease after diagnostic angiography, Fellmeth BD; Bookstein JJ; Lurie AL; Dillard JP, Radiology 1990; **175:** 71

real-time intravascular ultrasonic imaging before and after balloon angioplasty, Gussenhoven EJ; The SHK; Gerritsen P; et al, JCU 1991; **19:** 294

recanalization of total arterial occlusions with the Kensey dynamic angioplasty catheter, Wholey MH; Smith JAM; Godlewski P; Nagurka M, Radiology 1989; **172:** 95

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; **175:** 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; **178:** 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; **178:** 284

removal of intimal hyperplasia in vascular endoprostheses by atherectomy and balloon dilatation, Vorwerk D; Günther RW, AJR 1990; **154:** 617

reocclusion prophylaxis with dipyridamole combined with acetylsalicylic acid following PTA, (ab), Heiss HW; Just H; Middleton D; et al, JVIR 1991; **2:** 289

response. peripheral laser angioplasty: need for organized clinical trials, Sanborn TA; Greenfield AJ, Radiology 1989; **172:** 943

restenosis after balloon angioplasty: a practical proliferative model in porcine coronary arteries, (ab), Schwartz RS; Murphy JG; Edwards WD; et al, JVIR 1991; **2:** 292

restenosis and successful angioplasty: histologic-radiologic correlation, Roeren T; LeVeen RF; Villanueva T; Reisman J, Radiology 1989; **172:** 971

"retroantegrade" catheterization of the branches of the femoral artery: technical note, Giavroglou CE, Cardiovasc Intervent Radiol 1989; **12:** 337

role of angioplasty in the treatment of symptomatic vascular spasm occuring in the post-operative course of intracranial ruptured aneurysms, Bracard S; Picard L; Marchal JC; et al, J Neuroradiol 1990; **17:** 6

role of duplex scanning in the selection of patients for transluminal angioplasty, (ab), Edwards JM; Coldwell DM; Goldman ML; et al, Radiology 1991; **179:** 887

salvage of branch vessels during bifurcation lesion angioplasty: acute and long-term follow-up, (ab), Weinstein JS; Baim DS; Sipperly ME; et al, JVIR 1991; **2:** 411

SCVIR position statement on thermal laser angioplasty, Society of Cardiovascular and Interventional Radiology, Radiology 1989; **172:** 944

six cases of subclavian stenosis treated by percutaneous angioplasty, Cook AM; Dyet JF, Clin Radiol 1989; **40:** 352

six-month follow-up after thermal balloon angioplasty in canine iliac arteries, Cragg AH; Smith TP; Landas S; et al, Cardiovasc Intervent Radiol 1991; **14:** 230

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, JVIR 1991; **2:** 169

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, Radiology 1991; **181:** 277

standards for interventional radiology. practice guidelines in interventional radiology: introduction, Spies JB; Bakal CW; Burke DR; Husted JW; McLean G; Palestrant AM; Pentecost MJ; Schwarten DE; Spencer MC; Tate CP; van Breda A; Weyman PJ, JVIR 1991; **2:** 59

subclavian artery angioplasty and the origin of the vertebral artery, Vitek JJ, Radiology 1989; **170:** 407

technical report: aneurysm formation after dynamic catheter assisted balloon angioplasty, Gehani AA; Ashley S; Kester RC; et al, Clin Radiol 1990; **41:** 283

technical success, clinical success, and patency in laser angioplasty, Sanborn TA, Radiology 1989; **170:** 576

technical success, clinical success, and patency in laser angioplasty: reply, Nordstrom LA, Radiology 1989; **170:** 577

technical success, clinical success, and patency in laser angioplasty, Jeans WD, Radiology 1989; **173:** 572

thermal balloon angioplasty in a canine model: preliminary results, Gleason T; Cragg AH; Smith TP; Landas SK; De Jong SC, JVIR 1990; **1:** 121

total occlusions of the femoropopliteal artery: high technical success rate of conventional balloon angioplasty, Morgenstern BR; Getrajdman GI; Laffey KJ; Bixon R; Martin EC, Radiology 1989; **172:** 937

total peripheral artery occlusions: conventional versus laser thermal recanalization with a hybrid probe in percutaneous angioplasty—results of a randomized trial, Belli A-M; Cumberland DC; Procter AE; Welsh CL, Radiology 1991; **181:** 57

training standards for physicians performing peripheral angioplasty: new developments, Wexler L; Levin D; Dorros G; Ring EJ; Katzen BT; Spittell JA Jr; King SB III, Radiology 1991; **178:** 19

transluminal angioplasty of failing infrainguinal arterial by-pass grafts: initial and long-term results in 13 patients, Laissy J-P; Peillon C; Clavier E; et al, Cardiovasc Intervent Radiol 1990; **13:** 14

treatment of femoropopliteal stenoses by means of self-expandable endoprostheses: midterm results, Rousseau HP; Raillat CR; Joffre FG; Knight CJ; Ginestet MC, Radiology 1989; **172:** 961

triple catheter aortoiliac angioplasty in a patient with a horseshoe kidney: technical note, Matsumoto AH; Baum PA; Barth KH; et al, Cardiovasc Intervent Radiol 1989; **12:** 334

two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial, Cragg AH; Smith TP; Corson JD; Nakagawa N; Castaneda F; Kresowik TF; Sharp WJ; Shamma A; Berbaum KS, Radiology 1991; **178:** 681

use of a reperfusion catheter after angioplasty dissection for salvage of ischemic renal allograft: case report, Kim D; Porter DH; Siegel JB; et al, Cardiovasc Intervent Radiol 1991; **14:** 179

use of double guidewires through a single vascular sheath for obtaining profunda femoris arterial access: technical note, Zito AJ; Teitelbaum GP; Matsumoto AH; et al, Cardiovasc Intervent Radiol 1990; **13:** 113

use of the balloon on a guidewire as an adjunct to conventional angioplasty, Pollak JS; Cooper SG; Denny DF Jr, AJR 1990; **155:** 887

vascular applications of laser, Cragg AH; Gardiner GA Jr; Smith TP, Radiology 1989; **172:** 925

vascular interventional radiologists, the development of new technologies, marketing, and the Auk, Gaylord GM, Radiology 1991; **181:** 15

Arteries, umbilical

aortic thrombosis after umbilical artery catheterization in neonates: prevalence of complications on long-term follow-up, Seibert JJ; Northington FJ; Miers JF; et al, AJR 1991; **156:** 567

can umbilical and arcuate artery Doppler velocimetry predict fetal distress among prolonged pregnancies?, Forouzan I; Cohen AW, J Ultrasound Med 1991; **10:** 15

can umbilical artery pulsatility index predict the outcome of fetuses with structural heart disease?, Copel JA; Hobbins JC; Kleinman CS, J Ultrasound Med 1991; **10:** 323

choice of index for umbilical artery Doppler waveforms, Hoskins PR; Haddad NG; Johnstone FD; et al, Ultrasound Med Biol 1989; **15:** 107

Doppler analysis of the umbilical artery: the importance of choosing the placental end of the cord, Abramowicz JS; Warsof SL; Arrington J; et al, J Ultrasound Med 1989; **8:** 219

Doppler assessment of the umbilical circulation, Cook CM; Connelly AJ; Trudinger BJ, Semin US CT MR 1989; **10:** 417

Doppler demonstration of reversed umbilical blood flow in an acardiac twin, Benson CB; Bieber FR; Genest DR; et al, JCU 1989; **17:** 291

Doppler study of umbilical artery blood flow waveform: should we use an instrument-adapted nomogram?, Abramowicz JS; Arrington J; Levy DL; et al, J Ultrasound Med 1989; **8:** 183

Doppler waveform pulsatility index and resistance, pressure and flow in the umbilical placental circulation: an investigation using a mathematical model, Thompson RS; Trudinger BJ, Ultrasound Med Biol 1990; **16:** 449

duplex Doppler sonography of the umbilical arteries: predictive value in IUGR and correlation with birth weight, Worrell JA; Fleischer AC; Drolshagen LF; et al, Ultrasound Med Biol 1991; **17:** 207

effect of fetal heart rate on umbilical arterial Doppler indices, Yarlagadda P; Willoughby L; Maulik D, J Ultrasound Med 1989; **8:** 215

heartrate variation of umbilical artery Doppler waveforms, Hoskins PR; Johnstone FD; Chambers SE; et al, Ultrasound Med Biol 1989; **15:** 101

influence of fetal breathing and movements on variability of umbilical Doppler indices using different numbers of waveforms, Spencer JAD; Price J; Lee A, J Ultrasound Med 1991; **10:** 37

intraobserver variation in Doppler ultrasound indices of placental perfusion derived from different numbers of waveforms, Spencer JAD; Price J, J Ultrasound Med 1989; **8:** 197

intrauterine growth retardation: a prospective study of the diagnostic value of real-time sonography combined with umbilical artery flow velocimetry, (ab), Divon MY; Guidetti DA; Braverman JJ; et al, Radiology 1989; **171:** 588

investigation of simulated umbilical artery Doppler waveforms. I. the effect of three physical parameters on the maximum frequency envelope and on pulsatility index, Hoskins PR; Loupas T; McDicken WN, Ultrasound Med Biol 1991; **17:** 7

investigation of simulated umbilical artery Doppler waveforms. II. a comparison of three Doppler waveform quality indices, Hoskins PR, Ultrasound Med Biol 1991; **17:** 23

precision of umbilical artery Doppler studies: intraobserver, interobserver, and biologic variability of fetal Doppler velocimetry, Thomas RL; Peng TCC; Eglinton GS; et al, J Ultrasound Med 1991; **10:** 201

recording of blood flow velocity waveforms in the uteroplacental and umbilical circulation: reproducibility study and comparison of pulsed and continuous wave Doppler ultrasonography, Gudmundsson S; Fairlie F; Lingman G; et al, JCU 1990; **18:** 97

sequential development of multiple aortic aneurysms in a neonate post umbilical arterial catheter insertion, Kirpekar M; Augenstein H; Abiri M, Pediatr Radiol 1989; **19:** 452

single umbilical artery: a report of 159 cases, (ab), Leung AKC; Robson WLM, Radiology 1989; **172:** 887

single umbilical artery: prenatal detection of concurrent anomalies, Nyberg DA; Mahony BS; Luthy D; et al, J Ultrasound Med 1991; **10:** 247

site-dependent effects of increases in placental vascular resistance on the umbilical arterial velocity waveform in fetal sheep, Adamson SL; Morrow RJ; Langille BL; et al, Ultrasound Med Biol 1990; **16:** 19

umbilical and uterine artery flow velocity waveforms: effect of the sampling site on Doppler ratios, Mehalek KE; Rosenberg J; Berkowitz GS; et al, J Ultrasound Med 1989; **8:** 171

umbilical artery Doppler blood velocity waveforms in normal and abnormal gestations, Friedman DM; Ehrlich P; Hoskins IA, J Ultrasound Med 1989; **8:** 375

umbilical artery Doppler velocimetry in pregnancies of less than 21 weeks' duration, Guzman ER; Schulman H; Karmel B; et al, J Ultrasound Med 1990; **9:** 655

umbilical artery velocity waveforms in early pregnancy: a transvaginal color Doppler study, Arduini D; Rizzo G, JCU 1991; **19:** 335

value of a random single Doppler study of the umbilical artery for predicting perinatal outcome, Abramowicz JS; Warsof SL; Sherer DM; et al, J Ultrasound Med 1991; **10:** 337

Arteries, US

aneurysm of the inferior pancreaticoduodenal artery diagnosed by real-time ultrasound and pulsed Doppler, Grech P; Rowlands P; Crofton M, Br J Radiol 1989; **62:** 753

angle-dependent backscatter from the arterial wall, de Kroon MGM; van der Wal LF; Gussenhoven WJ; et al, Ultrasound Med Biol 1991; **17:** 121

blood flow in the superior mesenteric artery: estimation with Doppler US, Taylor GA, Radiology 1990; **174:** 15

can umbilical and arcuate artery Doppler velocimetry predict fetal distress among prolonged pregnancies?, Forouzan I; Cohen AW, J Ultrasound Med 1991; **10:** 15

cardiovascular/interventional radiology: RSNA '90 meeting notes, Hunter DW; Castañeda F; Cragg AH; Darcy MD; Hu X; Longley DG; Martin LG; Matalon T; Steinberg F; Stillman A; Thorpe P; Vogelzang RL, Radiology 1991; **178:** 918

color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ, Radiographics 1989; **9:** 389

color Doppler flow imaging of the normal and abnormal orbit, Erickson SJ; Hendrix LE; Massaro BM; Harris GJ; Lewandowski MF; Foley WD; Lawson TL, Radiology 1989; **173:** 511

color Doppler imaging of the iliofemoral region, Liu J-B; Merton DA; Mitchell DG; Needleman L; Kurtz AB; Goldberg BB, Radiographics 1990; **10:** 403

determination of the extent of lower-extremity peripheral arterial disease with color-assisted duplex sonography: comparison with angiography, Polak JF; Karmel MI; Mannick JA; et al, AJR 1990; **155:** 1085

determination of the luminal diameter of the radial artery in man by high frequency ultrasound: a methodological study, Nielsen TH; Iversen HK; Tfelt-Hansen P, Ultrasound Med Biol 1990; **16:** 787

Doppler assessment of the umbilical circulation, Cook CM; Connelly AJ; Trudinger BJ, Semin US CT MR 1989; **10:** 417

Doppler color-flow images from a stenosed arterial model: interpretation of flow patterns, (ab), Rittgers SE; Shu MCS, Radiology 1991; **179:** 591

Doppler study of umbilical artery blood flow waveform: should we use an instrument-adapted nomogram?, Abramowicz JS; Arrington J; Levy DL; et al, J Ultrasound Med 1989; **8:** 183

duplex and color-flow imaging of the lower extremity arterial circulation, Zierler RE, Semin US CT MR 1990; **11:** 168

duplex Doppler sonography of the umbilical arteries: predictive value in IUGR and correlation with birth weight, Worrell JA; Fleischer AC; Drolshagen LF; et al, Ultrasound Med Biol 1991; **17:** 207

effect of fetal heart rate on umbilical arterial Doppler indices, Yarlagadda P; Willoughby L; Maulik D, J Ultrasound Med 1989; **8:** 215

effect of placental resistance, arterial diameter, and blood pressure on the uterine arterial velocity waveform: a computer modeling approach, Adamson SL; Morrow RJ; Bascom PAJ; et al, Ultrasound Med Biol 1989; **15:** 437

embolization of a prosthetic mitral valve leaflet: localizaton with intravascular US, Miller SF; McCowan TC; Eidt JF; Cook JM; Carver DK, JVIR 1991; **2:** 375

evaluation of the peripheral arteries with duplex US after angioplasty, Sacks D; Robinson ML; Marinelli DL; Perlmutter GS, Radiology 1990; **176:** 39

hemodynamic effects of innominate artery occlusive disease. evaluation by Doppler ultrasound, Brunhölzl C; von Reutern G-M, Ultrasound Med Biol 1989; **15:** 201

hemodynamic evaluation of the female pelvic vessels using a high-frequency transvaginal image-directed Doppler system, Thaler I; Manor D; Rottem S; et al, JCU 1990; **18:** 364

hepatic artery anastomotic stenosis after transplantation: treatment with percutaneous transluminal angioplasty, Abad J; Hidalgo EG; Cantarero JM; Parga G; Fernandez R; Gomez M; Colina F; Moreno E, Radiology 1989; **171:** 661

iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB, Radiology 1989; **170:** 749

image-directed Doppler ultrasonography in the management of failing infrainguinal bypass grafts, Basile RM; Waters BD; Curletti EL, JCU 1990; **18:** 132

image-directed Doppler ultrasound findings in adventitial cystic disease of the popliteal artery, Stapff M; Zoller WG; Spengel FA, JCU 1989; **17:** 689

influence of fetal breathing and movements on variability of umbilical Doppler indices using different numbers of waveforms, Spencer JAD; Price J; Lee A, J Ultrasound Med 1991; **10:** 37

initial experience with color-flow duplex scanning of infrainguinal bypass grafts, (ab), Londrey GL; Hodgson KJ; Spadone DP; et al, Radiology 1991; **178:** 899

intracerebral arteriovenous malformations: intraoperative color Doppler flow imaging, Rubin JM; Hatfield MK; Chandler WF; Black KL; DiPietro MA, Radiology 1989; **170:** 219

intraobserver variation in Doppler ultrasound indices of placental perfusion derived from different numbers of waveforms, Spencer JAD; Price J, J Ultrasound Med 1989; **8:** 197

intravascular sonography in the detection of arteriosclerosis and evaluation of vascular interventional procedures, Engeler CE; Yedlicka JW; Letourneau JG; et al, AJR 1991; **156:** 1087

intravascular ultrasonography, a new alternative for the assessment of vascular lesions, Peene P; Wilms G; Marchal G; et al, Eur J Radiol 1991; **12:** 141

intravascular ultrasound imaging: in vitro validation and pathologic correlation, (ab), Nishimura RA; Edwards WD; Warnes CA; et al, JVIR 1991; **2:** 291

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; **176:** 523

investigation of simulated umbilical artery Doppler waveforms. I. the effect of three physical parameters on the maximum frequency envelope and on pulsatility index, Hoskins PR; Loupas T; McDicken WN, Ultrasound Med Biol 1991; **17:** 7

investigation of simulated umbilical artery Doppler waveforms. II. a comparison of three Doppler waveform quality indices, Hoskins PR, Ultrasound Med Biol 1991; **17:** 23

LaPlace transform analysis of femoral artery Doppler signals: the state of the art, Baker JD; Skidmore R; Cole SEA, Ultrasound Med Biol 1989; **15:** 13

lower-extremity vascular grafts placed for peripheral vascular disease: prospective evaluation with duplex Doppler sonography, Gooding GAW; Perez S; Rapp JH; Krupski WC, Radiology 1991; **180:** 379

noninvasive evaluation of vertebrobasilar insufficiency, Schneider PA; Rossman ME; Bernstein EF; et al, J Ultrasound Med 1991; **10:** 373

parasternal sonography of the internal mammary vessels: technique, normal anatomy, and lymphadenopathy, Scatarige JC; Hamper UM; Sheth S; Allen HA III, Radiology 1989; **172:** 453

percutaneous intravascular US as adjunct to catheter-based interventions: preliminary experience in patients with peripheral vascular disease, Isner JM; Rosenfield K; Losordo DW; Kelly S; Palefski P; Langevin RE; Razvi S; Pastore JO; Kosowsky BD, Radiology 1990; **175:** 61

postangiographic femoral artery injuries: nonsurgical repair with US-guided compression, Fellmeth BD; Roberts AC; Bookstein JJ; Freischlag JA; Forsythe JR; Buckner NK; Hye RJ, Radiology 1991; **178:** 671

postcatheterization femoral artery injuries: is there a role for nonsurgical treatment?, Dorfman GS; Cronan JJ, Radiology 1991; **178:** 629

precision of umbilical artery Doppler studies: intraobserver, interobserver, and biologic variability of fetal Doppler velocimetry, Thomas RL; Peng TCC; Eglinton GS; et al, J Ultrasound Med 1991; **10:** 201

pulsatile masses surrounding vascular prostheses: real-time US color flow imaging, Polak JF; Donaldson MC; Whittemore AD; Mannick JA; O'Leary DH, Radiology 1989; **170:** 363

quantitative measurement of abdominal arterial blood flow using image-directed Doppler ultrasonography: superior mesenteric, splenic, and common hepatic arterial blood flow in normal adults, Nakamura T; Moriyasu F; Ban N; et al, JCU 1989; **17:** 261

quickscan: Doppler ultrasound emulation of angiography—its value prior to arteriography in peripheral vascular disease, deSouza NM; King DH; Pilgrim P; et al, Br J Radiol 1991; **64:** 479

real-time and image-directed Doppler ultrasonography in deep femoral artery pseudoaneurysm: a new observation with graded compression of the femoral artery, Chou Y-H; Tiu C-M; Chiang BN; et al, JCU 1991; **19:** 438

real-time intravascular ultrasonic imaging before and after balloon angioplasty, Gussenhoven EJ; The SHK; Gerritsen P; et al, JCU 1991; **19:** 294

sonographic evaluation of superior mesenteric vascular relationship in malrotation, Loyer E; Eggli KD, Pediatr Radiol 1989; **19:** 173

superior mesenteric artery blood flow velocity and estimated volume flow: duplex Doppler US study of preterm and term neonates, Van Bel F; Van Zwieten PHT; Guit GL; Schipper J, Radiology 1990; **174:** 165

thickening at the root of the superior mesenteric artery on sonography: evidence of vascular involvement in patients with cancer of the pancreas, Kosuge T; Makuuchi M; Takayama T; et al, AJR 1991; **156:** 69

transcranial Doppler ultrasonography versus arteriography for assessment of the vertebrobasilar circulation, Mull M; Aulich A; Hennerici M, JCU 1990; **18:** 539

ultrasonic measurement of superficial femoral artery wall thickness, Beach KW; Isaac CA; Phillips DJ; et al, Ultrasound Med Biol 1989; **15:** 723

ultrasound case of the day, Mitchell DG; Blum L; Kurtz AB, Radiographics 1990; **10:** 366

umbilical and uterine artery flow velocity waveforms: effect of the sampling site on Doppler ratios, Mehalek KE; Rosenberg J; Berkowitz GS; et al, J Ultrasound Med 1989; **8:** 171

US location of the adductor canal hiatus: morphologic study, Scholten FG; Mali WPTM; Hillen B; van Leeuwen MS, Radiology 1989; **172:** 75

value of a random single Doppler study of the umbilical artery for predicting perinatal outcome, Abramowicz JS; Warsof SL; Sherer DM; et al, J Ultrasound Med 1991; **10:** 337

variation of Doppler ultrasound spectral width in the post-stenotic velocity field, Campbell JD; Hutchison KJ; Karpinski E, Ultrasound Med Biol 1989; **15:** 611

Arteries, uterine

sonographic appearance and significance of arcuate artery calcification, Occhipinti K; Kutcher R; Rosenblatt R, J Ultrasound Med 1991; **10:** 97

Arteries, vertebral

See Vertebral arteries

Arteries, vertebrobasilar

local intraarterial fibrinolysis is acute vertebrobasilar occlusion: technical developments and recent results, Zeumer H; Freitag H-J; Grzyska U; et al, Neuroradiol 1989; **31:** 336

MR imaging of vertebrobasilar vascular disease, Schwaighofer BW; Klein MV; Lyden PD; et al, JCAT 1990; **14:** 895

noninvasive evaluation of vertebrobasilar insufficiency, Schneider PA; Rossman ME; Bernstein EF; et al, J Ultrasound Med 1991; **10:** 373

radioclinical problems raised by megalodolichobasilar artery: 17 cases and a review of the literature, Brichaux JC; Gense D; Greselle JF; et al, J Neuroradiol 1989; **16:** 11

transcranial Doppler ultrasonography versus arteriography for assessment of the vertebrobasilar circulation, Mull M; Aulich A; Hennerici M, JCU 1990; **18:** 539

Arteriography

See Angiography

Arteriosclerosis

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3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ, Radiology 1991; **179:** 797

abnormal signal in deep white-matter infarction, Barnes D, Radiology 1989; **170:** 279

abnormal signal in deep white-matter infarction: reply, Bradley WG Jr; Marshall VG, Radiology 1989; **170:** 280

alterations of the dynamics in the arterial mesenteric circulation secondary to atherosclerosis: a new pitfall of GI bleeding studies with Tc-99m tagged RBCs, Oskin JE; Alexander JM; Bekerman C; et al, Clin Nucl Med 1991; **16:** 524

angioplasty and stenting of completely occluded iliac arteries, Rees CR; Palmaz JC; Garcia O; Roeren T; Richter GM; Gardiner G Jr; Schwarten DE; Schatz RA; Root HD; Rogers W, Radiology 1989; **172:** 953

angioplasty-induced dissections in human iliac arteries: management with Palmaz balloon-expandable intraluminal stents, Becker GJ; Palmaz JC; Rees CR; Ehrman KO; Lalka SG; Dalsing MC; Cikrit DF; McLean GK; Burke DR; Richter GM; Noeldge G; Garcia O; Waller BF; Castaneda-Zuniga WR, Radiology 1990; **176:** 31

angioplasty of an atherosclerotic middle cerebral artery associated with improvement in regional cerebral blood flow, Purdy PD; Devous MD Sr; Unwin DH; et al, AJNR 1990; **11:** 878

anomalous branching of the left common carotid artery with associated atherosclerotic changes: a case report, Lambiase RE; Haas RA; Carney WI Jr; et al, AJNR 1991; **12:** 187

aortic wall: an in vitro study of the double-line pattern in high-resolution US, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1990; **175:** 387

arterial segmental vasoconstriction in hypercholesterolaemic patients, Nilsson S; Berglund I; Christoffersson A; et al, Acta Radiol 1990; **31:** 333

arterial stent placement with use of the Wallstent: midterm results of clinical experience, Zollikofer CL; Antonucci F; Pfyffer M; Redha F; Salomonowitz E; Stuckmann G; Largiadèr I; Marty A, Radiology 1991; **179:** 449

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; **170:** 391

atherosclerosis, peripheral arterial disease and the vascular response to ketanserin, Janicek M; Grassi CJ; Meyerovitz M; et al, Invest Radiol 1990; **25:** 495

atherosclerosis-related measures in digitized femoral arteriograms, Nilsson S; Berglund I; Erikson U; et al, Acta Radiol 1991; **32:** 24

atherosclerotic rabbit iliac arteries: comparison of balloon angioplasty and laser-assisted balloon angioplasty, Consigny PM; Gardiner GA Jr, JVIR 1991; **2:** 253

can quantitative renography predict the outcome of treatment of atherosclerotic renal artery stenosis?, Gruenewald SM; Collins LT; Antico VF; et al, J Nucl Med 1989; **30:** 1946

changes in atheroma volume estimated from digitized femoral arteriograms, Nilsson S; Erikson U, Acta Radiol 1990; **31:** 249

changing arteriosclerotic disease patterns and management strategies in lower-limb-threatening ischemia, (ab), Veith FJ; Gupta SK; Wengerter KR; et al, Radiology 1991; **179:** 294

chemical shift imaging of atherosclerosis at 7.0 tesla, Maynor CH; Charles HC; Herfkens RJ; et al, Invest Radiol 1989; **24:** 52

computer analysis and pattern recognition of Doppler blood flow spectra for disease classification in the lower limb arteries, Allard L; Langlois YE; Durand L-G; et al, Ultrasound Med Biol 1991; **17:** 211

coronary arteries in cases of cardiac and noncardiac sudden death, (ab), Cliff WJ; Heathcote CR; Moss NS; et al, Radiology 1989; **171:** 590

degree of cervical carotid artery stenosis and hemispheric stroke: duplex US findings, Brown PB; Zwiebel WJ; Call GK, Radiology 1989; **170:** 541

demonstration of pedal arterial arcades in occlusive arteriosclerotic disease: conventional and digital subtraction angiography compared, Hol PK; Heldaas J; Skjennald A, Acta Radiol 1989; **30:** 61

double-line pattern of vessel walls at high-frequency US, Fitzgerald PJ; Yock PG, Radiology 1991; **179:** 878

double-line pattern of vessel walls at high-frequency US, Mercuri MF, Radiology 1991; **179:** 879

double-line pattern of vessel walls at high-frequency US: reply, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1991; **179:** 879

iliac artery stenosis and occlusion: preliminary results of treatment Gianturco with expandable metallic stents, Kichikawa K; Uchida H; Yoshioka T; Maeda M; Nishimine K; Kubota Y; Sakaguchi S; Ohishi H; Iwasaki S, Radiology 1990; **177:** 799

image analysis and quantification of atherosclerosis using MRI, Merickel MB; Carman CS; Brookeman JR; et al, Comput Med Imag Graph 1991; **15:** 207

indium-111-labeled LDL: a potential agent for imaging atherosclerotic disease and lipoprotein biodistribution, Rosen JM; Butler SP; Meinken GE; et al, J Nucl Med 1990; **31:** 343

initial results of laser recanalization in lower-extremity arterial reconstruction, (ab), Seeger JM; Abela GS; Silverman SH; et al, Radiology 1989; **172:** 887

intermittent claudication caused by atherosclerosis in patients aged forty years and younger, (ab), Valentine RJ; MacGillivray DC; DeNobile JW; et al, JVIR 1990; 1: 136

intravascular sonography in the detection of arteriosclerosis and evaluation of vascular interventional procedures, Engeler CE; Yedlicka JW; Letourneau JG; et al, AJR 1991; 156: 1087

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; 176: 523

magnetic resonance chemical shift imaging and spectroscopy of atherosclerotic plaque, Vinitski S; Consigny PM; Shapiro MJ; et al, Invest Radiol 1991; 26: 703

magnetic resonance imaging: a reliable test for the evaluation of proximal atherosclerotic renal arterial stenosis, (ab), Kent KC; Edelman RR; Kim D; et al, Radiology 1991; 181: 293

magnetic resonance imaging of lipid deposits in human atheroma via a stimulated-echo diffusion-weighted technique, Altbach MI; Mattingly MA; Brown MF; et al, Magn Res Med 1991; 20: 319

measurement of intima-media thickness of common carotid arteries with high-resolution B-mode ultrasonography: inter- and intra-observer variability, Salonen R; Haapanen A; Salonen JT, Ultrasound Med Biol 1991; 17: 225

miniaturization of catheter systems for angiography, Hawkins IF Jr; Akins EW, Radiology 1989; 172: 1015

optimal branching of human arterial bifurcations, Fanucci E; Orlacchio A; Pocek M; et al, Invest Radiol 1990; 25: 62

percutaneous transluminal angioplasty versus operation for peripheral arteriosclerosis: report of a prospective randomized trial in a selected group of patients, (ab), Wilson SE; Wolf GL; Cross AP; et al, Radiology 1989; 172: 886

peripheral arterial obstructions: analysis of patency 1 year after laser-assisted transluminal angioplasty, Nordstrom LA; Castaneda-Zuniga WR; Von Seegern KB, Radiology 1991; 181: 515

placement of balloon-expandable intraluminal stents in iliac arteries: first 171 procedures, Palmaz JC; Garcia OJ; Schatz RA; Rees CR; Roeren T; Richter GM; Noeldge G; Gardiner GA Jr; Becker GJ; Walker C; Stagg J; Katzen BT; Dake MD; Paolini RM; McLean GK; Lammer J; Schwarten DE; Tio FO; Root HD; Rogers W, Radiology 1990; 174: 969

radionuclide imaging of experimental atherosclerosis with nonspecific polyclonal immunoglobulin G, Fischman AJ; Rubin RH; Khaw BA; et al, J Nucl Med 1989; 30: 1095

restenosis and successful angioplasty: histologic-radiologic correlation, Roeren T; LeVeen RF; Villanueva T; Reisman J, Radiology 1989; 172: 971

self-expanding endovascular stent in experimental atherosclerosis: work in progress, Rousseau HP; Joffre FG; Raillat CR; Julian M; Pierragi MT; Chalabi F; Bouissou H, Radiology 1989; 170: 773

simultaneous aortic reconstruction and bilateral renal revascularization: is this a safe and effective procedure?, (ab), O'Mara CS; Maples MD; Kilgore TL Jr; et al, Radiology 1989; 171: 885

technical success, clinical success, and patency in laser angioplasty, Sanborn TA, Radiology 1989; 170: 576

technical success, clinical success, and patency in laser angioplasty: reply, Nordstrom LA, Radiology 1989; 170: 577

tissue characterization of atheromatous plaques: correlation between ultrasound image and histological findings, Goes E; Janssens W; Maillet B; et al, JCU 1990; 18: 611

treatment of symptomatic peripheral atherosclerotic disease with a rotational atherectomy device, (ab), Zacca NM; Raizner AE; Noon GP; et al, Radiology 1989; 172: 886

ultrasonographic features of carotid plaque and the risk of subsequent neurologic deficits, (ab), Sterpetti AV; Schultz RD; Feldhaus RJ; et al, Radiology 1989; 171: 883

value of T1-weighted images in the differentiation between MS, white matter lesions, and subcortical arteriosclerotic encephalopathy (SAE), Uhlenbrock D; Sehlen S, Neuroradiol 1989; 31: 203

young investigator award: Raman spectroscopy of human atherosclerotic plaque: implications for laser angioplasty, Redd DCB; Yue KT; Martin LG; Kaufman SL, JVIR 1991; 2: 247

Arteriovenous malformations

4-F coaxial catheter system for pediatric vascular occlusion with detachable balloons, Burrows PE; Lasjaunias P; TerBrugge KG, Radiology 1989; 170: 1091

angiographically occult arteriovenous malformations, (ab), Ogilvy CS; Heros RC; Ojemann RG; et al, Radiology 1989; 172: 293

arteriovenous malformation of the small bowel demonstrated during the flow phase of a Meckel's scan, Heyman S; McCarthy KE, Clin Nucl Med 1990; 15: 119

central retinal vein occlusion after treatment of cavernous dural arteriovenous malformation, Hashimoto M; Yokota A; Matsuoka S; et al, AJNR 1989; 10: S30

chronic arteriovenous fistulas masquerading as arteriovenous malformations: diagnostic considerations and therapeutic implications, Lawdahl RB; Routh WD; Vitek JJ; McDowell HA; Gross GM; Keller FS, Radiology 1989; 170: 1011

colour Doppler imaging of arteriovenous malformation of the vein of Galen in a newborn, Deeg KH; Scharf J, Neuroradiol 1990; 32: 60

embolization with particles in thoracic intramedullary arteriovenous malformations: long-term angiographic and clinical results, Biondi A; Merland J-J; Reizine D; Aymard A; Hodes JE; Lecoz P; Rey A, Radiology 1990; 177: 651

endovascular treatment of scalp arteriovenous fistulas associated with a large varix, Barnwell SL; Halbach VV; Dowd CF; Higashida RT; Hieshima GB, Radiology 1989; 173: 533

ethanol embolization of vascular malformations, Yakes WF; Luethke JM; Parker SH; Stavros AT; Rak KM; Hopper KD; Dreisbach JN; Griffin DJ; Seibert CE; Carter TE; Guilliland JD, Radiographics 1990; 10: 787

impaired cerebral vasoreactivity after embolization of arteriovenous malformations: assessment with serial acetazolamide challenge xenon CT, Tarr RW; Johnson DW; Horton JA; et al, AJNR 1991; 12: 417

intravascular embolization of a cerebellar arteriovenous malformation for treatment of hemifacial spasm, Yang PJ; Higashida RT; Halbach VV; et al, AJNR 1989; 10: 403

intravascular embolization of a congenital subclavian arteriovenous fistula, Yang PJ; Halbach VV; Higashida RT; et al, AJNR 1989; 10: S25

new liquid material for embolization of arteriovenous malformations, Taki W; Yonekawa Y; Iwata H; et al, AJNR 1990; 11: 163

soft-tissue venous malformations in children: percutaneous sclerotherapy with Ethibloc, Dubois JM; Sebag GH; De Prost Y; Teillac D; Chretien B; Brunelle FO, Radiology 1991; 180: 195

spontaneous resolution of arteriovenous malformation without hemorrhage, Megison P; Batjer HH; Purdy PD; et al, AJNR 1989; 10: 204

symptomatic vascular malformations: ethanol embolotherapy, Yakes WF; Haas DK; Parker SH; Gibson MD; Hopper KD; Mulligan JS; Pevsner PH; Johns JC Jr; Carter TE, Radiology 1989; 170: 1059

treatment of arteriovenous malformations of the mandible by arterial and venous embolization, Chiras J; Hassine D; Goudot P; et al, AJNR 1990; 11: 1191

unusual phrenic early arteriovenous malformation mimicking pulmonary sequestration with heart failure: two cases successfully treated by surgery, (ab), Wu M-H; Lue H-C; Hong C-R, Radiology 1990; 176: 886

vascular malformations of the brain stem, (ab), Chyatte D, Radiology 1990; 175: 293

Arteriovenous malformations, cerebral

arteriovenous malformations: locations and evolution in the fetal brain, Comstock CH; Kirk JS, J Ultrasound Med 1991; 10: 361

arteriovenous malformations of the brain: recent results of endovascular therapy, Fox AJ; Pelz DM; Lee DH, Radiology 1990; 177: 51

blood pressure changes in feeders to cerebral arteriovenous malformations during therapeutic embolization, Jungreis CA; Horton JA; Hecht ST, AJNR 1989; 10: 575

case report: spontaneous thrombosis of a cerebral arteriovenous malformation, Barker CS; Anslow PL, Clin Radiol 1990; 42: 130

cerebral arteriovenous malformation—an unusual site, Rathakrishnan V; Mohd TH; Kandiah R, Neuroradiol 1989; 31: 107

cerebral arteriovenous malformations associated with moyamoya phenomenon, Montanera W; Marotta TR; terBrugge KG; et al, AJNR 1990; 11: 1153

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; 176: 211

cerebral vascular malformations: applications of magnetic resonance imaging to differential diagnosis, Imakita S; Nishimura T; Yamada N; et al, Neuroradiol 1989; 31: 320

coexistence of cerebral infarct and arterovenous malformation demonstrated by Tc-99m HMPAO and Tc-99m RBC SPECT imaging, Gini A; Holmes RA, Clin Nucl Med 1989; 14: 303

comments on interventional neuroradiology, Chase NE, Radiology 1991; 178: 624

comparison of magnetic resonance angiography, magnetic resonance imaging and conventional angiography in cerebral arteriovenous malformation, Nüssel F; Wegmüller H; Huber P, Neuroradiol 1991; 33: 56

comparison of MR imaging with clinical history in the identification of hemorrhage in patients with cerebral arteriovenous malformations, Yousem DM; Flamm ES; Grossman RI, AJNR 1989; 10: 1151

embolization of arteriovenous malformations of the temporal lobe via the anterior choroidal artery, Hodes JE; Aymard A; Casasco A; et al, AJNR 1991; 12: 775

embolization of cerebral arteriovenous malformations with bucrylate: experience in a first series of 29 patients, Berthelsen B; Löfgren J; Svendsen P, Acta Radiol 1990; 31: 13

epileptogenic cerebral vascular malformations and MRI, Trussart V; Berry I; Manelfe C; et al, J Neuroradiol 1989; 16: 273

heavy charged-particle stereotactic radiosurgery: cerebral angiography and CT in the treatment of intracranial vascular malformations, Phillips MH; Frankel KA; Lyman JT; et al, Int J Radiat Oncol Biol Phys 1989; 17: 419

hemodynamics of the central nervous system arteriovenous malformation nidus during particulate embolization: a computer model, Hecht ST; Horton JA; Kerber CW, Neuroradiol 1991; 33: 62

hemorrhage in intracerebral arteriovenous malformations: angiographic determinants, Marks MP; Lane B; Steinberg GK; Chang PJ, Radiology 1990; 176: 807

imaging of cerebral arterio-venous malformations by transcranial colour-coded real-time sonography, Becker GM; Winkler J; Hoffmann E; et al, Neuroradiol 1990; 32: 280

interventional neuroradiology, Eskridge JM, Radiology 1989; 172: 991

intracerebral and spinal vascular malformation in a patient without hereditary haemorrhagic telangectasia, Moss JG; Sellar RJ; Hadley DM, Neuroradiol 1989; 31: 280

intracerebral arteriovenous malformations: evaluation with selective MR angiography and venography, Edelman RR; Wentz KU; Mattle HP; O'Reilly GV; Candia G; Liu CP; Zhao B; Kjellberg RN; Davis KR, Radiology 1989; **173:** 831

intracerebral arteriovenous malformations: intraoperative color Doppler flow imaging, Rubin JM; Hatfield MK; Chandler WF; Black KL; DiPietro MA, Radiology 1989; **170:** 219

intracranial aneurysms and vascular malformations: comparison of time-of-flight and phase-contrast MR angiography, Huston J III; Rufenacht DA; Ehman RL; Wiebers DO, Radiology 1991; **181:** 721

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

intratemporal vascular tumors: detection with CT and MR imaging, Lo WWM; Shelton C; Waluch V; Solti-Bohman LG; Carberry JN; Brackmann DE; Wade CT, Radiology 1989; **171:** 445

multiple cerebral arteriovenous malformations (AVMs): review of our experience from 203 patients with cerebral vascular lesions, Willinsky RA; Lasjaunias P; Terbrugge K; et al, Neuroradiol 1990; **32:** 207

natural history of symptomatic arteriovenous malformations of the brain: a 24-year follow-up assessment, (ab), Ondra SL; Troupp H; George ED; et al, JVIR 1991; **2:** 301

neurovascular lesions and endovascular therapy: the role of MR, Jabour BA; Dion JE; Lufkin R; et al, Neuroradiol 1989; **31:** 341

occult cerebrovascular malformations: follow-up with MR imaging, Sigal R; Krief O; Houtteville JP; Halimi P; Doyon D; Pariente D, Radiology 1990; **176:** 815

peripheral cerebral arteriovenous malformation in an infant: assessment by transcranial color flow mapping, Vaksmann G; Jardin M; Mauran P; et al, JCU 1990; **18:** 215

persistent nidus blood flow in cerebral arteriovenous malformation after stereotactic radiosurgery: MR imaging assessment, Quisling RG; Peters KR; Friedman WA; Tart RP, Radiology 1991; **180:** 785

preoperative embolization of arteriovenous malformations with polylene threads: techniques with wing microcatheter and pathologic results, Benati A; Beltramello A; Colombari R; et al, AJNR 1989; **10:** 579

preoperative embolization of cerebral arteriovenous malformations with polyvinyl alcohol particles: experience in 51 adults, Purdy PD; Samson D; Batjer HH; et al, AJNR 1990; **11:** 501

pressure changes in the arterial feeder to a cerebral AVM as a guide to monitoring therapeutic embolization, Jungreis CA; Horton JA, AJNR 1989; **10:** 1057

radiosurgery of cerebral arteriovenous malformations with the dynamic stereotactic irradiation, Souhami L; Olivier A; Podgorsak EB; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 775

revascularization of brain arteriovenous malformations after embolization with bucrylate, Fournier D; Terbrugge K; Rodesch G; et al, Neuroradiol 1990; **32:** 497

spontaneous closure of an intracranial middle cerebral arteriovenous fistula, Santosh C; Teasdale E; Molyneux A, Neuroradiol 1991; **33:** 65

treatment of arteriovenous malformations of the brain with combined embolization and stereotactic radiosurgery: results after 1 and 2 years, Dawson RC III; Tarr RW; Hecht ST; et al, AJNR 1990; **11:** 857

treatment of cerebral arteriovenous malformations with PVA: results and analysis of complications, Schumacher M; Horton JA, Neuroradiol 1991; **33:** 101

use of acetazolamide-challenge xenon CT in the assessment of cerebral blood flow dynamics in patients with arteriovenous malformations, Tarr RW; Johnson DW; Rutigliano M; et al, AJNR 1990; **11:** 441

use of a new mixture for embolization of intracranial vascular malformations: preliminary experimental experience, Lylyk P; Viñuela F; Vinters HV; et al, Neuroradiol 1990; **32:** 304

vascular characteristics of intracerebral arteriovenous malformations in patients with clinical steal, Marks MP; Lane B; Steinberg G; et al, AJNR 1991; **12:** 489

Wyburn-Mason syndrome: a case report and review of the literature, Patel U; Gupta SC, Neuroradiol 1990; **31:** 544

Arteriovenous malformations, cranial

cranial arteriovenous malformations in neonates: color Doppler imaging with angiographic correlation, Tessler FN; Dion J; Viñuela F; et al, AJR 1989; **153:** 1027

dural arteriovenous fistulas: evaluation with MR imaging, De Marco JK; Dillon WP; Halbach VV; Tsuruda JS, Radiology 1990; **175:** 193

external carotid artery embolization of dural arteriovenous malformations involving the cavernous sinus: outcome and role of venous thrombosis, Hirabuki N; Mitomo M; Miura T; et al, Acta Radiol 1990; **31:** 197

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intracranial arteriovenous malformations: current imaging and treatment, Graves VB; Duff TA, Invest Radiol 1990; **25:** 952

natural history of unruptured intracranial arteriovenous malformations, (ab), Brown RD Jr; Wiebers DO; Forbes G; et al, Radiology 1989; **170:** 290

role of stereotactic radiosurgery with a linear accelerator in treatment of intracranial arteriovenous malformations and tumors in children, (ab), Loeffler JS; Rossitch E Jr; Siddon RL; et al, Radiology 1990; **177:** 598

stereotactic radiosurgery for intracranial arteriovenous malformations using a standard linear accelerator, Loeffler JS; Alexander E III; Siddon RL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 673

Arteriovenous malformations, dural

acquired mural (dural) arteriovenous shunts of the vein of Galen: report of 4 cases, Fournier D; Rodesch G; Terbrugge K; et al, Neuroradiol 1991; **33:** 52

Arteriovenous malformations, extremities

case report 649, Kransdorf MJ; McFarland DR; Moser RP Jr; et al, Skeletal Radiol 1991; **20:** 63

case report 671, Gould ES; Potter HG; Huvos A; et al, Skeletal Radiol 1991; **20:** 303

iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB, Radiology 1989; **170:** 749

nuclear magnetic resonance imaging: its diagnostic value in patients with congenital vascular malformations of the limbs, (ab), Pearce WH; Rutherford RB; Whitehill TA; et al, Radiology 1989; **170:** 292

peripheral arteriovenous malformation: diagnosis and localization by intraarterial injection of technetium-99m-MAA, Lee MJ; Dowsett DJ; Ennis JT, J Nucl Med 1990; **31:** 1557

therapeutic embolization: enhanced radiolabeled monitoring, duCret RP; Adkins MC; Hunter DW; Yedlicka JW; Engeler CM; Castaneda-Zuniga WR; Amplatz K; Sirr SA; Boudreau RJ; Kuni CC; White JG, Radiology 1990; **177:** 571

Arteriovenous malformations, hepatic

mortalities associated with use of a commercial suspension of polyvinyl alcohol, Repa I; Moradian GP; Dehner LP; Tadavarthy SM; Hunter DW; Castaneda-Zuniga WR; Wright GB; Katkov H; Johnson P; Chrenka B; Amplatz K, Radiology 1989; **170:** 395

multiple collaterals to hepatic infantile hemangioendotheliomas and arteriovenous malformations: effect on embolization, Fellows KE; Hoffer FA; Markowitz RI; O'Neill JA Jr, Radiology 1991; **181:** 813

variations in the vascular supply to infantile hepatic hemangioendotheliomas, Burrows PE, Radiology 1991; **181:** 631

Arteriovenous malformations, intestinal

case report: portal hypertension secondary to sigmoid colon arteriovenous malformation, Manns RA; Vickers CR; Chesner IM; et al, Clin Radiol 1990; **42:** 203

diffuse intestinal arteriovenous malformation in a child, Park JM; Yeon KM; Han MC; et al, Pediatr Radiol 1991; **21:** 314

Arteriovenous malformations, intracranial

angiographic technique to precede gamma knife radiosurgery for intracranial arteriovenous malformations, Sadler LR; Jungreis CA; Lunsford LD; et al, AJNR 1990; **11:** 1157

image correlation of MRI and CT in treatment planning for radiosurgery of intracranial vascular malformations, Phillips MH; Kessler M; Chuang FYS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 881

posterior fossa arteriovenous malformations: angioarchitecture in relation to their hemorrhagic episodes, Monaco RG; Alvarez H; Goulao A; et al, Neuroradiol 1990; **31:** 471

superselective ophthalmic angiography for diagnostic and therapeutic use, Tsai FY; Wadley D; Angle JF; et al, AJNR 1990; **11:** 1203

Arteriovenous malformations, pelvic

gynecologic vascular abnormalities: diagnosis with Doppler US, Jain KA; Jeffrey RB Jr; Sommer FG, Radiology 1991; **178:** 549

pelvic arteriovenous malformation diagnosed by color flow Doppler imaging, Abu Musa A; Hata T; Hata K; et al, AJR 1989; **152:** 1311

Arteriovenous malformations, pulmonary

coil embolization in the treatment of pulmonary arteriovenous malformations, Hartnell GG; Allison DJ, J Thorac Imag 1989; **4-1:** 81

coil embolization of pulmonary arteriovenous malformations, Hartnell GG; Jackson JE; Allison DJ, Cardiovasc Intervent Radiol 1990; **13:** 347

effect of percutaneous transcatheter embolization on pulmonary function, right-to-left shunt, and arterial oxygenation in patients with pulmonary arteriovenous malformations, (ab), Chilvers ER; Whyte MKB; Jackson JE; et al, Radiology 1991; **178:** 587

pulmonary arteriovenous malformations: diagnosis by gradient-refocused MR imaging, Dinsmore BJ; Gefter WB; Hatabu H; et al, JCAT 1990; **14:** 918

Arteriovenous malformations, renal

congenital renal arteriovenous malformations in infancy: the imaging features in two infants with hypertension, Macpherson RI; Fyfe D; Aaronson IA, Pediatr Radiol 1991; **21:** 108

percapsular and percutaneous embolization of renal transplant pseudoaneurysm and AV fistula: case report, Sennett CA; Messersmith RN; Yousefzadeh DK; et al, Cardiovasc Intervent Radiol 1989; **12:** 270

renal arteriovenous malformations: CT features, Honda H; Onitsuka H; Naitou S; et al, JCAT 1991; **15:** 261

ultrasound case of the day, King BF; Hattery RR, Radiographics 1990; **10:** 1101

Arteriovenous malformations, spinal

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intracerebral and spinal vascular malformation in a patient without hereditary haemorrhagic telangectasia, Moss JG; Sellar RJ; Hadley DM, Neuroradiol 1989; **31:** 280

paravertebral arteriovenous malformation with venous connection to left iliac vein: report of a case, Matsunaga N; Hayashi K; Aikawa H; et al, Acta Radiol 1989; **30:** 487

Arteritis

case report: cerebral arteritis with unusual distribution, Husein AMA; Haq N, Clin Radiol 1990; **41:** 353

comprehensive analysis of perfusion scintigraphy in Takayasu's arteritis, Umehara I; Shibuya H; Nakagawa T; et al, Clin Nucl Med 1991; **16:** 352

diagnosis of polyarteritis nodosa. I. a literature-based decision analysis approach, (ab), Albert DA; Rimon D; Silverstein MD, Radiology 1989; **171:** 886

diagnosis of polyarteritis nodosa. II. empirical verification of a decision analysis model, (ab), Albert DA; Silverstein MD; Paunicka K; et al, Radiology 1989; **171:** 886

diagnostic significance of angiographically observed visceral aneurysms with regard to polyarteritis nodosa, Hekali P; Kajander H; Pajari R; et al, Acta Radiol 1991; **32:** 143

hepatocellular carcinoma associated with polyarteritis nodosa with symptoms appearing after intra-arterial chemotherapy, Minakuchi K; Fujimoto K; Takada K; et al, Br J Radiol 1991; **64:** 272

intravenous digital subtraction angiography in non-specific aorto-arteritis, Sharma S; Aggarwal S; Talwar KK; et al, Br J Radiol 1989; **62:** 117

pulmonary angiitis and granulomatosis, Staples CA, Radiol Clin North Am 1991; **29:** 973

rare cause of splenic infarct and fleeting pulmonary infiltrates: polyarteritis nodosa, Nguyen VD, Comput Med Imag Graph 1991; **15:** 61

Arthritis

arthritis associated with HIV infection: radiographic manifestations, Rosenberg ZS; Norman A; Solomon G, Radiology 1989; **173:** 171

arthritis: roles of radiography and other imaging techniques in evaluation, Kaye JJ, Radiology 1990; **177:** 601

case report 591, Lagier R, Skeletal Radiol 1990; **19:** 69

early-onset primary osteoarthritis and mild chondrodysplasia: radiographic and pathologic studies with an analysis of cartilage proteoglycans, (ab), Katzenstein PL; Malemud CJ; Pathria MN; et al, Radiology 1990; **177:** 894

erosive osteoarthritis: is it a separate disease entity?, Cobby M; Cushnaghan J; Creamer P; et al, Clin Radiol 1990; **42:** 258

estrogen use and radiographic osteoarthritis of the knee in women: the Framingham Osteoarthritis Study, (ab), Hannan MT; Felson DT; Anderson JJ; et al, Radiology 1990; **177:** 294

examination of subchondral bone architecture in experimental osteoarthritis by microscopic computed axial tomography, (ab), Layton MW; Goldstein SA; Goulet RW; et al, Radiology 1989; **172:** 294

high-resolution NMR imaging of an antigen-induced arthritis in the rabbit knee, Checkley D; Johnstone D; Taylor K; et al, Magn Res Med 1989; **11:** 221

imaging of inflammatory arthritis with technetium-99m-labeled IgG, Breedveld FC; van Kroonenburgh MJPG; Camps JAJ; et al, J Nucl Med 1989; **30:** 2017

magnetic resonance imaging reflects cartilage proteoglycan degradation in the rabbit knee, Paul PK; O'Byrne E; Blancuzzi V; et al, Skeletal Radiol 1991; **20:** 31

MRI demonstration of hypertrophic articular cartilage repair in osteoarthritis, Braunstein EM; Brandt KD; Albrecht M, Skeletal Radiol 1990; **19:** 335

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; **174:** 915

musculoskeletal radiology: RSNA '90 meeting notes, Murphy WA Jr; Conway WF; De Smet AA; Kaplan PA; Kneeland JB, Radiology 1991; **178:** 914

osteoarthritis: a review of old myths and current concepts, Alexander CJ, Skeletal Radiol 1990; **19:** 327

osteoarthritis revisited, Watt I; Dieppe P, Skeletal Radiol 1990; **19:** 1

pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345

physical bone changes in carrageheenin-induced arthritis evaluated by quantitative computed tomography, Søballe K; Pedersen CM; Odgaard A; et al, Skeletal Radiol 1991; **20:** 345

plain-film diagnosis of joint disease, Dussault RG; Samson L; Fortin M-T, J Canad Assoc Radiol 1991; **42:** 87

quantification of fluid changes in rat leg joints with adjuvant arthritis by a one-dimensional magnetic resonance imaging experiment, Borah B; Szeverenyi NM, Magn Res Med 1990; **15:** 246

relationship between the utilisation profile of individual joints and their susceptibility to primary osteoarthritis, Alexander CJ, Skeletal Radiol 1989; **18:** 199

sacroiliitis: MR imaging findings, Murphey MD; Wetzel LH; Bramble JM; Levine E; Simpson KM; Lindsley HB, Radiology 1991; **180:** 239

triple-phase bone image abnormalities in Lyme arthritis, Brown SJ; Dadparvar S; Slizofski WJ; et al, Clin Nucl Med 1990; **14:** 730

unified approach to symptomatic juxtasternal arthritis and enthesitis, Katz ME; Shier CK; Ellis BI; et al, AJR 1989; **153:** 327

young female with knee pain, Point SW; Aruny JE; Logsdon G, Invest Radiol 1990; **25:** 295

Arthritis, degenerative

CT findings of degenerative arthritis of the atlantoodontoid joint, Genez BM; Willis JJ; Lowrey CE; et al, AJR 1990; **154:** 315

osteophytosis of the knee: anatomic, radiologic, and pathologic investigation, Kindynis P; Haller J; Kang HS; Resnick D; Sartoris DJ; Trudell D; Tyson R, Radiology 1990; **174:** 841

Arthritis, in infants and children

carpo-metacarpal growth disturbance and the assessment of carpal narrowing in children with juvenile rheumatoid arthritis, Zerin JM; Rockwell DT; Garn SM; et al, Invest Radiol 1991; **26:** 727

evaluation of the measurement methods for protrusio acetabuli in normal children, Gusis SE; Babini JC; Garay SM; et al, Skeletal Radiol 1990; **19:** 279

inflammatory disorders of the vertebral column: seronegative spondyloarthropathies, adult-onset rheumatoid arthritis, and juvenile chronic arthritis, Resnick D, Clin Imag 1989; **13:** 253

ulnar variance in children—standard measurements for evaluation of ulnar shortening in juvenile rheumatoid arthritis, hereditary multiple exostosis and other bone or joint disorders in childhood, Hafner R; Poznanski AK; Donovan JM, Skeletal Radiol 1989; **18:** 513

Arthritis, psoriatic

arthritis associated with HIV infection: radiographic manifestations, Rosenberg ZS; Norman A; Solomon G, Radiology 1989; **173:** 171

psoriatic arthritis and acquired immunodeficiency syndrome, (ab), Espinoza LR; Berman A; Vasey FB; et al, Radiology 1989; **171:** 294

rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Larheim TA; Smith H-J; Aspestrand F, Radiology 1990; **175:** 527

Arthritis, rheumatoid

axial bone density in rheumatoid arthritis: comparison of dual-energy projection radiography and dual-photon absorptiometry, O'Malley M; Kenrick AJ; Sartoris DJ; Hochberg AM; Weisman MH; Ramos E; Zvaifler N; Resnick D, Radiology 1989; **170:** 501

carpo-metacarpal growth disturbance and the assessment of carpal narrowing in children with juvenile rheumatoid arthritis, Zerin JM; Rockwell DT; Garn SM; et al, Invest Radiol 1991; **26:** 727

case report 511, Hernandez RJ; Headington JT; Kaufman RA; et al, Skeletal Radiol 1989; **18:** 43

cranial subluxation of the odontoid process in rheumatoid arthritis, (ab), Slätis P; Santavirta S; Sandelin J; et al, Radiology 1989; **173:** 293

cystic rheumatoid arthritis: description of a nonerosive form, Gubler FM; Maas M; Dijkstra PF; de Jongh HR, Radiology 1990; **177:** 829

diagnostic imaging of the occipito-cervical junction in patients with rheumatoid arthritis: plain films, computed tomography, magnetic resonance imaging, Fezoulidis I; Neuhold A; Wicke L; et al, Eur J Radiol 1989; **9:** 5

evaluation of pachymeningitis by contrast-enhanced MR imaging in a patient with rheumatoid disease, Yuh WTC; Drew JM; Rizzo M; et al, AJNR 1990; **11:** 1247

gadolinium-DTPA in rheumatoid arthritis and related diseases: first results with dynamic magnetic resonance imaging, Reiser MF; Bongartz GP; Erlemann R; et al, Skeletal Radiol 1989; **18:** 591

inflammatory disorders of the vertebral column: seronegative spondyloarthropathies, adult-onset rheumatoid arthritis, and juvenile chronic arthritis, Resnick D, Clin Imag 1989; **13:** 253

iodine-131 uptake in a patient with thyroid cancer and rheumatoid arthritis during acupuncture treatment, Otsuka N; Fukunaga M; Morita K; et al, Clin Nucl Med 1990; **15:** 29

lymphoid irradiation in intractable rheumatoid arthritis: long-term followup of patients treated with 750 rads or 2,000 rads, (ab), Soden M; Hassan J; Scott DL; et al, Radiology 1989; **173:** 886

MR imaging of the knee in acute rheumatoid arthritis: synovial uptake of gadolinium-DOTA, Björkengren AG; Geborek P; Rydholm U; et al, AJR 1990; **155:** 329

MRI of the cervical spine: rheumatoid arthritis compared with cervical spondylosis, Glew D; Watt I; Dieppe PA; et al, Clin Radiol 1991; **44:** 71

nodular pulmonary opacities in patients with rheumatoid arthritis: a diagnostic dilemma, (ab), Jolles H; Mosley PL; Peterson MW, Radiology 1990; **175:** 588

pre- and postoperative MR imaging of the craniocervical junction in rheumatoid arthritis, Larsson E-M; Holtås S; Zygmunt S, AJNR 1989; **10:** 89

problems with the Steinbrocker staging system for radiographic assessment of the rheumatoid hand and wrist, Kaye JJ; Fuchs HA; Moseley JW; et al, Invest Radiol 1990; **25:** 536

progression of erosion and joint space narrowing scores in rheumatoid arthritis during the first 25 years of disease, (ab), Sharp JT; Wolfe F; Mitchell DM; et al, Radiology 1991; **181:** 912

rapid periarticular bone loss in rheumatoid arthritis: possible promotion by normal circulating concentrations of parathyroid hormone or calcitriol (1,25-dihydroxyvitamin D_3), (ab), Sambrook PN; Shawe D; Hesp R; et al, Radiology 1990; **177:** 894

rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Larheim TA; Smith H-J; Aspestrand F, Radiology 1990; **175:** 527

rheumatoid aortitis: a rarely recognized but clinically significant entity, (ab), Gravallese EM; Corson JM; Coblyn JS; et al, Radiology 1989; **173:** 587

rheumatoid knee: role of gadopentetate-enhanced MR imaging, Kursunoglu-Brahme S; Riccio T; Weisman MH; Resnick D; Zvaifler N; Sanders ME; Fix C, Radiology 1990; **176:** 831

rheumatologic manifestations of infection with human immunodeficiency virus (HIV), (ab), Kaye BR, Radiology 1990; **174:** 592

sex hormone status and osteoporosis in postmenopausal women with rheumatoid arthritis, (ab), Sambrook PN; Eisman JA; Champion GD, Radiology 1989; **171:** 294

simplified twenty-eight-joint quantitative articular index in rheumatoid arthritis, (ab), Fuchs HA; Brooks RH; Callahan LF; et al, Radiology 1989; **173:** 886

soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Fornage BD, Radiology 1989; **173:** 735

surgery of the rheumatoid wrist: postoperative appearances and complications of the more common procedures, Cope R, Skeletal Radiol 1989; **17:** 576

treatment of the cervical spine in rheumatoid arthritis, (ab), Santavirta S; Slätis P; Kankaanpää U; et al, Radiology 1989; **170:** 587

ulnar variance in children—standard measurements for evaluation of ulnar shortening in juvenile rheumatoid arthritis, hereditary multiple exostosis and other bone or joint disorders in childhood, Hafner R; Poznanski AK; Donovan JM, Skeletal Radiol 1989; **18:** 513

ultrasonic appearance of secondary amyloidosis involving the stomach in rheumatoid arthritis, Kawamura S; Imai A; Kawamura M; et al, JCU 1991; **19:** 421

use of the radiograph to measure the course of rheumatoid arthritis: the gold standard versus fool's gold, (ab), Brower AC, Radiology 1990; **176:** 885

Arthritis, septic

anterior chest wall involvement in patients with pustulosis palmoplantaris, Jurik AG, Skeletal Radiol 1990; **19:** 271

case report 627, Rousselin B; Gires F; Vallée C; et al, Skeletal Radiol 1990; **19:** 453

case report 678, Ortiz O; Lefkovitz Z, Skeletal Radiol 1991; **20:** 376

femoral and acetabular photopenia associated with septic hip arthritis, Williamson BRJ; Sistrom CL, Clin Nucl Med 1991; **16:** 52

septic arthritis of a lumbar facet joint: detection with bone SPECT imaging, Swayne LC; Dorsky S; Caruana V; et al, J Nucl Med 1989; **30:** 1408

septic arthritis of the C1-C2 lateral facet joint and torticollis: pseudo-Grisel's syndrome, (ab), Halla JT; Bliznak J; Hardin JG; et al, Radiology 1991; **180:** 295

septic arthritis of the shoulder in adults, (ab), Leslie BM; Harris JM; Driscoll D, Radiology 1990; **176:** 296

septic *Haemophilus influenzae* polyarthritis demonstrated best with Tc-99m HMPAO labeled leukocytes, Vorne M; Salo S; Anttolainen I; et al, Clin Nucl Med 1990; **15:** 883

sonography of hip joint in infective arthritis, Shiv VK; Jain AK; Taneja K; et al, J Canad Assoc Radiol 1990; **41:** 76

treatment of suppurative arthritis by percutaneous catheter drainage, Renner JB; Agee MW, AJR 1990; **154:** 135

Arthrography

See also under names of specific joints, such as Ankle; Hip; Knee; Wrist; etc.

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99

coronal radiographs and videofluoroscopy improve the diagnostic quality of temporomandibular joint arthrography, Duvoisin B; Klaus E; Schnyder P, AJR 1990; **155:** 105

temporomandibular joint dysfunction: correlation of MR imaging, arthrography, and arthroscopy, Rao VM; Farole A; Karasick D, Radiology 1990; **174:** 663

Arthrography, contrast media

comparison of Omnipaque with Hypaque in temporomandibular arthrography, Kaplan PA; Lieberman RP; Chu W-K, AJR 1989; **153:** 1225

knee arthrography: comparison of iotrolan and ioxaglate sodium meglumine, Obermann WR; Bloem JL; Hermans J, Radiology 1989; **173:** 197

three-compartment wrist arthrography: use of a low-iodine-concentration contrast agent to decrease study time, Conway WF; Hayes CW, Radiology 1989; **173:** 569

wrist arthrography, Hall FM, Radiology 1990; **175:** 585

wrist arthrography, Levinsohn EM; Rosen D, Radiology 1991; **178:** 580

wrist arthrography: reply, Conway WF; Hayes CW, Radiology 1990; **175:** 586

Arthrography, technology

diagnostic potential of double contrast arthrography of the knee with the digital technique, Lupi L; Corcione S; Cervi PM; et al, Skeletal Radiol 1991; **20:** 5

Arthroscopy

knee after partial meniscectomy: MR imaging features, Smith DK; Totty WG, Radiology 1990; **176:** 141

meniscal tears diagnosed with MR imaging versus arthroscopy: how reliable a standard is arthroscopy?, Quinn SF; Brown TF, Radiology 1991; **181:** 843

relationship between arthroscopic evidence of cartilage damage and radiographic evidence of joint space narrowing in early osteoarthritis of the knee, (ab), Fife RS; Brandt KD; Braunstein EM; et al, Radiology 1991; **181:** 614

temporomandibular joint dysfunction: correlation of MR imaging, arthrography, and arthroscopy, Rao VM; Farole A; Karasick D, Radiology 1990; **174:** 663

Asbestos

asbestos and colorectal cancer, (ab), Weiss W, Radiology 1991; **178:** 896

asbestos exposure and asbestos-related pleural and parenchymal disease: associations with immune imbalance, (ab), Sprince NL; Oliver LC; McLoud TC; et al, Radiology 1991; **181:** 908

cellular and molecular basis of the asbestos-related diseases, (ab), Rom WN; Travis WD; Brody AR, Radiology 1991; **180:** 884

computed tomography in the diagnosis of asbestos-related thoracic disease, Gamsu G; Aberle DR; Lynch D, J Thorac Imag 1989; **4-1:** 61

computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure, Friedman AC; Fiel SB; Radecki PD; et al, Semin US CT MR 1990; **11:** 393

conventional and high resolution computed tomography in the diagnosis of asbestos-related diseases, Lynch DA; Gamsu G; Aberle DR, Radiographics 1989; **9:** 523

costal pleura: appearances at high-resolution CT, Im J-G; Webb WR; Rosen A; Gamsu G, Radiology 1989; **171:** 125

CT findings in malignant pleural mesothelioma related to nonoccupational exposure to asbestos and fibrous zeolite (erionite), Erzen C; Eryilmaz M; Kalyoncu F; et al, JCAT 1991; **15:** 256

degree of roentgenographic parenchymal opacities attributable to smoking among asbestos-exposed subjects, (ab), Barnhart S; Thornquist M; Omenn GS; et al, Radiology 1990; **177:** 890

high resolution computed tomography and lung function in asbestos-exposed workers with normal chest radiographs, (ab), Staples CA; Gamsu G; Ray CS; et al, Radiology 1989; **173:** 883

high-resolution computed tomography of asbestos-related diseases, Aberle DR, Semin Roentgenol 1991; **26:** 118

malignant fibrous histiocytoma of the lung in a patient with a history of asbestos exposure, Reifsnyder AC; Smith HJ; Mulhollan TJ; et al, AJR 1990; **154:** 65

relation among pulmonary function, chest roentgenographic abnormalities, and smoking status in an asbestos-exposed cohort, (ab), Rosenstock L; Barnhart S; Heyer NJ; et al, Radiology 1989; **171:** 586

relation of lung function to radiographic reading (ILO) in patients with asbestos related lung disease, (ab), Cotes JE; King B, Radiology 1989; **171:** 881

relationship between respiratory impairment and asbestos-related pleural abnormality in an active work force, (ab), Bourbeau J; Ernst P; Chrome J; et al, Radiology 1991; **179:** 293

roentgenographic evidence for predominant left-sided location of unilateral pleural plaques, (ab), Withers BF; Ducatman AM; Yang WN, Radiology 1990; **174:** 290

screening for asbestos-related pleural disease with digital storage phosphor radiography, Schaefer CM; Greene RE; Oliver LC; et al, Invest Radiol 1990; **25:** 645

smoking and roentgenographic opacities in US Navy asbestos workers, (ab), Ducatman AM; Withers BF; Yang WN, Radiology 1990; **177:** 291

Asbestosis

asbestos exposure and asbestos-related pleural and parenchymal disease: associations with immune imbalance, (ab), Sprince NL; Oliver LC; McLoud TC; et al, Radiology 1991; **181:** 908

asbestosis: high-resolution CT–pathologic correlation, Akira M; Yamamoto S; Yokoyama K; Kita N; Morinaga K; Higashihara T; Kozuka T, Radiology 1990; **176:** 389

cellular and molecular basis of the asbestos-related diseases, (ab), Rom WN; Travis WD; Brody AR, Radiology 1991; **180:** 884

computed tomography in the diagnosis of asbestos-related thoracic disease, Gamsu G; Aberle DR; Lynch D, J Thorac Imag 1989; **4-1:** 61

conventional and high resolution computed tomography in the diagnosis of asbestos-related diseases, Lynch DA; Gamsu G; Aberle DR, Radiographics 1989; **9:** 523

detection of asbestosis with high-resolution CT, Friedman AC; Radecki PD; Fiel SB, Radiology 1989; **170:** 278

detection of asbestosis with high-resolution CT: reply, Aberle DR; Gamsu G, Radiology 1989; **170:** 278

early asbestosis: evaluation with high-resolution CT, Akira M; Yokoyama K; Yamamoto S; Higashihara T; Morinaga K; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1991; **178:** 409

high resolution computed tomography and lung function in asbestos-exposed workers with normal chest radiographs, (ab), Staples CA; Gamsu G; Ray CS; et al, Radiology 1989; **173:** 883

occupational lung disease, McLoud TC, Radiol Clin North Am 1991; **29:** 931

relation of lung function to radiographic reading (ILO) in patients with asbestos related lung disease, (ab), Cotes JE; King B, Radiology 1989; **171:** 881

roentgenographic underestimation of early asbestosis by International Labor Organization classification: analysis of data and probabilities, (ab), Rockoff SD; Schwartz A, Radiology 1989; **170:** 288

Ascariasis

ultrasonography of intestinal ascaris, Peck RJ, JCU 1990; **18:** 741

Ascites

chylous ascites after whole-abdomen irradiation for gynecologic malignancy, Lentz SS; Schray MF; Wilson TO, Int J Radiat Oncol Biol Phys 1990; **19:** 435

CT of intra-abdominal fluid collections, Churchill RJ, Radiol Clin North Am 1989; **27:** 653

delayed enhancement of ascites following high-dose contrast CT for liver metastases, Minutoli A; Volta S; Gaeta M, JCAT 1989; **13:** 916

demonstration of abnormal peritoneal communication in patients with ascites, Recoskie MJ; Picard D; Picard M; et al, Clin Nucl Med 1990; **15:** 97

Doppler ultrasonographic evaluation of Denver (peritoneovenous) shunts in two patients with intractable ascites, Zegel HG; Brisson LJ; Frost S; et al, J Ultrasound Med 1991; **10:** 457

extraperitoneal mass effect by ascites under tension, Baer JW, Gastrointest Radiol 1990; **15:** 3

loculated ascites producing extramural ureteral obstruction—demonstration on technetium-99m DTPA imaging and ultrasonography, Prakash R; Gupta RK; Chopra MK; et al, Clin Nucl Med 1989; **14:** 779

malignant biliary obstruction complicated by ascites: transjugular insertion of an expandable metallic endoprosthesis, Ring EJ; Gordon RL; LaBerge JM; Shapiro HA, Radiology 1991; **180:** 579

mediastinal pseudotumor due to passage of ascites through the esophageal hiatus, Pandolfo I; Gaeta M; Scribano E; et al, Gastrointest Radiol 1989; **14:** 209

opacification of ascitic fluid on delayed contrast computed tomography scans, Hammerman AM; Oberle PA; Susman N, Clin Imag 1990; **14:** 221

peritoneal carcinomatosis with ascites, Goerg C; Schwerk W-B, AJR 1991; **156:** 1185

pleuroperitoneal communication associated with malignant ascites: a potential cause for new pleural effusion suggestive of pulmonary embolism, Jacobson AF; Cerqueira MD; Breitz HB; et al, Clin Nucl Med 1990; **15:** 317

sonographically guided paracentesis for palliation of symptomatic malignant ascites, Ross GJ; Kessler HB; Clair MR; et al, AJR 1989; **153:** 1309

sonographic relationship between gallbladder wall thickness and the etiology of ascites, Marti-Bonmati L; Andres JC; Aguado C, JCU 1989; **17:** 497

spontaneous resolution of isolated fetal ascites associated with extralobar lung sequestration, Meizner I; Carmi R; Mares AJ; et al, JCU 1990; **18:** 57

thickening of the gallbladder wall in ascites, Colli A; Cocciolo M; Buccino G; et al, JCU 1991; **19:** 357

unsuspected ascites noted on a blood pool venogram study, Mandel PR; Baim R; Irwin G, Clin Nucl Med 1990; **15:** 925

utility of sonographic gallbladder wall patterns in differentiating malignant from cirrhotic ascites, Huang Y-S; Lee S-D; Wu J-C; et al, JCU 1989; **17:** 187

Aspergillosis

allergic aspergillosis: a newly recognized form of sinusitis in the pediatric population, (ab), Manning SC; Vuitch F; Weinberg AG; et al, Radiology 1990; **174:** 903

antifungal and surgical treatment of invasive aspergillosis: review of 2,121 published cases, (ab), Denning DW; Stevens DA, Radiology 1991; **180:** 888

aspergillosis of the sphenoid sinus simulating a pituitary tumor, Larrañaga J; Fandiño J; Gomez-Bueno J; et al, Neuroradiol 1989; **31:** 362

aspergillosis of the sphenoid sinus with cavernous sinus syndrome, Fujiwara S; Fujino H; Nogami K; et al, Neuroradiol 1989; **31:** 443

computed tomography in invasive pulmonary aspergillosis, Potente G, Acta Radiol 1989; **30:** 587

corticosteroid treatment as a risk factor for invasive aspergillosis in patients with lung disease, (ab), Palmer LB; Greenberg HE; Schiff MJ, Radiology 1991; **181:** 291

early invasive CNS aspergillosis: an easily missed diagnosis, Shuper A; Levitsky HI; Cornblath DR, Neuroradiol 1991; **33:** 183

free-floating *Aspergillus* vegetation in left atrium: identification by two-dimensional echocardiography, Chow W-H; Ng THK; Chow T-C; et al, JCU 1991; **19:** 315

intracranial *aspergillus* granuloma simulating meningioma on MR imaging, Gupta RK; Singh AK; Bishnu P; et al, JCAT 1990; **14:** 467

invasive pulmonary aspergillosis: evaluation with MR imaging, Herold CJ; Kramer J; Sertl K; Kalhs P; Mallek R; Imhof H; Tscholakoff D, Radiology 1989; **173:** 717

management of post-tuberculous complex aspergilloma of the lung: role of surgical resection, (ab), Al-Majed SA; Ashour M; El-Kassimi FA; et al, Radiology 1991; **180:** 885

postpneumocystis aspergilloma in AIDS: CT features, Torrents C; Alvarez-Castells A; Vicente de Vera P; et al, JCAT 1991; **15:** 304

severe hemoptysis associated with pulmonary aspergilloma: percutaneous intracavitary treatment, (ab), Shapiro MJ; Albelda SM; Mayock RL; et al, Radiology 1989; **172:** 291

spinal cord aspergillosis in immunosuppressed patients, Parker SL; Laszewski MJ; Trigg ME; et al, Pediatr Radiol 1990; **20:** 351

surgical treatment of pulmonary aspergilloma and *Aspergillus* empyema, (ab), Shirakusa T; Ueda H; Saito T; et al, Radiology 1990; **176:** 588

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

Asphyxia

brain damage from perinatal asphyxia: correlation of MR findings with gestational age, Barkovich AJ; Truwit CL, AJNR 1990; **11:** 1087

brain swelling in the asphyxiated term newborn: pathogenesis and outcome, (ab), Lupton BA; Hill A; Roland EH; et al, Radiology 1989; **170:** 903

transient nonvisualizaton of gallbladder in an asphyxiated neonate, Sujov P; Herschkowitz S; Jerushalmi J, Clin Nucl Med 1990; **15:** 50

Aspirin

comparison between heparin and low-dose aspirin as adjunctive therapy with tissue plasminogen activator for acute myocardial infarction, (ab), Hsia J; Hamilton WP; Kleiman N; et al, JVIR 1991; **2:** 294

platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A, Radiology 1989; **170:** 767

Asplenia

See Spleen, abnormalities

Astrocytoma

9-year-old girl with a 4-week history of low back pain, Calamari GA; Govoni AF; Cash K, Clin Imag 1990; **14:** 159

astrocytic tumours, Margain D; Peretti-Viton P; Arnaud O; et al, J Neuroradiol 1991; **18:** 141

correlation of computed tomography and postmortem findings of a diffuse astrocytoma: a case report, Carter DJ; Wiedmeyer DA; Antuono PG; et al, Comput Med Imag Graph 1989; **13:** 491

diffuse cerebral and leptomeningeal astrocytoma in dogs: MR features, Kraft SL; Gavin PR; Leathers CW; et al, JCAT 1990; **14:** 555

failure of accelerated neutron therapy to control high grade astrocytomas, Saroja KR; Mansell J; Hendrickson FR; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1295

gemistocytic astrocytoma demonstrated high intensity on MR images: protein hydration layer, Abe K; Hasegawa H; Kobayashi Y; et al, Neuroradiol 1990; **32:** 166

gliomas: classification with MR imaging, Dean BL; Drayer BP; Bird CR; Flom RA; Hodak JA; Coons SW; Carey RG, Radiology 1990; **174:** 411

juvenile pilocytic astrocytomas: CT and MR characteristics, Lee Y-Y; Van Tassel P; Bruner JM; et al, AJNR 1989; **10:** 363

low-grade astrocytomas: treatment with unconventionally fractionated external beam stereotactic radiation therapy, Pozza F; Colombo F; Chieregо G; Avanzo RC; Marchetti C; Benedetti A; Casentini L; Danieli D, Radiology 1989; **171:** 565

multiple enchondromatosis (Ollier's disease) complicated by malignant astrocytoma, Bendel CJA; Gelmers HJ, Eur J Radiol 1991; **12:** 135

P-31 MR spectroscopy of normal human brain and brain tumors, Hubesch B; Sappey-Marinier D; Roth K; Meyerhoff DJ; Matson GB; Weiner MW, Radiology 1990; **174:** 401

patterns of failure following treatment for glioblastoma multiforme and anaplastic astrocytoma, Wallner KE; Galicich JH; Krol G; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1405

patterns of second recurrence of malignant astrocytomas, Massey V; Wallner KE, Int J Radiat Oncol Biol Phys 1990; **18:** 395

pleomorphic xanthoastrocytoma: report of four cases, (ab), Whittle IR; Gordon A; Misra BK; et al, Radiology 1989; **173:** 590

postradiation astrocytoma: report of two cases, (ab), Kitanaka C; Shitara N; Nakagomi T; et al, Radiology 1989; **173:** 590

Radiation Therapy Oncology Group (RTOG) survival data on anaplastic astrocytomas of the brain: does a more aggressive form of treatment adversely impact survival?, Laramore GE; Martz KL; Nelson JS; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1351

randomized study of CCNU with and without benznidazole in the treatment of recurrent grades 3 and 4 astrocytoma: report to the Medical Research Council by the Brain Tumor Working Party, Bleehen NM; Freedman LS; Stenning SP, Int J Radiat Oncol Biol Phys 1989; **16:** 1077

rare subependymal giant-cell astrocytoma in a neonate with tuberous sclerosis, Tien RD; Hesselink JR; Duberg A, AJNR 1990; **11:** 1251

re-irradiation of astrocytoma of the brain, Rostom AY; Sunderland K, Br J Radiol 1989; **62:** 173

small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ, Radiology 1990; **176:** 563

treatment of low grade cerebral astrocytomas by radiotherapy in Queensland, Franklin CIV, Australas Radiol 1991; **35:** 68

Atelectasis

See Lung, collapse

Atherectomy

acute angiographic and clinical outcome of high-speed percutaneous rotational atherectomy (Rotabulator), (ab), Dorros G; Iyer S; Zaitoun R; et al, JVIR 1991; **2:** 416

angiographic follow-up and clinical outcome of 126 patients after percutaneous directional atherectomy (Simpson AtheroCath) for occlusive peripheral vascular disease, (ab), Dorros G; Iyer S; Lewin R; et al, JVIR 1991; **2:** 412

atherectomy facilitated by long vascular sheaths, Porter DH; Kim D; Siegel JB; et al, AJR 1991; **156:** 173

blue toe syndrome: treatment with percutaneous atherectomy, Dolmatch BL; Rholl KS; Moskowitz LB; Dake MD; van Breda A; Kaplan JO; Katzen BT, Radiology 1989; **173:** 799

cause of superior vena cava syndrome: diagnosis with percutaneous atherectomy, Dake MD; Zemel G; Dolmatch BL; Katzen BT, Radiology 1990; **174:** 957

common bile duct biopsy with the Simpson atherectomy catheter, Kim D; Porter DH; Siegel JB; et al, AJR 1990; **154:** 1213

coronary morphology after percutaneous directional coronary atherectomy in humans: autopsy analysis of three patients, (ab), Garratt KN; Edwards WD; Vlietstra RE; et al, JVIR 1991; **2:** 293

directional atherectomy in the treatment of stenotic dialysis access fistulas, Zemel G; Katzen BT; Dake MD; Benenati JF; Lempert TE; Moskowitz L, JVIR 1990; **1:** 35

directional peripheral atherectomy: histopathologic aspects of a new interventional technique, Johnson DE, JVIR 1990; **1:** 29

new reperfusion devices: the Kensey catheter, the atherolytic reperfusion wire device, and the transluminal extraction catheter, Wholey MH; Jarmolowski CR, Radiology 1989; **172:** 947

percutaneous atherectomy—early experience in Sheffield, Belli AM; Cumberland DC, Clin Radiol 1989; **40:** 122

peripheral atherectomy: experimental results with a new device, Nakagawa N; Cragg AH; Smith TP; Landas SK; De Jong SC, JVIR 1990; **1:** 127

treatment of symptomatic peripheral atherosclerotic disease with a rotational atherectomy device, (ab), Zacca NM; Raizner AE; Noon GP; et al, Radiology 1989; **172:** 886

Atherosclerosis

See Arteriosclerosis

Athletic injuries

athletic injuries, Pavlov H, Radiol Clin North Am 1990; **28:** 435

exertional muscle injury: evaluation of concentric versus eccentric actions with serial MR imaging, Shellock FG; Fukunaga T; Mink JH; Edgerton VR, Radiology 1991; **179:** 659

jogging causes acute changes in the knee joint: an MR study in normal volunteers, Kursunoglu-Brahme S; Schwaighofer B; Gundry CR; et al, AJR 1990; **154:** 1233

knees of trained long-distance runners: MR imaging before and after competition, Shellock FG; Mink JH, Radiology 1991; **179:** 635

lipohemarthrosis of the knee: MR imaging, Kier R; McCarthy KM, JCAT 1990; **14:** 395

low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Bellah RD; Summerville DA; Treves ST; Micheli LJ, Radiology 1991; **180:** 509

MR imaging of shoulder injuries in professional baseball players, Burk DL Jr; Torres JL; Marone PJ; Mitchell DG; Rifkin MD; Karasick D, JMRI 1991; **1:** 385

MRI of the athletic knee: findings in asymptomatic professional basketball and collegiate football players, Brunner MC; Flower SP; Evancho AM; et al, Invest Radiol 1989; **24:** 72

progression of meniscal degenerative changes in college football players: evaluation with MR imaging, Reinig JW; McDevitt ER; Ove PN, Radiology 1991; **181:** 255

radiographic findings of degeneration in cervical spines of middle-aged soccer players, Kurosawa H; Yamanoi T; Yamakoshi K-i, Skeletal Radiol 1991; **20:** 437

radiologic abnormalities of the thoraco-lumbar spine in athletes, Hellström M; Jacobsson B; Swärd L; et al, Acta Radiol 1990; **31:** 127

rotator cuff lesions: signal patterns at MR imaging, Rafii M; Firooznia H; Sherman O; Minkoff J; Weinreb J; Golimbu C; Gidumal R; Schinella R; Zaslav K, Radiology 1990; **177:** 817

spondylolysis and the sacro-horizontal angle in athletes, Swärd L; Hellström M; Jacobsson B; et al, Acta Radiol 1989; **30:** 359

sports-related muscle injuries: evaluation with MR imaging, Fleckenstein JL; Weatherall PT; Parkey RW; Payne JA; Peshock RM, Radiology 1989; **172:** 793

training effects of long versus short bouts of exercise in healthy subjects, (ab), DeBusk RF; Stenestrand U; Sheehan M; et al, Radiology 1990; **177:** 892

Atlas and axis

atlanto-occipital subluxation in Down syndrome, Stein SM; Kirchner SG; Horev G; et al, Pediatr Radiol 1991; **21:** 121

cranial subluxation of the odontoid process in rheumatoid arthritis, (ab), Slätis P; Santavirta S; Sandelin J; et al, Radiology 1989; **173:** 293

CT findings of degenerative arthritis of the atlantoodontoid joint, Genez BM; Willis JJ; Lowrey CE; et al, AJR 1990; **154:** 315

normal posterior atlantoaxial relationship, Lovelock JE; Schuster JA, Skeletal Radiol 1991; **20:** 121

value of computed tomography in the diagnosis of atlanto-axial rotatory fixation, Murray JB; Ziervogel M, Br J Radiol 1990; **63:** 894

Atlas and axis, abnormalities

atlanto-axial rotary fixation: diagnosis by functional computed tomography, Moss JG; Sellar RJ; Bradnock B, Br J Radiol 1989; **62:** 755

atlantoaxial subluxation: radiography and magnetic resonance imaging correlated to myelopathy, Yamashita Y; Takahashi M; Sakamoto Y; et al, Acta Radiol 1989; **30:** 135

case report 665, Motateanu M; Gudinchet F; Sarraj H; et al, Skeletal Radiol 1991; **20:** 231

CT and myelogram findings of os odontoideum, Teng MMH; Shoung H-M; Chang C-Y; et al, Comput Med Imag Graph 1989; **13:** 179

hypertrophy of C-1 anterior arch: useful sign to distinguish os odontoideum from acute dens fracture, Holt RG; Helms CA; Munk PL; Gillespy T III, Radiology 1989; **173:** 207

long term hemodialysis spondylarthropathy: an atlanto-occipital location, Grignon B; Bracard S; Abadou H; et al, J Neuroradiol 1990; **17:** 60

rare case of atlanto-axial fusion with dysplasia of odontoid peg in a cleft lip and palate patient, Hoenig JF; Schoener WF, Eur J Radiol 1991; **12:** 132

symptomatic atlantoaxial instability associated with medical and rehabilitative procedures in children with Down syndrome, (ab), Msall ME; Reese ME; DiGaudio K; et al, Radiology 1990; **176:** 886

traumatic atlanto-axial subluxation, (ab), De Beer JDV; Thomas M; Walters J; et al, Radiology 1989; **171:** 294

Atlas and axis, dislocation

acute injuries of the axis vertebra, Burke JT; Harris JH Jr, Skeletal Radiol 1989; **18:** 335

atlantooccipital dislocation: MR demonstration of cord damage, Goldberg AL; Baron B; Daffner RH, JCAT 1991; **15:** 174

Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Eich GF; Silver MM; Weksberg R; Daneman A; Costa T, Radiology 1991; **181:** 183

MR imaging of fatal atlantoaxial dislocaton caused by retropharyngeal abscess, Chen MYM; Elster AD, AJNR 1990; **11:** 992

traumatic avulsion fracture of the occipital condyles and clivus with associated unilateral atlantooccipital distraction, Jones DN; Knox AM; Sage MR, AJNR 1990; **11:** 1181

Atlas and axis, fractures

CT of dens axis fractures, Nepper-Rasmussen J, Neuroradiol 1989; **31:** 104

hangman's fracture or primary spondylolysis: a patient and a brief review, Parisi M; Lieberson R; Shatsky S, Pediatr Radiol 1991; **21:** 367

hypertrophy of C-1 anterior arch: useful sign to distinguish os odontoideum from acute dens fracture, Holt RG; Helms CA; Munk PL; Gillespy T III, Radiology 1989; **173:** 207

laterally tilted dens: a sign of subtle odontoid fracture on plain radiography, Thomeier WC; Brown DC; Mirvis SE, AJNR 1990; **11:** 605

neurosurgical management of acute atlas-axis combination fractures: a review of 25 cases, (ab), Dickman CA; Hadley MN; Browner C; et al, Radiology 1989; **173:** 294

Atrial septal defect

atrial septal defects in neonates with reference to spontaneous closure, (ab), Fukazawa M; Fukushige J; Ueda K, Radiology 1989; **171:** 591

uses and limitations of transthoracic echocardiography in the assessment of atrial septal defect in the adult, (ab), Mehta RH; Helmcke F; Nanda NC; et al, Radiology 1991; **181:** 613

Audiovisual reviews

breast cancer treatment options, Green T, Reviewed by Steinfeld AD; Tolbert P, Radiographics 1990; **10:** 856

hospital radiation protection practices, Duley JW, Reviewed by Geise RA, Radiology 1989; **171:** 358

magnetic resonance video review: marketing and the MRI center, Solomon MA, Reviewed by Griffiths HJ, Radiographics 1990; **10:** 482

magnetic resonance video review: MRI of brain tumors, parts 1 and 2, Solomon MA, Reviewed by Mitchell SL, Radiographics 1991; **11:** 1086

magnetic resonance video review: MRI of the knee, Solomon MA, Reviewed by Griffiths HJ, Radiology 1989; **171:** 380

magnetic resonance video review: the use of Gd-DTPA in the central nervous system, Solomon MA, Reviewed by Griffiths HJ, Radiographics 1990; **10:** 482

of critical importance: AIDS precautions in radiology, Envision Inc., Reviewed by Griffiths HJ, Radiology 1989; **171:** 760

osteoporosis, Apogee Communications Group, Reviewed by Griffiths HJ, Radiology 1989; **171:** 760

radiation therapy and you, Mood D, Reviewed by Hall S; Westrich C; Steinfeld AD, Radiographics 1990; **10:** 28

radiation therapy and you, Mood D, Reviewed by Hall S; Westrich C; Steinfeld AD, Radiology 1990; **174:** 472

radiology: the big picture, Reviewed by Steinfeld AD, Radiographics 1991; **11:** 635

recognize and respond, Reviewed by Steinfeld AD, Radiographics 1991; **11:** 635

B

Bacillus Calmette-Guerin (BCG)

calcification of axillary lymph nodes following BCG vaccination, Burdeny DA; Reed MH; Ferguson CA, J Canad Assoc Radiol 1989; **40:** 92

disseminated BCG-osteomyelitis in congenital immunodeficiency, Hugosson C; Harfi H, Pediatr Radiol 1991; **21:** 384

Bacteria

antibiotics and nephrostomy tube care: preliminary observations. part I. bacteriuria, Cronan JJ; Marcello A; Horn DL; Robinson A; Dorfman GS; Opal S, Radiology 1989; **172:** 1041

antibiotics and nephrostomy tube care: preliminary observations. part II. bacteremia, Cronan JJ; Horn DL; Marcello A; Robinson A; Paolella LP; Lambiase RE; Haas RA; Opal S; Dorfman GS, Radiology 1989; **172:** 1043

occult bacterial infection in adults with unexplained fever: validation of a diagnostic index, (ab), Leibovici L; Cohen O; Wysenbeek AJ, Radiology 1991; **178:** 296

Balloons

See Catheters and catheterization

Barium

annual oration 1989: bring out your barium, Simpkins KC, J Canad Assoc Radiol 1989; **40:** 5

aspiration of high-density barium contrast medium causing acute pulmonary inflammation—report of two fatal cases in elderly women with disordered swallowing, Gray C; Sivaloganathan S; Simpkins KC, Clin Radiol 1989; **40:** 397

barium meals in the elderly—a quality reassurance, Hawkins SP; Rowlands PC; Shorvon PJ, Br J Radiol 1991; **64:** 113

barium studies in diffuse eosinophilic gastroenteritis, MacCarty RL; Talley NJ, Gastrointest Radiol 1990; **15:** 183

barium sulfate absorption and sensitivity, Ahmed A; Hamza HM, Radiology 1989; **172:** 213

barium sulfate absorption and sensitivity, Ramani SK; Ismael AH, Radiology 1990; **174:** 895

barium sulfate absorption and sensitivity: reply, Berdon WE, Radiology 1989; **172:** 213

contrast media in intussusception, Campbell JB, Pediatr Radiol 1989; **19:** 293

double contrast barium meal and acetylcysteine, Kinnunen J; Pietilä J; Ahovuo J; et al, Eur J Radiol 1989; **9:** 258

effect of high- vs low-density barium preparations on the quantitative features of swallowing, Dantas RO; Dodds WJ; Massey BT; et al, AJR 1989; **153:** 1191

fatal hypersensitivity reaction during a barium enema, Feczko PJ; Simms SM; Bakirci N, AJR 1989; **153:** 275

increased frequency of reactions to contrast materials during gastrointestinal studies, Feczko PJ, Radiology 1990; **174:** 367

lack of sonographic image degradation after barium upper gastrointestinal examination, Elam EA; Hunter TB; Hunt KR; et al, AJR 1989; **153:** 993

portal venous barium intravasation complicating barium enema examination, (ab), Wheatley MJ; Eckhauser FE, Radiology 1991; **181:** 908

reactions to contrast materials during gastrointestinal studies, Janower ML, Radiology 1990; **177:** 287

reactions to contrast materials during gastrointestinal studies: reply, Feczko PJ, Radiology 1990; **177:** 287

use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Op den Orth JO, Radiology 1989; **173:** 601

venous intravasation of barium into the inferior mesenteric vein mimicking a colloureteral fistula: a case report and literature review, (ab), Baer HM; Siegelbaum MH; Seidman EJ; et al, Radiology 1989; **172:** 885

visualization of the mucosal villi on double-contrast barium studies of the small intestine by using a high molecular fraction of guaran, Desaga JF, Gastrointest Radiol 1989; **14:** 25

Barium enema examination

air-contrast barium enema studies after flexible proctosigmoidoscopy: randomized controlled clinical trial, Marshall JB; Hoyt TS; Seger RM; Reid JC; Beyer KL; Butt JH, Radiology 1990; **176:** 549

anaphylaxis associated with latex allergy during barium enema examinations, Ownby DR; Tomlanovich M; Sammons N; et al, AJR 1991; **156:** 903

annual oration 1989: bring out your barium, Simpkins KC, J Canad Assoc Radiol 1989; **40:** 5

barium enema in the diagnosis of acute appendicitis, Garcia CJ; Rosenfield NS, Semin US CT MR 1989; **10:** 314

barium enema in the diagnosis of acute appendicitis, (ab), El Ferzli G; Ozuner G; Davidson PG; et al, Radiology 1991; **179:** 883

barium enemas, latex balloons, and anaphylactic reactions, Gelfand DW, AJR 1991; **156:** 1

barium examination of the small bowel, (ab), Carlson HC; Maglinte DDT, Radiology 1990; **174:** 898

bowler-hat sign: a simple principle for differentiating polyps from diverticula, Miller WT Jr; Levine MS; Rubesin SE; Laufer I, Radiology 1989; **173:** 615

case report: persistent colonic spasm concealing a carcinoma—an uncommon diagnostic pitfall of the barium enema examination, Massoud TF; Gibson RJ; Nolan DJ, Clin Radiol 1991; **43:** 417

diagnostic value of combining flexible sigmoidoscopy and double-contrast barium enema as a one-stage procedure, Saito Y; Slezak P; Rubio C, Gastrointest Radiol 1989; **14:** 357

double contrast barium enema combined with non-invasive imaging in peritoneal mesothelioma, Cozzi G; Bellomi M; Frigerio LF; et al, Acta Radiol 1989; **30:** 21

double-contrast barium enema studies: effect of multiple reading on perception error, Markus JB; Somers S; O'Malley BP; Stevenson GW, Radiology 1990; **175:** 155

double-contrast enema: a simplified method for filling the colon, Gelfand DW; Ott DJ, AJR 1990; **154:** 279

flexible sigmoidoscopy plus air contrast barium enema versus colonoscopy for suspected lower gastrointestinal bleeding, (ab), Rex DK; Weddle RA; Lehman GA; et al, Radiology 1990; **177:** 594

influence of type of tube and experience of the operator on performance of small bowel enema, Nicholson DA; Zammit-Maempel I; Hughes M; et al, Br J Radiol 1989; **62:** 447

interval between cleansing enema and barium examination of the colon, Freimanis MG, Gastrointest Radiol 1989; **14:** 83

inverted colonic diverticulum: air contrast barium enema findings in six cases, Glick SN, AJR 1991; **156:** 961

limitations of combined flexible sigmoidoscopy and double contrast barium enema in patients with rectal bleeding, Hixson LJ; Sampliner RE; Chernin M; et al, Eur J Radiol 1989; **9:** 254

lowering death rates from colorectal cancer: challenge for the 1990s, Rice RP, Radiology 1990; **176:** 297

performing the barium enema examination, (ab), Gelfand DW, Radiology 1989; **173:** 289

positive predictive value and posttest probability of diagnosis of colonic polyp on single- and double-contrast barium enema, Ott DJ; Scharling ES; Chen YM; et al, AJR 1989; **153:** 735

preparing the colon for the barium enema examination, Gelfand DW; Chen MYM; Ott DJ, Radiology 1991; **178:** 609

primary malignant tumors in the small bowel: a comparison of the small-bowel enema and conventional follow-through examination, Bessette JR; Maglinte DDT; Kelvin FM; et al, AJR 1989; **153:** 741

prospective comparison of double contrast barium enema plus flexible sigmoidoscopy *v* colonoscopy in rectal bleeding: barium enema *v* colonoscopy in rectal bleeding, (ab), Irvine EJ; O'Connor J; Frost RA; et al, Radiology 1989; **171:** 881

rectal involvement by prostatic carcinoma: barium enema findings, Rubesin SE; Levine MS; Bezzi M; et al, AJR 1989; **152:** 53

sigmoid diverticulitis: diagnostic role of CT—comparison with barium enema studies, Cho KC; Morehouse HT; Alterman DD; Thornhill BA, Radiology 1990; **176:** 111

technical note: a simple method for using carbon dioxide during double contrast barium enema, Bartram CI, Clin Radiol 1989; **40:** 318

value of double-contrast barium enema in amebic colitis, Matsui T; Iida M; Tada S; et al, Gastrointest Radiol 1989; **14:** 73

yield of barium enema in patients undergoing inguinal hernia repair or abdominal hysterectomy, (ab), Maccini DM; Miller RM, Radiology 1991; **181:** 908

Barium enema examination, complications

case report: perforation of the colon after barium meal examination, Walker AJ, Clin Radiol 1989; **40:** 530

complications from extravasated retroperitoneal barium: case report and review of the literature, Walker CW; Purnell GL; Diner WC, Radiology 1989; **173:** 618

computed tomography of retroperitoneal perforation after barium enema, Gardner DJ; Hanson RE, Clin Imag 1990; **14:** 208

fatal hypersensitivity reaction during a barium enema, Feczko PJ; Simms SM; Bakirci N, AJR 1989; **153:** 275

increased frequency of reactions to contrast materials during gastrointestinal studies, Feczko PJ, Radiology 1990; **174:** 367

portal venous barium intravasation complicating barium enema examination, (ab), Wheatley MJ; Eckhauser FE, Radiology 1991; **181:** 908

reactions to contrast materials during gastrointestinal studies, Janower ML, Radiology 1990; **177:** 287

reactions to contrast materials during gastrointestinal studies: reply, Feczko PJ, Radiology 1990; **177:** 287

spontaneous dissection of air into the transverse mesocolon during double-contrast barium enema, Cho KC; Simmons MZ; Baker SR; et al, Gastrointest Radiol 1990; **15:** 76

Barium enema examination, in infants and children

barium studies and ileoscopy compared in children with suspected Crohn's disease, Lipson A; Bartram CI; Williams CB; et al, Clin Radiol 1990; **41:** 5

small bowel barium examination in children: diagnostic accuracy and clinical value as evaluated from 331 enteroclysis and follow-through examinations, Bååth L; Ekberg O; Borulf S; et al, Acta Radiol 1989; **30:** 621

Barium enema examination, technology

assessment of colonic water retention prior to double-contrast enema, Pietilä JA; Bondestam S; Härtel GJ; et al, Gastrointest Radiol 1990; **15:** 164

barium enema utilization within a defined geographic region: a survey, Rex DK; Lappas JC; Maglinte DDT; et al, Gastrointest Radiol 1990; **15:** 265

colonic stenoses: use of oral barium when retrograde flow is completely obstructed in barium enema studies, Gotta C; Palau GA; Demos TC; Villaveiran RG, Radiology 1990; **177:** 703

determining the minimal interval between cleansing water enema and double-contrast barium enema examination, Lee SH; Bartram CI, Clin Radiol 1990; **41:** 331

experience with the Merck small bowel enema tube, Chippindale AJ; Desai S, Clin Radiol 1989; **40:** 518

new positioning technique for barium enemas, Hughes T, Br J Radiol 1990; **63:** 723

non fatal barium intravasation during barium enema, Taylor DB; Yoong P, Australas Radiol 1990; **34:** 165

performing the barium enema examination, (ab), Gelfand DW, Radiology 1989; **173:** 289

Bartter syndrome

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

Basal ganglia

linear areas of echogenicity in the thalami and basal ganglia of neonates: an expanded association: work in progress, Hughes P; Weinberger E; Shaw DWW, Radiology 1991; **179:** 103

significance of haematomas of the basal ganglia in closed head injury, Colquhoun IR; Rawlinson J, Clin Radiol 1989; **40:** 619

Basal ganglia, calcification

computed tomography of the "near miss syndrome" with basal ganglion calcification, Fasanelli S; Perrotta F; Fruhwirth R, Pediatr Radiol 1989; **19:** 435

primary hypothyroidism with pituitary hyperplasia and basal ganglia calcifications, Williams RS; Williams JP; Davis MR; et al, Clin Imag 1990; **14:** 330

Basal ganglia, CT

computed tomography of the "near miss syndrome" with basal ganglion calcification, Fasanelli S; Perrotta F; Fruhwirth R, Pediatr Radiol 1989; **19:** 435

CT and MR of germinoma in the basal ganglia, Komatsu Y; Narushima K; Kobayashi E; et al, AJNR 1989; **10:** S9

Basal ganglia, MR

basal ganglia: significance of signal hypointensity on T2-weighted MR images, Drayer BP, Radiology 1989; **173:** 311

CT and MR of germinoma in the basal ganglia, Komatsu Y; Narushima K; Kobayashi E; et al, AJNR 1989; **10:** S9

germinoma originating in the basal ganglia: report of a case showing unusual appearance on MRI, Anno Y; Hori T; Watanabe T; et al, Neuroradiol 1990; **32:** 529

high-intensity basal ganglia lesions on T1-weighted MR images in neurofibromatosis, Mirowitz SA; Sartor K; Gado M, AJNR 1989; **10:** 1159

high-intensity basal ganglia lesions on T1-weighted MR images in neurofibromatosis, Mirowitz SA; Sartor K; Gado M, AJR 1990; **154:** 369

hyperintense basal ganglia on T1-weighted MR images in patients receiving parenteral nutrition, Mirowitz SA; Westrich TJ; Hirsch JD, Radiology 1991; **181:** 117

olivopontocerebellar atrophy: MR diagnosis and relationship to multisystem atrophy, Savoiardo M; Strada L; Girotti F; Zimmerman RA; Grisoli M; Testa D; Petrillo R, Radiology 1990; **174:** 693

portal-systemic encephalopathy: presence of basal ganglia lesions with high signal intensity on MR images, Inoue E; Hori S; Narumi Y; Fujita M; Kuriyama K; Kadota T; Kuroda C, Radiology 1991; **179:** 551

Basal ganglia, neoplasms

CT and MR of germinoma in the basal ganglia, Komatsu Y; Narushima K; Kobayashi E; et al, AJNR 1989; **10:** S9

germinoma originating in the basal ganglia: report of a case showing unusual appearance on MRI, Anno Y; Hori T; Watanabe T; et al, Neuroradiol 1990; **32:** 529

Battered children

See Children, injuries; Infants, injuries

Behcet disease

brain stem type neuro-Behçet's syndrome: correlation of enhanced CT scans and MRI during the acute and chronic stage of the illness, Kataoka S; Hirose G; Tsukada K, Neuroradiol 1989; **31:** 258

central nervous system magnetic resonance imaging findings in neuro-Behçet syndrome, Iwasaki Y; Kinoshita M; Ikeda K; et al, Comput Med Imag Graph 1990; **14:** 85

multiple aneurysms in Behçet's disease, (ab), Bartlett ST; McCarthy WJ III; Palmer AS; et al, Radiology 1989; **171:** 293

neurologic involvement in Behcet disease: imaging findings in 16 paients, Banna M; El-Ramahi K, AJNR 1991; **12:** 791

pulmonary CT findings in Behcet disease, Winer-Muram HT; Gavant ML, JCAT 1989; **13:** 346

reversibility of CT and MR findings in neuro-Behçet disease, Patel DV; Neuman MJ; Hier DB, JCAT 1989; **13:** 669

sequential gadolinium-DTPA enhanced MRI studies in neuro-Behçet's disease, Kazui S; Naritomi H; Imakita S; et al, Neuroradiol 1991; **33:** 136

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

Bezoar

case of the month: a Chinese puzzle, Williams JW; Collins MC, Br J Radiol 1990; **63:** 367

gastric trichobezoars–sonographic and computed tomographic appearance, Newman B; Girdany BR, Pediatr Radiol 1990; **20:** 526

small bowel phytobezoars: detection with radiography, Verstandig AG; Klin B; Bloom RA; Hadas I; Libson E, Radiology 1989; **172:** 705

sonographic detection of a small-bowel bezoar, Tennenhouse JE; Wilson SR, J Ultrasound Med 1990; **9:** 603

Bile

computed tomography evaluation of high-density bile in the gallbladder, Ueda J; Kobayashi Y; Nishida T, Gastrointest Radiol 1990; **15:** 22

magnetic resonance spectroscopy of bile: in vitro stability over time and component identity, Halvorsen RA Jr; Ribeiro A; Blinder R; et al, Invest Radiol 1989; **24:** 903

Bile duct radiography

choledochal cysts: role of noninvasive imaging, percutaneous transhepatic cholangiography, and percutaneous biliary drainage in diagnosis and treatment, Savader SJ; Venbrux AC; Benenati JF; Mitchell SE; Widlus DM; Cameron JL; Osterman FA Jr, JVIR 1991; **2:** 379

dilated periportal lymphatics mimicking an anastomotic bile leak after liver transplantation, Rabin AM; Abramson AF; Manzarbeitia C; et al, Gastrointest Radiol 1991; **16:** 337

extrahepatic bile duct angulation by T-tube: the elbow sign, Lee SH; Burhenne HJ, Gastrointest Radiol 1991; **16:** 157

microcholangiography: normal microbiliary system and its alteration after extrahepatic bile duct obstruction, Kang HS; Lee Y; Park JH; et al, Invest Radiol 1989; **24:** 451

MR-cholangiography with a double contrast technique, Hemmingsson A; Carlsten J; Ericsson A; et al, Acta Radiol 1989; **30:** 29

primary sclerosing cholangitis: a modified classification of cholangiographic findings, Majoie CBLM; Reeders JWAJ; Sanders JB; et al, AJR 1991; **157:** 495

transhepatic cholangiography in patients with suspected biliary disease and nondilated intrahepatic bile ducts, Teplick SK; Flick P; Brandon JC, Gastrointest Radiol 1991; **16:** 193

Bile duct radiography, contrast media

optimal technique for detection of gallstones at injection cholecystography: in vitro analysis, Kammer B; Saini S; Brink JA; Knoefel WT; Ferrucci JT; Simeone JF; Mueller PR, Radiology 1991; **180:** 43

Bile duct radiography, intraoperative

intraoperative cholangiography: use of portable fluoroscopy and transmitted images, Handy JE; Rose SC; Nieves AS; Johnson RL; Hunter JG; Miller FJ, Radiology 1991; **181:** 205

use of intravenous cholangiography in teaching hospitals: a survey, Scott IR; Gibney RG; Becker CD; et al, Gastrointest Radiol 1989; **14:** 148

Bile duct radiography, technology

optimal technique for detection of gallstones at injection cholecystography: in vitro analysis, Kammer B; Saini S; Brink JA; Knoefel WT; Ferrucci JT; Simeone JF; Mueller PR, Radiology 1991; **180:** 43

Bile ducts

See also Gallbladder

biliary tract: imaging for the 1990s, Burrell MI; Zeman RK; Simeone JF; et al, AJR 1991; **157:** 223

biliary tract motility and its relationship to clinical disorders, Dodds WJ, AJR 1990; **155:** 247

variations of common bile duct diameter after endoscopic sphincterotomy, Persson B; Olsson J, Gastrointest Radiol 1991; **16:** 45

Bile ducts, abnormalities

bile duct diverticula and webs: nonspecific cholangiographic features of primary sclerosing cholangitis, Gulliver DJ; Baker ME; Putnam W; et al, AJR 1991; **157:** 281

case report: 'anoddia', Janson JA; Jones SN; Cotton PB, Clin Radiol 1991; **43:** 137

case report: multiple congenital abnormalities indentifiable on $^{99}Tc^{m}$ HIDA scan, Peters AM; Gordon I, Clin Radiol 1989; **40:** 629

CT and MR appearance of focal nodular hyperplasia of the liver in children with biliary atresia, Ohtomo K; Itai Y; Hasizume K; et al, Clin Radiol 1991; **43:** 88

hepatobiliary anomalies associated with polysplenia syndrome, Gagner M; Munson JL; Scholz FJ, Gastrointest Radiol 1991; **16:** 167

intrahepatic biliary cysts after hepatic portoenterostomy in four children with biliary atresia, Ishii K; Matsuo S; Hirayama Y; et al, Pediatr Radiol 1989; **19:** 471

intrahepatic cholangiographic abnormalities in liver transplants: correlation with biopsy evidence of rejection and other disorders, Bauman J; Campbell WL; Demetris AJ; et al, AJR 1989; **152:** 275

multiple gastrointestinal atresias: sonography of associated biliary abnormalities, McHugh K; Daneman A, Pediatr Radiol 1991; **21:** 355

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

post-operative abdominal CT scanning in extrahepatic biliary atresia, Day DL; Mulcahy PF; Dehner LP; et al, Pediatr Radiol 1989; **19:** 379

Bile ducts, anatomy

left hepatic duct anatomy: implications, Russell E; Yrizzary JM; Montalvo BM; Guerra JJ Jr; Al-Refai F, Radiology 1990; **174:** 353

normal intrahepatic bile ducts: CT depiction, Liddell RM; Baron RL; Ekstrom JE; Varnell RM; Shuman WP, Radiology 1990; **176:** 633

Bile ducts, biopsy

common bile duct biopsy with the Simpson atherectomy catheter, Kim D; Porter DH; Siegel JB; et al, AJR 1990; **154:** 1213

endoscopy as an adjuvant to biliary radiologic intervention, Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr, Radiology 1991; **180:** 355

percutaneous transluminal biopsy of biliary strictures with a bioptome, Terasaki K; Wittich GR; Lycke G; et al, AJR 1991; **156:** 77

scrape biopsy of malignant biliary stricture through percutaneous transhepatic biliary drainage tracts, Yip CKY; Leung JWC; Chan MKM; et al, AJR 1989; **152:** 529

US-guided fine-needle aspiration biopsy of gallbladder masses, Zargar SA; Khuroo MS; Mahajan R; Jan GM; Shah P, Radiology 1991; **179:** 275

Bile ducts, calculi

are duodenal diverticula associated with choledocholithiasis?, (ab), Kennedy RH; Thompson MH, Radiology 1989; **171:** 290

balloon dilatation of intrahepatic biliary strictures for percutaneous extraction of residual intrahepatic stones, Lee Y; Lee BH; Park JH; et al, Cardiovasc Intervent Radiol 1991; **14:** 102

biliary duct stones: percutaneous transhepatic removal, Stokes KR; Clouse ME, Cardiovasc Intervent Radiol 1990; **13:** 240

biliary extracorporeal shock wave lithotripsy in the treatment of an impacted stone in bile duct diverticulum, Lee SH; Gibney RG; Burhenne HJ, Gastrointest Radiol 1990; **15:** 317

biliary lithotripsy: early observations in 106 patients. work in progress, Burhenne HJ; Becker CD; Malone DE; Rawat B; Fache JS, Radiology 1989; **171:** 363

biliary lithotripsy team: the necessity for an interdisciplinary approach, Torres WE; Maglinte DDT; Steinberg HV, Radiology 1989; **171:** 73

carcinoma of the gallbladder: a risk associated with gallbladder-preserving treatments for cholelithiasis, So CB; Gibney RG; Scudamore CH, Radiology 1990; **174:** 127

choledochoscopic stone removal through a T-tube tract: experience in 75 consecutive patients, Bower BL; Picus D; Hicks ME; Darcy MD; Rollins ES; Kleinhoffer MA; Weyman PJ, JVIR 1990; **1:** 107

choledochoscopy: a cost-minimization analysis, (ab), Nagorney DM; Lohmuller JL, Radiology 1990; **177:** 595

common bile duct and intrahepatic stones: results of transhepatic electrohydraulic lithotripsy in 50 patients, Bonnel DH; Liguory CE; Cornud FE; Lefebvre J-FP, Radiology 1991; **180:** 345

effect of ursodiol on the efficacy and safety of extracorporeal shock-wave lithotripsy of gallstones: the Dornier National Biliary Lithotripsy Study, (ab), Schoenfield LJ; Berci G; Carnovale RL; et al, JVIR 1991; **2:** 298

electrohydraulic shock wave lithotripsy (ESWL) fragmentation of retained common duct stones, (ab), Johlin FC; Loening SA; Maher JW; et al, Radiology 1989; **171:** 585

electromagnetically generated extracorporeal shockwaves for fragmentation of extra- and intrahepatic bile duct stones: indications, success and problems during a 15 months clinical experience, (ab), Staritz M; Rambow A; Grosse A; et al, Radiology 1990; **176:** 587

endoscopic laser lithotripsy of large bile duct stones, (ab), Cotton PB; Kozarek RA; Schapiro RH; et al, Radiology 1991; **179:** 588

endoscopic management of biliary tract stones and stenosis, Zimmon DS; Clemett AR, Cardiovasc Intervent Radiol 1990; **13:** 252

endoscopy as an adjuvant to biliary radiologic intervention, Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr, Radiology 1991; **180:** 355

extracorporeal shock wave lithotripsy (ESWL) in the management of complex biliary tract stone disease, (ab), Taylor MC; Marshall JC; Fried LA; et al, Radiology 1989; **172:** 290

gallbladder lithotripsy, Steinberg HV; Torres WE; Nelson RC, Radiology 1989; **172:** 7

gallstones in bili-digestive shunts diagnosed by ultrasound: an unusual cause of obstruction, Hederström E; Andrén-Sandberg Å; Forsberg L, Acta Radiol 1989; **30:** 549

laparoscopic cholecystectomy: evaluation with sonography, Kang EH; Middleton WD; Balfe DM; Soper NJ, Radiology 1991; **181:** 439

laserlithotripsy of common bile duct stones, (ab), Ell C; Lux G; Hochberger J; et al, Radiology 1989; **170:** 581

mechanisms of stone disintegration by shock waves, Sass W; Bräunlich M; Dreyer H-P; et al, Ultrasound Med Biol 1991; **17:** 239

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

percutaneous dislodgement of an impaired cystic duct stone, Zagoria RJ; Dyer RB; Herrera MA; et al, Gastrointest Radiol 1989; **14:** 337

percutaneous gallbladder intervention, Picus D, Radiology 1990; **176:** 5

percutaneous removal of biliary stones, Gandini G; Righi D; Regge D; et al, Cardiovasc Intervent Radiol 1990; **13:** 245

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

radiological treatment of common bile duct lithiasis in infancy, Pariente D; Bernard O; Gauthier F; et al, Pediatr Radiol 1989; **19:** 104

relation of size and number of common duct calculi to success of sphincterotomy and stone extraction, Persson B, Gastrointest Radiol 1991; **16:** 212

retrospective analysis of 3 year's (sic) experience of an interdisciplinary approach to gallstone disease including shock-waves, (ab), Heberer G; Paumgartner G; Sauerbruch T; et al, Radiology 1989; **172:** 290

role of hepatobiliary imaging in the evaluation and management of patients with common bile duct gallstones, Silfen D; Long WB; Alavi A, J Nucl Med 1991; **32:** 1261

role of percutaneous intracorporeal electrohydraulic lithotripsy in the treatment of biliary tract calculi: work in progress, Picus D; Weyman PJ; Marx MV, Radiology 1989; **170:** 989

shock wave lithotripsy of gallstones: results and 12-month follow-up in 174 patients, Torres WE; Baumgartner BR; Nelson RC; Morris SJ, Radiology 1991; **179:** 699

technical problem: impacted retained distal common duct stone, Malone DE; Burhenne HJ, Clin Radiol 1990; **41:** 130

technical report: management of tract disruption due to radiologic T-tube extraction of a retained common bile duct stone, Malone DE; Burhenne HJ, Clin Radiol 1991; **43:** 207

tissue resections under piezoelectric shockwave application for the fragmentation of biliary calculi, (ab), Ell C; Kerzel W; Heyder N; et al, Radiology 1990; **174:** 289

transhepatic laser lithotripsy of choledocholithiasis: initial clinical experience, Sullivan KL; Bagley DH Jr; Gordon SJ; Soulen MC; Grasso M; Bonn J; Shapiro MJ, JVIR 1991; **2:** 387

value of extracorporeal shock-wave lithotripsy in the management of bile duct stones, Lee SH; Fache JS; Burhenne HJ, AJR 1990; **155:** 775

visibility of gallstone fragments at US and fluoroscopy: implications for monitoring gallstone lithotripsy, Garra BS; Davros WJ; Lack EE; Horii SC; Silverman PM; Zeman RK, Radiology 1990; **174:** 343

Bile ducts, CT

biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Korobkin M; Stephens DH; Lee JKT; et al, AJR 1989; **153:** 507

biliary malignancies occurring in choledochal cysts, Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A, Radiology 1989; **173:** 389

biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Huntington DK; Hill MC; Steinberg W, Radiology 1989; **172:** 47

Caroli disease: central dot sign in CT, Choi BI; Yeon KM; Kim SH; Han MC, Radiology 1990; **174:** 161

Caroli disease: computed tomographic diagnosis, Sood GK; Mahapatra JR; Khurana A; et al, Gastrointest Radiol 1991; **16:** 243

Caroli's disease in two sisters: diagnosis by ultrasonography and computed tomography, Höglund M; Muren C; Schmidt D, Acta Radiol 1989; **30:** 459

common bile duct cancer with massive necrosis mimicking choledochal dilatation on CT: case report, Miyake H; Matsumoto S; Ueda S; et al, Acta Radiol 1991; **32:** 337

cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; **180:** 51

CT of hilar cholangiocarcinoma: late contrast enhancement in six patients, Takayasu K; Ikeya S; Mukai K; et al, AJR 1990; **154:** 1203

CT of the extrahepatic bile ducts: wall thickness and contrast enhancement in normal and abnormal ducts, Schulte SJ; Baron RL; Teefey SA; et al, AJR 1990; **154:** 79

evaluation of recurrent pyogenic cholangitis with CT: analysis of 50 patients, Chan F-L; Man S-W; Leong LLY; Fan S-T, Radiology 1989; **170:** 165

hepatobiliary fascioliasis: noninvasive imaging findings, Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G, Radiology 1990; **174:** 809

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; **172:** 689

lymphadenopathy in primary biliary cirrhosis: CT observations, Outwater E; Kaplan MM; Bankoff MS, Radiology 1989; **171:** 731

lymphadenopathy in primary biliary cirrhosis: CT observations, Kathrein H; Judmaier G; Vogel W, Radiology 1990; **175:** 285

mucocele of the cystic duct remnant in eight liver transplant recipients: findings at cholangiography, CT, and US, Zajko AB; Bennett MJ; Campbell WL; Koneru B, Radiology 1990; **177:** 691

normal intrahepatic bile ducts: CT depiction, Liddell RM; Baron RL; Ekstrom JE; Varnell RM; Shuman WP, Radiology 1990; **176:** 633

post-operative abdominal CT scanning in extrahepatic biliary atresia, Day DL; Mulcahy PF; Dehner LP; et al, Pediatr Radiol 1989; **19:** 379

role of computed tomography in the evaluation of Caroli's disease, Hopper KD, Clin Imag 1989; **13:** 68

Bile ducts, cysts

biliary malignancies occurring in choledochal cysts, Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A, Radiology 1989; **173:** 389

choledochal cyst: findings on cholangiopancreatography with emphasis on ectasia of the common channel, Wiedmeyer DA; Stewart ET; Dodds WJ; et al, AJR 1989; **153:** 969

choledochal cyst mimicking gallbladder in Tc-99m disofenin radionuclide cholescintigraphy, Wang P-W; Chen H-Y; Wan Y-L, Clin Nucl Med 1990; **15:** 811

choledochal cysts: classification and cholangiographic appearance, Savader SJ; Benenati JF; Venbrux AC; et al, AJR 1991; **156:** 327

choledochal cysts: role of noninvasive imaging, percutaneous transhepatic cholangiography, and percutaneous biliary drainage in diagnosis and treatment, Savader SJ; Venbrux AC; Benenati JF; Mitchell SE; Widlus DM; Cameron JL; Osterman FA Jr, JVIR 1991; **2:** 379

CT cholangiography of a choledochocele, Cory DA; Don S; West KW, Pediatr Radiol 1990; **21:** 73

hemorrhage into a choledochal cyst in a hemophiliac child, Stein M; Oates E, Pediatr Radiol 1989; **20:** 118

intrahepatic biliary cysts after hepatic portoenterostomy in four children with biliary atresia, Ishii K; Matsuo S; Hirayama Y; et al, Pediatr Radiol 1989; **19:** 471

preoperative ultrasound assessment of choledochal cysts: report of three cases, Jones SN; Lees WR; Russell RCG, Acta Radiol 1989; **30:** 35

scintigraphic features of choledochal cyst, Camponovo E; Buck JL; Drane WE, J Nucl Med 1989; **30:** 622

type 1 choledochal cysts: preoperative evaluation by ultrasound, Samad SA; Goon HK, Australas Radiol 1989; **33:** 160

use of CCK cholescintigraphy to differentiate choledochal cyst from gallbladder, Grossman SA; Patel BA; Blend MJ, Clin Nucl Med 1991; **16:** 226

Bile ducts, diseases

biliary complications of pancreatitis, Rohrmann CA Jr; Baron RL, Radiol Clin North Am 1989; **27:** 93

Caroli disease: central dot sign in CT, Choi BI; Yeon KM; Kim SH; Han MC, Radiology 1990; **174:** 161

Caroli disease: computed tomographic diagnosis, Sood GK; Mahapatra JR; Khurana A; et al, Gastrointest Radiol 1991; **16:** 243

Caroli's disease associated with infantile polycystic kidney disease: prenatal sonographic appearance, Hussman KL; Friedwald JP; Gollub MJ; et al, J Ultrasound Med 1991; **10:** 235

Caroli's disease in two sisters: diagnosis by ultrasonography and computed tomography, Höglund M; Muren C; Schmidt D, Acta Radiol 1989; **30:** 459

cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; **180:** 51

CT findings of clonorchiasis, Choi BI; Kim HJ; Han MC; et al, AJR 1989; **152:** 281

hepatobiliary fascioliasis: noninvasive imaging findings, Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G, Radiology 1990; **174:** 809

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

lymphadenopathy in primary biliary cirrhosis: CT observations, Outwater E; Kaplan MM; Bankoff MS, Radiology 1989; **171:** 731

lymphadenopathy in primary biliary cirrhosis: CT observations, Kathrein H; Judmaier G; Vogel W, Radiology 1990; **175:** 285

mucocele of the cystic duct remnant in eight liver transplant recipients: findings at cholangiography, CT, and US, Zajko AB; Bennett MJ; Campbell WL; Koneru B, Radiology 1990; **177:** 691

percutaneous choledochoscopic choledocholithotomy in Caroli's disease, King JN; Orrison WW; Davis M; et al, Gastrointest Radiol 1990; **15:** 137

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

role of computed tomography in the evaluation of Caroli's disease, Hopper KD, Clin Imag 1989; **13:** 68

sclerosing cholangitis: palliation with percutaneous cholangioplasty, Skolkin MD; Alspaugh JP; Casarella WJ; Chuang VP; Galambos JT, Radiology 1989; **170:** 199

sonographic patterns of Caroli's disease: report of 5 new cases, Tomà P; Lucigrai G; Pelizza A, JCU 1991; **19:** 155

transhepatic cholangiography in patients with suspected biliary disease and nondilated intrahepatic bile ducts, Teplick SK; Flick P; Brandon JC, Gastrointest Radiol 1991; **16:** 193

Bile ducts, endoscopic drainage

endoscopic approach to malignant biliary obstruction, Devière J; Cremer M, Cardiovasc Intervent Radiol 1990; **13:** 223

endoscopic management of biliary tract stones and stenosis, Zimmon DS; Clemett AR, Cardiovasc Intervent Radiol 1990; **13:** 252

persistent bile leak after liver transplantation: biloma drainage and endoscopic retrograde cholangiopancreatographic sphincterotomy, Ward EM; Wiesner RH; Hughes RW; Krom RAF, Radiology 1991; **179:** 719

sclerosing cholangitis: palliation with percutaneous cholangioplasty, Skolkin MD; Alspaugh JP; Casarella WJ; Chuang VP; Galambos JT, Radiology 1989; **170:** 199

Bile ducts, enlarged

biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Huntington DK; Hill MC; Steinberg W, Radiology 1989; **172:** 47

choledochocoele complicated by carcinoma, Donald JJ; Coral A; Lees WR, Clin Radiol 1989; **40:** 101

congenital biliary dilatation: a spectrum of disease detailed by ultrasound, Young W; Blane C; White SJ; et al, Br J Radiol 1990; **63:** 333

congenital dilatation of the bile duct in 100 instances and its relationship with anomalous junction, (ab), Okada A; Nakamura T; Higaki J; et al, JVIR 1991; **2:** 419

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

stilette sign: the appearance of dilated bile ducts in the fatty liver, Ingram C; Joseph AEA, Clin Radiol 1989; **40:** 257

Bile ducts, hemorrhage

angiographic management of massive hemobilia due to iatrogenic trauma, Okazaki M; Ono H; Higashihara H; et al, Gastrointest Radiol 1991; **16:** 205

control of hemobilia by embolization of a false aneurysm and arterioportobiliary fistula of the hepatic artery, Beningfield SJ; Bornman PC; Krige JEJ; et al, AJR 1991; **156:** 1263

cystic artery pseudoaneurysm: a rare cause of hemobilia, Strickland SK; Khoury MB; Kiproff PM; et al, Cardiovasc Intervent Radiol 1991; **14:** 183

hemobilia complicating transhepatic catheter drainage in liver transplant recipients: management with selective embolization, Zajko AB; Chablani V; Bron KM; et al, Cardiovasc Intervent Radiol 1990; **13:** 285

hemobilia: transcatheter occlusive therapy and long-term follow-up, Uflacker R; Mourão GS; Piske RL; et al, Cardiovasc Intervent Radiol 1989; **12:** 136

Bile ducts, inflammation

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Bile ducts, injuries

iatrogenic biliary tract complications: radiologic features and clinical significance, Ghahremani G; Crampton AR; Bernstein JR; Caprini JA, Radiographics 1991; **11:** 441

perforation of the common bile duct during endoscopic sphincterotomy: recognition on computed tomography and successful percutaneous treatment, Lambiase RE; Cronan JJ; Ridlen M, Gastrointest Radiol 1989; **14:** 133

Bile ducts, interventional procedure

animal model for fluoroscopically guided laser application in the biliary tree, Dachman AH; McGehee JA; Beam TE; Venbrux AC; Hoyt RF; Burris JA, Radiology 1990; **174:** 1021

balloon dilatation and insertion of a self-expandable flexible metallic stent in a benign stricture of the left hepatic duct: case report, Günther RW; Vorwerk D; Thon H-J; et al, Cardiovasc Intervent Radiol 1989; **12:** 69

balloon dilatation of intrahepatic biliary strictures for percutaneous extraction of residual intrahepatic stones, Lee Y; Lee BH; Park JH; et al, Cardiovasc Intervent Radiol 1991; **14:** 102

balloon dilatation of the ampulla of Vater: an experimental study in the rabbit, Riesenfeld V; Hägerstrand I; Lunderquist A, Acta Radiol 1990; **31:** 222

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; **176:** 15

benign biliary strictures: treatment with percutaneous cholangioplasty, Citron SJ; Martin LG, Radiology 1991; **178:** 339

biliary complications after liver transplantation in children, Letourneau JG; Hunter DW; Ascher NL; Roberts JP; Payne WD; Thompson WM; Najarian JS; Castaneda-Zuniga WR; Day DL, Radiology 1989; **170:** 1095

biliary duct stones: percutaneous transhepatic removal, Stokes KR; Clouse ME, Cardiovasc Intervent Radiol 1990; **13:** 240

biliary duct stones: update on 54 cases after percutaneous transhepatic removal, Stokes KR; Falchuk KR; Clouse ME, Radiology 1989; **170:** 999

biliary endoprostheses: plastic versus metal stents, Lammer J, Radiol Clin North Am 1990; **28:** 1211

biliary intervention—technique and devices: a commentary, Coons H, Cardiovasc Intervent Radiol 1990; **13:** 211

biliary-jejunal drainage for failed biliary-duodenal drainage, Rankin RN; Vellet DA; O'Kelly KF, J Canad Assoc Radiol 1991; **42:** 106

biliary lithotripsy: early observations in 106 patients. work in progress, Burhenne HJ; Becker CD; Malone DE; Rawat B; Fache JS, Radiology 1989; **171:** 363

biliary lithotripsy team: the necessity for an interdisciplinary approach, Torres WE; Maglinte DDT; Steinberg HV, Radiology 1989; **171:** 73

biliary stenting for malignant jaundice: a district hospital experience, Huddart RA; Hubbard CSF; Dickinson RJ, Clin Radiol 1991; **43:** 103

can the newer interventional procedures replace cholecystectomy for cholecystolithiasis?, Burhenne HJ, Radiology 1989; **170:** 574

carcinoma of the gallbladder: a risk associated with gallbladder-preserving treatments for cholelithiasis, So CB; Gibney RG; Scudamore CH, Radiology 1990; **174:** 127

choledochal cysts: role of noninvasive imaging, percutaneous transhepatic cholangiography, and percutaneous biliary drainage in diagnosis and treatment, Savader SJ; Venbrux AC; Benenati JF; Mitchell SE; Widlus DM; Cameron JL; Osterman FA Jr, JVIR 1991; **2:** 379

choledochoscopy: a cost-minimization analysis, (ab), Nagorney DM; Lohmuller JL, Radiology 1990; **177:** 595

combined radiologic and retrograde endoscopic and biliary interventions, Gordon RL; Ring EJ, Radiol Clin North Am 1990; **28:** 1289

common bile duct and intrahepatic stones: results of transhepatic electrohydraulic lithotripsy in 50 patients, Bonnel DH; Liguory CE; Cornud FE; Lefebvre J-FP, Radiology 1991; **180:** 345

drainage of bile ducts with an articulated T tube, Cope C; Gensburg RS, JVIR 1990; **1:** 113

embolization of a catheter-related hepatic artery pseudoaneurysm after long-term biliary drainage, Goodacre BW; Chipperfield P; Harrison PB, J Canad Assoc Radiol 1990; **41:** 308

endoscopy as an adjuvant to biliary radiologic intervention, Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr, Radiology 1991; **180:** 355

evaluation of polymer-coated balloon-expandable stents in bile ducts, Alvarado R; Palmaz JC; Garcia OJ; Tio FO; Rees CR, Radiology 1989; **170:** 975

expandable biliary metal stents for malignancies: endoscopic insertion and diathermic cleaning for tumor ingrowth, (ab), Cremer M; Devier J; Sugai B; et al, JVIR 1991; **2:** 296

expandable metallic biliary endoprostheses: preliminary clinical evaluation, Yoshioka T; Sakaguchi H; Yoshimura H; Tamada T; Ohishi H; Uchida H; Wallace S, Radiology 1990; **177:** 253

gallbladder lithotripsy, Steinberg HV; Torres WE; Nelson RC, Radiology 1989; **172:** 7

Gianturco expandable metallic biliary stents: results of a European clinical trial, Irving JD; Adam A; Dick R; Dondelinger RF; Lunderquist A; Roche A, Radiology 1989; **172:** 321

hemobilia complicating transhepatic catheter drainage in liver transplant recipients: management with selective embolization, Zajko AB; Chablani V; Bron KM; et al, Cardiovasc Intervent Radiol 1990; **13:** 285

hepatic bilomas due to hepatic artery thrombosis in liver transplant recipients: percutaneous drainage and clinical outcome, Kaplan SB; Zajko AB; Koneru B, Radiology 1990; **174:** 1031

hilar biliary strictures after liver transplantation: cholangiography and percutaneous treatment, Ward EM; Kiely MJ; Maus TP; Wiesner RH; Krom RAF, Radiology 1990; **177:** 259

hilar malignancy: treatment with an expandable metallic transhepatic biliary stent, LaBerge JM; Doherty M; Gordon RL; Ring EJ, Radiology 1990; **177:** 793

history of interventional radiology of the biliary tract, Burhenne HJ, Radiol Clin North Am 1990; **28:** 1139

iatrogenic biliary tract complications: radiologic features and clinical significance, Ghahremani G; Crampton AR; Bernstein JR; Caprini JA, Radiographics 1991; **11:** 441

left hepatic duct anatomy: implications, Russell E; Yrizzary JM; Montalvo BM; Guerra JJ Jr; Al-Refai F, Radiology 1990; **174:** 353

left lobe of the liver: percutaneous biliary drainage, Kaufman SL; Kadir S; Mitchell SE; Kinnison ML; Chang R, Radiology 1989; **170:** 191

malignant biliary obstruction: percutaneous use of self-expandable stents, Laméris JS; Stoker J; Nijs HGT; Zonderland HM; Terpstra OT; van Blankenstein M; Schütte HE, Radiology 1991; **179:** 703

metallic endoprostheses: boon or bust?, Mueller PR, Radiology 1991; **179:** 603

metallic stents, Cwikiel W; Ivancev K; Lunderquist A, Radiol Clin North Am 1990; **28:** 1203

multidisciplinary approach to complex endoscopic biliary intervention, Chespak LW; Ring EJ; Shapiro HA; Gordon RL; Ostroff JW, Radiology 1989; **170:** 995

newer interventional procedures for treatment of cholecystolithiasis, Gleeson MJ; Griffith DP, Radiology 1989; **172:** 285

obstructions of the hepatic duct confluence: internal drainage of bilateral lesions with a single catheter, Burke DR; McLean GK, Radiology 1989; **172:** 1035

obstructive jaundice: use of expandable metal endoprosthesis for biliary drainage, Lammer J; Klein GE; Kleinert R; Hausegger K; Einspieler R, Radiology 1990; **177:** 789

occlusion of biliary endoprostheses: presentation and management, Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF, Radiology 1990; **176:** 531

palliation of obstructive jaundice with a biliary endoprosthesis. comparison of insertion by the percutaneous-transhepatic and the combined percutaneous-endoscopic routes, Hall RI; Denyer ME; Chapman AH, Clin Radiol 1989; **40:** 186

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

pancreatic response to percutaneous biliary drainage: a prospective study, Savader SJ; Venbrux AC; Robbins KV; Gittelsohn AM; Osterman FA Jr, Radiology 1991; **178:** 343

percutaneous ablation of the cystic duct and the gallbladder: experimental and early clinical results, Becker CD; Burhenne HJ, Semin Roentgenol 1991; **26:** 259

percutaneous balloon dilatation of benign biliary strictures, Morrison MC; Lee MJ; Saini S; et al, Radiol Clin North Am 1990; **28:** 1191

percutaneous biliary drainage for high obstruction, Barth KH, Radiol Clin North Am 1990; **28:** 1223

percutaneous cholecystolithotomy: a minimally invasive alternative to cholecystectomy and to shock wave lithotripsy, (ab), Griffith DP; Gleeson MJ; Appel MF; et al, JVIR 1990; **1:** 140

percutaneous dislodgement of an impaired cystic duct stone, Zagoria RJ; Dyer RB; Herrera MA; et al, Gastrointest Radiol 1989; **14:** 337

percutaneous gallbladder intervention, Picus D, Radiology 1990; **176:** 5

percutaneous management of benign biliary strictures with balloon dilation and self-expanding metallic stents, Rossi P; Salvatori FM; Bezzi M; et al, Cardiovasc Intervent Radiol 1990; **13:** 231

percutaneous removal of biliary stones, Gandini G; Righi D; Regge D; et al, Cardiovasc Intervent Radiol 1990; **13:** 245

percutaneous transhepatic biliary drainage: alternatives in left hepatic duct obstruction, Uflacker R; Mourão GS; Piske RL; et al, Gastrointest Radiol 1989; **14:** 137

percutaneous transhepatic Oddi-sphincter dilatation for bile duct stone removal, Graziani L; Fabrizzi G; Manfrini E; et al, AJR 1989; **152:** 73

percutaneous transjejunal access to the biliary system, Gibson RN; Collier NA; Speer AG, Radiology 1990; **175:** 286

percutaneous transjejunal approaches to the biliary system, Martin EC; Laffey KJ; Bixon R, Radiology 1989; **172:** 1031

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

perforation of the common bile duct during endoscopic sphincterotomy: recognition on computed tomography and successful percutaneous treatment, Lambiase RE; Cronan JJ; Ridlen M, Gastrointest Radiol 1989; **14:** 133

persistent bile leak after liver transplantation: biloma drainage and endoscopic retrograde cholangiopancreatographic sphincterotomy, Ward EM; Wiesner RH; Hughes RW; Krom RAF, Radiology 1991; **179:** 719

pleural block: technique for regional anesthesia during percutaneous hepatobiliary drainage, Rosenblatt M; Robalino J; Bergman A; Shevde K, Radiology 1989; **172:** 279

radiologic approach to malignant biliary obstruction: review and commentary, Ring EJ, Cardiovasc Intervent Radiol 1990; **13:** 217

recurrent benign biliary strictures: management with self-expanding metallic stents, Rossi P; Bezzi M; Salvatori FM; Maccioni F; Porcaro ML, Radiology 1990; **175:** 661

retained anchoring suture after removal of a cope-loop drainage catheter: use of the retract-and-cut method, Zegel HG; Brisson LJ; Freiman DB; Weese J; Hartz W; Schilling JF, JVIR 1991; **2:** 281

role of endoprostheses in the management of malignant biliary obstruction, McLean GK; Burke DR, Radiology 1989; **170:** 961

role of interventional radiology for complications of cholecystectomy, (ab), vanSonnenberg E; Casola G; Wittich GR; et al, JVIR 1990; **1:** 140

role of percutaneous intracorporeal electrohydraulic lithotripsy in the treatment of biliary tract calculi: work in progress, Picus D; Weyman PJ; Marx MV, Radiology 1989; **170:** 989

sclerosing cholangitis: palliation with percutaneous cholangioplasty, Skolkin MD; Alspaugh JP; Casarella WJ; Chuang VP; Galambos JT, Radiology 1989; **170:** 199

self-expandable stainless steel braided endoprosthesis for biliary strictures, Gillams A; Dick R; Dooley JS; Wallsten H; El-Din A, Radiology 1990; **174:** 137

self-expanding stainless steel biliary stents, Coons HG, Radiology 1989; **170:** 979

shock wave lithotripsy of gallstones: results and 12-month follow-up in 174 patients, Torres WE; Baumgartner BR; Nelson RC; Morris SJ, Radiology 1991; **179:** 699

simplified T-tube replacement with two-piece retrievable catheters, Scotti DM, JVIR 1991; **2:** 393

technical note: two balloon technique for disimpaction of intrahepatic biliary stones, Redmond PL; Kumpe DA, Cardiovasc Intervent Radiol 1989; **12:** 45

technical report: management of tract disruption due to radiologic T-tube extraction of a retained common bile duct stone, Malone DE; Burhenne HJ, Clin Radiol 1991; **43:** 207

transhepatic laser lithotripsy of choledocholithiasis: initial clinical experience, Sullivan KL; Bagley DH Jr; Gordon SJ; Soulen MC; Grasso M; Bonn J; Shapiro MJ, JVIR 1991; **2:** 387

treatment of biliary leaks and fistulae by simultaneous percutaneous drainage and diversion, Vaccaro JP; Dorfman GS; Lambiase RE, Cardiovasc Intervent Radiol 1991; **14:** 109

tumor seeding from percutaneous biliary catheters, (ab), Chapman WC; Sharp KW; Weaver F; et al, Radiology 1990; **174:** 289

use of a modified angioplasty balloon catheter in the dilatation of tight biliary structures, (ab), Rao KJM; Blake H; Theodossi A, Radiology 1990; **177:** 595

use of the Hawkins-Hunter rocket wire in the biliary system, Shaw DWW; Coldwell DM; Kimmey M; et al, AJR 1990; **154:** 1101

Bile ducts, leakage

bile leakage accumulating in the gallbladder bed mimicking normal visualization of gallbladder in technetium-99m DISIDA hepatobiliary imaging, Shih W-J; Duff D; Mostowycz L, Clin Nucl Med 1989; **14:** 222

bile leak following an elective laparoscopic cholecystectomy: the role of hepatobiliary imaging in the diagnosis and management of bile leaks, Rosenberg DJ; Brugge WR; Alavi A, J Nucl Med 1991; **32:** 1777

biliary complications after liver transplantation in children, Letourneau JG; Hunter DW; Ascher NL; Roberts JP; Payne WD; Thompson WM; Najarian JS; Castaneda-Zuniga WR; Day DL, Radiology 1989; **170:** 1095

contained bile leak secondary to falciform ligament tear demonstrated by hepatobiliary imaging, Toney MAO; Moreno AJ; Rodriguez AA; et al, Clin Nucl Med 1991; **16:** 182

endoscopic management of postoperative biliary leaks: review of 77 cases and report of two cases with biloma formation, (ab), Binmoeller KF; Katon RM; Shneidman R, JVIR 1991; **2:** 420

hepatic bilomas due to hepatic artery thrombosis in liver transplant recipients: percutaneous drainage and clinical outcome, Kaplan SB; Zajko AB; Koneru B, Radiology 1990; **174:** 1031

occlusion of biliary endoprostheses: presentation and management, Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF, Radiology 1990; **176:** 531

percutaneous transcatheter occlusion of cystic duct stump in postcholecystectomy bile leakage, Berger H; Weinzierl M; Neville E-S; et al, Gastrointest Radiol 1989; **14:** 334

persistent bile leak after liver transplantation: biloma drainage and endoscopic retrograde cholangiopancreatographic sphincterotomy, Ward EM; Wiesner RH; Hughes RW; Krom RAF, Radiology 1991; **179:** 719

pseudonormal hepatobiliary scintigraphy in a patient with a bile leak, Singh A; Valle G, Clin Nucl Med 1990; **15:** 843

role of radiology in the diagnosis and treatment of biliary complications after liver transplantation, Letourneau JG; Castaneda-Zuniga WR, Cardiovasc Intervent Radiol 1990; **13:** 278

scintigraphic detection of bile leakage after cholecystectomy, Chak SP; Gupta SM, Clin Nucl Med 1990; **15:** 116

spontaneous perforation of the common bile duct in children, Haller JO; Condon VR; Berdon WE; Oh KS; Price AP; Bowen A; Cohen HL, Radiology 1989; **172:** 621

spontaneous perforation of the common bile duct in children, Baisam D; Wasserstein GJ, Radiology 1990; **174:** 578

standing views to differentiate gallbladder or bile leak from duodenal activity on cholescintigrams, Lette J; Morin M; Heyen F; et al, Clin Nucl Med 1990; **15:** 231

treatment of biliary leaks and fistulae by simultaneous percutaneous drainage and diversion, Vaccaro JP; Dorfman GS; Lambiase RE, Cardiovasc Intervent Radiol 1991; **14:** 109

use of radionuclide imaging in the evaluation of suspected biliary damage during laparoscopic cholecystectomy, Gelman R; Alexander MS; Zucker KA; et al, Gastrointest Radiol 1991; **16:** 201

Bile ducts, MR

comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL, JMRI 1991; **1:** 357

dilated biliary tract: evaluation with MR cholangiography with a T2-weighted CE-FAST sequence, Wallner BK; Schumacher KA; Weidenmaier W; Friedrich JM, Radiology 1991; **181:** 805

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

Bile ducts, neoplasms

ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA, Radiology 1990; **175:** 455

biliary carcinoma: CT evaluation of extrahepatic spread, Engels JT; Balfe DM; Lee JKT, Radiology 1989; **172:** 35

biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Korobkin M; Stephens DH; Lee JKT; et al, AJR 1989; **153:** 507

biliary cystadenoma and cystadenocarcinoma: some unusual features, Cheung YK; Chan FL; Leong LLY; et al, Clin Radiol 1991; **43:** 183

biliary malignancies occurring in choledochal cysts, Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A, Radiology 1989; **173:** 389

carcinoid tumor of the bile duct: case report, Fujita N; Mochizuki F; Lee S; et al, Gastrointest Radiol 1989; **14:** 151

carcinoma of the cystic duct, Radin DR; Chandrasoma P; Ralls PW, Gastrointest Radiol 1990; **15:** 49

carcinoma of the main hepatic duct junction: indications, operative morbidity and mortality, and long-term survival, (ab), Tsuzuki T; Ueda M; Kuramochi S; et al, JVIR 1991; **2:** 297

case report: extra-hepatic biliary cystadenoma in association with adenomyomatosis of the gall-bladder, Hodgson T; Fox S; Bayjoo P, Clin Radiol 1991; **43:** 210

choledochocoele complicated by carcinoma, Donald JJ; Coral A; Lees WR, Clin Radiol 1989; **40:** 101

combined modality therapy of extrahepatic biliary system cancer, Minsky BD; Wesson MF; Armstrong JG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1157

common bile duct cancer with massive necrosis mimicking choledochal dilatation on CT: case report, Miyake H; Matsumoto S; Ueda S; et al, Acta Radiol 1991; **32:** 337

CT of hilar cholangiocarcinoma: late contrast enhancement in six patients, Takayasu K; Ikeya S; Mukai K; et al, AJR 1990; **154:** 1203

diagnostic value of brush cytology in the diagnosis of bile duct carcinoma: a study in 65 patients with bile duct strictures, (ab), Rabinovitz M; Zajko AB; Hassanein T; et al, JVIR 1991; **2:** 298

dilated biliary tract: evaluation with MR cholangiography with a T2-weighted CE-FAST sequence, Wallner BK; Schumacher KA; Weidenmaier W; Friedrich JM, Radiology 1991; **181:** 805

endoscopic ultrasonography in the diagnosis of depth invasion and lymph node metastasis of carcinoma of the papilla of Vater, Mitake M; Nakazawa S; Tsukamoto Y; et al, J Ultrasound Med 1990; **9:** 645

expandable metallic biliary endoprostheses: preliminary clinical evaluation, Yoshioka T; Sakaguchi H; Yoshimura H; Tamada T; Ohishi H; Uchida H; Wallace S, Radiology 1990; **177:** 253

Gianturco expandable metallic biliary stents: results of a European clinical trial, Irving JD; Adam A; Dick R; Dondelinger RF; Lunderquist A; Roche A, Radiology 1989; **172:** 321

Gianturco-Rosch biliary stents: preliminary experience, Martin EC; Laffey KJ; Bixon R; Getrajdman GI, JVIR 1990; **1:** 101

hepatocellular carcinoma in extrahepatic bile ducts, Park CM; Cha IH; Chung KB; et al, Acta Radiol 1991; **32:** 34

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; **172:** 689

hilar malignancy: treatment with an expandable metallic transhepatic biliary stent, LaBerge JM; Doherty M; Gordon RL; Ring EJ, Radiology 1990; **177:** 793

left lobe of the liver: percutaneous biliary drainage, Kaufman SL; Kadir S; Mitchell SE; Kinnison ML; Chang R, Radiology 1989; **170:** 191

lymphoma in the wall of the bile ducts: radiologic imaging, Tartar VM; Balfe DM, Gastrointest Radiol 1990; **15:** 53

metallic endoprostheses: boon or bust?, Mueller PR, Radiology 1991; **179:** 603

multimodality evaluation of Klatskin tumor: detection by SPECT alone, Glaser AM; Chen DCP; Siegel ME, Clin Nucl Med 1989; **14:** 227

obstructing villous adenoma and papillary adenomatosis of the bile ducts, Harshfield DL; Teplick SK; Stanton M; et al, AJR 1990; **154:** 1217

obstructions of the hepatic duct confluence: internal drainage of bilateral lesions with a single catheter, Burke DR; McLean GK, Radiology 1989; **172:** 1035

obstructive jaundice: use of expandable metal endoprosthesis for biliary drainage, Lammer J; Klein GE; Kleinert R; Hausegger K; Einspieler R, Radiology 1990; **177:** 789

occlusion of biliary endoprostheses: presentation and management, Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF, Radiology 1990; **176:** 531

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

role of endoprostheses in the management of malignant biliary obstruction, McLean GK; Burke DR, Radiology 1989; **170:** 961

role of radiotherapy in the treatment of bile duct carcinoma, Veeze-Kuijpers B; Meerwaldt JH; Laméris JS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 63

self-expandable stainless steel braided endoprosthesis for biliary strictures, Gillams A; Dick R; Dooley JS; Wallsten H; El-Din A, Radiology 1990; **174:** 137

sonogram of multiple bile duct hamartomas, Tan A; Shen J-F; Hecht AH, JCU 1989; **17:** 667

tumor seeding from percutaneous biliary catheters, (ab), Chapman WC; Sharp KW; Weaver F; et al, Radiology 1990; **174:** 289

Bile ducts, obstruction

See Bile ducts, stenosis or obstruction

Bile ducts, percutaneous drainage

See Bile ducts, interventional procedure

Bile ducts, prostheses

biliary endoprostheses: plastic versus metal stents, Lammer J, Radiol Clin North Am 1990; **28:** 1211

biliary endoprosthesis dysfunction in patients with malignant hilar tumors: successful treatment by percutaneous replacement of the stent, Jackson JE; Roddie ME; Yeung EYC; et al, AJR 1990; **155:** 391

combined radiologic and endoscopic approach to removal of occluded double-mushroom biliary endoprosthesis: technical note, Stacy-Humphries R; Glass-Royal M; Teitelbaum GP; et al, Cardiovasc Intervent Radiol 1990; **13:** 381

drainage of a malignant common hepatic duct obstruction by a biliary endoprosthesis placed through a T-tube tract: technical note, Hahn PF; Girard MJ; Silverman SG; et al, Gastrointest Radiol 1989; **14:** 238

evaluation of polymer-coated balloon-expandable stents in bile ducts, Alvarado R; Palmaz JC; Garcia OJ; Tio FO; Rees CR, Radiology 1989; **170:** 975

expandable metallic biliary endoprostheses: preliminary clinical evaluation, Yoshioka T; Sakaguchi H; Yoshimura H; Tamada T; Ohishi H; Uchida H; Wallace S, Radiology 1990; **177:** 253

gastric pneumatosis: sign of biliary stent–related perforation, Lowe GM; Bernfield JB; Smith CS; Matalon TAS, Radiology 1990; **174:** 1037

Gianturco-Rosch biliary stents: preliminary experience, Martin EC; Laffey KJ; Bixon R; Getrajdman GI, JVIR 1990; **1:** 101

hilar malignancy: treatment with an expandable metallic transhepatic biliary stent, LaBerge JM; Doherty M; Gordon RL; Ring EJ, Radiology 1990; **177:** 793

malignant biliary obstruction: percutaneous use of self-expandable stents, Laméris JS; Stoker J; Nijs HGT; Zonderland HM; Terpstra OT; van Blankenstein M; Schütte HE, Radiology 1991; **179:** 703

management of occluded metallic self-expandable biliary endoprostheses, Jackson JE; Roddie ME; Chetty N; et al, AJR 1991; **157:** 291

metallic stents, Cwikiel W; Ivancev K; Lunderquist A, Radiol Clin North Am 1990; **28:** 1203

new technique for removing occluded double mushroom-tipped biliary endoprostheses, Yeung EYC; O'Donnell C; Carvalho P; et al, AJR 1989; **152:** 527

obstructive jaundice: use of expandable metal endoprosthesis for biliary drainage, Lammer J; Klein GE; Kleinert R; Hausegger K; Einspieler R, Radiology 1990; **177:** 789

occlusion of biliary endoprostheses: presentation and management, Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF, Radiology 1990; **176:** 531

palliation of obstructive jaundice with a biliary endoprosthesis. comparison of insertion by the percutaneous-transhepatic and the combined percutaneous-endoscopic routes, Hall RI; Denyer ME; Chapman AH, Clin Radiol 1989; **40:** 186

percutaneous transhepatic placement of biliary endoprostheses: results in 100 consecutive patients, Dick BW; Gordon RL; LaBerge JM; Doherty MM; Ring EJ, JVIR 1990; **1:** 97

placement of a metallic biliary endoprosthesis via cholecystostomy, Dawson SL; Girard MJ; Saini S; et al, AJR 1991; **157:** 491

recurrent benign biliary strictures: management with self-expanding metallic stents, Rossi P; Bezzi M; Salvatori FM; Maccioni F; Porcaro ML, Radiology 1990; **175:** 661

role of endoprostheses in the management of malignant biliary obstruction, McLean GK; Burke DR, Radiology 1989; **170:** 961

sclerosing cholangitis: palliation with percutaneous cholangioplasty, Skolkin MD; Alspaugh JP; Casarella WJ; Chuang VP; Galambos JT, Radiology 1989; **170:** 199

self-expandable stainless steel braided endoprosthesis for biliary strictures, Gillams A; Dick R; Dooley JS; Wallsten H; El-Din A, Radiology 1990; **174:** 137

self-expandable stainless steel endoprostheses for treatment of malignant bile duct obstruction, Adam A; Chetty N; Roddie M; et al, AJR 1991; **156:** 321

self-expanding stainless steel biliary stents, Coons HG, Radiology 1989; **170:** 979

simple prosthesis for ready access to the closed afferent limb of a hepatico-jejunostomy, Cameron DC; Tan EG; Da Cruz M; et al, Australas Radiol 1991; **35:** 75

transhepatic endoprosthesis and surgical anastomosis in the palliative treatment of bile duct obstructions, Skjennald A; Heldaas J; Henjum A; et al, Eur J Radiol 1989; **9:** 167

Bile ducts, radionuclide studies

bile leakage accumulating in the gallbladder bed mimicking normal visualization of gallbladder in technetium-99m DISIDA hepatobiliary imaging, Shih W-J; Duff D; Mostowycz L, Clin Nucl Med 1989; **14:** 222

bile leak following an elective laparoscopic cholecystectomy: the role of hepatobiliary imaging in the diagnosis and management of bile leaks, Rosenberg DJ; Brugge WR; Alavi A, J Nucl Med 1991; **32:** 1777

case report: multiple congenital abnormalities indentifiable on $^{99}Tc^{m}$ HIDA scan, Peters AM; Gordon I, Clin Radiol 1989; **40:** 629

choledochal cyst mimicking gallbladder in Tc-99m disofenin radionuclide cholescintigraphy, Wang P-W; Chen H-Y; Wan Y-L, Clin Nucl Med 1990; **15:** 811

correlation of technetium-99m-DISIDA hepatobiliary studies with biopsies in liver transplant patients, Kuni CC; Engeler CM; Nakhleh RE; et al, J Nucl Med 1991; **32:** 1545

diagnosis of sclerosing cholangitis with technetium 99m-labeled iminodiacetic acid planar and single photon emission computed tomographic scintigraphy, (ab), Rodman CA; Keeffe EB; Lieberman DA; et al, Radiology 1989; **170:** 899

false-negative morphine-augmented biliary image, Conrad MR; Goldfarb AL; Weaver AA, Clin Nucl Med 1989; **14:** 625

false-positive radionuclide hepatobiliary imaging following cystic duct stone removal, Zagoria RJ; Cowan RJ; Dyer RB; et al, Clin Nucl Med 1989; **14:** 153

hematobilia causing complete biliary obstruction on Tc-99m DISIDA scan, Williamson MR; Rosenberg RD; Davis M; et al, Clin Nucl Med 1990; **15:** 583

incidental demonstration of pericardial fistula during hepatobiliary scintigraphy, Marlatt SW; Caride VJ; Prokop EK, J Nucl Med 1991; **32:** 518

incidental visualization of abdominal varices during cholescintigraphy, Villani MA; Krugman RL; Agress H Jr, Clin Nucl Med 1991; **16:** 53

multimodality evaluation of Klatskin tumor: detection by SPECT alone, Glaser AM; Chen DCP; Siegel ME, Clin Nucl Med 1989; **14:** 227

naloxone reverses pattern of obstruction of the distal common bile duct induced by analgesic narcotics in hepatobiliary imaging, Patch GG; Morton KA; Arias JM; et al, J Nucl Med 1991; **32:** 1270

pseudonormal hepatobiliary scintigraphy in a patient with a bile leak, Singh A; Valle G, Clin Nucl Med 1990; **15:** 843

quantification of hepatobiliary function as an integral part of imaging with technetium-99m-mebrofenin in health and disease, Doo E; Krishnamurthy GT; Eklem MJ; et al, J Nucl Med 1991; **32:** 48

quantitative ^{99m}Tc-DISIDA scanning and endoscopic biliary manometry in sphincter of Oddi dysfunction, (ab), Fullarton GM; Allan A; Hilditch T; et al, Radiology 1989; **171:** 881

results of hepatobiliary imaging using Tc-99m EHIDA, Ansari SM; Ahmed R; Rokonuddin, Clin Nucl Med 1989; **14:** 354

role of hepatobiliary imaging in the evaluation and management of patients with common bile duct gallstones, Silfen D; Long WB; Alavi A, J Nucl Med 1991; **32:** 1261

scintigraphic detection of focal biliary obstruction, Drake DG; duCret RP; Day DL; et al, Clin Nucl Med 1989; **14:** 458

scintigraphic "duodenal cut off sign" in acute pancreatitis, Shanley DJ; Buckner AB; Alexander HG, Clin Nucl Med 1991; **16:** 223

scintigraphic features of choledochal cyst, Camponovo E; Buck JL; Drane WE, J Nucl Med 1989; **30:** 622

sincalide-augmented quantitative hepatobiliary scintigraphy (QHBS): definition of normal parameters and preliminary relationship between QHBS and sphincter of Oddi (SO) manometry in patients suspected of having SO dysfunction, Drane WE; Johnson DA, J Nucl Med 1990; **31:** 1462

spontaneous perforation of the common bile duct in children, Haller JO; Condon VR; Berdon WE; Oh KS; Price AP; Bowen A; Cohen HL, Radiology 1989; **172:** 621

spontaneous perforation of the common bile duct in children, Balsam D; Wasserstein GJ, Radiology 1990; **174:** 578

use of radionuclide imaging in the evaluation of suspected biliary damage during laparoscopic cholecystectomy, Gelman R; Alexander MS; Zucker KA; et al, Gastrointest Radiol 1991; **16:** 201

Bile ducts, stenosis or obstruction

animal model for fluoroscopically guided laser application in the biliary tree, Dachman AH; McGehee JA; Beam TE; Venbrux AC; Hoyt RF; Burris JA, Radiology 1990; **174:** 1021

balloon dilatation and insertion of a self-expandable flexible metallic stent in a benign stricture of the left hepatic duct: case report, Günther RW; Vorwerk D; Thon H-J; et al, Cardiovasc Intervent Radiol 1989; **12:** 69

balloon dilatation of intrahepatic biliary strictures for percutaneous extraction of residual intrahepatic stones, Lee Y; Lee BH; Park JH; et al, Cardiovasc Intervent Radiol 1991; **14:** 102

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; **176:** 15

benign biliary strictures: treatment with percutaneous cholangioplasty, Citron SJ; Martin LG, Radiology 1991; **178:** 339

benign postoperative biliary strictures: operate or dilate?, (ab), Pitt HA; Kaufman SL; Coleman J; et al, Radiology 1990; **175:** 290

biliary complications after liver transplantation in children, Letourneau JG; Hunter DW; Ascher NL; Roberts JP; Payne WD; Thompson WM; Najarian JS; Castaneda-Zuniga WR; Day DL, Radiology 1989; **170:** 1095

biliary obstruction is best managed by endoscopists (editorial), (ab), Summerfield JA, Radiology 1989; **170:** 581

cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; **180:** 51

diagnostic value of brush cytology in the diagnosis of bile duct carcinoma: a study in 65 patients with bile duct strictures, (ab), Rabinovitz M; Zajko AB; Hassanein T; et al, JVIR 1991; **2:** 298

dilated biliary tract: evaluation with MR cholangiography with a T2-weighted CE-FAST sequence, Wallner BK; Schumacher KA; Weidenmaier W; Friedrich JM, Radiology 1991; **181:** 805

distal common bile duct stenosis secondary to benign duodenal ulceration: report of a case, Van Steenbergen W; Ponette E; Marchal G; et al, Gastrointest Radiol 1990; **15:** 215

drainage of a malignant common hepatic duct obstruction by a biliary endoprosthesis placed through a T-tube tract: technical note, Hahn PF; Girard MJ; Silverman SG; et al, Gastrointest Radiol 1989; **14:** 238

endoscopic approach to malignant biliary obstruction, Devière J; Cremer M, Cardiovasc Intervent Radiol 1990; **13:** 223

endoscopic management of biliary tract stones and stenosis, Zimmon DS; Clemett AR, Cardiovasc Intervent Radiol 1990; **13:** 252

endoscopy as an adjuvant to biliary radiologic intervention, Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr, Radiology 1991; **180:** 355

evaluation of polymer-coated balloon-expandable stents in bile ducts, Alvarado R; Palmaz JC; Garcia OJ; Tio FO; Rees CR, Radiology 1989; **170:** 975

expandable metallic biliary endoprostheses: preliminary clinical evaluation, Yoshioka T; Sakaguchi H; Yoshimura H; Tamada T; Ohishi H; Uchida H; Wallace S, Radiology 1990; **177:** 253

false-negative morphine-augmented biliary image, Conrad MR; Goldfarb AL; Weaver AA, Clin Nucl Med 1989; **14:** 625

Gianturco expandable metallic biliary stents: results of a European clinical trial, Irving JD; Adam A; Dick R; Dondelinger RF; Lunderquist A; Roche A, Radiology 1989; **172:** 321

Gianturco-Rosch biliary stents: preliminary experience, Martin EC; Laffey KJ; Bixon R; Getrajdman GI, JVIR 1990; **1:** 101

hematobilia causing complete biliary obstruction on Tc-99m DISIDA scan, Williamson MR; Rosenberg RD; Davis M; et al, Clin Nucl Med 1990; **15:** 583

hepaticodochojejunostomy with afferent limb: CT anatomy, Montalvo BM; Fanney DR; Yrizarry JM; et al, Gastrointest Radiol 1989; **14:** 246

hilar biliary strictures after liver transplantation: cholangiography and percutaneous treatment, Ward EM; Kiely MJ; Maus TP; Wiesner RH; Krom RAF, Radiology 1990; **177:** 259

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; **172:** 689

hilar malignancy: treatment with an expandable metallic transhepatic biliary stent, LaBerge JM; Doherty M; Gordon RL; Ring EJ, Radiology 1990; **177:** 793

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

left lobe of the liver: percutaneous biliary drainage, Kaufman SL; Kadir S; Mitchell SE; Kinnison ML; Chang R, Radiology 1989; **170:** 191

malignant biliary obstruction: percutaneous use of self-expandable stents, Laméris JS; Stoker J; Nijs HGT; Zonderland HM; Terpstra OT; van Blankenstein M; Schütte HE, Radiology 1991; **179:** 703

management of biliary obstruction in patients with unresectable carcinoma of the pancreas, (ab), McGrath PC; McNeill PM; Neifeld JP; et al, Radiology 1989; **173:** 289

measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Juni JE; Reichle R, Radiology 1990; **177:** 171

metallic endoprostheses: boon or bust?, Mueller PR, Radiology 1991; **179:** 603

microcholangiography: normal microbiliary system and its alteration after extrahepatic bile duct obstruction, Kang HS; Lee Y; Park JH; et al, Invest Radiol 1989; **24:** 451

MRI contrast media for the liver: efficacy in conditions of acute biliary obstruction, Leander P; Golman K; Klaveness J; et al, Invest Radiol 1990; **25:** 1130

mucocele of the cystic duct remnant in eight liver transplant recipients: findings at cholangiography, CT, and US, Zajko AB; Bennett MJ; Campbell WL; Koneru B, Radiology 1990; **177:** 691

naloxone reverses pattern of obstruction of the distal common bile duct induced by analgesic narcotics in hepatobiliary imaging, Patch GG; Morton KA; Arias JM; et al, J Nucl Med 1991; **32:** 1270

obstructions of the hepatic duct confluence: internal drainage of bilateral lesions with a single catheter, Burke DR; McLean GK, Radiology 1989; **172:** 1035

obstructive dilatation of extrahepatic recipient and donor bile ducts complicating orthotopic liver transplantation: imaging and laboratory findings, Miller WJ; Campbell WL; Zajko AB; et al, AJR 1991; **157:** 29

obstructive jaundice: use of expandable metal endoprosthesis for biliary drainage, Lammer J; Klein GE; Kleinert R; Hausegger K; Einspieler R, Radiology 1990; **177:** 789

occlusion of biliary endoprostheses: presentation and management, Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF, Radiology 1990; **176:** 531

pancreatic response to percutaneous biliary drainage: a prospective study, Savader SJ; Venbrux AC; Robbins KV; Gittelsohn AM; Osterman FA Jr, Radiology 1991; **178:** 343

percutaneous balloon dilatation of benign biliary strictures, Morrison MC; Lee MJ; Saini S; et al, Radiol Clin North Am 1990; **28:** 1191

percutaneous biliary drainage for high obstruction, Barth KH, Radiol Clin North Am 1990; **28:** 1223

percutaneous gallbladder intervention, Picus D, Radiology 1990; **176:** 5

percutaneous management of benign biliary strictures with balloon dilation and self-expanding metallic stents, Rossi P; Salvatori FM; Bezzi M; et al, Cardiovasc Intervent Radiol 1990; **13:** 231

percutaneous transhepatic biliary drainage: alternatives in left hepatic duct obstruction, Uflacker R; Mourão GS; Piske RL; et al, Gastrointest Radiol 1989; **14:** 137

percutaneous transhepatic placement of biliary endoprostheses: results in 100 consecutive patients, Dick BW; Gordon RL; LaBerge JM; Doherty MM; Ring EJ, JVIR 1990; **1:** 97

percutaneous transjejunal access to the biliary system, Gibson RN; Collier NA; Speer AG, Radiology 1990; **175:** 286

percutaneous transjejunal approaches to the biliary system, Martin EC; Laffey KJ; Bixon R, Radiology 1989; **172:** 1031

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

radiologic approach to malignant biliary obstruction: review and commentary, Ring EJ, Cardiovasc Intervent Radiol 1990; **13:** 217

recurrent benign biliary strictures: management with self-expanding metallic stents, Rossi P; Bezzi M; Salvatori FM; Maccioni F; Porcaro ML, Radiology 1990; **175:** 661

regenerating liver macronodule causing biliary obstruction, Kane RA; Falchuk KR; Uchman S; et al, JCU 1989; **17:** 434

role of endoprostheses in the management of malignant biliary obstruction, McLean GK; Burke DR, Radiology 1989; **170:** 961

role of radiology in the diagnosis and treatment of biliary complications after liver transplantation, Letourneau JG; Castaneda-Zuniga WR, Cardiovasc Intervent Radiol 1990; **13:** 278

sarcoma botryoides of the common bile duct: preoperative diagnosis of coronal CT and PTC, Verstandig A; Bar-Ziv J; Abu-Dalu KI; et al, Pediatr Radiol 1991; **21:** 152

scintigraphic detection of focal biliary obstruction, Drake DG; duCret RP; Day DL; et al, Clin Nucl Med 1989; **14:** 458

sclerosing cholangitis: palliation with percutaneous cholangioplasty, Skolkin MD; Alspaugh JP; Casarella WJ; Chuang VP; Galambos JT, Radiology 1989; **170:** 199

self-expandable stainless steel braided endoprosthesis for biliary strictures, Gillams A; Dick R; Dooley JS; Wallsten H; El-Din A, Radiology 1990; **174:** 137

self-expandable stainless steel endoprostheses for treatment of malignant bile duct obstruction, Adam A; Chetty N; Roddie M; et al, AJR 1991; **156:** 321

self-expanding stainless steel biliary stents, Coons HG, Radiology 1989; **170:** 979

sonography accurately detects biliary obstruction in patients with surgically created biliary-enteric anastomosis, Wilson SR; Toi A, AJR 1990; **155:** 789

spontaneous resolution of bile-plug syndrome, Lang EV; Pinckney LE, AJR 1991; **156:** 1225

thermal laser-induced stenosis of the common bile duct: an alternative model for experimental research, Vorwerk D; Günther RW; Kuepper W; et al, Invest Radiol 1989; **24:** 758

transhepatic endoprosthesis and surgical anastomosis in the palliative treatment of bile duct obstructions, Skjennald A; Heldaas J; Henjum A; et al, Eur J Radiol 1989; **9:** 167

US and CT findings in biliary obstruction due to tuberculous adenitis in the periportal area: 2 cases, Pombo F; Soler R; Arrojo L; et al, Eur J Radiol 1989; **9:** 71

Bile ducts, stone extraction

biliary duct stones: update on 54 cases after percutaneous transhepatic removal, Stokes KR; Falchuk KR; Clouse ME, Radiology 1989; **170:** 999

choledochoscopic stone removal through a T-tube tract: experience in 75 consecutive patients, Bower BL; Picus D; Hicks ME; Darcy MD; Rollins ES; Kleinhoffer MA; Weyman PJ, JVIR 1990; **1:** 107

common bile duct and intrahepatic stones: results of transhepatic electrohydraulic lithotripsy in 50 patients, Bonnel DH; Liguory CE; Cornud FE; Lefebvre J-FP, Radiology 1991; **180:** 345

egg whisk stone removal basket, Cameron DC, Australas Radiol 1989; **33:** 105

endoscopy as an adjuvant to biliary radiologic intervention, Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr, Radiology 1991; **180:** 355

false-positive radionuclide hepatobiliary imaging following cystic duct stone removal, Zagoria RJ; Cowan RJ; Dyer RB; et al, Clin Nucl Med 1989; **14:** 153

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

percutaneous transhepatic Oddi-sphincter dilatation for bile duct stone removal, Graziani L; Fabrizzi G; Manfrini E; et al, AJR 1989; **152:** 73

relation of size and number of common duct calculi to success of sphincterotomy and stone extraction, Persson B, Gastrointest Radiol 1991; **16:** 212

role of percutaneous intracorporeal electrohydraulic lithotripsy in the treatment of biliary tract calculi: work in progress, Picus D; Weyman PJ; Marx MV, Radiology 1989; **170:** 989

technical note: two balloon technique for disimpaction of intrahepatic biliary stones, Redmond PL; Kumpe DA, Cardiovasc Intervent Radiol 1989; **12:** 45

transhepatic laser lithotripsy of choledocholithiasis: initial clinical experience, Sullivan KL; Bagley DH Jr; Gordon SJ; Soulen MC; Grasso M; Bonn J; Shapiro MJ, JVIR 1991; 2: 387

Bile ducts, surgery

benign biliary strictures: treatment with percutaneous cholangioplasty, Citron SJ; Martin LG, Radiology 1991; 178: 339

CT appearance of the Roux limb following choledochojejunostomy in liver transplantation, Greenler DP; Sumkin JH; Campbell WL, Gastrointest Radiol 1991; 16: 41

drainage of bile ducts with an articulated T tube, Cope C; Gensburg RS, JVIR 1990; 1: 113

extrahepatic bile duct angulation by T-tube: the elbow sign, Lee SH; Burhenne HJ, Gastrointest Radiol 1991; 16: 157

iatrogenic biliary tract complications: radiologic features and clinical significance, Ghahremani G; Crampton AR; Bernstein JR; Caprini JA, Radiographics 1991; 11: 441

occlusion of biliary endoprostheses: presentation and management, Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF, Radiology 1990; 176: 531

simplified T-tube replacement with two-piece retrievable catheters, Scotti DM, JVIR 1991; 2: 393

ultrasound of the common bile duct in patients undergoing cholecystectomy, Stott MA; Farrands PA; Guyer PB; et al, JCU 1991; 19: 73

Bile ducts, therapeutic radiology

combined modality therapy of extrahepatic biliary system cancer, Minsky BD; Wesson MF; Armstrong JG; et al, Int J Radiat Oncol Biol Phys 1990; 18: 1157

intraductal radiation, Nunnerley HB; Karani JB, Radiol Clin North Am 1990; 28: 1237

role of radiotherapy in the treatment of bile duct carcinoma, Veeze-Kuijpers B; Meerwaldt JH; Laméris JS; et al, Int J Radiat Oncol Biol Phys 1990; 18: 63

Bile ducts, US

ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA, Radiology 1990; 175: 455

anatomic relationship of intrahepatic bile ducts to portal veins, Lim JH; Ryu KN; Ko YT; et al, J Ultrasound Med 1990; 9: 137

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; 176: 15

biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Korobkin M; Stephens DH; Lee JKT; et al, AJR 1989; 153: 507

biliary malignancies occurring in choledochal cysts, Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A, Radiology 1989; 173: 389

biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Huntington DK; Hill MC; Steinberg W, Radiology 1989; 172: 47

Caroli disease: central dot sign in CT, Choi BI; Yeon KM; Kim SH; Han MC, Radiology 1990; 174: 161

Caroli's disease in two sisters: diagnosis by ultrasonography and computed tomography, Höglund M; Muren C; Schmidt D, Acta Radiol 1989; 30: 459

clonorchiasis: sonographic findings in 59 proved cases, Lim JH; Ko YT; Lee DH; et al, AJR 1989; 152: 761

congenital biliary dilatation: a spectrum of disease detailed by ultrasound, Young W; Blane C; White SJ; et al, Br J Radiol 1990; 63: 333

cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; 180: 51

endoscopic ultrasonography in the diagnosis of depth invasion and lymph node metastasis of carcinoma of the papilla of Vater, Mitake M; Nakazawa S; Tsukamoto Y; et al, J Ultrasound Med 1990; 9: 645

gallstones in bili-digestive shunts diagnosed by ultrasound: an unusual cause of obstruction, Hederström E; Andrén-Sandberg A; Forsberg L, Acta Radiol 1989; 30: 549

hepatobiliary fascioliasis: noninvasive imaging findings, Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G, Radiology 1990; 174: 809

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; 172: 689

intrahepatic arterial calcification mimicking pneumobilia: a potential pitfall in the ultrasound evaluation of biliary tract disease, Desai RK; Paushter DM; Armistead J, J Ultrasound Med 1989; 8: 333

laparoscopic cholecystectomy: evaluation with sonography, Kang EH; Middleton WD; Balfe DM; Soper NJ, Radiology 1991; 181: 439

mucocele of the cystic duct remnant in eight liver transplant recipients: findings at cholangiography, CT, and US, Zajko AB; Bennett MJ; Campbell WL; Koneru B, Radiology 1990; 177: 691

multiple gastrointestinal atresias: sonography of associated biliary abnormalities, McHugh K; Daneman A, Pediatr Radiol 1991; 21: 355

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; 176: 25

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; 10: 285

preoperative ultrasound assessment of choledochal cysts: report of three cases, Jones SN; Lees WR; Russell RCG, Acta Radiol 1989; 30: 35

sonogram of multiple bile duct hamartomas, Tan A; Shen J-F; Hecht AH, JCU 1989; 17: 667

sonographic patterns of Caroli's disease: report of 5 new cases, Tomà P; Lucigrai G; Pelizza A, JCU 1991; 19: 155

sonography accurately detects biliary obstruction in patients with surgically created biliary-enteric anastomosis, Wilson SR; Toi A, AJR 1990; 155: 789

sonography of the distal cystic duct, Parulekar SG, J Ultrasound Med 1989; 8: 367

spontaneous perforation of the common bile duct in children, Haller JO; Condon VR; Berdon WE; Oh KS; Price AP; Bowen A; Cohen HL, Radiology 1989; 172: 621

spontaneous perforation of the common bile duct in children, Balsam D; Wasserstein GJ, Radiology 1990; 174: 578

type 1 choledochal cysts: preoperative evaluation by ultrasound, Samad SA; Goon HK, Australas Radiol 1989; 33: 160

ultrasound of the common bile duct in patients undergoing cholecystectomy, Stott MA; Farrands PA; Guyer PB; et al, JCU 1991; 19: 73

use of color Doppler sonography to distinguish dilated intrahepatic ducts from vascular structures, Ralls PW; Mayekawa DS; Lee KP; et al, AJR 1989; 152: 291

Biliary ducts

See Bile ducts

Biliary tract

See Bile ducts

Binswanger disease

See Brain, white matter

Biomagnetism

biomagnetic localization of ventricular arrhythmias, Moshage W; Achenbach S; Göhl K; Weikl A; Bachmann K; Wegener P; Schneider S; Härer W, Radiology 1991; 180: 685

multichannel biomagnetic system for study of electrical activity in the brain and heart, Schneider S; Hoenig E; Reichenberger H; Abraham-Fuchs K; Moshage W; Oppelt A; Stefan H; Weikl A; Wirth A, Radiology 1990; 176: 825

Biopsies

See also under names of specific organs, such as Liver, biopsy

application of fine needle aspiration biopsy to pediatrics, (ab), Wakely PE Jr; Kardos TF; Frable WJ, Radiology 1989; 172: 295

cytological vs histological evaluation of percutaneous biopsies, Böcking A, Cardiovasc Intervent Radiol 1991; 14: 5

tumor markers in human biopsy material, Lehto V-P; Pontén J, Acta Oncol 1989; 28: 743

Biopsies, complications

21-year experience with major hemorrhage after percutaneous liver biopsy, (ab), McGill DB; Rakela J; Zinsmeister AR; et al, JVIR 1991; 2: 298

21-year experience with major hemorrhage after percutaneous liver biopsy, (ab), McGill DB; Rakela J; Zinsmeister AR; et al, Radiology 1991; 179: 883

case report: cutaneous seeding following fine needle biopsy of colonic liver metastases, McGrath FP; Gibney RG; Rowley VA; et al, Clin Radiol 1991; 43: 130

complications after CT-guided needle biopsy through aerated versus nonaerated lung, Haramati LB; Austin JHM, Radiology 1991; 181: 778

complications of percutaneous abdominal fine-needle biopsy: review, Smith EH, Radiology 1991; 178: 253

effect of patient positioning after needle aspiration lung biopsy, Moore EH; LeBlanc J; Montesi SA; Richardson ML; Shepard JO; McLoud TC, Radiology 1991; 181: 385

embolic control of lumbar artery hemorrhage complicating percutaneous renal biopsy with a 3-F coaxial catheter system: case report, Kim KT; Kim BS; Park YH; et al, Cardiovasc Intervent Radiol 1991; 14: 175

evaluation of arteriovenous fistulas and pseudoaneurysms in renal allografts following percutaneous needle biopsy: color-coded Doppler sonography versus duplex Doppler sonography, Hübsch PJS; Mostbeck G; Barton PP; et al, J Ultrasound Med 1990; 9: 95

fatal carcinoid crisis after percutaneous fine-needle biopsy of hepatic metastasis: case report and literature review, Bissonnette RT; Gibney RG; Berry BR; Buckley AR, Radiology 1990; 174: 751

gallbladder perforation during liver biopsy diagnosed using hepatobiliary scintigraphy: a case report, Dennison KG; Khoury D; Heironimus JD, Clin Nucl Med 1990; 15: 95

hemostatic protein-polymer sheath: new method to enhance hemostasis at percutaneous biopsy, Gazelle GS; Haaga JR; Neuhauser D, Radiology 1990; 175: 671

major complications and deaths due to interventional ultrasonography: a review of 8000 cases, Nolsøe CP; Nielsen L; Torp-Pedersen S; et al, JCU 1990; 18: 179

migration of localizing wires used in guided biopsy of the breast, Owen AWMC; Kumar EN, Clin Radiol 1991; 43: 251

one-piece unit for treatment of pneumothorax complicating needle biopsy: evaluation in 10 patients, Molina PL; Solomon SL; Glazer HS; et al, AJR 1990; 155: 31

percutaneous fine-needle aspiration biopsy of the pancreas resulting in death, Levin DP; Bret PM, Gastrointest Radiol 1991; 16: 67

pneumothorax following transbronchial biopsy: low diagnostic yield with routine chest roentgenograms, (ab), Frazier WD; Pope TL Jr; Findley LJ, Radiology 1990; 176: 887

positional precautions in needle aspiration lung biopsy, Moore EH; Shepard JO; McLoud TC; Templeton PA; Kosiuk JP, Radiology 1990; 175: 733

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; 171: 253

preventing pneumothorax after lung biopsy: the roll-over technique, Cassel DM; Birnberg FA, Radiology 1990; 174: 282

safe route for deep pelvic biopsy with distention of the iliacus muscle, Carlson P; Crummy AB; Wojtowycz M; McDermott JC, JVIR 1991; 2: 277

usefulness of the blood patch technique after transthoracic needle aspiration biopsy, Herman SJ; Weisbrod GL, Radiology 1990; **176:** 395

Biopsies, technology

application of fine needle aspiration biopsy to pediatrics, (ab), Wakely PE Jr; Kardos TF; Frable WJ, Radiology 1989; **172:** 295

automated biopsy devices: significance and safety, Bernardino ME, Radiology 1990; **176:** 615

automated, percutaneous biopsy device, Wholey MH; Machek JS; Rhinehart ER; Wholey MH, Radiology 1990; **174:** 567

biopsy gun, (ab), Lindgren PG, Radiology 1991; **181:** 296

biopsy needle characteristics, Gazelle GS; Haaga JR, Cardiovasc Intervent Radiol 1991; **14:** 13

biopsy of the pancreas with a biopsy gun, Elvin A; Andersson T; Scheibenpflug L; Lindgren PG, Radiology 1990; **176:** 677

coaxial needles for repeated biopsy sampling, Frederick PR; Miller MH; Bahr AL; Longson FW, Radiology 1989; **170:** 273

coaxial needle system of MR- and CT-guided aspiration cytology, Lufkin R; Layfield L, JCAT 1989; **13:** 1105

comparison of 22-gauge Chiba and screw-tipped needles for cytologic diagnosis of malignancy in in vitro tumor specimens, Mindell HJ; Korson R, Radiology 1990; **176:** 681

comprehensive approach to CT-guided procedures with a hand-held guidance device, Palestrant AM, Radiology 1990; **174:** 270

CT and sonographically guided needle biopsy: current techniques and new innovations, Charboneau JW; Reading CC; Welch TJ, AJR 1990; **154:** 1

CT-guided core biopsy using a new guidance device, Magnusson A; Åkerfeldt D, Acta Radiol 1991; **32:** 83

CT-guided percutaneous large-bore biopsies in benign and malignant pediatric lesions, Klose K-C; Mertens R; Alzen G; et al, Cardiovasc Intervent Radiol 1991; **14:** 78

CT-guided transthoracic needle biopsy, Gardner D; vanSonnenberg E; D'Agostino HB; et al, Cardiovasc Intervent Radiol 1991; **14:** 17

CT or US-guided fine needle aspiration biopsy in gastric neoplasms, Bree RL; McGough MF; Schwab RE, JCAT 1991; **15:** 565

cytologic and bacteriologic analysis of fluid and biopsy specimens with Cope's needle: study of 414 patients, (ab), Bueno CE; Clemente MG; Castro BC; et al, Radiology 1991; **178:** 291

device for CT-guided needle punctures: technical note, Reuther G, Cardiovasc Intervent Radiol 1991; **14:** 191

device for facilitating lesion localization in breast biopsies, Levinsohn EM, Radiology 1991; **181:** 603

effect of sampling technique on specimen size in fine needle aspiration biopsy, Kreula J, Invest Radiol 1990; **25:** 1294

effect of suction on specimen size in fine-needle aspiration biopsy, Kreula J; Virkkunen P; Bondestam S, Invest Radiol 1990; **25:** 1175

efficacy of automated biopsy guns versus conventional biopsy needles in the pygmy pig, Hopper KD; Baird DE; Reddy VV; Landis JR; Parker SH; Tyler HN Jr; Ownbey JL; McCauslin MA; Yakes WF; Sabatelli FW; Mott PL, Radiology 1990; **176:** 671

fine-needle aspiration biopsy with a new automatic fine-needle gun versus histological core in ultrasonically-guided transrectal biopsy for detection of prostate cancer, Norming U; Gustafsson O; Nyman CR; et al, Acta Oncol 1991; **30:** 155

Franzén transrectal fine-needle biopsy versus ultrasound-guided transrectal core biopsy of the prostate gland, Adolfsson J; Skoog L; Löwhagen T; et al, Acta Oncol 1991; **30:** 159

gantry tilt technique for CT-guided biopsy and drainage, Yueh N; Halvorsen RA Jr; Letourneau JG; et al, JCAT 1989; **13:** 182

guidance device for CT-guided procedures, Reyes GD, Radiology 1990; **176:** 863

guided percutaneous biopsy of intraabdominal lesions, Gazelle GS; Haaga JR, AJR 1989; **153:** 929

hemostatic protein-polymer sheath: new method to enhance hemostasis at percutaneous biopsy, Gazelle GS; Haaga JR; Neuhauser D, Radiology 1990; **175:** 671

image-directed percutaneous biopsies with a biopsy gun, Parker SH; Hopper KD; Yakes WF; Gibson MD; Ownbey JL; Carter TE, Radiology 1989; **171:** 663

imaging-directed percutaneous biopsies with a biopsy gun, Burbank F, Radiology 1990; **176:** 286

imaging-directed percutaneous biopsies with a biopsy gun: reply, Parker SH; Hopper KD; Yakes WF; Ownbey JL; Carter TE; Gibson MD, Radiology 1990; **176:** 286

laser projection system for radiotherapy and CT-guided biopsy, Nagata Y; Nishidai T; Abe M; et al, JCAT 1990; **14:** 1046

liver transplant biopsies with a biopsy gun, Chezmar JL; Keith LL; Nelson RC; Plaire JC; Hertzler GL; Bernardino ME, Radiology 1991; **179:** 447

Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN, Radiology 1991; **179:** 579

method of euthanasia in animal study, Gregory SP; Waterman AE; Weaver BMQ, Radiology 1991; **179:** 288

method of euthanasia in animal study: reply, Hopper KD; Baird DE; Parker SH, Radiology 1991; **179:** 288

modified "tores" biopsy needle for use in C.T. guided mediastinal and paraspinal biopsy, Cameron DC, Australas Radiol 1989; **33:** 101

MR-directed needle biopsies, Duckwiler GR; Lufkin RB; Hanafee WN, Radiol Clin North Am 1989; **27:** 255

needle biopsy of renal allografts: comparison of two techniques, Bogan ML; Kopecky KK; Kraft JL; Holladay AO; Filo RS; Leapman SB; Thomalla JV, Radiology 1990; **174:** 273

needle holder for use with a biopsy gun, Chenoweth JL; Patel B, Radiology 1991; **181:** 285

needle tip echogenicity: a study with real time ultrasound, Bondestam S; Kreula J, Invest Radiol 1989; **24:** 555

new device for CT-targeted percutaneous punctures, Ozdoba C; Voigt K; Nüsslin F, Radiology 1991; **180:** 576

new method for investigating the sampling technique of fine needle aspiration biopsy, Kreula J, Invest Radiol 1990; **25:** 245

new motor-driven percutaneous bone biopsy system: technical note, Vorwerk D; Klose KC; Günther RW; et al, Cardiovasc Intervent Radiol 1989; **12:** 232

new universal precaution aspiration tray, Mueller PR; Silverman SG; Tung G; Brink JA; Cardenosa G; Saini S; Forman BH; Hahn PF, Radiology 1989; **173:** 278

nonpalpable breast lesions: findings of stereotaxic needle-core biopsy and fine-needle aspiration cytology, Dowlatshahi K; Yaremko ML; Kluskens LF; Jokich PM, Radiology 1991; **181:** 745

nonpalpable breast lesions: stereotactic automated large-core biopsies, Parker SH; Lovin JD; Jobe WE; Burke BJ; Hopper KD; Yakes WF, Radiology 1991; **180:** 403

pelvic masses: aspiration biopsy with transrectal US guidance, Savader BL; Hamper UM; Sheth S; Ballard RL; Sanders RC, Radiology 1990; **176:** 351

percutaneous biopsies of the thoracic spine under CT guidance: transcostovertebral approach, Brugieres P; Gaston A; Heran F; et al, JCAT 1990; **14:** 446

percutaneous biopsy of thoracic lesions in children, Hoffer FA; Kozakewich H; Shamberger RC, Cardiovasc Intervent Radiol 1990; **13:** 32

percutaneous intravascular biopsy using a Simpson atherectomy catheter: technical note, Castaneda F; Moradian GP; Hunter DW; et al, Cardiovasc Intervent Radiol 1989; **12:** 342

percutaneous pediatric renal biopsy: use of the biopsy gun, Poster RB; Jones DB; Spirt BA, Radiology 1990; **176:** 725

powered cutting needle biopsy of the pleura and chest wall, Gleeson F; Lomas DJ; Flower CDR; et al, Clin Radiol 1990; **41:** 199

preliminary experience with the Berger neurobiopsy device for ultrasound guided aspiration and biopsy of intracranial lesions, Borgstein RL; Moxon RA; Hately W; et al, Clin Radiol 1991; **44:** 98

pump maneuver: an atraumatic adjunct to enhance US needle tip localization, Bisceglia M; Matalon TAS; Silver B, Radiology 1990; **176:** 867

safe route for deep pelvic biopsy with distention of the iliacus muscle, Carlson P; Crummy AB; Wojtowycz M; McDermott JC, JVIR 1991; **2:** 277

simple phantom for learning needle placement for sonographically guided biopsy, Metzger TS; Silver B; Matalon TAS, AJR 1990; **154:** 847

simple phantom for training in ultrasound-guided needle biopsy using the freehand technique, Fornage BD, J Ultrasound Med 1989; **8:** 701

sonographic appearance and ultrasound-guided fine-needle aspiration biopsy of breast carcinomas smaller than 1 cm^3, Fornage BD; Sneige N; Faroux MJ; et al, J Ultrasound Med 1990; **9:** 559

sonographic detection and fine-needle aspiration biopsy of nonpalpable recurrent or metastatic melanoma in subcutaneous tissues, Fornage BD; Lorigan JG, J Ultrasound Med 1989; **8:** 421

stereotactic breast biopsy with a biopsy gun, Parker SH; Lovin JD; Jobe WE; Luethke JM; Hopper KD; Yakes WF; Burke BJ, Radiology 1990; **176:** 741

stereotactic breast biopsy with a biopsy gun, Jaeger HJ; Kruegener GH; MacFie J; Glaves I, Radiology 1991; **179:** 586

stereotaxic needle-core biopsy and fine-needle aspiration cytologic evaluation of nonpalpable breast lesions, Jackson VP; Reynolds HE, Radiology 1991; **181:** 633

synovial membrane: percutaneous biopsy, Beaulé V; Laredo J-D; Cywiner C; Bard M; Tubiana J-M, Radiology 1990; **177:** 581

technical note: adaptation of the Bard prostate biopsy gun for CT-guided abdominal biopsies, Parker SH; Yakes WF; Hopper KD; et al, Cardiovasc Intervent Radiol 1989; **12:** 50

technical note: percutaneous fine needle aspiration biopsy using a modified coaxial technique, Bankoff MS; Belkin BA, Cardiovasc Intervent Radiol 1989; **12:** 43

technique for embolization of biopsy tracts, Crummy AB; McDermott JC; Wojtowycz M, AJR 1989; **153:** 67

transrectal ultrasound guided needle biopsy of recurrent vaginal mass in a 23 month old girl, Mandell MJ; Thieme GA; Eggli KD; et al, Pediatr Radiol 1989; **20:** 120

transvenous liver biopsy in critically ill patients: adequacy of tissue samples, Lipchik EO; Cohen EB; Mewissen MW, Radiology 1991; **181:** 497

Tru-Cut biopsy of mediastinal masses guided by real-time sonography, Sawhney S; Jain R; Berry M, Clin Radiol 1991; **44:** 16

ultrasound guided fine needle biopsy of the liver for cytology and histology, Lin BPC; Chu JMG; Rose RA, Australas Radiol 1991; **35:** 33

ultrasound-guided, histological, fine-needle biopsy from suspect parathyroid tumours: success-rate and reliability of histological diagnosis, Karstrup S; Glenthøj A; Hainau B; et al, Br J Radiol 1989; **62:** 981

ultrasound guided percutaneous renal biopsy, Arenson AM, Australas Radiol 1991; **35:** 38

ultrasound-guided transvaginal biopsy of malignant cystic pelvic mass, Fornage BD; O'Keeffe F, J Ultrasound Med 1990; **9:** 53

usefulness of the blood patch technique after transthoracic needle aspiration biopsy, Herman SJ; Weisbrod GL, Radiology 1990; **176:** 395

use of an acoustic transponder for US visualization of biopsy needles, Winsberg F; Mitty HA; Shapiro RS; Yeh H-C, Radiology 1991; 180: 877
US guidance of interventional procedures, Matalon TAS; Silver B, Radiology 1990; 174: 43
US guidance of interventional procedures, Yeung EY; Thurston W; Quigley MJ; Ho C-S, Radiology 1990; 176: 289
US guidance of interventional procedures: reply, Silver B; Matalon TAS, Radiology 1990; 176: 290
US-guided fine-needle aspiration biopsy of gallbladder masses, Zargar SA; Khuroo MS; Mahajan R; Jan GM; Shah P, Radiology 1991; 179: 275

Bladder
role of the radiologist in evaluating voiding dysfunction, Amis ES Jr; Blaivas JG, Radiology 1990; 175: 317
urachal remnants: sonographic demonstration in children, Cacciarelli AA; Kass EJ; Yang SS, Radiology 1990; 174: 473
urodynamics: the appropriate modality for the investigation of frequency, urgency, incontinence, and voiding difficulties, Saxton HM, Radiology 1990; 175: 307

Bladder, abnormalities
cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; 177: 441
cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; 177: 326
descent of the bladder neck: a urographic finding in denervation of the urethral sphincter in children with myelodysplasia, Zerin JM; Lebowitz RL; Bauer SB, Radiology 1990; 174: 833
interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; 178: 888
interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; 178: 889
neurogenic bladder simplified, Amis ES Jr; Blaivas JG, Radiol Clin North Am 1991; 29: 571
pelvic bone imaging in bladder exstrophy, Lette J; Prénovault J; Eybalin M-C; et al, Clin Nucl Med 1990; 15: 200
prenatal sonographic findings in bladder exstrophy, Barth RA; Filly RA; Sondheimer FK, J Ultrasound Med 1990; 9: 359
radiographic manifestations of congenital anomalies of the lower urinary tract, Herman TE; McAlister WH, Radiol Clin North Am 1991; 29: 365
role of the radiologist in evaluating voiding dysfunction, Amis ES Jr; Blaivas JG, Radiology 1990; 175: 317
ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; 175: 349
urethral morphology and bladder instability, Hausegger KA; Fotter R; Sorantin E; et al, Pediatr Radiol 1991; 21: 278
urodynamics in the investigation of women with frequency, urgency, and incontinence, and voiding difficulties, Saxton HM, Urol Radiol 1991; 13: 48
urodynamics: the appropriate modality for the investigation of frequency, urgency, incontinence, and voiding difficulties, Saxton HM, Radiology 1990; 175: 307
vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; 175: 355

Bladder, calculi
stone formation in substitution cystoplasty, Vardi Y; Moskovitz B; Levin DR; et al, Urol Radiol 1991; 12: 194

Bladder, CT
absorbed dose resulting from a specially designed computed tomography technique for examination of the urinary bladder, Sager EM; Skretting A; Lindsköld L, Acta Radiol 1989; 30: 57
bladder involvement in Crohn disease: role of CT in detection and evaluation, Merine DS; Fishman EK; Kuhlman JE; et al, JCAT 1989; 13: 90
comparison of computed tomography and conventional cystography for detection of traumatic bladder rupture, Horstman WG; McClennan BL; Heiken JP, Urol Radiol 1991; 12: 188
CT cystography in the evaluation of bladder trauma, Lis LE; Cohen AJ, JCAT 1990; 14: 386
CT of infected bladder diverticulum, Patel U; Furie DM; Lee WJ, JCAT 1991; 15: 498
value of CT in the detection of bladder and posterior urethral injuries, Kane NM; Francis IR; Ellis JH, AJR 1989; 153: 1243

Bladder, diseases
bladder involvement in Crohn disease: role of CT in detection and evaluation, Merine DS; Fishman EK; Kuhlman JE; et al, JCAT 1989; 13: 90
bladder neurofibromatosis in childhood: noninvasive imaging, Shapeero LG; Vordermark JS, J Ultrasound Med 1990; 9: 177
condylomata acuminata of the bladder: a rare cause of intralumiunal-filling defects, Murphy WD; Rovner AJ; Nazinitsky KJ, Urol Radiol 1990; 12: 34

Bladder, diverticula
CT of infected bladder diverticulum, Patel U; Furie DM; Lee WJ, JCAT 1991; 15: 498

Bladder, inflammation
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Bladder, injuries
bladder perforation by an intrauterine device, Schoenfeld A; Pardo J; Engelstein D; et al, JCU 1991; 19: 175
bladder puncture from Fletcher-Suit tandem applicator: diagnosis by pelvic ultrasound, Rossmann MD; Koprowski C; Lewis G; et al, J Ultrasound Med 1989; 8: 403
CT cystography in the evaluation of bladder trauma, Lis LE; Cohen AJ, JCAT 1990; 14: 386
value of CT in the detection of bladder and posterior urethral injuries, Kane NM; Francis IR; Ellis JH, AJR 1989; 153: 1243

Bladder, interventional procedure
percutaneous, large-bore, suprapubic cystostomy: technique and results, Papanicolaou N; Pfister RC; Nocks BN, AJR 1989; 152: 303

Bladder, MR
bladder pheochromocytoma with MR correlation, Warshawsky R; Bow SN; Waldbaum RS; et al, JCAT 1989; 13: 714
^{31}P NMR study of insulin effects on the isolated perfused rabbit urinary bladder, Fisher MJ; Dillon PF, Magn Res Med 1989; 9: 53
pseudolayering of Gd-DTPA in the urinary bladder, Elster AD; Sobol WT; Hinson WH, Radiology 1990; 174: 379

Bladder, neoplasms
See Bladder neoplasms

Bladder, radiography
allergic reaction following micturating cystourethrography, Bettenay F; de Campo J, Urol Radiol 1989; 11: 167
catheter malposition during cystography: a cause of diagnostic errors, Zerin JM; Lebowitz RL, AJR 1989; 153: 363
comparison of computed tomography and conventional cystography for detection of traumatic bladder rupture, Horstman WG; McClennan BL; Heiken JP, Urol Radiol 1991; 12: 188
cough urethrocystography: the best radiological evaluation of female stress urinary incontinence?, Varpula M; Mäkinen J; Kiilholma P, Eur J Radiol 1989; 9: 191
indirect radionuclide cystography demonstrates reflux under physiological conditions, Peters AM; Morony S; Gordon I, Clin Radiol 1990; 41: 44
low-grade vesicoureteral reflux: variability in grade on sequential radiographic and nuclear cystograms, Gelfand MJ; Strife JL; Hertzberg VS, Clin Nucl Med 1991; 16: 243
reliability of voiding cystourethrography to detect reflux, Jequier S; Jequier J-C, AJR 1989; 153: 807
transrectal sonographic cystourethrography: studies in stress urinary incontinence, (ab), Chang H-C; Chang S-C; Kuo H-C; et al, Radiology 1991; 179: 885
voiding cystourethrography as a predictor of reflux nephropathy in children with urinary-tract infection, Hellström M; Jacobsson B; Mårild S; et al, AJR 1989; 152: 801

Bladder, radionuclide studies
absorption of Tc-99m pertechnetate from the augmented bladder during direct nuclear cystography, Lowe B; Barnes WF; Leonard JC, Clin Nucl Med 1989; 14: 347
"diuretic" Tc-99m HMPAO leukocyte scan: eliminating the pitfall of urinary stasis, Beck ME; Lepp EK; Wilkinson AA, Clin Nucl Med 1991; 16: 378
evaluation of techniques for the elimination of "hot" bladder artifacts in SPECT of the pelvis, O'Connor MK; Kelly BJ, J Nucl Med 1990; 31: 1872
indirect radionuclide cystography demonstrates reflux under physiological conditions, Peters AM; Morony S; Gordon I, Clin Radiol 1990; 41: 44
low-grade vesicoureteral reflux: variability in grade on sequential radiographic and nuclear cystograms, Gelfand MJ; Strife JL; Hertzberg VS, Clin Nucl Med 1991; 16: 243
misleading appearances of the bladder on pediatric genitourinary imaging, Orzel JA; Weinberger E, Clin Nucl Med 1990; 14: 671
radiation dose to the bladder wall from 2-[^{18}F] fluoro-2-deoxy-D-glucose in adult humans, Dowd MT; Chen C-T; Wendel MJ; et al, J Nucl Med 1991; 32: 707

Bladder, rupture
comparison of computed tomography and conventional cystography for detection of traumatic bladder rupture, Horstman WG; McClennan BL; Heiken JP, Urol Radiol 1991; 12: 188
CT cystography in the evaluation of bladder trauma, Lis LE; Cohen AJ, JCAT 1990; 14: 386
spontaneous extraperitoneal rupture of the urinary bladder in children, Zerin JM; Lebowitz RL, Radiology 1989; 170: 487
substance abuse-related spontaneous bladder rupture: report of two cases and review of the literature, (ab), Marshall GA; Dixon CM; McAninch JW, Radiology 1991; 180: 293

Bladder, surgery
migrating suture masquerading as a renal pelvic carcinoma: an unusual complication of the Kock pouch, Klotz LH; Egerdie RB; Herschorn S, Urol Radiol 1989; 11: 100
pelvic recurrence after radical cystectomy without preoperative radiation, (ab), Wishnow KI; Dmochowski R, Radiology 1989; 170: 584
radiologic evaluation of continent urinary reservoirs, Kenney PJ; Hamrick KM; Samuels LJ; Han SY; Bueschen AJ, Radiographics 1990; 10: 455

Bladder, US
accuracy of ultrasonic assessment of residual urine in children, Erasmie U; Lidefelt K-J, Pediatr Radiol 1989; 19: 388
accuracy of ultrasonic bladder volume measurement in children, Bis KG; Slovis TL, Pediatr Radiol 1990; 20: 457
assessment of female urinary incontinence by introital sonography, Koelbl H; Bernaschek G; Deutinger J, JCU 1990; 18: 370
interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; 178: 888
interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; 178: 889
sonography of *Candida albicans* cystitis, Gooding GAW, J Ultrasound Med 1989; 8: 121
spontaneous extraperitoneal rupture of the urinary bladder in children, Zerin JM; Lebowitz RL, Radiology 1989; 170: 487
ultrasound cystodynamogram—a new radiological technique, Boothroyd AE; Dixon PJ; Christmas TJ; et al, Br J Radiol 1990; 63: 331
ultrasound cystography: a valuable technique, Coulden RA; Hanbury DC; Farman P, Br J Radiol 1990; 63: 889
urachal remnants: sonographic demonstration in children, Cacciarelli AA; Kass EJ; Yang SS, Radiology 1990; 174: 473
ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; 175: 349

vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; **175:** 355

Bladder neoplasms

bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature, Mulkens TH; Vereycken HA; Van Nueten JC; et al, Urol Radiol 1990; **12:** 154

body MR imaging and the local staging of neoplasms, Aisen AM, Radiology 1990; **176:** 617

cavitary pulmonary metastases in transitional cell carcinoma of urinary bladder, Alexander PW; Sanders C; Nath H, AJR 1990; **154:** 493

clinical pathologic conference: young male with irritative voiding symptoms and 30-lb weight loss, Landes AB; Marcus MD; Bowles WT, Urol Radiol 1991; **13:** 133

Copenhagen case-control study of bladder cancer. V. review of the role of urinary-tract infection, Kjaer SK; Knudsen JB; Sørensen BL; et al, Acta Oncol 1989; **28:** 631

diagnosis, staging, and follow-up of carcinomas of the kidney, bladder, and prostate: the role of cross-sectional imaging, Singer J; McClennan BL, Semin US CT MR 1989; **10:** 481

general case of the day, Cáceres J; Mata JM; Lucaya J; Palmer J; Donoso L, Radiographics 1991; **11:** 161

inflammatory pseudosarcoma (pseudotumor) of the bladder, Gugliada K; Nardi PM; Borenstein MS; Torno RB, Radiology 1991; **179:** 66

internal iliac artery: embolization to control hemorrhage from pelvic neoplasms, Pisco JM; Martins JM; Correia MG, Radiology 1989; **172:** 337

malignancies in bladder augmentations and intestinal conduits, (ab), Filmer RB; Spencer JR, Radiology 1991; **178:** 292

nephrogenic adenoma of the bladder: urographic spectrum, Zimmermann K; Amis ES Jr; Newhouse JH, Urol Radiol 1989; **11:** 123

pelvic recurrence after radical cystectomy without preoperative radiation, (ab), Wishnow KI; Dmochowski R, Radiology 1989; **170:** 584

primary lymphoma of the urinary bladder, Clarke NW; Maxwell AJ, Br J Radiol 1991; **64:** 761

squamous cell carcinoma of the uroepithelium: CT evaluation, Narumi Y; Sato T; Hori S; Kuriyama K; Fujita M; Kadowaki K; Inoue E; Maeshima S; Fujino Y; Saiki S; Kuroda M; Kotake T, Radiology 1989; **173:** 853

transitional cell carcinoma of the bladder in children: radiologic appearance and differential diagnosis, Quillin SP; McAlister WH, Urol Radiol 1991; **13:** 107

transitional cell carcinoma of the upper urinary tract, Zuckier LS; Kirschenbaum ER, Radiology 1989; **170:** 282

transitional cell carcinoma of the upper urinary tract: reply, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, Radiology 1989; **170:** 283

urethral fistula and history of bladder neoplasms, Kavoussi LR; Yuan J; Andriole GL, Urol Radiol 1989; **11:** 194

urinary bladder neoplasms: evaluation with contrast-enhanced MR imaging, Neuerburg JM; Bohndorf K; Sohn M; Teufl F; Günther RW; Daus HJ, Radiology 1989; **172:** 739

Bladder neoplasms, CT

adenocarcinoma of the urachus: CT features, Lee SH; Kitchens HH; Kim BS, JCAT 1990; **14:** 232

bladder cancer: staging with CT and MR imaging, Husband JES; Olliff JFC; Williams MP; Heron CW; Cherryman GR, Radiology 1989; **173:** 435

computed tomography in botryoid rhabdomyosarcoma of urinary bladder, Buxi TBS; Shubhra; Dutta T; et al, Comput Med Imag Graph 1990; **14:** 197

diagnosis of urachal carcinoma by computed tomography and magnetic resonance imaging, Krysiewicz S, Clin Imag 1990; **14:** 251

features of irradiated urinary bladder tumors and their correlation with malignancy observed on computed tomography, Sager EM; Kaalhus O, Acta Radiol 1991; **32:** 57

inflammatory pseudosarcoma (pseudotumor) of the bladder, Gugliada K; Nardi PM; Borenstein MS; Torno RB, Radiology 1991; **179:** 66

squamous cell carcinoma of the uroepithelium: CT evaluation, Narumi Y; Sato T; Hori S; Kuriyama K; Fujita M; Kadowaki K; Inoue E; Maeshima S; Fujino Y; Saiki S; Kuroda M; Kotake T, Radiology 1989; **173:** 853

Bladder neoplasms, in infants and children

general case of the day, Cáceres J; Mata JM; Lucaya J; Palmer J; Donoso L, Radiographics 1991; **11:** 161

Bladder neoplasms, MR

accuracy in staging carcinoma of the bladder by magnetic resonance imaging, Johnson RJ; Carrington BM; Jenkins JPR; et al, Clin Radiol 1990; **41:** 258

bladder cancer: staging with CT and MR imaging, Husband JES; Olliff JFC; Williams MP; Heron CW; Cherryman GR, Radiology 1989; **173:** 435

diagnosis of urachal carcinoma by computed tomography and magnetic resonance imaging, Krysiewicz S, Clin Imag 1990; **14:** 251

efficacy of gadolinium-diethylenetriaminepentaacetic acid-enhanced magnetic resonance imaging for differentiation between superficial and muscle-invasive tumor of the bladder: a comparative study with computerized tomography and transurethral ultrasonography, (ab), Tachibana M; Baba S; Deguchi N; et al, Radiology 1991; **181:** 910

MR imaging of bladder neoplasms: correlation with pathologic staging, Tavares NJ; Demas BE; Hricak H, Urol Radiol 1990; **12:** 27

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

role of magnetic resonance imaging in the staging of bladder carcinoma, (ab), Wood DP Jr; Lorig R; Pontes JE; et al, Radiology 1989; **171:** 882

urinary bladder neoplasms: evaluation with contrast-enhanced MR imaging, Neuerburg JM; Bohndorf K; Sohn M; Teufl F; Günther RW; Daus HJ, Radiology 1989; **172:** 739

Bladder neoplasms, radionuclide studies

uptake of 2-deoxy, 2-(18F) fluoro-D-glucose in bladder cancer: animal localization and initial patient positron emission tomography, (ab), Harney JV; Wahl RL; Liebert M; et al, Radiology 1991; **180:** 588

Bladder neoplasms, staging

accuracy in staging carcinoma of the bladder by magnetic resonance imaging, Johnson RJ; Carrington BM; Jenkins JPR; et al, Clin Radiol 1990; **41:** 258

bladder cancer: staging with CT and MR imaging, Husband JES; Olliff JFC; Williams MP; Heron CW; Cherryman GR, Radiology 1989; **173:** 435

features of irradiated urinary bladder tumors and their correlation with malignancy observed on computed tomography, Sager EM; Kaalhus O, Acta Radiol 1991; **32:** 57

pelvic cancers: staging of 139 cases with lymphography and fine-needle aspiration biopsy, Chagnon S; Cochand-Priollet B; Gzaeil M; Jacquenod P; Roger B; Boccon-Gibod L; Blery M, Radiology 1989; **173:** 103

Bladder neoplasms, therapeutic radiology

carcinoma of the urinary bladder category $T_{2,3}N_xM_0$ treated by 40 Gy external irradiation followed by cesium^{137} implant at reduced dose (50%), van der Werf-Messing BHP; van Putten WLJ, Int J Radiat Oncol Biol Phys 1989; **16:** 369

contemporary cystectomy versus preoperative radiation plus cystectomy for bladder cancer, (ab), Kaplan SA; Sawczuk IS; O'Toole K; et al, Radiology 1989; **172:** 586

curative radiotherapy following chemotherapy for invasive bladder carcinoma (a preliminary report), Farah R; Chodak GW; Vogelzang NJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 413

effect of radiation and cytotoxic platinum compounds on the growth of normal and tumour bladder explant cultures, Mothersill C; Seymour CB; Cusack A; et al, Acta Oncol 1990; **29:** 179

external beam radiation treatment of urinary bladder carcinoma: an analysis of results in 203 patients, Salminen E, Acta Oncol 1990; **29:** 909

long-term recovery and reirradiation tolerance of mouse bladder, Stewart FA; Oussoren Y; Luts A, Int J Radiat Oncol Biol Phys 1990; **18:** 1399

radiation therapy for transitional cell bladder carcinoma: a ten-year experience, (ab), Chougule P; Aygun C; Salazar O; et al, Radiology 1989; **171:** 292

radiotherapy with and without cisplatin in bladder cancer, Sauer R; Dunst J; Altendorf-Hofmann A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 687

results of cystectomy with and without preoperative radiotherapy in carcinoma of the urinary bladder, Nurmi MJ; Valavaara RA; Puntala PV; et al, Acta Oncol 1990; **29:** 39

T2/T3 bladder carcinomas treated with definitive radiotherapy with emphasis on flow cytometric DNA ploidy values, Jacobsen A-B; Lunde S; Ous S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 923

treatment of advanced transitional cell carcinoma of the bladder with irradiation and concomitant 5-fluorouracil infusion, Rotman M; Aziz H; Porrazzo M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1131

Bladder neoplasms, therapy

adjuvant bestatin (Ubenimex) treatment following full-dose local irradiation for bladder carcinoma, Blomgren H; Esposti P-L; Näslund I; et al, Acta Oncol 1990; **29:** 809

chemotherapy in invasive carcinoma of the bladder: a review of phase II trials in Egypt, Gad-El-Mawla N; Hamza MR; Zikri ZK; et al, Acta Oncol 1989; **28:** 73

combined 5-fluorouracil and irradiation for transitional cell carcinoma of the urinary bladder, Russell KJ; Boileau MA; Higano C; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 693

contemporary cystectomy versus preoperative radiation plus cystectomy for bladder cancer, (ab), Kaplan SA; Sawczuk IS; O'Toole K; et al, Radiology 1989; **172:** 586

controlled trial of misonidazole in the curative treatment of infiltrating bladder cancer, Bydder PV; Burry AF; Gowland S; et al, Australas Radiol 1989; **33:** 8

curative radiotherapy following chemotherapy for invasive bladder carcinoma (a preliminary report), Farah R; Chodak GW; Vogelzang NJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 413

effect of radiation and cytotoxic platinum compounds on the growth of normal and tumour bladder explant cultures, Mothersill C; Seymour CB; Cusack A; et al, Acta Oncol 1990; **29:** 179

keynote address: a critical assessment of trials of neoadjuvant (preemptive) chemotherapy for bladder cancer: lesson for future studies of combined modality treatment, Raghavan D, Int J Radiat Oncol Biol Phys 1991; **20:** 233

pharmacokinetics of etanidazole (SR-2508) in bladder and cervical cancer: evidence of diffusion from urine, Awwad HK; El Badawy S; El Baki HA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1083

results of cystectomy with and without preoperative radiotherapy in carcinoma of the urinary bladder, Nurmi MJ; Valavaara RA; Puntala PV; et al, Acta Oncol 1990; **29:** 39

treatment of advanced transitional cell carcinoma of the bladder with irradiation and concomitant 5-fluorouracil infusion, Rotman M; Aziz H; Porrazzo M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1131

Bladder neoplasms, US

phaechromocytoma of the bladder: ultrasound appearance, Puvaneswary M; Davoren P, JCU 1991; **19:** 111

Blastoma

computed tomographic features of esthesioneuroblastoma, Hurst RW; Erickson S; Cail WS; et al, Neuroradiol 1989; **31:** 253

hepatoblastoma: detection of tumor vascularity with duplex Doppler US, Bates SM; Keller MS; Ramos IM; Carter D; Taylor KJW, Radiology 1990; **176:** 505

liver transplantation for hepatoblastoma in a child with congenital absence of the portal vein, Barton JW III; Keller MS, Pediatr Radiol 1989; **20:** 113

pleuropulmonary blastoma: the so-called pulmonary blastoma of childhood, (ab), Manivel JC; Priest JR; Watterson J; et al, Radiology 1989; **171:** 591

pulmonary blastoma: a rare childhood malignancy, Senac MO Jr; Wood BP; Isaacs H; Weller M, Radiology 1991; **179:** 743

pulmonary blastomas, (ab), Koss MN; Hochholzer L; O'Leary T, Radiology 1991; **181:** 292

Tc-99m MDP uptake in hepatoblastoma, Elgazzar AH; Jahan S; Motawei S; et al, Clin Nucl Med 1989; **14:** 143

Bleomycin

administered dose and tumor dose of bleomycin labeled with cobalt-57 in mice and men, Front D; Israel O; Iosilevsky G; et al, J Nucl Med 1990; **31:** 1784

combination of radiation therapy and intracranial bleomycin in the 9L rat brain tumor model, Kimler BF; Martin DF; Evans RG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1115

combined bleomycin and radiation treatment of penile carcinoma, Maiche AG, Acta Oncol 1989; **28:** 548

computed tomography of pulmonary bleomycin toxicity, Mills P; Husband J, Semin US CT MR 1990; **11:** 417

effect of vincristine or bleomycin on radiation-induced cell killing of mice spermatogonial stem cells: the importance of sequence and time interval, Hansen PV; Sørensen D, Int J Radiat Oncol Biol Phys 1991; **20:** 339

interaction of bleomycin and hyperthermia—results of a clinical pilot study, Pilepich MV; Jones KG; Emami BN; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 211

sustained complete remission of stage IVb carcinoma of the cervix with *cis*-platinum, methotrexate and bleomycin chemotherapy, Burnet NG; Blake PR, Br J Radiol 1989; **62:** 856

Blood

See also Anemia; Leukemia

life of an artificial device in contact with blood: initial events and their effect on its final state, (ab), Vroman L, Radiology 1989; **170:** 291

Blood, coagulation

acute hematomas: effects of deoxygenation, hematocrit, and fibrin-clot formation and retraction on T2 shortening, Clark RA; Watanabe AT; Bradley WG Jr; Roberts JD, Radiology 1990; **175:** 201

anticoagulant effects of nonionic versus ionic contrast media in angiography syringes, Grabowski EF; Kaplan KL; Halpern EF, Invest Radiol 1991; **26:** 417

biochemical evidence for a relative lack of inhibition of thrombin formation by nonionic contrast media, Mamon JF; Hoppensteadt D; Fareed J; Moncada R, Radiology 1991; **179:** 399

critical appraisal of coagulation studies prior to transfemoral angiography, Wilson NV; Corne JM; Given-Wilson RM, Br J Radiol 1990; **63:** 147

current use of screening laboratory tests before abdominal interventions: a survey of 603 radiologists, Silverman SG; Coughlin BF; Seltzer SE; Swensson RG; Mueller PR, Radiology 1991; **181:** 669

differing mechanisms of clotting inhibition by ionic and nonionic contrast agents, Ing JJ; Smith DC; Bull BS, Radiology 1989; **172:** 345

do nonionic contrast media increase red cell aggregation and clot formation?, Aspelin P, Invest Radiol 1990; **25:** S119

effect of iodinated contrast media on blood clotting, Corot C; Perrin JM; Belleville J; et al, Invest Radiol 1989; **24:** 390

heparin supplementation of nonionic contrast agents, Massee DR; Smith DC; Westengard JC; Bull BS, JVIR 1991; **2:** 209

hepatic neoplasms: effects of transcatheter arterial embolization on coagulation and fibrinolysis, Katsushima S; Oi H; Nakagawa K; Iida Y; Hidaka A; Hatabu H; Kusui T; Konishi J, Radiology 1990; **174:** 747

magnetic relaxation in blood and blood clots, Bryant RG; Marill K; Blackmore C; et al, Magn Res Med 1990; **13:** 133

magnetic resonance characterization of blood coagulation in vitro: effect of platelet depletion, Stuhlmuller JE; Scholz TD; Olson JD; et al, Invest Radiol 1991; **26:** 343

magnetic resonance imaging of blood and clots in vitro, Blackmore CC; Francis CW; Bryant RG; et al, Invest Radiol 1990; **25:** 1316

plasminogen activators: pharmacology and therapy, Holden RW, Radiology 1990; **174:** 993

radiocontrast agents are contact activators of coagulation, Dawson P; Bradshaw A, Br J Radiol 1989; **62:** 631

renal uptake of Tc-99m sulfur colloid in disseminated intravascular coagulation, Dey HM; Spencer RP; Rosenberg RJ; et al, Clin Nucl Med 1990; **15:** 742

review of hypercoagulability syndromes: what the interventionalist needs to know, Perler BA, JVIR 1991; **2:** 183

thrombin generation in nonclottable mixtures of blood and nonionic contrast agents, Kopko PM; Smith DC; Bull BS, Radiology 1990; **174:** 459

thrombogenic potential of nonionic contrast media?, Dawson P; Hartnell GG; Grollman JH Jr, Radiology 1990; **177:** 280

thrombogenic potential of nonionic contrast media?: reply, Fareed J; Walenga JM; Saravia GE; Moncada RM, Radiology 1990; **177:** 283

Blood, fibrinogen

hepatic neoplasms: effects of transcatheter arterial embolization on coagulation and fibrinolysis, Katsushima S; Oi H; Nakagawa K; Iida Y; Hidaka A; Hatabu H; Kusui T; Konishi J, Radiology 1990; **174:** 747

plasminogen activators: pharmacology and therapy, Holden RW, Radiology 1990; **174:** 993

radionuclide thrombus imaging, Oster ZH; Som P, Radiology 1990; **174:** 894

radionuclide thrombus imaging: an idea whose time has come?, Grossman ZD, Radiology 1989; **173:** 22

radionuclide thrombus imaging: reply, Grossman ZD, Radiology 1990; **174:** 895

radionuclide thrombus imaging: reply, Schaible TF; Berger HJ, Radiology 1990; **174:** 895

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; **175:** 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; **178:** 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; **178:** 284

Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ, Radiology 1989; **173:** 163

Blood, flow dynamics

absolute intracranial blood-flow velocities evaluated by duplex Doppler sonography in asymptomatic preterm and term neonates, Horgan JG; Rumack CM; Hay T; et al, AJR 1989; **152:** 1059

A-mode ultrasonic detection of slow flow velocities in vitro, Kallio T; Alanen A; Kormano M, Acta Radiol 1989; **30:** 103

application of phase shifts in NMR for flow measurement, Firmin DN; Nayler GL; Kilner PJ; et al, Magn Res Med 1990; **14:** 230

assessment of abnormal pelvic blood flow by transvaginal color and pulsed Doppler, Kurjak A; Zalud I; Alfirević Ž; et al, Ultrasound Med Biol 1990; **16:** 437

assessment of normal and abnormal erectile function: color Doppler flow sonography versus conventional techniques, Schwartz AN; Lowe M; Berger RE; Wang KY; Mack LA; Richardson ML, Radiology 1991; **180:** 105

assessment of the distensibility of superficial arteries, Hoeks APG; Brands PJ; Smeets FAM; et al, Ultrasound Med Biol 1990; **16:** 121

assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; **177:** 265

blood flow in the superior mesenteric artery: estimation with Doppler US, Taylor GA, Radiology 1990; **174:** 15

bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535

can umbilical artery pulsatility index predict the outcome of fetuses with structural heart disease?, Copel JA; Hobbins JC; Kleinman CS, J Ultrasound Med 1991; **10:** 323

cerebral, umbilical, and uterine resistance using Doppler velocimetry in postterm pregnancy, Brar HS; Horenstein J; Medearis AL; et al, J Ultrasound Med 1989; **8:** 187

characterization of fluid flow using low-spatial-resolution velocity spectra from NMR images, Wendt RE III; Nitz WR; Murphy PH; et al, Magn Res Med 1989; **10:** 71

cine-computed tomographic assessment of regional renal blood flow, Jaschke W; Sievers RS; Lipton MJ; et al, Acta Radiol 1990; **31:** 77

circle of Willis blood velocity and flow direction after common carotid artery ligation for neonatal extracorporeal membrane oxygenation, (ab), Raju TNK; Kim SY; Meller JL; et al, Radiology 1989; **173:** 588

color-flow US imaging through the analysis of speckle motion, Gardiner WM; Fox MD, Radiology 1989; **172:** 866

comparison of cocurrent and countercurrent flow–related enhancement in MR imaging, Whittemore AR; Bradley WG; Jinkins JR, Radiology 1989; **170:** 265

comparison of the Doppler spectra from human blood and artificial blood used in a flow phantom, Hoskins PR; Loupas T; McDicken WN, Ultrasound Med Biol 1990; **16:** 141

comparison of the pulsatility index and input impedance parameters in a model of altered hemodynamics, Downing GJ; Yarlagadda AP; Maulik D, J Ultrasound Med 1991; **10:** 317

correlation of experimental rCBF determinations in goats with flow measurements from a Doppler-modified carotid artery shunt, Loftus CM; Silvidi JA; Becker JA; et al, J Ultrasound Med 1989; **8:** 7

detection of significant extracranial carotid stenosis with routine cerebral MR imaging, Russell EJ, Radiology 1989; **170:** 623

determination of instantaneous and average blood flow rates from digital angiograms of vessel phantoms using distance-density curves, Hoffmann KR; Doi K; Fencil LE, Invest Radiol 1991; **26:** 207

diagnosis of abdominal venous thrombosis by means of spin-echo and gradient-echo MR imaging: analysis with receiver operating characteristic curves, Arrivé L; Menu Y; Dessarts I; Dubray B; Vullierme M-P; Vilgrain V; Najmark D; Nahum H, Radiology 1991; **181:** 661

Doppler analysis of the umbilical artery: the importance of choosing the placental end of the cord, Abramowicz JS; Warsof SL; Arrington J; et al, J Ultrasound Med 1989; **8:** 219

Doppler blood velocity waveforms and the relation to peripheral resistance in the brachial artery, Legarth J; Nolsoe C, J Ultrasound Med 1990; **9:** 449

Doppler study of umbilical artery blood flow waveform: should we use an instrument-adapted nomogram?, Abramowicz JS; Arrington J; Levy DL; et al, J Ultrasound Med 1989; **8:** 183

Doppler US: part I. basic principles, instrumentation, and pitfalls, Taylor KJW; Holland S, Radiology 1990; **174:** 297

Doppler US: part II. clinical applications, Scoutt LM; Zawin ML; Taylor KJW, Radiology 1990; **174:** 309

Doppler velocimetry versus nonstress test in the antepartum monitoring of low-risk pregnancies, Arduini D; Rizzo G; Soliani A; et al, J Ultrasound Med 1991; **10:** 331

Doppler waveform parvus and tardus: a sign of proximal flow obstruction, Kotval PS, J Ultrasound Med 1989; **8:** 435

Doppler waveform pulsatility index and resistance, pressure and flow in the umbilical placental circulation: an investigation using a mathematical model, Thompson RS; Trudinger BJ, Ultrasound Med Biol 1990; **16:** 449

duplex-scanning of the deep venous drainage in the evaluation of blood flow velocity of the cerebral vascular system in infants, Winkler P; Helmke K, Pediatr Radiol 1989; **19:** 79

echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407

effect of calcium channel blocker nifedipine on uterine artery flow velocity waveforms, Thaler I; Wiener Z; Manor D; et al, J Ultrasound Med 1991; **10:** 301

effect of heart rate on Doppler measurements of resistive index in renal arteries, Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D, Radiology 1990; **175:** 511

effects of temperature on blood circulation measured with the laser Doppler method, Song CW; Chelstrom LM; Levitt SH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1041

feasibility spectrum for Doppler flowmetry of splanchnic vessels: in normal and cirrhotic populations, Sabbá C; Ferraioli G; Sarin SK; et al, J Ultrasound Med 1990; **9:** 705

flow artifact reduction in MRI: a review of the roles of gradient moment nulling and spatial presaturation, Ehman RL; Felmlee JP, Magn Res Med 1990; **14:** 293

flow velocity quantitation using inversion tagging, Saloner D; Anderson CM, Magn Res Med 1990; **16:** 269

forearm blood flow measurements using technetium-99m human serum albumin following brachial arteriotomy, Parkin A; Smye SW; Bishop N; et al, J Nucl Med 1989; **30:** 45

hemodynamic validation of Doppler assessment of fetoplacental circulation in a sheep model system, Maulik D; Yarlagadda P; Nathanielsz PW; et al, J Ultrasound Med 1989; **8:** 177

imaging of blood flow changes following angioplasty for treatment of vasospasm, Pistoia F; Horton JA; Sekhar L; et al, AJNR 1991; **12:** 446

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

imaging of the basal cerebral arteries and measurement of blood velocity in adults by using transcranial real-time color flow Doppler sonography, Tsuchiya T; Yasaka M; Yamaguchi T; et al, AJNR 1991; **12:** 497

imaging of the basal cerebral arteries and measurement of blood velocity in adults by using transcranial real-time color flow Doppler sonography, Tsuchiya T; Yasaka M; Yamaguchi T; et al, AJR 1991; **157:** 397

impaired cerebral vasoreactivity after embolization of arteriovenous malformations: assessment with serial acetazolamide challenge xenon CT, Tarr RW; Johnson DW; Horton JA; et al, AJNR 1991; **12:** 417

inter- and intra-observer variability of Doppler peak velocity measurements: an *in-vitro* study, Tessler FN; Kimme-Smith C; Sutherland ML; et al, Ultrasound Med Biol 1990; **16:** 653

internal jugular venous flow measurement by means of a duplex scanner, Müller HR; Hinn G; Buser MW, J Ultrasound Med 1990; **9:** 261

intrauterine growth retardation: a prospective study of the diagnostic value of real-time sonography combined with umbilical artery flow velocimetry, (ab), Divon MY; Guidetti DA; Braverman JJ; et al, Radiology 1989; **171:** 588

intravascular hematocrit effect in cross-sectional CT imaging, Lin MC; Forrest JV; Mattrey RF; et al, JCAT 1991; **15:** 464

intravascular microcatheter pressure monitoring: experimental results and early clinical evaluation, Duckwiler GR; Dion J; Viñuela F, AJNR 1990; **11:** 169

in vitro study of the hemodynamic effects of catheter injections, Morris TW; Walike CS, Invest Radiol 1989; **24:** 361

in vitro validation of Doppler indices using blood and water, Spencer JAD; Giussani DA; Moore PJ; et al, J Ultrasound Med 1991; **10:** 305

in vivo evaluation of femoral blood flow measured with magnetic resonance, Henriksen O; Ståhlberg F; Thomsen C; et al, Acta Radiol 1989; **30:** 153

in vivo ^{31}P and ^{1}H NMR studies of rat brain tumor pH and blood flow during acute hyperglycemia: differential effects between subcutaneous and intracerebral locations, Ross BD; Mitchell SL; Merkle H; et al, Magn Res Med 1989; **12:** 219

magnetohydrodynamics of blood flow, Keltner JR; Roos MS; Brakeman PR; et al, Magn Res Med 1990; **16:** 139

major pitfalls in Doppler investigations: part II. low flow velocities and color Doppler applications, Winkler P; Helmke K; Mahl M, Pediatr Radiol 1990; **20:** 304

maximization of contrast-to-noise ratio to distinguish diffusion and microcirculatory flow, Maki JH; Benveniste H; MacFall JR; Johnson GA, JMRI 1991; **1:** 39

measurement of distensibility of blood vessels using cineangiograms, Sugahara T; Yanagihara Y; Uyama C; et al, Invest Radiol 1989; **24:** 672

measurement of tissue blood flow using intravascular relaxation agents and magnetic resonance imaging, Gore JC; Majumdar S, Magn Res Med 1990; **14:** 242

mechanics and imaging of the macrocirculation, Caro CG; Parker KH, Magn Res Med 1990; **14:** 179

method of analysis of SPECT blood flow image data for comparison with computed tomography, Mountz JM, Clin Nucl Med 1989; **14:** 192

microcirculatory considerations in NMR flow imaging, Bassingthwaighte JB, Magn Res Med 1990; **14:** 172

middle cerebral artery: determination of flow velocities with MR angiography, Mattle HP; Edelman RR; Wentz KU; Reis MA; Atkinson DJ; Ellert T, Radiology 1991; **181:** 527

MR angiography, Edelman RR; Mattle HP; Atkinson DJ; et al, AJR 1990; **154:** 937

MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; **171:** 841

new algorithm for deriving pulsatile blood flow waveforms tested using simulated dynamic angiographic data, Seifalian AM; Hawkes DJ; Colchester ACF; et al, Neuroradiol 1989; **31:** 263

partial splenic embolization guided by blood flow measurements, Link DP; Lantz BMT; Seibert JA; et al, Invest Radiol 1989; **24:** 678

peripheral vascular and abdominal applications of MR flow imaging techniques, Steinberg FL; Yucel EK; Dumoulin CL; et al, Magn Res Med 1990; **14:** 315

perivascular color artifact: pathologic significance and appearance on color Doppler US images, Middleton WD; Erickson S; Melson GL, Radiology 1989; **171:** 647

placental vascular resistance using umbilical velocimetry in patients undergoing cesarean section for fetal distress, Brar HS; Platt LD, J Ultrasound Med 1989; **8:** 211

popliteal artery hemodynamics: MR imaging—US correlation, Dousset V; Wehrli FW; Louie A; Listerud J, Radiology 1991; **179:** 437

portal blood flow: measurement with MR imaging, Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H, Radiology 1989; **173:** 639

prediction of brain blood flow using pulsed Doppler ultrasonography in newborn lambs, Martin CG; Hansen TN; Goddard-Finegold J; et al, JCU 1990; **18:** 487

pseudocolor display of regional organ blood flow determined by means of the radioactive microsphere technique, Gross W; Zeller P; Kreimeier U; et al, Comput Med Imag Graph 1990; **14:** 1

pulsatile flow index for qualitative measurements of blood flow with duplex ultrasound: an experimental study, Cazenave CR; Sievers KW; Kaude JV; et al, Eur J Radiol 1989; **9:** 42

pulsed Doppler sonographic measurement of normal values for the flow velocities in the intracranial arteries of healthy newborns, Deeg KH; Rupprecht T, Pediatr Radiol 1989; **19:** 71

pulsed Doppler ultrasound blood flow measurements in the superior mesenteric artery of the newborn, Leidig E, Pediatr Radiol 1989; **19:** 169

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551

quantification of regional blood flow by monitoring of exogenous tracer via nuclear magnetic resonance spectroscopy, Kim S-G; Ackerman JJH, Magn Res Med 1990; **14:** 266

quantification of vascular stenosis with color Doppler flow imaging: in vitrl investigations, Landwehr P; Schindler R; Heinrich U; Dölken W; Krahe T; Lackner K, Radiology 1991; **178:** 701

quantitative assessment of average velocity in inferior vena cava by phase-display MR imaging: pulsed Doppler correlation, Didier D; Schouman-Claeys E; Breton E; et al, JCAT 1989; **13:** 94

quantitative measurement of abdominal arterial blood flow using image-directed Doppler ultrasonography: superior mesenteric, splenic, and common hepatic arterial blood flow in normal adults, Nakamura T; Moriyasu F; Ban N; et al, JCU 1989; **17:** 261

recording of blood flow velocity waveforms in the uteroplacental and umbilical circulation: reproducibility study and comparison of pulsed and continuous wave Doppler ultrasonography, Gudmundsson S; Fairlie F; Lingman G; et al, JCU 1990; **18:** 97

relationship between time averaged intensity weighted mean velocity, and time averaged maximum velocity in neonatal cerebral arteries, Evans DH; Schlindwein FS; Levene MI, Ultrasound Med Biol 1989; **15:** 429

repeatability of Doppler ultrasound measurement of blood flow velocity and its variability in the supraclinoid segment of the internal carotid artery in preterm newborns, Mullaart RA; Hopman JCW; Daniels O; et al, Ultrasound Med Biol 1989; **15:** 545

right and left lung perfusion: in vitro and in vivo validation with oblique-angle, velocity-encoded cine MR imaging, Caputo GR; Kondo C; Masui T; Geraci SJ; Foster E; O'Sullivan MM; Higgins CB, Radiology 1991; **180:** 693

role of umbilical Doppler velocimetry in the biophysical assessment of the growth-retarded fetus: answers from neonatal morbidity and mortality, Ferrazzi E; Vegni C; Bellotti M; et al, J Ultrasound Med 1991; **10:** 309

should results of ultrasound Doppler studies be reported in units of frequency or velocity?, Phillips DJ; Beach KW; Primozich J; et al, Ultrasound Med Biol 1989; **15:** 205

significant extracranial carotid stenosis: detection on routine cerebral MR images, Heinz ER; Yeates AE; Djang WT, Radiology 1989; **170:** 843

site-dependent effects of increases in placental vascular resistance on the umbilical arterial velocity waveform in fetal sheep, Adamson SL; Morrow RJ; Langille BL; et al, Ultrasound Med Biol 1990; **16:** 19

spatial misregistration of vascular flow during MR imaging of the CNS: cause and clinical significance, Larson TC III; Kelly WM; Ehman RL; et al, AJNR 1990; **11:** 1041

superior mesenteric artery blood flow velocity and estimated volume flow: duplex Doppler US study of preterm and term neonates, Van Bel F; Van Zwieten PHT; Guit GL; Schipper J, Radiology 1990; **174:** 165

suspected testicular torsion and ischemia: evaluation with color Doppler sonography, Burks DD; Markey BJ; Burkhard TK; Balsara ZN; Haluszka MM; Canning DA, Radiology 1990; **175:** 815

time-of-flight effects in MR imaging of flow, Wehrli FW, Magn Res Med 1990; **14:** 187

tissue perfusion in humans studied by Fourier velocity distribution, line scan, and echo-planar imaging, Feinberg DA; Jakab PD, Magn Res Med 1990; **16:** 280

transfontanelle pulsed Doppler measurement of blood flow velocity in the internal jugular vein, straight sinus, and internal cerebral vein in preterm and term neonates, Pfannschmidt J; Jorch G, Ultrasound Med Biol 1989; **15:** 9

triangulation method for the quantitative measurement of arterial blood velocity magnitude and direction in humans, Schrank E; Phillips DJ; Moritz WE; et al, Ultrasound Med Biol 1990; **16:** 499

umbilical and uterine artery flow velocity waveforms: effect of the sampling site on Doppler ratios, Mehalek KE; Rosenberg J; Berkowitz GS; et al, J Ultrasound Med 1989; **8:** 171

umbilical artery Doppler blood velocity waveforms in normal and abnormal gestations, Friedman DM; Ehrlich P; Hoskins IA, J Ultrasound Med 1989; **8:** 375

umbilical artery velocity waveforms in early pregnancy: a transvaginal color Doppler study, Arduini D; Rizzo G, JCU 1991; **19:** 335

use of a Diasonics DRF400 duplex ultrasound scanner to measure volume flow in arterio-venous fistulae in patients undergoing haemodialysis: an analysis of measurement uncertainties, Oates CP; Wiliams ED; McHugh MI, Ultrasound Med Biol 1990; **16:** 571

uterine bloodflow velocity waveforms before and after transcervical chorionic villus sampling, Cohen-Overbeek TE; Jahoda MGJ; Wladimiroff JW, Ultrasound Med Biol 1990; **16:** 129

vascular smooth muscle contraction and relaxation: pathways and chemical modulation, Consigny PM, JVIR 1991; **2:** 309

velocity profiles in the normal human abdominal aorta: a comparison between ultrasound and magnetic resonance data, Vieli A; Moser U; Maier S; et al, Ultrasound Med Biol 1989; **15:** 113

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; **177:** 537

Blood, MR

acute hematomas: effects of deoxygenation, hematocrit, and fibrin-clot formation and retraction on T2 shortening, Clark RA; Watanabe AT; Bradley WG Jr; Roberts JD, Radiology 1990; **175:** 201

analysis of ^{23}Na NMR spectra from isolated perfused hearts, Kohler SJ; Perry SB; Stewart LC; et al, Magn Res Med 1991; **18:** 15

application of phase shifts in NMR for flow measurement, Firmin DN; Nayler GL; Kilner PJ; et al, Magn Res Med 1990; **14:** 230

blood MR signal suppression by preexcitation with inverting pulses, Mayo JR; Culham JAG; MacKay AL; Aikins DG, Radiology 1989; **173:** 269

bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535

cardiovascular/interventional radiology: RSNA '88 meeting notes, Hunter DW; Cragg AH; Darcy MD; Ferris E; Thorpe P; Vogelzang RL; van Breda A; Herrera M; Castaneda F, Radiology 1989; **170:** 910

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

characterization of fluid flow using low-spatial-resolution velocity spectra from NMR images, Wendt RE III; Nitz WR; Murphy PH; et al, Magn Res Med 1989; **10:** 71

detection of significant extracranial carotid stenosis with routine cerebral MR imaging, Russell EJ, Radiology 1989; **170:** 623

echo-planar high-resolution flow velocity mapping, Firmin DN; Klipstein RH; Hounsfield GL; et al, Magn Res Med 1989; **12:** 316

effect of clot formation and retraction on spin-echo MR images of blood: an in vitro study, Hayman LA; Taber KH; Ford JJ; et al, AJNR 1989; **10:** 1155

effect of oral contraception on water-suppressed proton NMR spectra of plasma, Carlier PG; Vaesen F; Gilles RG; et al, Magn Res Med 1991; **17:** 269

effects of cell membrane disruption on the relaxation rates of blood and clot with various methemoglobin concentrations, Bass J; Sostman HD; Boyko O; et al, Invest Radiol 1990; **25:** 1232

ESR study of pathologic red blood cell membranes (RBCM), Perussi JR; Costa FF; Baffa O; et al, Magn Res Med 1990; **16:** 132

estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T, Wright GA; Hu BS; Macovski A, JMRI 1991; **1:** 275

fast time-of-flight MR angiography with improved background suppression, Edelman RR; Chien D; Atkinson DJ; Sandstrom J, Radiology 1991; **179:** 867

flow artifact reduction in MRI: a review of the roles of gradient moment nulling and spatial presaturation, Ehman RL; Felmlee JP, Magn Res Med 1990; **14:** 293

flow velocity quantitation using inversion tagging, Saloner D; Anderson CM, Magn Res Med 1990; **16:** 269

^{1}H NMR studies on human plasma lipids from newborn infants, healthy adults, and adults with tumors, Eskelinen S; Hiltunen Y; Jokisaari J; et al, Magn Res Med 1989; **9:** 35

in vitro validation of Doppler indices using blood and water, Spencer JAD; Giussani DA; Moore PJ; et al, J Ultrasound Med 1991; **10:** 305

in vivo ^{31}P and ^{1}H NMR studies of rat brain tumor pH and blood flow during acute hyperglycemia: differential effects between subcutaneous and intracerebral locations, Ross BD; Mitchell SL; Merkle H; et al, Magn Res Med 1989; **12:** 219

magnetic relaxation in blood and blood clots, Bryant RG; Marill K; Blackmore C; et al, Magn Res Med 1990; **13:** 133

magnetic resonance characterization of blood coagulation in vitro: effect of platelet depletion, Stuhlmuller JE; Scholz TD; Olson JD; et al, Invest Radiol 1991; **26:** 343

magnetic resonance imaging of blood and clots in vitro, Blackmore CC; Francis CW; Bryant RG; et al, Invest Radiol 1990; **25:** 1316

magnetic resonance imaging of perfusion, Le Bihan D, Magn Res Med 1990; **14:** 283

magnetohydrodynamics of blood flow, Keltner JR; Roos MS; Brakeman PR; et al, Magn Res Med 1990; **16:** 139

maximization of contrast-to-noise ratio to distinguish diffusion and microcirculatory flow, Maki JH; Benveniste H; MacFall JR; Johnson GA, JMRI 1991; **1:** 39

measurement of tissue blood flow using intravascular relaxation agents and magnetic resonance imaging, Gore JC; Majumdar S, Magn Res Med 1990; **14:** 242

microcirculatory considerations in NMR flow imaging, Bassingthwaighte JB, Magn Res Med 1990; **14:** 172

MR angiography, Edelman RR; Mattle HP; Atkinson DJ; et al, AJR 1990; **154:** 937

MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; **171:** 841

NMR visibility of ^{39}K and ^{35}Cl in erythrocytes and kidney tubules, Boulanger Y; Vinay P, Magn Res Med 1990; **16:** 246

on the origin of paramagnetic inhomogeneity effects in blood, Brooks RA; Brunetti A; Alger JR; et al, Magn Res Med 1989; **12:** 241

on the origin of paramagnetic inhomogeneity effects in whole blood, Matwiyoff NA; Gasparovic C; Mazurchuk R; et al, Magn Res Med 1991; **20:** 144

peripheral vascular and abdominal applications of MR flow imaging techniques, Steinberg FL; Yucel EK; Dumoulin CL; et al, Magn Res Med 1990; **14:** 315

portal blood flow: measurement with MR imaging, Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H, Radiology 1989; **173:** 639

proton NMR of blood plasma and the test for cancer, Herring FG; Phillips PS; Pritchard H; et al, Magn Res Med 1990; **16:** 35

quantification of regional blood flow by monitoring of exogenous tracer via nuclear magnetic resonance spectroscopy, Kim S-G; Ackerman JJH, Magn Res Med 1990; **14:** 266

rebound alkalosis and persistent lactate: multinuclear (^{1}H, ^{13}C, ^{31}P) NMR spectroscopic studies in rats, Nakada T; Houkin K; Hida K; et al, Magn Res Med 1991; **18:** 9

spatial misregistration of vascular flow during MR imaging of the CNS: cause and clinical significance, Larson TC III; Kelly WM; Ehman RL; et al, AJNR 1990; **11:** 1041

spectral editing techniques for ^{31}P NMR spectroscopy of blood, Jayasundar R; Norwood TJ; Hall LD; et al, Magn Res Med 1989; **10:** 89

three-dimensional phase contrast angiography, Dumoulin CL; Souza SP; Walker MF; et al, Magn Res Med 1989; **9:** 139

three-dimensional time-of-flight magnetic resonance angiography using spin saturation, Dumoulin CL; Cline HE; Souza SP; et al, Magn Res Med 1989; **11:** 35

time-of-flight effects in MR imaging of flow, Wehrli FW, Magn Res Med 1990; **14:** 187

tissue perfusion in humans studied by Fourier velocity distribution, line scan, and echo-planar imaging, Feinberg DA; Jakab PD, Magn Res Med 1990; **16:** 280

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; **177:** 537

Blood, platelets

hepatic neoplasms: effects of transcatheter arterial embolization on coagulation and fibrinolysis, Katsushima S; Oi H; Nakagawa K; Iida Y; Hidaka A; Hatabu H; Kusui T; Konishi J, Radiology 1990; **174:** 747

platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A, Radiology 1989; **170:** 767

rapid method for estimating mean platelet survival time, Giuliani DC; Ford EH; Morse BS, J Nucl Med 1989; **30:** 1550

treatment of essential thrombocythaemia with radioactive phosphorus, Wagner S; Waxman J; Sikora K, Clin Radiol 1989; **40:** 190

Blood, radionuclide studies

forearm blood flow measurements using technetium-99m human serum albumin following brachial arteriotomy, Parkin A; Smye SW; Bishop N; et al, J Nucl Med 1989; **30:** 45

gated blood pool tomography: a technology whose time has come, Fischman AJ; Moore RH; Gill JB; et al, Semin Nucl Med 1989; **19:** 13

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE; Cheng SC; Sketch MH; Frick MP, Radiology 1989; **173:** 769

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Spiegler EJ, Radiology 1990; **175:** 877

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress: reply, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE, Radiology 1990; **175:** 877

platelet deposition at angioplasty sites and its relation to restenosis in human iliac and femoropopliteal arteries, Minar E; Ehringer H; Ahmadi R; Dudczak R; Leitha T; Koppensteiner R; Jung M; Stümpflen A, Radiology 1989; **170:** 767

radionuclide thrombus imaging, Oster ZH; Som P, Radiology 1990; **174:** 894

radionuclide thrombus imaging: an idea whose time has come?, Grossman ZD, Radiology 1989; **173:** 22

radionuclide thrombus imaging: reply, Grossman ZD, Radiology 1990; **174:** 895

radionuclide thrombus imaging: reply, Schaible TF; Berger HJ, Radiology 1990; **174:** 895

Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ, Radiology 1989; **173:** 163

Blood, US

A-mode ultrasonic detection of slow flow velocities in vitro, Kallio T; Alanen A; Kormano M, Acta Radiol 1989; **30:** 103

color Doppler flow imaging, Foley WD; Erickson SJ, AJR 1991; **156:** 3

comparative study of continuous- and pulsed-wave Doppler velocimetry in fetal and uteroplacental circulation, Chan FY; Pun TC; Lee CP; et al, J Ultrasound Med 1991; **10:** 277

comparison of the Doppler spectra from human blood and artificial blood used in a flow phantom, Hoskins PR; Loupas T; McDicken WN, Ultrasound Med Biol 1990; **16:** 141

comparison of the pulsatility index and input impedance parameters in a model of altered hemodynamics, Downing GJ; Yarlagadda AP; Maulik D, J Ultrasound Med 1991; **10:** 317

current applications of color Doppler imaging in the abdomen and extremities, Lewis BD; James EM; Charboneau JW; Reading CC; Welch TJ, Radiographics 1989; **9:** 599

Doppler blood velocity waveforms and the relation to peripheral resistance in the brachial artery, Legarth J; Nolsoe C, J Ultrasound Med 1990; **9:** 449

Doppler US: part I. basic principles, instrumentation, and pitfalls, Taylor KJW; Holland S, Radiology 1990; **174:** 297

Doppler US: part II. clinical applications, Scoutt LM; Zawin ML; Taylor KJW, Radiology 1990; **174:** 309

Doppler velocimetry versus nonstress test in the antepartum monitoring of low-risk pregnancies, Arduini D; Rizzo G; Soliani A; et al, J Ultrasound Med 1991; **10:** 331

Doppler waveform parvus and tardus: a sign of proximal flow obstruction, Kotval PS, J Ultrasound Med 1989; **8:** 435

echoicity of whole blood, Yuan Y-W; Shung KK, J Ultrasound Med 1989; **8:** 425

effects of temperature on blood circulation measured with the laser Doppler method, Song CW; Chelstrom LM; Levitt SH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1041

hemodynamic validation of Doppler assessment of fetoplacental circulation in a sheep model system, Maulik D; Yarlagadda P; Nathanielsz PW; et al, J Ultrasound Med 1989; **8:** 177

imaging of the basal cerebral arteries and measurement of blood velocity in adults by using transcranial real-time color flow Doppler sonography, Tsuchiya T; Yasaka M; Yamaguchi T; et al, AJNR 1991; **12:** 497

inter- and intra-observer variability of Doppler peak velocity measurements: an *in-vitro* study, Tessler FN; Kimme-Smith C; Sutherland ML; et al, Ultrasound Med Biol 1990; **16:** 653

in vitro echogenicity of flowing blood in patients with vascular disease and the effect of naftidrofuryl, Kallio T; Alanen A; Kormano M, Ultrasound Med Biol 1989; **15:** 555

major pitfalls in Doppler investigations: part II. low flow velocities and color Doppler applications, Winkler P; Helmke K; Mahl M, Pediatr Radiol 1990; **20:** 304

on the application of ultrasonic contrast agents for blood flowmetry and assessment of cardiac perfusion, Bleeker H; Shung K; Barnhart J, J Ultrasound Med 1990; **9:** 461

prediction of brain blood flow using pulsed Doppler ultrasonography in newborn lambs, Martin CG; Hansen TN; Goddard-Finegold J; et al, JCU 1990; **18:** 487

pulsatile flow index for qualitative measurements of blood flow with duplex ultrasound: an experimental study, Cazenave CR; Sievers KW; Kaude JV; et al, Eur J Radiol 1989; **9:** 42

pulsed Doppler sonographic measurement of normal values for the flow velocities in the intracranial arteries of healthy newborns, Deeg KH; Rupprecht T, Pediatr Radiol 1989; **19:** 71

pulsed Doppler ultrasound blood flow measurements in the superior mesenteric artery of the newborn, Leidig E, Pediatr Radiol 1989; **19:** 169

recording of blood flow velocity waveforms in the uteroplacental and umbilical circulation: reproducibility study and comparison of pulsed and continuous wave Doppler ultrasonography, Gudmundsson S; Fairlie F; Lingman G; et al, JCU 1990; **18:** 97

repeatability of Doppler ultrasound measurement of blood flow velocity and its variability in the supraclinoid segment of the internal carotid artery in preterm newborns, Mullaart RA; Hopman JCW; Daniels O; et al, Ultrasound Med Biol 1989; **15:** 545

should results of ultrasound Doppler studies be reported in units of frequency or velocity?, Phillips DJ; Beach KW; Primozich J; et al, Ultrasound Med Biol 1989; **15:** 205

suspected testicular torsion and ischemia: evaluation with color Doppler sonography, Burks DD; Markey BJ; Burkhard TK; Balsara ZN; Haluszka MM; Canning DA, Radiology 1990; **175:** 815

use of a Diasonics DRF400 duplex ultrasound scanner to measure volume flow in arterio-venous fistulae in patients undergoing haemodialysis: an analysis of measurement uncertainties, Oates CP; Wiliams ED; McHugh MI, Ultrasound Med Biol 1990; **16:** 571

Blood, volume

cerebral blood volume in a rat model of ischemia by MR imaging at 4.7 T, Kent TA; Quast MJ; Kaplan BJ; et al, AJNR 1989; **10:** 335

Blood-brain barrier

angiogenesis and blood-brain barrier breakdown modulate CT contrast enhancement: an experimental study in a rabbit brain-tumor model, Zagzag D; Goldenberg M; Brem S, AJNR 1989; **10:** 529

blood-brain barrier, Gregoire N, J Neuroradiol 1989; **16:** 238

blood-brain barrier injury following intracarotid injection of radiographic contrast media: in vivo quantification using magnetic resonance imaging and Gd-DTPA, Hayakawa K; Yamashita K; Mitsumori M; et al, Acta Radiol 1990; **31:** 203

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

chemotoxic effects of low-osmolar contrast media on the blood–brain barrier, Evill CA; Wilson AJ; Sage MR, Invest Radiol 1990; **25:** S82

disruption of the blood–brain barrier caused by nonionic contrast medium used for abdominal angiography: CT demonstration, Okazaki H; Tanaka K; Shishido T; et al, JCAT 1989; **13:** 893

effect of contrast medium viscosity on the blood-brain barrier after intracarotid injection in the rabbit, Wilson AJ; Wilcox J; Evill CA; et al, AJNR 1989; **10:** 129

effects of ionizing radiation on the blood brain barrier permeability to pharmacologically active substances, Trnovec T; Kállay Z; Bezek S, Int J Radiat Oncol Biol Phys 1990; **19:** 1581

influence of radiation on the blood-brain barrier and optimum time of chemotherapy, Qin D-X; Zheng R; Tang J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1507

intravascular contrast media and the blood-brain barrier: testing the new nonionic agent ioxilan, Harnish PP; Krutchen A; Mukherji M, Invest Radiol 1989; **24:** 34

in vivo quantification of the blood–brain barrier injury using magnetic resonance enhancement, Hayakawa K; Yamashita K; Mitsumori M; et al, Invest Radiol 1990; **25:** S80

measurement of the blood–brain barrier permeability and leakage space using dynamic MR imaging. I. fundamental concepts, Tofts PS; Kermode AG, Magn Res Med 1991; **17:** 357

mechanisms of blood-brain barrier breakdown, Greenwood J, Neuroradiol 1991; **33:** 95

opening of the blood-brain barrier by intravenous contrast media in euvolemic and dehydrated rabbits, Hayakawa K; Morris TM; Katzberg RW, Acta Radiol 1989; **30:** 439

possible alteration of the blood-brain barrier by boron-neutron capture therapy, Hatanaka H; Moritani M; Camillo M, Acta Oncol 1991; **30:** 375

quantitation of blood–brain barrier defect by magnetic resonance imaging and gadolinium–DTPA in patients with multiple sclerosis and brain tumors, Larsson HBW; Stubgaard M; Frederiksen JL; et al, Magn Res Med 1990; **16:** 117

seizure induced disruption of blood–brain barrier demonstrated by CT, Clarke HB; Gabrielsen TO, JCAT 1989; **13:** 889

Blood vessels

endothelial cell biology, Pearson JD, Radiology 1991; **179:** 9

intraarterial secretin injection for gastrinoma localization, Williams DM, Radiology 1990; **174:** 9

platelet adhesion/aggregation to injured vascular endothelium in flowing blood: effects of contrast media, Grabowski EF, Invest Radiol 1990; **25:** S123

thoracic outlet syndrome: evaluation with CT, Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B, Radiology 1989; **171:** 381

vascular smooth muscle contraction and relaxation: pathways and chemical modulation, Consigny PM, JVIR 1991; **2:** 309

Blood vessels, CT

dynamic CT of the neck, Gay SB; Pevarski DR; Phillips CD; Levine PA, Radiology 1991; **180:** 284

intravascular hematocrit effect in cross-sectional CT imaging, Lin MC; Forrest JV; Mattrey RF; et al, JCAT 1991; **15:** 464

thoracic outlet syndrome: evaluation with CT, Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B, Radiology 1989; **171:** 381

Blood vessels, flow dynamics

See Blood, flow dynamics

Blood vessels, foreign bodies

retrieval of a guidewire introducer by catheter-capture from the proximal inferior vena cava: technical note, Kim SH; Song IS; Kim JH; et al, Cardiovasc Intervent Radiol 1991; **14:** 252

split 24-F Amplatz dilator for percutaneous extraction of an intravascular bullet: case report and technical note, Gaylord GM; Johnsrude IS, Radiology 1989; **170:** 888

Blood vessels, grafts
case report: gas in an infected vascular prosthesis. an unusual finding on plain radiographs, Campbell C; Robertson DAR, Clin Radiol 1990; **41:** 60
early and five-year results for coronary artery bypass grafting: a benchmark for percutaneous transluminal coronary angioplasty, (ab), Daily PO, Radiology 1989; **173:** 587
evaluation of coronary bypass graft patency: direct and indirect techniques other than coronary arteriography, Stanford W; Galvin JR; Skorton DJ; et al, AJR 1991; **156:** 15
percutaneously placed endovascular grafts for aortic aneurysms: feasibility study, Mirich D; Wright KC; Wallace S; Yoshioka T; Lawrence DD Jr; Charnsangavej C; Gianturco C, Radiology 1989; **170:** 1033
Blood vessels, inflammation
See Vasculitis
Blood vessels, MR
3-D MR angiography with scanning 2-D images—simultaneous data acquisition of arteries and veins (SAAV), Kim JH; Cho ZH, Magn Res Med 1990; **14:** 554
aortoiliac and femoropopliteal phase-based NMR angiography: a comparison between FLAG and RSE, Lanzer P; Bohning D; Groen J; et al, Magn Res Med 1990; **15:** 372
cardiovascular magnetic resonance imaging—state of the art 1988: summary of a symposium held at the North American Society of Cardiac Radiology Annual Meeting, April 30–May 1, 1988, Guthaner DF, Cardiovasc Intervent Radiol 1989; **12:** 213
comparison of cocurrent and countercurrent flow–related enhancement in MR imaging, Whittemore AR; Bradley WG; Jinkins JR, Radiology 1989; **170:** 265
diagnosis of abdominal venous thrombosis by means of spin-echo and gradient-echo MR imaging: analysis with receiver operating characteristic curves, Arrivé L; Menu Y; Dessarts I; Dubray B; Vullierme M-P; Vilgrain V; Najmark D; Nahum H, Radiology 1991; **181:** 661
displays for MR angiography, Laub G, Magn Res Med 1990; **14:** 222
echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407
evaluation of flow through simulated vascular stenoses with gradient echo magnetic resonance imaging, Podolak MJ; Hedlund LW; Evans AJ; et al, Invest Radiol 1989; **24:** 184
extracardiac vasculature in candidates for Fontan surgery: MR imaging, Julsrud PR; Ehman RL; Hagler DJ; Ilstrup DM, Radiology 1989; **173:** 503
fast Fourier projection for MR angiography, Napel S; Dunne S; Rutt BK, Magn Res Med 1991; **19:** 393
fast selective black blood MR imaging, Edelman RR; Chien D; Kim D, Radiology 1991; **181:** 655
functional variations in parenchymal microvascular systems within the brain, Fenstermacher MJ; Nakata H; Tajima A; et al, Magn Res Med 1991; **19:** 217
gadolinium enhanced MR imaging of vascular stents, Matsumoto AH; Teitelbaum GP; Carvlin MJ; et al, JCAT 1990; **14:** 357
high-speed line scan MR angiography, Brown DG; Riederer SJ; Wright RC; et al, Magn Res Med 1990; **15:** 475
imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7
intravascular hematocrit effect in cross-sectional CT imaging, Lin MC; Forrest JV; Mattrey RF; et al, JCAT 1991; **15:** 464
lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327
magnetic resonance angiography, Loeffler W; Laub G, J Canad Assoc Radiol 1990; **41:** 19
magnetic resonance imaging of blood vessels at high fields: *in vivo* and *in vivo* measurements and image simulation, Ogawa S; Lee T-M, Magn Res Med 1990; **16:** 9
MR angiography with gadopentetate dimeglumine-polylysine: evaluation in rabbits, Marchal G; Bosmans H; Van Hecke P; et al, AJR 1990; **155:** 407
MR angiography without subtraction, Zur Y; Zou X; Neuringer LJ, Magn Res Med 1991; **19:** 361
nuclear magnetic resonance imaging: its diagnostic value in patients with congenital vascular malformations of the limbs, (ab), Pearce WH; Rutherford RB; Whitehill TA; et al, Radiology 1989; **170:** 292
optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013
optimizing blood vessel contrast in fast three-dimensional MRI, Haacke EM; Masaryk TJ; Wielopolski PA; et al, Magn Res Med 1990; **14:** 202
phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, Hausmann R; Lewin JS; Laub G, JMRI 1991; **1:** 415
popliteal artery hemodynamics: MR imaging—US correlation, Dousset V; Wehrli FW; Louie A; Listerud J, Radiology 1991; **179:** 437
portal blood flow: measurement with MR imaging, Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H, Radiology 1989; **173:** 639
projection arteriography and venography: initial clinical results with MR, Edelman RR; Wentz KU; Mattle HP; Zhao B; Liu C; Kim D; Laub G, Radiology 1989; **172:** 351
quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551
simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA, JMRI 1991; **1:** 399
three-dimensional phase-contrast MR angiography in the head and neck: preliminary report, Pernicone JR; Siebert JE; Potchen EJ; et al, AJR 1990; **155:** 167
time-of-flight MR angiography, Nishimura DG, Magn Res Med 1990; **14:** 194
use of magnetic particles for sensitizing MR images to blood flow, Hardy PA; Bronskill MJ; Belanger M-J; Henkelman RM, JMRI 1991; **1:** 431
use of radio-frequency field gradients to image blood flow and perfusion in vivo, Karczmar GS; Tavares NJ; Moseley ME, Radiology 1989; **172:** 363
Blood vessels, stenosis or obstruction
assessment of normal and abnormal erectile function: color Doppler flow sonography versus conventional techniques, Schwartz AN; Lowe M; Berger RE; Wang KY; Mack LA; Richardson ML, Radiology 1991; **180:** 105
evaluation of flow through simulated vascular stenoses with gradient echo magnetic resonance imaging, Podolak MJ; Hedlund LW; Evans AJ; et al, Invest Radiol 1989; **24:** 184
percutaneous transcatheter stent placement, Wright KC, Radiology 1990; **176:** 620
plasminogen activators: pharmacology and therapy, Holden RW, Radiology 1990; **174:** 993
quantification of vascular stenosis with color Doppler flow imaging: in vitrl investigations, Landwehr P; Schindler R; Heinrich U; Dölken W; Krahe T; Lackner K, Radiology 1991; **178:** 701
review of hypercoagulability syndromes: what the interventionalist needs to know, Perler BA, JVIR 1991; **2:** 183
Blood vessels, US
assessment of normal and abnormal erectile function: color Doppler flow sonography versus conventional techniques, Schwartz AN; Lowe M; Berger RE; Wang KY; Mack LA; Richardson ML, Radiology 1991; **180:** 105
automatic vessel tracking and measurement for Doppler studies, Wilson LS; Dadd MJ; Gill RW, Ultrasound Med Biol 1990; **16:** 645
Doppler spectral waveform generation *in vitro*: an aid to diagnosis of vascular disease, Shortland AP; Cochrane T, Ultrasound Med Biol 1989; **15:** 737
Doppler US: part II. clinical applications, Scoutt LM; Zawin ML; Taylor KJW, Radiology 1990; **174:** 309
hemolytic-uremic syndrome: intrarenal arterial Doppler patterns as a useful guide to therapy, Patriquin HB; O'Regan S; Robitaille P; Paltiel H, Radiology 1989; **172:** 625
intravascular ultrasonography: validation studies and preliminary intraoperative observations, (ab), Neville RF; Hobson RW II; Jamil Z; et al, Radiology 1991; **180:** 591
intravascular ultrasound imaging of vascular responsiveness in isolated perfused canine arteries, Wilson MW; Webb RC; Marx MV; et al, Invest Radiol 1991; **26:** 248
perivascular color artifact: pathologic significance and appearance on color Doppler US images, Middleton WD; Erickson S; Melson GL, Radiology 1989; **171:** 647
popliteal artery hemodynamics: MR imaging—US correlation, Dousset V; Wehrli FW; Louie A; Listerud J, Radiology 1991; **179:** 437
quantification of vascular stenosis with color Doppler flow imaging: in vitrl investigations, Landwehr P; Schindler R; Heinrich U; Dölken W; Krahe T; Lackner K, Radiology 1991; **178:** 701
renal Doppler sonography in infants and children, Keller MS, Radiology 1989; **172:** 603
ultrasonography. RSNA '89 meeting notes, Merritt CRB; Lawson TL; Cooperberg PL, Radiology 1990; **174:** 604
ultrasonography. RSNA '90 meeting notes, Merritt CRB; Cooperberg PL; Lawson TL, Radiology 1991; **178:** 602
uses and limitations of transthoracic echocardiography in the assessment of atrial septal defect in the adult, (ab), Mehta RH; Helmcke F; Nanda NC; et al, Radiology 1991; **181:** 613
Bone marrow
bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143
bone marrow imaging, Pennes DR; Louis DS; Fechner K, Radiology 1989; **170:** 894
differentiation of bone and bone marrow infarcts from osteomyelitis in sickel cell disorders, Kim HC; Alavi A; Russell MO; et al, Clin Nucl Med 1989; **14:** 249
intraosseous fat necrosis associated with acute pancreatitis: MR imaging, Haller J; Greenway G; Resnick D; Kindynis P; Kang HS, Radiology 1989; **173:** 193
lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209
MR imaging of bone marrow: a map could help, Weinreb JC, Radiology 1990; **177:** 23
pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345
postoperative bone marrow alterations: potential pitfalls in the diagnosis of osteomyelitis with In-111–labeled leukocyte scintigraphy, Seabold JE; Nepola JV; Marsh JL; Hawes DR; Justin EP; Ponto JA; Pettit WA; El-Khoury GY; Kirchner PT, Radiology 1991; **180:** 741
"sub"-super scan—manifestation of bone marrow metastases?, Podoloff DA; Kim EE, Clin Nucl Med 1989; **14:** 597
Bone marrow, biopsy
malignant lymphoma: bone marrow imaging versus biopsy, Linden A; Zankovich R; Theissen P; Diehl V; Schicha H, Radiology 1989; **173:** 335
Bone marrow, CT
fatty replacement of spinal bone marrow due to radiation: demonstration by dual energy quantitative CT and MR imaging, Rosenthal DI; Hayes CW; Rosen B; et al, JCAT 1989; **13:** 463

impact of marrow fat on accuracy of quantitative CT, Glüer C-C; Genant HK, JCAT 1989; **13:** 1023

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

Bone marrow, effects of irradiation on

acute effects of radiation therapy on indium-111-labeled leukocyte uptake in bone marrow, Palestro CJ; Kim CK; Vega A; et al, J Nucl Med 1989; **30:** 1889

bone marrow imaging, Pennes DR; Louis DS; Fechner K, Radiology 1989; **170:** 894

dose to red bone marrow from natural radon and thoron exposure, Richardson RB; Eatough JP; Henshaw DL, Br J Radiol 1991; **64:** 608

early and late bone-marrow changes after irradiation: MR evaluation, Stevens SK; Moore SG; Kaplan ID, AJR 1990; **154:** 745

effect of radiation therapy on thoracic and lumbar bone marrow: evaluation with MR imaging, Yankelevitz DF; Henschke CI; Knapp PH; et al, AJR 1991; **157:** 87

fatty replacement of spinal bone marrow due to radiation: demonstration by dual energy quantitative CT and MR imaging, Rosenthal DI; Hayes CW; Rosen B; et al, JCAT 1989; **13:** 463

gamma-irradiation response of coculitivated bone marrow stromal cell lines of differing intrinsic radiosensitivity, Santucci MA; Fitzgerald TJ; Harigaya K; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1083

Bone marrow, MR

bone marrow disorders: characterization with quantitative MR imaging, Smith SR; Williams CE; Davies JM; Edwards RHT, Radiology 1989; **172:** 805

bone marrow imaging, Pennes DR; Louis DS; Fechner K, Radiology 1989; **170:** 894

bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535

bone marrow scintigraphy and MRI in a patient with osteopetrosis, Otsuka N; Fukunaga M; Ono S; et al, Clin Nucl Med 1991; **16:** 443

bone marrow: ultrasmall superparamagnetic iron oxide for MR imaging, Senéterre E; Weissleder R; Jaramillo D; Reimer P; Lee AS; Brady TJ; Wittenberg J, Radiology 1991; **179:** 529

changes in T_1 relaxation processes in the bone marrow following treatment in children with acute lymphoblastic leukemia: a magnetic resonance imaging study, Jensen KE; Thomsen C; Henriksen O; et al, Pediatr Radiol 1990; **20:** 464

comparison of radiolabeled monoclonal antibody and magnetic resonance imaging in the detection of metastatic neuroblastoma in bone marrow: preliminary results, Fletcher BD; Miraldi FD; Cheung N-KV, Pediatr Radiol 1989; **20:** 72

early and late bone-marrow changes after irradiation: MR evaluation, Stevens SK; Moore SG; Kaplan ID, AJR 1990; **154:** 745

effect of radiation therapy on thoracic and lumbar bone marrow: evaluation with MR imaging, Yankelevitz DF; Henschke CI; Knapp PH; et al, AJR 1991; **157:** 87

epiphyseal marrow in infancy: MR imaging, Jaramillo D; Laor T; Hoffer FA; Zaleske DJ; Cleveland RH; Buchbinder BR; Egglin TK, Radiology 1991; **180:** 809

fatty replacement of spinal bone marrow due to radiation: demonstration by dual energy quantitative CT and MR imaging, Rosenthal DI; Hayes CW; Rosen B; et al, JCAT 1989; **13:** 463

femoral capital osteonecrosis, Higer HP, Radiology 1990; **174:** 282

femoral capital osteonecrosis: MR finding of diffuse marrow abnormalities without focal lesions, Turner DA; Templeton AC; Selzer PM; Rosenberg AG; Petasnick JP, Radiology 1989; **171:** 135

femoral capital osteonecrosis: reply, Turner DA, Radiology 1990; **174:** 282

imaging the bone marrow with magnetic resonance during a crisis and in chronic forms of sickle cell disease, Van Zanten TEG; Stratius Van Eps LW; Golding RP; et al, Clin Radiol 1989; **40:** 486

in vivo measurements of bone marrow cellularity using volume-localized proton NMR spectroscopy, Ballon D; Jakubowski A; Gabrilove J; et al, Magn Res Med 1991; **19:** 85

in vivo measurements of the T1 relaxation processes in the bone marrow in patients with myelodysplastic syndrome: a magnetic resonance imaging study, Jensen KE; Nielsen H; Thomsen C; et al, Acta Radiol 1989; **30:** 365

magnetic resonance imaging and magnetic resonance spectroscopy of bone tumors and bone marrow disease, Lenkinski RE; Listerud J; Shinkwin MA; et al, Invest Radiol 1989; **24:** 1006

magnetic resonance imaging of disseminated bone marrow disease in patients treated for malignancy, Hanna SL; Fletcher BD; Fairclough DL; et al, Skeletal Radiol 1991; **20:** 79

magnetic resonance imaging of the bone marrow in patients with acute leukemia during and after chemotherapy: changes in T1 relaxation, Jensen KE; Sørensen PG; Thomsen C; et al, Acta Radiol 1990; **31:** 361

magnetic susceptibility effects of trabecular bone on magnetic resonance imaging of bone marrow, Rosenthal H; Thulborn KR; Rosenthal DI; et al, Invest Radiol 1990; **25:** 173

malignant lymphoma: bone marrow imaging versus biopsy, Linden A; Zankovich R; Theissen P; Diehl V; Schicha H, Radiology 1989; **173:** 335

marrow conversion before pneumatization of the sphenoid sinus: assessment with MR imaging, Aoki S; Dillon WP; Barkovich AJ; Norman D, Radiology 1989; **172:** 373

MR appearances of bone marrow in children following bone marrow transplantation, Boothroyd AE; Sebag G; Brunelle F, Pediatr Radiol 1991; **21:** 291

MR imaging of bone marrow: a map could help, Weinreb JC, Radiology 1990; **177:** 23

MR imaging of diffuse bone marrow replacement in pediatric patients with cancer, Ruzal-Shapiro C; Berdon WE; Cohen MD; Abramson SJ, Radiology 1991; **181:** 587

MR imaging of pediatric hematologic disorders, Murayama S; Borne JA; Robinson AE; et al, Acta Radiol 1991; **32:** 267

musculoskeletal radiology: RSNA '88 meeting notes, Murphy WA Jr; Dalinka MK; Lodwick GS; Totty WG; Vogler JB III, Radiology 1989; **170:** 913

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; **174:** 915

musculoskeletal radiology: RSNA '90 meeting notes, Murphy WA Jr; Conway WF; De Smet AA; Kaplan PA; Kneeland JB, Radiology 1991; **178:** 914

normal age-related changes in bone marrow in the axial skeleton at MR imaging, Schick RM, Radiology 1991; **179:** 877

normal age-related changes in bone marrow in the axial skeleton at MR imaging: reply, Zerhouni EA; Ricci C, Radiology 1991; **179:** 877

normal age-related patterns of cellular and fatty bone marrow distribution in the axial skeleton: MR imaging study, Ricci C; Cova M; Kang YS; Yang A; Rahmouni A; Scott WW Jr; Zerhouni EA, Radiology 1990; **177:** 83

pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

prolonged T1 relaxation of the hemopoietic bone marrow in patients with chronic leukemia, Jensen KE; Sørensen PG; Thomsen C; et al, Acta Radiol 1990; **31:** 445

proton chemical shift imaging of bone marrow for monitoring therapy in leukemia, Gückel F; Brix G; Semmler W; et al, JCAT 1990; **14:** 954

quantitative study of lumbar vertebral bone marrow using T_1 mapping and image analysis techniques: methodology and preliminary results, Roberts N; Smith SR; Percy DF; et al, Br J Radiol 1991; **64:** 673

red and yellow marrow in the femur: age-related changes in appearance at MR imaging, Moore SG; Dawson KL, Radiology 1990; **175:** 219

role of MRI bone marrow imaging in recurrent lymphoma, Marcuzzi DW; Cohen EK, J Canad Assoc Radiol 1989; **40:** 216

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

systemic bone marrow disorders: characterization with proton chemical shift imaging, Gückel F; Brix G; Semmler W; et al, JCAT 1990; **14:** 633

using MR imaging to probe the pathophysiology of osteonecrosis, Mitchell DG, Radiology 1989; **171:** 25

Bone marrow, radionuclide studies

bone marrow imaging, Pennes DR; Louis DS; Fechner K, Radiology 1989; **170:** 894

bone marrow scintigraphy and MRI in a patient with osteopetrosis, Otsuka N; Fukunaga M; Ono S; et al, Clin Nucl Med 1991; **16:** 443

bone marrow scintigraphy in Paget's disease of bone, Rudberg U; Ahlbäck S-O; Udén R, Acta Radiol 1990; **31:** 141

bone marrow scintigraphy in the diagnosis of post-traumatic avascular necrosis of bone, Tawn DJ; Watt I, Br J Radiol 1989; **62:** 790

comparison of In-111 granulocytes and Tc-99m albumin colloid for bone marrow scintigraphy by the use of quantitative SPECT imaging, Axelsson B; Kalin B; Von Krusenstierna S; et al, Clin Nucl Med 1990; **15:** 473

comparison of radiolabeled monoclonal antibody and magnetic resonance imaging in the detection of metastatic neuroblastoma in bone marrow: preliminary results, Fletcher BD; Miraldi FD; Cheung N-KV, Pediatr Radiol 1989; **20:** 72

dissociation between In-111 chloride and Tc-99m colloid bone marrow scintigraphy in refractory anemia with excess blasts, Itoh H; Kanamori M; Takahashi N, Clin Nucl Med 1990; **15:** 124

femoral capital osteonecrosis, Higer HP, Radiology 1990; **174:** 282

femoral capital osteonecrosis: MR finding of diffuse marrow abnormalities without focal lesions, Turner DA; Templeton AC; Selzer PM; Rosenberg AG; Petasnick JP, Radiology 1989; **171:** 135

femoral capital osteonecrosis: reply, Turner DA, Radiology 1990; **174:** 282

malignant lymphoma: bone marrow imaging versus biopsy, Linden A; Zankovich R; Theissen P; Diehl V; Schicha H, Radiology 1989; **173:** 335

radioimmune imaging of bone marrow in patients with suspected bone metastases from primary breast cancer, Duncker CM; Carrió I; Berná L; et al, J Nucl Med 1990; **31:** 1450

unusual pattern of marrow distribution following treatment of aplastic anemia, Fawcett HD; Sayle BA; Nusynowitz ML; et al, Clin Nucl Med 1989; **14:** 462

using MR imaging to probe the pathophysiology of osteonecrosis, Mitchell DG, Radiology 1989; **171:** 25

Bone marrow, transplantation

16,16-dimethyl prostaglandin E2 and/or syngeneic bone marrow transplantation increase mouse survival after supra-lethal total body irradiation, Berk LB; Patrene KD; Boggs SS, Int J Radiat Oncol Biol Phys 1990; **18:** 1387

bone marrow transplantation: clinical and radiologic aspects, Patzik SB; Smith C; Kubicka RA; Kaizer H, Radiographics 1991; **11:** 601

chest radiograph appearances seen following high dose chemotherapy and autologous bone marrow transplantation for resistant malignant lymphoma, Millard FC; Nakielny RA; Makris M; et al, Br J Radiol 1991; **64:** 103

comparison of two total body irradiation regimens in allogeneic bone marrow transplantation for acute non-lymphoblastic leukemia in first remission, Kim TH; McGlave PB; Ramsay N; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 889

cytomegalovirus is frequency isolated in bronchoalveolar lavage fluid of bone marrow transplant recipients without pneumonia, (ab), Ruutu P; Ruutu T; Volin L; et al, Radiology 1990; **177:** 891

diffuse pulmonary alveolar hemorrhage after bone marrow transplantation: radiographic findings in 39 patients, Witte RJ; Gurney JW; Robbins RA; et al, AJR 1991; **157:** 461

fractionated total body irradiation and bone marrow transplantation in acute lymphoblastic leukemia, Altschuler C; Resbeut M; Blaise D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1151

fungal pulmonary infections after bone marrow transplantation: evaluation with radiography and CT, Mori M; Galvin JR; Barloon TJ; Gingrich RD; Stanford W, Radiology 1991; **178:** 721

gallium-67 uptake in the salivary glands in chronic graft-versus-host disease after bone marrow transplantation, Yamauchi K; Noguchi K; Suzuki Y; et al, Clin Nucl Med 1989; **14:** 330

ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Reed EC; Wolford JL; Kopecky KJ; et al, Radiology 1990; **177:** 296

ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Reed EC; Wolford JL; Kopecky KJ; et al, Radiology 1990; **177:** 595

hepatic function and drug pharmacokinetics after total body irradiation plus bone marrow transplant, Moulder JE; Fish BL; Holcenberg JS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1389

increased lung uptake on technetium-99m-sulfur colloid liver-spleen scans in patients with hepatic venoocclusive disease following bone marrow transplantation, Jacobson AF; Marks MA; Kaplan WD, J Nucl Med 1990; **31:** 372

influence of nephrotoxic drugs on the late renal toxicity associated with bone marrow transplant conditioning regimens, Moulder JE; Fish BL, Int J Radiat Oncol Biol Phys 1991; **20:** 333

intrathoracic complications following allogeneic bone marrow transplantation: CT findings, Graham NJ; Müller NL; Miller RR; Shepherd JD, Radiology 1991; **181:** 153

late tissue-specific toxicity of total body irradiation and busulfan in a murine bone marrow transplant model, Down JD; Berman AJ; Warhol M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 109

late toxicity of total body irradiation with bone marrow transplantation in a rat model, Moulder JE; Fish BL, Int J Radiat Oncol Biol Phys 1989; **16:** 1501

marrow repopulation after bone marrow transplantation, Smith SR; Roberts N; Edwards RHT, Radiology 1991; **178:** 581

MR appearances of bone marrow in children following bone marrow transplantation, Boothroyd AE; Sebag G; Brunelle F, Pediatr Radiol 1991; **21:** 291

physical aspects of total body irradiation of bone marrow transplant patients using 18 MV X rays, Niroomand-Rad A, Int J Radiat Oncol Biol Phys 1991; **20:** 605

pitfalls in multimodality imaging in a patient undergoing evaluation for bone marrow transplantation, Podoloff DA; Kim EE, Clin Nucl Med 1989; **14:** 32

pneumatosis intestinalis in bone-marrow transplantation patients: diagnosis on routine chest radiographs, Bates FT; Gurney JW; Goodman LR; et al, AJR 1989; **152:** 991

repopulation of marrow after transplantation: MR imaging with pathologic correlation, Stevens SK; Moore SG; Amylon MD, Radiology 1990; **175:** 213

role of marrow grafts in irradiation accidents, Thomas ED, Int J Radiat Oncol Biol Phys 1990; **19:** 1289

subclinical pulmonary function defects following autologous and allogeneic bone marrow transplantation: relationship to total body irradiation and graft-versus-host disease, Tait RC; Burnett AK; Robertson AG; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1219

technical modifications in hyperfractionated total body irradiation for T-lymphocyte deplete bone marrow transplant, Lawton CA; Barber-Derus S; Murray KJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 319

technique for delivery of total body irradiation for bone marrow transplantation in adults and adolescents, Breneman JC; Eison HR; Little R; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1233

total body irradiation stand for bone marrow transplant patients, Glasgow GP; Wang S; Stanton J, Int J Radiat Oncol Biol Phys 1989; **16:** 875

total lymphoid irradiation, high-dose chemotherapy and autologous bone marrow transplantation for chemotherapy-resistant Hodgkin's disease, Yahalom J; Gulati S; Shank B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 915

total lymphoid irradiation preceding bone marrow transplantation for chronic myeloid leukaemia, James ND; Apperley JF; Kam KC; et al, Clin Radiol 1989; **40:** 195

transfusion-associated-graft-vs-host disease in a presumed immunocompetent patient, (ab), Arsura EL; Bertelle A; Minkowitz S; et al, Radiology 1989; **170:** 904

transvenous liver biopsy in critically ill patients: adequacy of tissue samples, Lipchik EO; Cohen EB; Mewissen MW, Radiology 1991; **181:** 497

ultrasonographic studies on abdominal complications in patients receiving marrow-ablative chemotherapy and bone marrow or blood stem cell transplantation, Dohmen K; Harada M; Ishibashi H; et al, JCU 1991; **19:** 321

use of CT densitometry to predict lung toxicity in bone marrow transplant patients, El-Khatib EE; Freeman CR; Rybka WB; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 85

Bone neoplasms

58-year-old Vietnamese woman with a 1-month history of an enlarging right infraclavicular mass, Cajade AG; Govoni AF; Chen Y-T, Clin Imag 1990; **14:** 255

benign fibrous histiocytoma involving the ends of long bone, Matsuno T, Skeletal Radiol 1990; **19:** 561

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415

case of the month: the jockey with a mass in the thigh, Davies AM; Evans N; Grimer RJ, Br J Radiol 1989; **62:** 183

case report 503, Wuisman P; Roessner A; Härle A; et al, Skeletal Radiol 1989; **17:** 592

case report 517, Tehranzadeh J; Fanney D; Ghandur-Mnaymneh L; et al, Skeletal Radiol 1989; **17:** 614

case report 518, Rubenstein DJ; Harkavy L; Glantz L, Skeletal Radiol 1989; **18:** 47

case report 520, Martinez-Tello FJ; Marcos-Robles J; Blanco-Lorenzo F, Skeletal Radiol 1989; **18:** 55

case report 544, Resnik CS; Young JWR; Levine AM; et al, Skeletal Radiol 1989; **18:** 303

case report 596, Cervilla V; Haghighi P; Resnick D; et al, Skeletal Radiol 1990; **19:** 135

case report 622, Liu S-K; Thacher C, Skeletal Radiol 1990; **19:** 383

case report 634, Hopper KD; Haseman DB; Moser RP Jr; et al, Skeletal Radiol 1990; **19:** 535

case report 635, Abdelwahab IF; Hermann G; Klein MJ; et al, Skeletal Radiol 1990; **19:** 539

case report 645, Ribalta T; Shannon RL; Ro JY; et al, Skeletal Radiol 1990; **19:** 616

case report 652, Kenan S; Lewis MM; Abdelwahab IF; et al, Skeletal Radiol 1991; **20:** 73

case report 663, Resendes M; Parker BR; Kempson RL; et al, Skeletal Radiol 1991; **20:** 222

case report 673, Liu S-K; Thacher C, Skeletal Radiol 1991; **20:** 311

case report 674, Corres J; Morales A; Saban J; et al, Skeletal Radiol 1991; **20:** 315

case report 675, Ehara S; Tokunaga S; Monma N; et al, Skeletal Radiol 1991; **20:** 319

case report 689, Moran C; Braunstein EM; Ulbright T; et al, Skeletal Radiol 1991; **20:** 465

chondrosarcoma, Chew FS; Disler DG, AJR 1991; **156:** 1016

clear cell chondrosarcoma of bone: a report of 8 cases, Present D; Bacchini P; Pignatti G; et al, Skeletal Radiol 1991; **20:** 187

clinical and radiologic analysis of 13 cases of primary neuroectodermal tumors of bone, Rousselin B; Vanel D; Terrier-Lacombe MJ; et al, Skeletal Radiol 1989; **18:** 115

CT of malignant melanoma in the chest, abdomen, and musculoskeletal system, Fishman EK; Kuhlman JE; Schuchter LM; Miller JA III; Magid D, Radiographics 1990; **10:** 603

effect of local extent of the tumor on prognosis in osteosarcoma, (ab), Spanier SS; Shuster JJ; Vander Griend RA, Radiology 1991; **178:** 295

epiphyseal involvement in osteosarcoma, Norton KI; Hermann G; Abdelwahab IF; Klein MJ; Granowetter LF; Rabinowitz JG, Radiology 1991; **180:** 813

fibromyxoma of bone, Abdelwahab IF; Hermann G; Klein MJ; et al, Skeletal Radiol 1991; **20:** 95

fluid-fluid level: a nonspecific finding in tumors of bone and soft tissue, Tsai JC; Dalinka MK; Fallon MD; Zlatkin MB; Kressel HY, Radiology 1990; **175:** 779

from the archives of the AFIP: giant cell tumor of the upper extremity, Moser RP Jr; Kransdorf MJ; Gilkey FW; Manaster BJ, Radiographics 1990; **10:** 83

giant cell tumor of the scapula: a review of 13 cases, Aoki J; Moser RP Jr; Vinh TN, Skeletal Radiol 1989; **18:** 427

giant-cell tumor of the sphenoid bone: case report and review of the literature, Kioumehr F; Rooholamini SA; Yaghmai I; et al, J Canad Assoc Radiol 1990; **41:** 155

human pharmacokinetics of samarium-153 EDTMP in metastatic cancer, Singh A; Holmes RA; Farhangi M; et al, J Nucl Med 1989; **30:** 1814

"ink blot" bone imaging in metastatic osteogenic sarcoma, Spencer RP, Clin Nucl Med 1989; **14:** 848

management of bone tumours---the radiologist's role, Stoker DJ, Clin Radiol 1989; **40:** 233

MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; **11:** 401

MR imaging of periosteal and cortical changes of bone, Greenfield GB; Warren DL; Clark RA, Radiographics 1991; **11:** 611

MR imaging of periosteal and cortical changes of bone: authors' response, Greenfield GB, Radiographics 1991; **11:** 624

MR imaging of periosteal and cortical changes of bone: invited commentary, Hudson TM, Radiographics 1991; **11:** 624

multiple giant cell tumors and Paget disease of bone: radiographic and clinical correlations, Potter HG; Schneider R; Ghelman B; Healey JH; Lane JM, Radiology 1991; **180:** 261

muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, Hanna SL; Fletcher BD; Parham DM; Bugg MF, JMRI 1991; **1:** 441

musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Fletcher BD; Hanna SL, Radiology 1990; **177:** 287

musculoskeletal neoplasms: dynamic Gd-DTPA–enhanced MR imaging: reply, Erlemann R, Radiology 1990; 177: 288

musculoskeletal neoplasms: static and dynamic Gd-DTPA–enhanced MR imaging, Erlemann R; Reiser MF; Peters PE; Vasallo P; Nommensen B; Kusnierz-Glaz CR; Ritter J; Roessner A, Radiology 1989; 171: 767

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; 174: 915

musculoskeletal radiology: RSNA '90 meeting notes, Murphy WA Jr; Conway WF; De Smet AA; Kaplan PA; Kneeland JB, Radiology 1991; 178: 914

osteoid osteoma of the elbow: a review of six cases, Moser RP Jr; Kransdorf MJ; Brower AC; et al, Skeletal Radiol 1990; 19: 181

osteosarcoma: angiographic assessment of response to preoperative chemotherapy, Carrasco CH; Charnsangavej C; Raymond AK; Richli WR; Wallace S; Chawla SP; Ayala AG; Murray JA; Benjamin RS, Radiology 1989; 170: 839

osteosarcomatosis, Hopper KD; Moser RP Jr; Haseman DB; Sweet DE; Madewell JE; Kransdorf MJ, Radiology 1990; 175: 233

percutaneous intralesional brushing of cystic lesions of bone: a technical improvement of diagnostic cytology, Iaccarino V; Sadile F; Vetrani A; et al, Skeletal Radiol 1990; 19: 187

percutaneous removal of osteoid osteomas using CT control, Doyle T; King K, Clin Radiol 1989; 40: 514

primary non-Hodgkins lymphoma of bone (case report), Burmeister BH; Benjamin CS, Australas Radiol 1989; 33: 165

radiologic concepts of lymphoma of bone, Edeiken-Monroe B; Edeiken J; Kim EE, Radiol Clin North Am 1990; 28: 841

radiostrontium-induced oncogenesis and the role of immunosuppression: I. influence of ^{90}Sr dose, adult thymectomy and antilymphocyteglobulin treatment on the development of neoplastic and preneoplastic lesions in the skeleton of CBA mice, Bierke P; Nilsson A, Acta Oncol 1989; 28: 87

recurring osteoblastoma initially presenting as a typical osteoid osteoma: report of two cases, Bettelli G; Tigani D; Picci P, Skeletal Radiol 1991; 20: 1

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; 175: 791

role of imaging in musculoskeletal tumors, Manaster BJ; Ensign MF, Semin US CT MR 1989; 10: 498

sarcoma in Paget disease of bone: clinical, radiologic, and pathologic features in 22 cases, Moore TE; King AR; Kathol MH; et al, AJR 1991; 156: 1199

skeletal lymphoma, Franczyk J; Samuels T; Rubenstein J; et al, J Canad Assoc Radiol 1989; 40: 75

transarticular invasion of joints by bone tumors: hypothesis, Abdelwahab IF; Miller TT; Hermann G; et al, Skeletal Radiol 1991; 20: 279

Bone neoplasms, angiography

osteosarcoma: angiographic assessment of response to preoperative chemotherapy, Carrasco CH; Charnsangavej C; Raymond AK; Richli WR; Wallace S; Chawla SP; Ayala AG; Murray JA; Benjamin RS, Radiology 1989; 170: 839

Bone neoplasms, CT

comparison of CT and MR imaging in musculoskeletal neoplasms, Tehranzadeh J; Mnaymneh W; Ghavam C; et al, JCAT 1989; 13: 466

computed tomography fluid–fluid level in bone metastasis, Lum PA; Davis MJ; Orizaga M, J Canad Assoc Radiol 1990; 41: 296

cross-sectional imaging in the evaluation of osteogenic sarcoma: MRI and CT, Seeger LL; Eckardt JJ; Bassett LW, Semin Roentgenol 1989; 24: 174

detection of local recurrent disease in musculoskeletal tumors: magnetic resonance imaging versus computed tomography, Reuther G; Mutschler W, Skeletal Radiol 1990; 19: 85

false-negative bone scan in extensive metastatic disease: CT and MR findings, Mehta RC; Wilson MA; Perlman SB, JCAT 1989; 13: 717

from the archives of the AFIP: osteoid osteoma, Kransdorf MJ; Stull MA; Gilkey FW; Moser RP Jr, Radiographics 1991; 11: 671

hemangioendothelioma of bone: CT findings, Merine DS; Fishman EK, JCAT 1989; 13: 1098

Kaposi sarcoma involving bone: CT demonstration in a patient with AIDS, Meyers SA; Kuhlman JE; Fishman EK, JCAT 1990; 14: 161

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; 172: 811

preoperative localization of osteoid osteoma: a new technique that uses CT, Steinberg GG; Coumas JM; Breen T, AJR 1990; 155: 883

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; 177: 837

Bone neoplasms, diagnosis

aspiration biopsy of primary neoplasms of bone, (ab), Dollahite HA; Tatum L; Moinuddin SM; et al, Radiology 1990; 174: 902

bone scans with one or two new abnormalities in cancer patients with no known metastases: reliability of interpretation of initial correlative radiographs, Jacobson AF; Stomper PC; Cronin EB; Kaplan WD, Radiology 1990; 174: 503

desmoplastic fibroma of bone: radiographic analysis, Crim JR; Gold RH; Mirra JM; Eckardt JJ; Bassett LW, Radiology 1989; 172: 827

fibrous lesions of bones, Kumar R; Madewell JE; Lindell MM; Swischuk LE, Radiographics 1990; 10: 237

fine-needle aspiration of bone lesions, Bennett JD; Yacyshyn BJ; Haddad RC; et al, J Canad Assoc Radiol 1990; 41: 65

osteoblastoma: clinical and radiologic findings in 98 new cases, Kroon HM; Schurmans J, Radiology 1990; 175: 783

osteosarcoma and the role of fine-needle aspiration: a study of 51 cases, (ab), White VA; Fanning CV; Ayala AG; et al, Radiology 1989; 171: 590

osteosarcoma: interventional radiology in diagnosis and management, Carrasco CH; Charnsangavej C; Richli WR; et al, Semin Roentgenol 1989; 24: 193

Bone neoplasms, metastases

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; 11: 415

case report 657, McLennan MK, Skeletal Radiol 1991; 20: 141

cortical bone metastases, Hendrix RW; Rogers LF; Davis TM Jr, Radiology 1991; 181: 409

extraskeletal osteosarcoma: a clinicopathologic review of 26 cases, (ab), Bane BL; Evans HL; Ro JY; et al, Radiology 1990; 177: 896

hypertrophic osteoarthropathy caused by lung metastasis of an osteosarcoma, Flueckiger F; Fotter R; Hausegger K; et al, Pediatr Radiol 1989; 20: 128

intradural metastases of chordoma, Krol G; Sze G; Arbit E; et al, AJNR 1989; 10: 193

osteosarcoma—presumed lymph node metastases in two cases, English R; Dicks-Mireaux C; Malone M; et al, Skeletal Radiol 1989; 18: 289

osteosarcomatosis, Hopper KD; Moser RP Jr; Haseman DB; Sweet DE; Madewell JE; Kransdorf MJ, Radiology 1990; 175: 233

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; 177: 837

Bone neoplasms, MR

combined MR imaging and spectroscopy of bone and soft tissue tumors, Zlatkin MB; Lenkinski RE; Shinkwin M; et al, JCAT 1990; 14: 1

comparison of CT and MR imaging in musculoskeletal neoplasms, Tehranzadeh J; Mnaymneh W; Ghavam C; et al, JCAT 1989; 13: 466

comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; 179: 247

cross-sectional imaging in the evaluation of osteogenic sarcoma: MRI and CT, Seeger LL; Eckardt JJ; Bassett LW, Semin Roentgenol 1989; 24: 174

detection of local recurrent disease in musculoskeletal tumors: magnetic resonance imaging versus computed tomography, Reuther G; Mutschler W, Skeletal Radiol 1990; 19: 85

detection of malignant bone tumors: MR imaging vs scintigraphy, Frank JA; Ling A; Patronas NJ; et al, AJR 1990; 155: 1043

false-negative bone scan in extensive metastatic disease: CT and MR findings, Mehta RC; Wilson MA; Perlman SB, JCAT 1989; 13: 717

from the archives of the AFIP: osteoid osteoma, Kransdorf MJ; Stull MA; Gilkey FW; Moser RP Jr, Radiographics 1991; 11: 671

low field (0.02 T) magnetic resonance imaging of bone and soft tissue tumors, Ekelund L; Toolanen G, Skeletal Radiol 1989; 18: 585

magnetic resonance imaging and magnetic resonance spectroscopy of bone tumors and bone marrow disease, Lenkinski RE; Listerud J; Shinkwin MA; et al, Invest Radiol 1989; 24: 1006

magnetic resonance imaging: comparison of four pulse sequences in assessing primary bone tumours, Graif M; Pennock JM; Pringle J; et al, Skeletal Radiol 1989; 18: 439

MRI in primary bone tumors: therapeutic implications, Golfieri R; Baddeley H; Pringle JS; et al, Eur J Radiol 1991; 12: 201

MR imaging findings in patients with bone-chip allografts, Jelinek JS; Kransdorf MJ; Moser RP; et al, AJR 1990; 155: 1257

MR imaging of diffuse bone marrow replacement in pediatric patients with cancer, Ruzal-Shapiro C; Berdon WE; Cohen MD; Abramson SJ, Radiology 1991; 181: 587

MR imaging of transarticular skip metastases from distal femoral osteosarcoma, Wetzel LH; Schweiger GD; Levine E, JCAT 1990; 14: 315

MR imaging of tumor and tumorlike lesions of bone and soft tissue, Sundaram M; McLeod RA, AJR 1990; 155: 817

muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, Hanna SL; Fletcher BD; Parham DM; Bugg MF, JMRI 1991; 1: 441

musculoskeletal neoplasms after intraarterial chemotherapy: correlation of MR images with pathologic specimens, Sanchez RB; Quinn SF; Walling A; Estrada J; Greenberg H, Radiology 1990; 174: 237

musculoskeletal neoplasms: fast low-angle shot MR imaging with and without Gd-DTPA, Erlemann R; Vassallo P; Bongartz G; Müller-Miny H; Rummeny E; Stöber U; Peters PE, Radiology 1990; 176: 489

myxoid liposarcoma: magnetic resonance imaging appearances with clinical and histological correlation, Sundaram M; Baran G; Merenda G; et al, Skeletal Radiol 1990; 19: 359

negative scintigraphy with positive magnetic resonance imaging in bone metastases, Kattapuram SV; Khurana JS; Scott JA; et al, Skeletal Radiol 1990; 19: 113

osteosarcoma: MR imaging after preoperative chemotherapy, Pan G; Raymond AK; Carrasco CH; Wallace S; Kim EE; Shirkhoda A; Jaffe N; Murray JA; Benjamin RS, Radiology 1990; 174: 517

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811

pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345

preoperative evaluation of osteosarcoma: value of gadopentetate dimeglumine-enhanced MR imaging, Seeger LL; Widoff BE; Bassett LW; et al, AJR 1991; **157:** 347

primary bone tumors: MR morphologic appearance correlated with pathologic examinations, Golfieri R; Baddeley H; Pringle JS; et al, Acta Radiol 1991; **32:** 290

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

role of the STIR sequence in magnetic resonance imaging examination of bone tumours, Golfieri R; Baddeley H; Pringle JS; et al, Br J Radiol 1990; **63:** 251

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

use of magnetic resonance imaging in the evaluation of bone and soft-tissue tumors, Dalinka MK; Zlatkin MB; Chao P; et al, Radiol Clin North Am 1990; **28:** 461

Bone neoplasms, radionuclide studies

bone scan of recurrent colon carcinoma involving the sacrum and urinary bladder, Stewart CA; Siegel ME; Nafis WA; et al, Clin Nucl Med 1990; **15:** 513

bone scans with one or two new abnormalities in cancer patients with no known metastases: reliability of interpretation of initial correlative radiographs, Jacobson AF; Stomper PC; Cronin EB; Kaplan WD, Radiology 1990; **174:** 503

bone scintigraphy in pleural metastases of osteogenic sarcoma, Palestro CJ; Styles ST; Kim CK; et al, Clin Nucl Med 1990; **15:** 346

bone SPECT and three-dimensional surface display with Tc-99m MDP in ameloblastoma, Ishimura J; Fukuchi M, Clin Nucl Med 1990; **15:** 844

brown tumor of bone: a potential source of false-positive thallium-201 localization, Yang CJC; Seabold JE; Gurll NJ, J Nucl Med 1989; **30:** 1264

case report: malignant fibrous histiocytoma: etiology for a cold defect on technetium-99m-methylene diphosphonate bone scan, Sanders TG; Wilf LH; Northup HM, J Nucl Med 1990; **31:** 1104

clinical and clinicopathologic response of canine bone tumor patients to treatment with samarium-153-EDTMP, Lattimer JC; Corwin LA Jr; Stapleton J; et al, J Nucl Med 1990; **31:** 1316

clinical radionuclide bone imaging, Holder LE, Radiology 1990; **176:** 607

detection of malignant bone tumors: MR imaging vs scintigraphy, Frank JA; Ling A; Patronas NJ; et al, AJR 1990; **155:** 1043

differential diagnosis of benign and malignant bony lesions in bone scanning: using the ratio of radiouptake at different times, Guan S-I; Chu L-S; Hwang W-S; et al, Clin Nucl Med 1990; **15:** 424

F-18 fluorodeoxyglucose: its potential in differentiating between stress fracture and neoplasia, Paul R; Ahonen A; Virtama P; et al, Clin Nucl Med 1989; **14:** 906

from the archives of the AFIP: osteoid osteoma, Kransdorf MJ; Stull MA; Gilkey FW; Moser RP Jr, Radiographics 1991; **11:** 671

metastatic neuroblastoma: new abnormalities on bone scintigraphy may not indicate tumour recurrence, Hall-Craggs MA; Shaw D; Pritchard J; et al, Skeletal Radiol 1990; **19:** 33

minimal bone scan findings in the presence of wide-spread osteoblastic disease on skeletal radiography, Silberstein EB; Schroder LE, Clin Nucl Med 1990; **15:** 816

multicentric giant cell tumor of bone, Williams HT, Clin Nucl Med 1989; **14:** 631

negative scintigraphy with positive magnetic resonance imaging in bone metastases, Kattapuram SV; Khurana JS; Scott JA; et al, Skeletal Radiol 1990; **19:** 113

noninvasive grading of musculoskeletal tumors using PET, Adler LP; Blair HF; Makley JT; et al, J Nucl Med 1991; **32:** 1508

primary Ewing sarcoma: follow-up with Ga-67 scintigraphy, Estes DN; Magill HL; Thompson EI; Hayes FA, Radiology 1990; **177:** 449

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

role of bone scanning in detection of subclinical bone metastasis in nasopharyngeal carcinoma, Sham JST; Tong CM; Choy D; et al, Clin Nucl Med 1991; **16:** 27

role of radionuclides in the patient with osteogenic sarcoma, Brown ML, Semin Roentgenol 1989; **24:** 185

scintigraphic evaluation of tumor regression during preoperative chemotherapy of osteosarcoma: correlation of ^{99m}Tc-methylene diphosphonate parametric imaging with surgical histopathology, Knop J; Delling G; Heise U; et al, Skeletal Radiol 1990; **19:** 165

serum osteocalcin measurements in prostate carcinoma patients with skeletal deposits shown by bone scintigram: comparison with serum PSA/PAP measurements, Shih W-J; Wierzbinski B; Collins J; et al, J Nucl Med 1990; **31:** 1486

skeletal assessment in neuroblastoma—the pitfalls of iodine-123-MIBG scans, Gordon I; Peters AM; Gutman A; et al, J Nucl Med 1990; **31:** 129

staging bone scintigraphy in nasopharyngeal carcinoma, Leung SF; Stewart IET; Tsao SY; et al, Clin Radiol 1991; **43:** 314

strontium-89: treatment results and kinetics in patients with painful metastatic prostate and breast cancer in bone, Robinson RG; Blake GM; Preston DF; McEwan AJ; Spicer JA; Martin NL; Wegst AV; Ackery DM, Radiographics 1989; **9:** 271

"sub"-super scan—manifestation of bone marrow metastases?, Podoloff DA; Kim EE, Clin Nucl Med 1989; **14:** 597

thallium-201 scintigraphy in bone sarcoma: comparison with gallium-67 and technetium-MDP in the evaluation of chemotherapeutic response, Ramanna L; Waxman A; Binney G; et al, J Nucl Med 1990; **31:** 567

two unusual cases of metastatic osteosarcoma detected by Tc-99m MDP bone scintigraphy, Heinle A; Carrasquillo JA; Neumann RD, Clin Nucl Med 1989; **14:** 889

use of SPECT in the diagnosis of epiphyseal osteoid osteoma, Murray IPC; Rossleigh MA; Van der Wall H, Clin Nucl Med 1989; **14:** 811

Bone neoplasms, secondary

association between number and sites of new bone scan abnormalities and presence of skeletal metastases in patients with breast cancer, Jacobson AF; Stomper PC; Jochelson MS; et al, J Nucl Med 1990; **31:** 387

bone metastases from Ewing's sarcoma radiologically recapitulate the features of a primary Ewing's tumour, Plowman PN, Clin Radiol 1989; **40:** 498

bone scan of recurrent colon carcinoma involving the sacrum and urinary bladder, Stewart CA; Siegel ME; Nafis WA; et al, Clin Nucl Med 1990; **15:** 513

bone scans with one or two new abnormalities in cancer patients with no known metastases: reliability of interpretation of initial correlative radiographs, Jacobson AF; Stomper PC; Cronin EB; Kaplan WD, Radiology 1990; **174:** 503

bone scans with one or two new abnormalities in cancer patients with no known metastases: frequency and serial scintigraphic behavior of benign and malignant lesions, Jacobson AF; Cronin EB; Stomper PC; Kaplan WD, Radiology 1990; **175:** 229

bone secondaries in breast cancer: the solitary metastasis, Boxer DI; Todd CEC; Coleman R; et al, J Nucl Med 1989; **30:** 1318

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415

case report 659, Silverman JM, Skeletal Radiol 1991; **20:** 149

computed tomography fluid–fluid level in bone metastasis, Lum PA; Davis MJ; Orizaga M, J Canad Assoc Radiol 1990; **41:** 296

conventional radiograms for assessment of salm-calcitonin therapy for bone metastases from breast carcinoma, Geyer J; Quadt C; Perlick E; et al, Eur J Radiol 1991; **12:** 124

extra-CNS metastases of glioblastoma: CT and MR studies, Trattnig S; Schindler E; Ungersböck K; et al, JCAT 1990; **14:** 294

extraosseus uptake with bone scintigraphy: renal mesenchymal chondrosarcoma with metastasis, Karanauskas S; Wells RG; Sty JR, Clin Nucl Med 1991; **16:** 375

glioblastoma multiforme presenting as osteoblastic metastatic disease: case report and review of the literature, Myers TV; Egelhoff J; Myers ME, AJNR 1990; **11:** 802

incidental bone metastasis seen on gastrointestinal bleeding scan with technetium-99m albumin colloid, Gore RL; Delaplain CB; Stotler RE, Clin Nucl Med 1990; **15:** 348

incidental skeletal metastases detected by Tc-99m HMPAO leukocyte scanning, Powe JE; Babensee S; Pavlosky WF; et al, Clin Nucl Med 1990; **15:** 656

incidental skeletal metastases from prostate cancer detected by sulfur colloid liver-spleen imaging, Koci TM; Renslo R; Marcus CS, Clin Nucl Med 1989; **14:** 225

integrated approach to the evaluation of metastatic bone disease, Gold RH; Seeger LL; Bassett LW; et al, Radiol Clin North Am 1990; **28:** 471

late presentation of bone metastases in phaeochromocytoma, Zammit-Maempel I; Johnson RJ; Gattamaneni HR, Br J Radiol 1991; **64:** 369

metastases from malignant melanoma to the axial skeleton: a CT study of frequency and appearance, Patten RM; Shuman WP; Teefey S, AJR 1990; **155:** 109

metastases to bone in medulloblastoma: a report of five cases, Vieco PT; Azouz EM; Hoeffel J-C, Skeletal Radiol 1989; **18:** 445

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111-labeled F(ab')$_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147

minimal bone scan findings in the presence of wide-spread osteoblastic disease on skeletal radiography, Silberstein EB; Schroder LE, Clin Nucl Med 1990; **15:** 816

multiple bone metastases in a patient with glioblastoma multiforme, Haddon M; Slavin JD; Spencer RP, Clin Nucl Med 1989; **14:** 13

nasopharyngeal carcinoma: pattern of skeletal metastases, Sham JST; Cheung YK; Chan FL; et al, Br J Radiol 1990; **63:** 202

osseous metastases from hepatocellular carcinoma: embolization for pain control, Nagata Y; Nakano Y; Abe M; et al, Cardiovasc Intervent Radiol 1989; **12:** 149

osteosarcomatosis, Hopper KD; Moser RP Jr; Haseman DB; Sweet DE; Madewell JE; Kransdorf MJ, Radiology 1990; **175:** 233

osteosarcoma with isolated metastases to the pleura, Shanley DJ; Mulligan ME, Pediatr Radiol 1991; **21:** 226

radioimmune imaging of bone marrow in patients with suspected bone metastases from primary breast cancer, Duncker CM; Carrió I; Berná L; et al, J Nucl Med 1990; **31:** 1450

Re-186(Sn) HEDP for treatment of painful osseous metastases: initial clinical experience in 20 patients with hormone-resistant prostate cancer, Maxon HR III; Schroder LE; Thomas SR; Hertzberg VS; Deutsch EA; Scher HI; Samaratunga RC; Libson KF; Williams CC; Moulton JS; Schneider HJ, Radiology 1990; **176:** 155

reduced incidence of bone metastases in irradiated areas after external radiation therapy of prostatic carcinoma, Jacobsson H; Näslund I, Int J Radiat Oncol Biol Phys 1991; **20:** 1297

role of bone scanning in detection of subclinical bone metastasis in nasopharyngeal carcinoma, Sham JST; Tong CM; Choy D; et al, Clin Nucl Med 1991; **16:** 27

spontaneous regression of multiple bone metastases in malignant melanoma, O'Connell MEA; Powell BWEM; O'Connell JM; et al, Br J Radiol 1989; **62:** 1095

strontium-89: treatment results and kinetics in patients with painful metastatic prostate and breast cancer in bone, Robinson RG; Blake GM; Preston DF; McEwan AJ; Spicer JA; Martin NL; Wegst AV; Ackery DM, Radiographics 1989; **9:** 271

Bone neoplasms, staging

MRI in primary bone tumors: therapeutic implications, Golfieri R; Baddeley H; Pringle JS; et al, Eur J Radiol 1991; **12:** 201

staging bone scintigraphy in nasopharyngeal carcinoma, Leung SF; Stewart IET; Tsao SY; et al, Clin Radiol 1991; **43:** 314

Bone neoplasms, therapeutic radiology

combined therapy of localized Ewing's sarcoma of bone: analysis of results in 100 patients, Barbieri E; Emiliani E; Zini G; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1165

half body irradiation for the palliation of bone metastases, Burmeister BH; Probert JC, Australas Radiol 1990; **34:** 317

radiation therapy in the treatment of difficult giant cell tumors, Schwartz LH; Okunieff PG; Rosenberg A; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1085

radiotherapy prior to cortical allograft limb sparing in dogs with osteosarcoma: a dose response assay, Thrall DE; Withrow SJ; Powers BE; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1351

Re-186(Sn) HEDP for treatment of painful osseous metastases: initial clinical experience in 20 patients with hormone-resistant prostate cancer, Maxon HR III; Schroder LE; Thomas SR; Hertzberg VS; Deutsch EA; Scher HI; Samaratunga RC; Libson KF; Williams CC; Moulton JS; Schneider HJ, Radiology 1990; **176:** 155

reduced incidence of bone metastases in irradiated areas after external radiation therapy of prostatic carcinoma, Jacobsson H; Näslund I, Int J Radiat Oncol Biol Phys 1991; **20:** 1297

solitary plasmacytoma of bone: Mayo Clinic experience, Frassica DA; Frassica FJ; Schray MF; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 43

Bone neoplasms, therapy

conventional radiograms for assessment of salm-calcitonin therapy for bone metastases from breast carcinoma, Geyer J; Quadt C; Perlick E; et al, Eur J Radiol 1991; **12:** 124

intercalary bone allografts: radiographic evaluation, Kattapuram SV; Phillips WC; Mankin HJ, Radiology 1989; **170:** 137

long-term follow-up of Ewing's sarcoma of bone treated with combined modality therapy, Kinsella TJ; Miser JS; Waller B; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 389

musculoskeletal neoplasms after intraarterial chemotherapy: correlation of MR images with pathologic specimens, Sanchez RB; Quinn SF; Walling A; Estrada J; Greenberg H, Radiology 1990; **174:** 237

osteosarcoma: angiographic assessment of response to preoperative chemotherapy, Carrasco CH; Charnsangavej C; Raymond AK; Richli WR; Wallace S; Chawla SP; Ayala AG; Murray JA; Benjamin RS, Radiology 1989; **170:** 839

osteosarcoma: MR imaging after preoperative chemotherapy, Pan G; Raymond AK; Carrasco CH; Wallace S; Kim EE; Shirkhoda A; Jaffe N; Murray JA; Benjamin RS, Radiology 1990; **174:** 517

percutaneous transcatheter arterial embolization of bone and soft tissue tumors, Rossi C; Ricci S; Boriani S; et al, Skeletal Radiol 1990; **19:** 555

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

thallium-201 scintigraphy in bone sarcoma: comparison with gallium-67 and technetium-MDP in the evaluation of chemotherapeutic response, Ramanna L; Waxman A; Binney G; et al, J Nucl Med 1990; **31:** 567

value of MR imaging in monitoring the effect of chemotherapy on bone sarcomas, Holscher HC; Bloem JL; Nooy MA; et al, AJR 1990; **154:** 763

Bones

See also under names of individual bones

composition of body tissues: (II) fetus to young adult, White DR; Widdowson EM; Woodard HQ; et al, Br J Radiol 1991; **64:** 149

hemodialysis-related amyloidomas of bone, Ross LV; Ross GJ; Mesgarzadeh M; Edmonds PR; Bonakdarpour A, Radiology 1991; **178:** 263

nondisease, Ozonoff MB, Radiology 1990; **174:** 840

Bones, abnormalities

arthropathy of Down syndrome, (ab), Olson JC; Bender JC; Levinson JE; et al, Radiology 1991; **179:** 888

bone island (enostosis): clinical significance and radiologic and pathologic correlations, Greenspan A; Steiner G; Knutzon R, Skeletal Radiol 1991; **20:** 85

campomelic syndrome: experimental models and pathomechanism, Roth M, Pediatr Radiol 1991; **21:** 220

cardiac tumor in Gorlin syndrome: nevoid basal cell carcinoma syndrome, Herman TE; Siegel MJ; McAlister WH, Pediatr Radiol 1991; **21:** 234

C.T. findings in the Hajdu-Cheney syndrome, Pellegrini V; Widdowson DJ, Pediatr Radiol 1991; **21:** 304

diagnostic imaging of bone and joint abnormalities associated with sickle cell hemoglobinopathies, Sebes JI, AJR 1989; **152:** 1153

drug-induced lesions of the musculoskeletal system, Lawson JP, Radiol Clin North Am 1990; **28:** 233

hand-foot-genital syndrome: the importance of hallux varus, Cleveland RH; Holmes LB, Pediatr Radiol 1990; **20:** 339

late osteoarticular lesions following meningococcemia with disseminated intravascular coagulation, Santos E; Boavida JE; Barroso A; et al, Pediatr Radiol 1989; **19:** 199

multiple bone islands in a skeleton dating from the neolithic period, Lagier R; Kramar C; Baud CA, Eur J Radiol 1989; **9:** 81

new syndrome with cerebro-oculo-skeletal-renal involvement, Silengo MC; Lerone M; Pelizza A; et al, Pediatr Radiol 1990; **20:** 612

osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; **177:** 77

progeria syndrome with characteristic deformation of proximal radius observed on CT, Sood S; Rao RCK; Ragav B; et al, Acta Radiol 1991; **32:** 67

prophylaxis with indomethacin for heterotopic bone. after open reduction of fractures of the acetabulum, (ab), McLaren AC, Radiology 1990; **176:** 884

radiographic features of bone lengthening procedures, Vade A; Eissenstat R, Radiology 1990; **174:** 531

radiologic assessment of bones after Ilizarov procedures, Young JWR; Kovelman H; Resnik CS; Paley D, Radiology 1990; **177:** 89

role of ultrasound in the early diagnosis and management of heterotopic bone formation, Thomas EA; Cassar-Pullicino VN; McCall IW, Clin Radiol 1991; **43:** 190

sickle-shaped scapulae in a patient with the Pierre Robin syndrome, Bezirdjian DR; Szucs R, Br J Radiol 1989; **62:** 171

spectrum of skeletal anomalies associated with pulmonary agenesis: possible neural crest injuries, Osborne J; Masel J; McCredie J, Pediatr Radiol 1989; **19:** 425

thin ribs, thin tubular bones, abnormal facies and intrauterine growth retardation: a lethal syndrome, Sharma BK; Kapoor R; Ramji S; et al, Br J Radiol 1990; **63:** 654

unusual long bone changes in thalassaemia: findings on plain radiography and computed tomography, Singcharoen T, Br J Radiol 1989; **62:** 168

Wolf syndrome, Katz DS; Smith TH, Pediatr Radiol 1991; **21:** 369

Bones, absorptiometry

accuracy of dual-energy radiographic absorptiometry of the lumbar spine: cadaver study, Ho CP; Kim RW; Schaffler MB; Sartoris DJ, Radiology 1990; **176:** 171

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

appropriate use of bone densitometry, Genant HK; Block JE; Steiger P; Glüer C-C; Ettinger B; Harris ST, Radiology 1989; **170:** 817

axial bone density in rheumatoid arthritis: comparison of dual-energy projection radiography and dual-photon absorptiometry, O'Malley M; Kenrick AJ; Sartoris DJ; Hochberg AM; Weisman MH; Ramos E; Zvaifler N; Resnick D, Radiology 1989; **170:** 501

body composition by intercomparison of underwater weighing, skinfold measurements and dual-photon absorptiometry, Verlooy H; Dequeker J; Geusens P; et al, Br J Radiol 1991; **64:** 765

bone densitometry of the peripheral skeleton with a new photon counting and imaging device, Angelini F; Bellazzini R; Brez A; et al, Invest Radiol 1989; **24:** 684

bone mass in healthy children: measurement with quantitative DXA, Southard RN; Morris JD; Mahan JD; Hayes JR; Torch MA; Sommer A; Zipf WB, Radiology 1991; **179:** 735

bone mineral content in black pre-schoolers: normative data using single photon absorptiometry, Laraque D; Arena L; Karp J; et al, Pediatr Radiol 1990; **20:** 461

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

computed tomography-osteoabsorptiometry for assessing the density distribution of subchondral bone as a measure of long-term mechanical adaptation in individual joints, Müller-Gerbl M; Putz R; Hodapp N; et al, Skeletal Radiol 1989; **18:** 507

DPA technique for simultaneously measuring bone, soft tissue, and fat content, Goodsitt MM; Murano R; Richardson ML, Invest Radiol 1989; **24:** 762

dual-energy radiographic absorptiometry for bone densitometry: current status and perspective, Sartoris DJ; Resnick D, AJR 1989; **152:** 241

dual-energy radiographic absorptiometry of the lumbar spine: clinical experience with two different systems, Gundry CR; Miller CW; Ramos E; Moscona A; Stein JA; Mazess RB; Sartoris DJ; Resnick D, Radiology 1990; **174:** 539

dual-energy x-ray absorptiometry: a precise method of measuring bone mineral density in the lumbar spine, Hansen MA; Hassager C; Overgaard K; et al, J Nucl Med 1990; **31:** 1156

effect of aortic sclerosis on bone mineral measurements by dual-photon absorptiometry, Frohn J; Wilken T; Falk S; et al, J Nucl Med 1991; **32:** 259

effect of source strength and attenuation on dual photon absorptiometry, DaCosta MC; Luckey MM; Meier DE; et al, J Nucl Med 1989; **30:** 1875

evaluation of the contribution of bone mass measurements to clinical practice, Fogelman I, Semin Nucl Med 1989; **19:** 62

heterotopic ossification: effect on dual-photon absorptiometry of the hip, Stewart CA; Hung G-L; Garland DE; et al, Clin Nucl Med 1990; **15:** 697

interchangeability of radioisotope and x-ray based measurements of bone mineral density, Adachi JD; Webber CE, Br J Radiol 1991; **64:** 217

intersite comparison of the Hologic QDR-1000 dual energy x-ray bone densitometer, Blake GM; Tong CM; Fogelman I, Br J Radiol 1991; **64:** 440

limited precision of lumbar spine dual-photon absorptiometry by variations in the soft-tissue background, Valkema R; Verheij LF; Blokland JAK; et al, J Nucl Med 1990; **31:** 1774

normal and abnormal features of the lumbar spine observed in dual photon absorptiometry scans, Hopkins A; Zylstra S; Hreshchyshyn MM; et al, Clin Nucl Med 1989; **14:** 410

osteodensitometry of vertebral metastases after radiotherapy using quantitative computed tomography, Reinbold W-D; Wannenmacher M; Hodapp N; et al, Skeletal Radiol 1989; **18:** 517

osteoporosis: current techniques and recent developments in quantitative bone densitometry, Lang P; Steiger P; Faulkner K; et al, Radiol Clin North Am 1991; **29:** 49

osteoporosis: diagnosis by plain chest film versus dual photon bone densitometry, Williamson MR; Boyd CM; Williamson SL, Skeletal Radiol 1990; **19:** 27

quantification of bone mineralizaton by dual photon absorptiometry in osteopetrosis, Fig LM; Shulkin BL, Clin Nucl Med 1989; **14:** 544

rapid periarticular bone loss in rheumatoid arthritis: possible promotion by normal circulating concentrations of parathyroid hormone or calcitriol (1,25-dihydroxyvitamin D_3), (ab), Sambrook PN; Shawe D; Hesp R; et al, Radiology 1990; **177:** 894

regional bone mineral measurements, Ormerod S; Galea V; MacDougall JD; et al, J Canad Assoc Radiol 1990; **41:** 59

some factors which influence the evaluation of a dual photon measurement of lumbar spine bone mineral mass, Webber CE, J Canad Assoc Radiol 1989; **40:** 87

x-ray dual-photon absorptiometry: a new method for the measurement of bone density, Cullum ID; Ell PJ; Ryder JP, Br J Radiol 1989; **62:** 587

Bones, biopsy

aspiration biopsy of primary neoplasms of bone, (ab), Dollahite HA; Tatum L; Moinuddin SM; et al, Radiology 1990; **174:** 902

fine-needle aspiration of bone lesions, Bennett JD; Yacyshyn BJ; Haddad RC; et al, J Canad Assoc Radiol 1990; **41:** 65

new motor-driven percutaneous bone biopsy system: technical note, Vorwerk D; Klose KC; Günther RW; et al, Cardiovasc Intervent Radiol 1989; **12:** 232

osteosarcoma and the role of fine-needle aspiration: a study of 51 cases, (ab), White VA; Fanning CV; Ayala AG; et al, Radiology 1989; **171:** 590

percutaneous intralesional brushing of cystic lesions of bone: a technical improvement of diagnostic cytology, Iaccarino V; Sadile F; Vetrani A; et al, Skeletal Radiol 1990; **19:** 187

percutaneous skeletal biopsy, Carrasco CH; Wallace S; Richli WR, Cardiovasc Intervent Radiol 1991; **14:** 69

Bones, chromosomal aberrations

radiographic findings in liveborn triploidy, Silverthorn KG; Houston CS; Newman DE; et al, Pediatr Radiol 1989; **19:** 237

Bones, CT

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA, Radiology 1990; **174:** 233

appropriate use of bone densitometry, Genant HK; Block JE; Steiger P; Glüer C-C; Ettinger B; Harris ST, Radiology 1989; **170:** 817

axial and appendicular bone mineral content determined by computed tomography: relationship to age and body size in males, Høiseth A; Hol PK; Bjørneboe G-EA; et al, Acta Radiol 1990; **31:** 137

bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143

cancellous bone structure: analysis of high-resolution CT images with the run-length method, Durand EP; Rüegsegger P, JCAT 1991; **15:** 133

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

complications of radiation therapy: CT evaluation, Bluemke DA; Fishman EK; Kuhlman JE; Zinreich ES, Radiographics 1991; **11:** 581

computed tomography in the diagnosis of dysplasia epiphysealis hemimelica, Gerscovich EO; Greenspan A, J Canad Assoc Radiol 1989; **40:** 313

computed tomography of musculoskeletal trauma, Dalinka MK; Boorstein JM; Zlatkin MB, Radiol Clin North Am 1989; **27:** 933

examination of subchondral bone architecture in experimental osteoarthritis by microscopic computed axial tomography, (ab), Layton MW; Goldstein SA; Goulet RW; et al, Radiology 1989; **172:** 294

fidelity of three-dimensional CT imaging for detecting fracture gaps, Drebin RA; Magid D; Robertson DD; et al, JCAT 1989; **13:** 487

giant bone island: computed tomography findings, Ehara S; Kattapuram SV; Rosenberg AE, Clin Imag 1989; **13:** 231

hypothalamic-pituitary dwarfism: comparison between MR imaging and CT findings, Maghnie M; Triulzi F; Larizza D; et al, Pediatr Radiol 1990; **20:** 229

imaging of musculoskeletal trauma in three dimensions: an integrated two-dimensional/three-dimensional approach with computed tomography, Magid D; Fishman EK, Radiol Clin North Am 1989; **27:** 945

inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Shaffer PB; Chandnani VP; Beltran J, Radiology 1991; **178:** 582

inappropriate use of a χ^2 test in modality comparison study of related samples, Mann FA; Hildebolt CF, Radiology 1991; **178:** 582

mechanical properties of trabecular bone from the proximal femur: a quantitative CT study, Lotz JC; Gerhart TN; Hayes WC, JCAT 1990; **14:** 107

MR imaging of periosteal and cortical changes of bone, Greenfield GB; Warren DL; Clark RA, Radiographics 1991; **11:** 611

MR imaging of periosteal and cortical changes of bone: authors' response, Greenfield GB, Radiographics 1991; **11:** 624

MR imaging of periosteal and cortical changes of bone: invited commentary, Hudson TM, Radiographics 1991; **11:** 624

multiple giant cell tumors and Paget disease of bone: radiographic and clinical correlations, Potter HG; Schneider R; Ghelman B; Healey JH; Lane JM, Radiology 1991; **180:** 261

osseous sporotrichosis: CT appearance. case report, Mogavero GT; Fishman EK; Magid D, Clin Imag 1991; **15:** 56

osteoid osteoma: CT-guided percutaneous treatment, Mazoyer J-F; Kohler R; Bossard D, Radiology 1991; **181:** 269

osteomyelitis in children with sickle cell disease: early diagnosis with contrast-enhanced CT, Stark JE; Glasier CM; Blasier RD; Aronson J; Seibert JJ, Radiology 1991; **179:** 731

progeria syndrome with characteristic deformation of proximal radius observed on CT, Sood S; Rao RCK; Ragav B; et al, Acta Radiol 1991; **32:** 67

quantitative computed tomography for bone mineral measurement: technical aspects, dosimetry, normal data and clinical applications, Karantanas AH; Kalef-Ezra JA; Glaros DC, Br J Radiol 1991; **64:** 298

value of bone scannning and computed tomography in fibrodysplasia ossificans progressiva, Carter SR; Davies AM; Evans N; et al, Br J Radiol 1989; **62:** 269

Bones, cysts

aneurysmal bone cyst: a review of 123 cases including primary lesions and those secondary to other bone pathology, (ab), Martinez V; Sissons HA, Radiology 1989; **170:** 588

aneurysmal bone cyst of the mandible, (ab), Giddings NA; Kennedy TL; Knipe KL; et al, Radiology 1990; **174:** 903

aneurysmal bone cyst of the paranasal sinuses associated with fibrous dysplasia: CT and MR findings, Som PM; Schatz CJ; Flaum EG; et al, JCAT 1991; **15:** 513

aneurysmal bone cyst of the sacrum, Capanna R; Van Horn JR; Biagini R; et al, Skeletal Radiol 1989; **18:** 109

aneurysmal bone cyst of the spine in children. MRI imaging at 0.5 tesla, Caro PA; Mandell GA; Stanton RP, Pediatr Radiol 1991; **21:** 114

aneurysmal bone cysts: imaging findings and embolotherapy, Cory DA; Fritsch SA; Cohen MD; et al, AJR 1989; **153:** 369

bone cysts and haemodialysis-related amyloidosis, Sargent MA; Fleming SJ; Chattopadhyay C; et al, Clin Radiol 1989; **40:** 277

calcaneal bone cyst: sonographic findings and ultrasound-guided aspiration biopsy, Fornage BD; Richli WR; Chuapetcharasopon C, JCU 1991; **19:** 360

case of the month: a painful knee, Davies AM; Evans N, Br J Radiol 1989; **62:** 1103

case report 515, Abdelwahab IF; Lewis MM; Klein MJ; et al, Skeletal Radiol 1989; **17:** 607

case report 526, Hall FM; Turkel D, Skeletal Radiol 1989; **18:** 127

case report 534, Abdelwahab IF; Hermann G; Lewis MM; et al, Skeletal Radiol 1989; **18:** 157

case report 551, Ehara S; Kattapuram SV; Khurana JS; et al, Skeletal Radiol 1989; **18:** 329

case report 555, Dungan DH; Seeger LL; Mirra JM, Skeletal Radiol 1989; **18:** 385

case report 573, Berson B; Abdelwahab IF; Hermann G; et al, Skeletal Radiol 1989; **18:** 547

case report 606, Hertzanu Y; Bar-Ziv J, Skeletal Radiol 1990; **19:** 225

case report 611, Burnstein MI; De Smet AA; Hafez GR; et al, Skeletal Radiol 1990; **19:** 294

fluid-fluid level: a nonspecific finding in tumors of bone and soft tissue, Tsai JC; Dalinka MK; Fallon MD; Zlatkin MB; Kressel HY, Radiology 1990; **175:** 779

growing bone cysts in long-term hemodialysis, Gielen JL; van Holsbeeck MT; Hauglustaine D; et al, Skeletal Radiol 1990; **19:** 43

intra-osseous ganglion: report of four cases and review of the literature, Pope TL Jr; Fechner RE; Keats TE, Skeletal Radiol 1989; **18:** 185

MR imaging of aneurysmal bone cysts, Munk PL; Helms CA; Holt RG; et al, AJR 1989; **153:** 99

post-traumatic cysts and cyst-like lesions of bone, Moore TE; King AR; Travis RC; et al, Skeletal Radiol 1989; **18:** 93

sacral cysts with exophytic components: a report of two cases, Ehara S; Rosenberg AE; El-Khoury GY, Skeletal Radiol 1990; **19:** 117

solitary (unicameral) bone cyst: the fallen fragment sign revisited, Struhl S; Edelson C; Pritzker H; et al, Skeletal Radiol 1989; **18:** 261

subchondral cysts of the tibia secondary to osteoarthritis of the knee, Ostlere SJ; Seeger LL; Eckardt JJ, Skeletal Radiol 1990; **19:** 287

therapeutic embolization of aneurysmal bone cyst, Radanović B; Šimunić S; Stojanović J; et al, Cardiovasc Intervent Radiol 1989; **12:** 313

Bones, diseases
calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415
chest and the skeleton: radiological correlations, Schultz E; Rakoff S; Jacobson HG, Semin Roentgenol 1989; **24:** 259
general case of the day, Miron M-C; Dussault RG; Robillard P, Radiographics 1990; **10:** 735
MR imaging of periosteal and cortical changes of bone, Greenfield GB; Warren DL; Clark RA, Radiographics 1991; **11:** 611
MR imaging of periosteal and cortical changes of bone: authors' response, Greenfield GB, Radiographics 1991; **11:** 624
MR imaging of periosteal and cortical changes of bone: invited commentary, Hudson TM, Radiographics 1991; **11:** 624
osteoid osteoma: CT-guided percutaneous treatment, Mazoyer J-F; Kohler R; Bossard D, Radiology 1991; **181:** 269
Paget disease: MR imaging findings, Roberts MC; Kressel HY; Fallon MD; Zlatkin MB; Dalinka MK, Radiology 1989; **173:** 341
ten-year-old boy with a limp, Soulen MC; Miller WT Jr, Invest Radiol 1990; **25:** 299

Bones, dysostoses
See also Bones, osteochondrodysplasias
from the archives of the AFIP: fibrous dysplasia, Kransdorf MJ; Moser RP Jr; Gilkey FW, Radiographics 1990; **10:** 519
prenatal ultrasonic diagnosis of mandibulofacial dysostosis (Treacher Collins syndrome), Meizner I; Carmi R; Katz M, JCU 1991; **19:** 124

Bones, dysplasia
See Bones, dysostoses; Bones, osteochondrodysplasias

Bones, effects of irradiation on
case report 571, Katz LD; Lawson JP, Skeletal Radiol 1990; **19:** 50
radiation-induced sarcoma of bone: CT findings in 19 cases, Lorigan JG; Libshitz HI; Peuchot M, AJR 1989; **153:** 791
randomized trial comparing single dose versus fractionated irradiation for prevention of heterotopic bone: a preliminary report, Konski A; Pellegrini V; Poulter C; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1139
septic osteoradionecrosis of the mandible associated with pathological fracture: report of two cases, Millett DT; Chapple ILC; Hirschmann PN; et al, Clin Radiol 1990; **41:** 408

Bones, epiphyses
case report 552, Lagier R, Skeletal Radiol 1989; **18:** 331
epiphyseal marrow in infancy: MR imaging, Jaramillo D; Laor T; Hoffer FA; Zaleske DJ; Cleveland RH; Buchbinder BR; Egglin TK, Radiology 1991; **180:** 809
hip pain in three children accompanied by transient abnormal findings on MR images, Pay NT; Singer WS; Bartal E, Radiology 1989; **171:** 147
identification of avascular necrosis in the dysplastic proximal femoral epiphysis, Mandell GA; MacKenzie WG; Scott CI Jr; et al, Skeletal Radiol 1989; **18:** 273
longitudinal tibial epiphyseal bracket in Nievergelt syndrome, Burnstein MI; De Smet AA; Breed AL; et al, Skeletal Radiol 1989; **18:** 121
posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A, Radiology 1990; **175:** 767
sonographic diagnosis of traumatic separation of the proximal femoral epiphysis in the neonate, Diaz MJ; Hedlund GL, Pediatr Radiol 1991; **21:** 238

Bones, fibroma
benign histiocytic fibroma of rib with CT correlation, Friedman L; Patel M; Lew E; et al, J Canad Assoc Radiol 1989; **40:** 114
case report 556, Gross ML; Soberman N; Dorfman HD; et al, Skeletal Radiol 1989; **18:** 389
case report 580, Beveridge GM; Lang S; Powell JM; et al, Skeletal Radiol 1989; **18:** 607
case report 684, Kozlowski K; Kan A; Marsden FW, Skeletal Radiol 1991; **20:** 397
fibrous lesions of bones, Kumar R; Madewell JE; Lindell MM; Swischuk LE, Radiographics 1990; **10:** 237
sinonasal psammomatoid ossifying fibromas: CT and MR manifestations, Han MH; Chang KH; Lee CH; et al, AJNR 1991; **12:** 25

Bones, fibrous dysplasia
aneurysmal bone cyst of the paranasal sinuses associated with fibrous dysplasia: CT and MR findings, Som PM; Schatz CJ; Flaum EG; et al, JCAT 1991; **15:** 513
appearance of fibrous dysplasia on In-111 labeled leukocyte scintigraphy, Swyer AJ; Palestro CJ; Kim CK; et al, Clin Nucl Med 1991; **16:** 133
calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415
case of the season, Babu ML, Semin Roentgenol 1991; **26:** 3
case report 543, Abdelwahab IF; Hermann G; Zawin J; et al, Skeletal Radiol 1989; **18:** 249
case report 557, Glass-Royal MC; Nelson MC; Albert F; et al, Skeletal Radiol 1989; **18:** 392
case report 604, Resnik CS; Young JWR; Levine AM; et al, Skeletal Radiol 1990; **19:** 217
fibrous dysplasia: magnetic resonance imaging appearance at 1.5 tesla, Norris MA; Kaplan PA; Pathria MN; et al, Clin Imag 1990; **14:** 211
fibrous dysplasia of the skull: disease activity in relation to age, Davies ML; Macpherson P, Br J Radiol 1991; **64:** 576
fibrous dysplasia vs adamantinoma of the tibia: differentiation based on discriminant analysis of clinical and plain film findings, Bloem JL; van der Heul RO; Schuttevaer HM; et al, AJR 1991; **156:** 1017
fluid-fluid level: a nonspecific finding in tumors of bone and soft tissue, Tsai JC; Dalinka MK; Fallon MD; Zlatkin MB; Kressel HY, Radiology 1990; **175:** 779
intramuscular myxoma: a rare but important association with fibrous dysplasia of bone, Sundaram M; McDonald DJ; Merenda G, AJR 1989; **153:** 107
MR appearance of fibrous dysplasia, Utz JA; Kransdorf MJ; Jelinek JS; et al, JCAT 1989; **13:** 845
MR imaging of early fibrodysplasia ossificans progressiva, Caron KH; DiPietro MA; Aisen AM; et al, JCAT 1990; **14:** 318
polyostotic fibrous dysplasia as a mimic of bony metastatic disease, Jones DN; Marion M, Clin Nucl Med 1991; **16:** 55
ultrasonic appearances of the early changes in fibrodysplasia ossificans progressiva, McAteer EJ; Hallam LA; Hendry GMA, Br J Radiol 1990; **63:** 809
unusual case of craniofacial fibrous dysplasia presenting in early infancy, Eich GF; Babyn P; Armstrong D; et al, Pediatr Radiol 1990; **20:** 495

Bones, fractures
See Fractures

Bones, grafts
bone grafting in total hip replacement: preliminary results with MRI, Pedrosa P; Wenda K; Higer HP; et al, Eur J Radiol 1989; **9:** 12
bone scanning in the early assessment of nasal bone graft viability, Ramsay SC; Yeates MG; Ho LCY, J Nucl Med 1991; **32:** 33
case report 592, Daffner RH, Skeletal Radiol 1990; **19:** 73
direct coronal CT of the scaphoid bone, Pennes DR; Jonsson K; Buckwalter KA, Radiology 1989; **171:** 870
intercalary bone allografts: radiographic evaluation, Kattapuram SV; Phillips WC; Mankin HJ, Radiology 1989; **170:** 137
pre- and postoperative imaging of vascularized fibular grafts, Manaster BJ; Coleman DA; Bell DA, Radiology 1990; **176:** 161
revascularization of femoral head ischemic necrosis with vascularized bone graft: a CT scan experimental study, González del Pino J; Knapp K; Castresana FG; et al, Skeletal Radiol 1990; **19:** 197
three-dimensional modeling by combining artificial with real data, Gargantini I; Atkinson HH; Schrack GF, Comput Med Imag Graph 1990; **14:** 379
use of three-phase bone imaging in vascularized fibular and iliac bone grafts, Itoh K; Minami A; Sakuma T; et al, Clin Nucl Med 1989; **14:** 494

Bones, growth and development
epiphyseal marrow in infancy: MR imaging, Jaramillo D; Laor T; Hoffer FA; Zaleske DJ; Cleveland RH; Buchbinder BR; Egglin TK, Radiology 1991; **180:** 809
Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Eich GF; Silver MM; Weksberg R; Daneman A; Costa T, Radiology 1991; **181:** 183
posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A, Radiology 1990; **175:** 767
prenatal development of the normal human skeleton: a combined ultrasonographic and post-mortem radiographic study, van der Harten HJ; Brons JTJ; Schipper NW; et al, Pediatr Radiol 1990; **21:** 52
radiologic assessment of bones after Ilizarov procedures, Young JWR; Kovelman H; Resnik CS; Paley D, Radiology 1990; **177:** 89
red and yellow marrow in the femur: age-related changes in appearance at MR imaging, Moore SG; Dawson KL, Radiology 1990; **175:** 219
variations in acromial ossification simulating infant abuse in victims of sudden infant death syndrome, Kleinman PK; Spevak MR, Radiology 1991; **180:** 185
vertebral bone density in children: effect of puberty, van Kuijk C, Radiology 1989; **170:** 895
vertebral bone density in children: effect of puberty: reply, Gilsanz V, Radiology 1989; **170:** 895

Bones, hypertrophy
diffuse idiopathic skeletal hyperostosis: diagnostic significance of radiographic abnormalities of the pelvis, Haller J; Resnick D; Miller CW; Schils JP; Kerr R; Bielecki D; Sartoris DJ; Gundry CR, Radiology 1989; **172:** 835
hypertrophic osteoarthropathy caused by lung metastasis of an osteosarcoma, Flueckiger F; Fotter R; Hausegger K; et al, Pediatr Radiol 1989; **20:** 128
stress-related rib and vertebral changes, Macones AJ Jr; Fisher MS; Locke JL, Radiology 1989; **170:** 117

Bones, infarction
case of the month: the jockey with a mass in the thigh, Davies AM; Evans N; Grimer RJ, Br J Radiol 1989; **62:** 183
differentiation of bone and bone marrow infarcts from osteomyelitis in sickel cell disorders, Kim HC; Alavi A; Russell MO; et al, Clin Nucl Med 1989; **14:** 249
femoral infarction following intraarterial chemotherapy for osteosarcoma of the leg: a possible pitfall in magnetic resonance imaging, Ollivier L; Leclere J; Vanel D; et al, Skeletal Radiol 1991; **20:** 329
frostbite injury: prediction of tissue viability with triple-phase bone scanning, Mehta RC; Wilson MA, Radiology 1989; **170:** 511
immature bone infarcts: findings on plain radiographs and MR scans, Munk PL; Helms CA; Holt RG, AJR 1989; **152:** 547
MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; **11:** 401
skeletal scintigraphy of multiple bone infarctions, Adcock KA; Roth JC, Clin Nucl Med 1989; **14:** 852

Bones, infection
acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA, Radiology 1990; **174:** 233
acute osteomyelitis in children: reassessment of etiologic agents and their clinical characteristics, (ab), Faden H; Grossi M, Radiology 1991; **181:** 296

bacterial osteomyelitis: findings on plain radiography, CT, MR, and scintigraphy, Gold RH; Hawkins RA; Katz RD, AJR 1991; 157: 365

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; 11: 415

case of the month: a case of post-operative paresis, Olliff JFC; Gwyther SJ; Hart G, Br J Radiol 1990; 63: 819

case report 558, Malpani AR; Ramani SK; Sundaram M, Skeletal Radiol 1989; 18: 399

case report 568, Conway WF; Hayes CW; Murphy WA, Skeletal Radiol 1989; 18: 483

case report 629, De Cristofaro R; Ruggieri P; Biagini R; et al, Skeletal Radiol 1990; 19: 461

case report 664, Abdul-Karim FW; Pathria MN; Heller JG; et al, Skeletal Radiol 1991; 20: 227

case report 687, Kwong JS; Munk PL; Connell DG; et al, Skeletal Radiol 1991; 20: 458

case report: malignant fibrous histiocytoma complicating chronic osteomyelitis, Kennedy C; Stoker DJ, Clin Radiol 1990; 41: 435

case report: mycotic pseudoaneurysm of the descending thoracic aorta associated with vertebral osteomyelitis, Reed DH, Clin Radiol 1990; 41: 427

cervical osteomyelitis due to IV heroin use: radiologic findings in 14 patients, Endress C; Guyot DR; Fata J; et al, AJR 1990; 155: 333

chronic complicated osteomyelitis of the lower extremity: evaluation with MR imaging, Mason MD; Zlatkin MB; Esterhai JL; Dalinka MK; Velchik MG; Kressel HY, Radiology 1989; 173: 355

chronic osteomyelitislike disease with negative bacterial cultures, (ab), Pelkonen P; Ryöppy S; Jääskeläinen J; et al, Radiology 1989; 172: 295

chronic recurrent multifocal osteomyelitis: association with vertebra plana, (ab), Yu L; Kasser JR; O'Rourke E; et al, Radiology 1989; 172: 888

cold defects in In-111 labeled leukocyte imaging of osteomyelitis in the axial skeleton, Eisenberg B; Powe JE; Alavi A, Clin Nucl Med 1991; 16: 103

combined leukocyte and bone imaging used to evaluate diabetic osteoarthropathy and osteomyelitis, Splittgerber GF; Spiegelhoff DR; Buggy BP, Clin Nucl Med 1989; 14: 156

detection of acute osteomyelitis with indium-111 labeled white blood cells in a patient with sickle cell disease, Fernandez-Ulloa M; Vasavada PJ; Black RR, Clin Nucl Med 1989; 14: 97

detection of osteomyelitis at fracture nonunion sites: comparison of two scintigraphic methods, Seabold JE; Nepola JV; Conrad GR; et al, AJR 1989; 152: 1021

detection of soft-tissue and skeletal infections with ultra low-field (0.02 T) MR imaging, Hovi I; Hekali P; Korhola O; et al, Acta Radiol 1989; 30: 495

diagnosing osteomyelitis in Gaucher's disease: observations on two cases, Sziklas JJ; Negrin JA; Rosshirt W; et al, Clin Nucl Med 1991; 16: 487

diagnosis of osteomyelitis of the foot in diabetic patients: value of ^{111}In-leukocyte scintigraphy, Larcos G; Brown ML; Sutton RT, AJR 1991; 157: 527

diagnosis of pedal osteomyelitis in diabetic patients using current scintigraphic techniques, (ab), Keenan AM; Tindel NL; Alavi A, Radiology 1990; 175: 888

differentiation of bone and bone marrow infarcts from osteomyelitis in sickel cell disorders, Kim HC; Alavi A; Russell MO; et al, Clin Nucl Med 1989; 14: 249

disseminated BCG-osteomyelitis in congenital immunodeficiency, Hugosson C; Harfi H, Pediatr Radiol 1991; 21: 384

inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Shaffer PB; Chandnani VP; Beltran J, Radiology 1991; 178: 582

inappropriate use of a χ^2 test in modality comparison study of related samples, Mann FA; Hildebolt CF, Radiology 1991; 178: 582

indium-111-leukocyte/technetium-99m-MDP bone and magnetic resonance imaging: difficulty of diagnosing osteomyelitis in patients with neuropathic osteoarthropathy, Seabold JE; Flickinger FW; Kao SCS; et al, J Nucl Med 1990; 31: 549

Klebsiella pneumoniae osteomyelitis: demonstration by three-phase radionuclide bone imaging, Sanders JA, J Nucl Med 1989; 30: 1412

magnetic resonance differentiation of acute and chronic osteomyelitis in children, Cohen MD; Cory DA; Kleiman M; et al, Clin Radiol 1990; 41: 53

MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; 11: 401

MR imaging characteristics of tuberculous spondylitis vs vertebral osteomyelitis, Smith AS; Weinstein MA; Mizushima A; et al, AJNR 1989; 10: 619

mycetoma: comparison of MR imaging with CT, Sharif HS; Clark DC; Aabed MY; Aideyan OA; Mattsson TA; Haddad MC; Ohman SO; Joshi RK; Hasan HA; Haleem A, Radiology 1991; 178: 865

osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; 177: 77

osteomyelitis: characteristics and pitfalls of diagnosis with MR imaging, Erdman WA; Tamburro F; Jayson HT; Weatherall PT; Ferry KB; Peshock RM, Radiology 1991; 180: 533

osteomyelitis: detection with US, Abiri MM; Kirpekar M; Ablow RC, Radiology 1989; 172: 509

osteomyelitis: detection with US, Park CM; Chung KB; Sun WH, Radiology 1991; 178: 890

osteomyelitis: detection with US: reply, Abiri M, Radiology 1991; 178: 890

osteomyelitis: diagnosis with In-111-labeled leukocytes, Schauwecker DS, Radiology 1989; 171: 141

osteomyelitis in children with sickle cell disease: early diagnosis with contrast-enhanced CT, Stark JE; Glasier CM; Blasier RD; Aronson J; Seibert JJ, Radiology 1991; 179: 731

osteomyelitis of the foot in diabetic patients: evaluation with plain film, ^{99m}Tc-MDP bone scintigraphy, and MR imaging, Yuh WTC; Corson JD; Baraniewski HM; et al, AJR 1989; 152: 795

osteomyelitis of the talus: an unusual cause of limping in childhood, Grattan-Smith JD; Wagner ML; Barnes DA, AJR 1991; 156: 785

osteomyelitis of the tarsal bones in children, Ackerman T; Reed MH, J Canad Assoc Radiol 1990; 41: 69

pediatric yaws osteoperiostitis, Vanthournout I; Quinet B; Neuenschwander S, Pediatr Radiol 1991; 21: 303

physeal involvement in chronic recurrent multifocal osteomyelitis, Manson D; Wilmot DM; King S; et al, Pediatr Radiol 1989; 20: 76

postoperative bone marrow alterations: potential pitfalls in the diagnosis of osteomyelitis with In-111-labeled leukocyte scintigraphy, Seabold JE; Nepola JV; Marsh JL; Hawes DR; Justin EP; Ponto JA; Pettit WA; El-Khoury GY; Kirchner PT, Radiology 1991; 180: 741

pyogenic vertebral osteomyelitis of the posterior elements, Ehara S; Khurana JS; Kattapuram SV, Skeletal Radiol 1989; 18: 175

radiographic and computed tomographic findings in hydatid disease of bone, Torricelli P; Martinelli C; Biagini R; et al, Skeletal Radiol 1990; 19: 435

role of bone scan and radiography in the diagnostic evaluation of suspected pedal osteomyelitis, Segall GM; Nino-Murcia M; Jacobs T; et al, Clin Nucl Med 1989; 14: 255

scintigraphic and radiologic manifestations of yaws, duCret RP; Aafedt BC; Griffiths HJ; et al, Clin Nucl Med 1990; 15: 580

scintigraphic detection of bone and joint infections with indium-111-labeled nonspecific polyclonal human immunoglobulin G, Oyen WJG; Claessens RAMJ; van Horn JR; et al, J Nucl Med 1990; 31: 403

soft tissue involvement, mediastinal pseudotumor, and venous thrombosis in pustulotic arthro-osteitis: a study of eight new cases, van Holsbeeck M; Martel W; Dequeker J; et al, Skeletal Radiol 1989; 18: 1

spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Sze G; Bravo S; Krol G, Radiology 1989; 170: 849

subperiosteal abscess in children: scintigraphic appearance, Allwright SJ; Miller JH; Gilsanz V, Radiology 1991; 179: 725

technetium-99m white blood cell imaging: false-negative result in salmonella osteomyelitis associated with sickle cell disease, Guze BH; Hawkins RA; Marcus CS, Clin Nucl Med 1989; 14: 104

ten-year-old boy with a limp, Soulen MC; Miller WT Jr, Invest Radiol 1990; 25: 299

ultrasound in advanced pediatric osteomyelitis: a report of 5 cases, Williamson SL; Seibert JJ; Glasier CM; et al, Pediatr Radiol 1991; 21: 288

Bones, injuries

bone abnormalities of the knee: prevalence and significance at MR imaging, Lynch TCP; Crues JV III; Morgan FW; Sheehan WE; Harter LP; Ryu R, Radiology 1989; 171: 761

bone marrow scintigraphy in the diagnosis of post-traumatic avascular necrosis of bone, Tawn DJ; Watt I, Br J Radiol 1989; 62: 790

computed tomography of musculoskeletal trauma, Dalinka MK; Boorstein JM; Zlatkin MB, Radiol Clin North Am 1989; 27: 933

controlled thermal injury of bone: report of a percutaneous technique using radiofrequency electrode and generator, Tillotson CL; Rosenberg AE; Rosenthal DI, Invest Radiol 1989; 24: 888

conventional tomography in musculoskeletal trauma, Ho CP; Sartoris DJ; Resnick D, Radiol Clin North Am 1989; 27: 929

diagnostic imaging evaluation of the postoperative patient following musculoskeletal trauma, Weissman BN; Reilly DT, Radiol Clin North Am 1989; 27: 1035

diagnostic imaging of pediatric skeletal trauma, Resnik CS, Radiol Clin North Am 1989; 27: 1013

frostbite injury: prediction of tissue viability with triple-phase bone scanning, Mehta RC; Wilson MA, Radiology 1989; 170: 511

imaging of musculoskeletal trauma in three dimensions: an integrated two-dimensional/three-dimensional approach with computed tomography, Magid D; Fishman EK, Radiol Clin North Am 1989; 27: 945

interactive 2D and 3D imaging of skeletal trauma, (ab), Fishman EK; Magid D; Ney DR; et al, Radiology 1990; 176: 591

magnetic resonance imaging of musculoskeletal injuries, Deutsch AL; Mink JH, Radiol Clin North Am 1989; 27: 983

posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A, Radiology 1990; 175: 767

radiologic reporting of skeletal trauma, Pitt MJ; Speer DP, Radiol Clin North Am 1990; 28: 247

scintigraphic techniques in musculoskeletal trauma, McDougall IR; Rieser RP, Radiol Clin North Am 1989; 27: 1003

seat belt injuries: radiologic findings and clinical correlation, Hayes CW; Conway WF; Walsh JW; Coppage L; Gervin AS, Radiographics 1991; 11: 23

variations in acromial ossification simulating infant abuse in victims of sudden infant death syndrome, Kleinman PK; Spevak MR, Radiology 1991; 180: 185

Bones, measurement

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; 179: 669

evaluation of the contribution of bone mass measurements to clinical practice, Fogelman I, Semin Nucl Med 1989; **19:** 62

quantitative computed tomography for bone mineral measurement: technical aspects, dosimetry, normal data and clinical applications, Karantanas AH; Kalef-Ezra JA; Glaros DC, Br J Radiol 1991; **64:** 298

skeletal structure-function revisited, Cann CE, Radiology 1991; **179:** 607

ulnar variance in children—standard measurements for evaluation of ulnar shortening in juvenile rheumatoid arthritis, hereditary multiple exostosis and other bone or joint disorders in childhood, Hafner R; Poznanski AK; Donovan JM, Skeletal Radiol 1989; **18:** 513

Bones, metaphyses

fibrous metaphyseal defects: magnetic resonance imaging appearances, Ritschl P; Hajek PC; Pechmann U, Skeletal Radiol 1989; **18:** 253

metaphyseal sclerosis in patients with chronic renal failure, Young W; Sevcik M; Tallroth K, Skeletal Radiol 1991; **20:** 197

spondylometaphyseal dysplasia, corner fracture type: a heritable condition associated with coxa vara, Langer LO Jr; Brill PW; Ozonoff MB; Pauli RM; Wilson WG; Alford BA; Pavlov H; Drake DG, Radiology 1990; **175:** 761

Bones, mineralization

accuracy of dual-energy radiographic absorptiometry of the lumbar spine: cadaver study, Ho CP; Kim RW; Schaffler MB; Sartoris DJ, Radiology 1990; **176:** 171

accuracy of vertebral mineral determination by dual-energy quantitative computed tomography, Reinbold W-D; Adler CP; Kalender WA; et al, Skeletal Radiol 1991; **20:** 25

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

appropriate use of bone densitometry, Genant HK; Block JE; Steiger P; Glüer C-C; Ettinger B; Harris ST, Radiology 1989; **170:** 817

assessment of bone mineral content in the internal bone volume, Høiseth A; Alho A; Husby T, Acta Radiol 1991; **32:** 69

axial and appendicular bone mineral content determined by computed tomography: relationship to age and body size in males, Høiseth A; Hol PK; Bjørneboe G-EA; et al, Acta Radiol 1990; **31:** 137

axial bone density in rheumatoid arthritis: comparison of dual-energy projection radiography and dual-photon absorptiometry, O'Malley M; Kenrick AJ; Sartoris DJ; Hochberg AM; Weisman MH; Ramos E; Zvaifler N; Resnick D, Radiology 1989; **170:** 501

biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography, Hayes WC; Piazza SJ; Zysset PK, Radiol Clin North Am 1991; **29:** 1

bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143

bone densitometry of the peripheral skeleton with a new photon counting and imaging device, Angelini F; Bellazzini R; Brez A; et al, Invest Radiol 1989; **24:** 684

bone density distribution within the femoral head and neck: an examination by high-resolution computed tomography, Field RE; Dixon AK; Lawrence JP; et al, Skeletal Radiol 1990; **19:** 319

bone mineral content in black pre-schoolers: normative data using single photon absorptiometry, Laraque D; Arena L; Karp J; et al, Pediatr Radiol 1990; **20:** 461

case report 631, Vela BS; Dorin RI; Hartshorne MF, Skeletal Radiol 1990; **19:** 468

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

cortical thickness and trabecular pattern of the femoral neck as a measure of osteopenia, Griffiths HJ; Virtama P, Invest Radiol 1990; **25:** 1116

current and innovative methods for noninvasive bone densitometry, Sartoris DJ; Resnick D, Radiol Clin North Am 1990; **28:** 257

dual-energy radiographic absorptiometry of the lumbar spine: clinical experience with two different systems, Gundry CR; Miller CW; Ramos E; Moscona A; Stein JA; Mazess RB; Sartoris DJ; Resnick D, Radiology 1990; **174:** 539

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

factors affecting bone mineral density in elderly men receiving chronic in-center hemodialysis, Eisenberg B; Tzamaloukas AH; Murata GH; et al, Clin Nucl Med 1991; **16:** 30

femoral cortical/cancellous bone related to age, Høiseth A; Alho A; Husby T, Acta Radiol 1990; **31:** 626

heterotopic ossification: effect on dual-photon absorptiometry of the hip, Stewart CA; Hung G-L; Garland DE; et al, Clin Nucl Med 1990; **15:** 697

inherited diseases of bone density in children, Herman TE; McAlister WH, Radiol Clin North Am 1991; **29:** 149

interchangeability of radioisotope and x-ray based measurements of bone mineral density, Adachi JD; Webber CE, Br J Radiol 1991; **64:** 217

intersite comparison of the Hologic QDR-1000 dual energy x-ray bone densitometer, Blake GM; Tong CM; Fogelman I, Br J Radiol 1991; **64:** 440

in vivo quantitative characterization of trabecular bone by NMR interferometry and localized proton spectroscopy, Ford JC; Wehrli FW, Magn Res Med 1991; **17:** 543

limitations of quantitative CT in corticosteroid induced osteopenia, Karantanas AH; Kalef-Ezra JA; Glaros DC, Acta Radiol 1991; **32:** 339

long-term irreversibility of bone loss after surgery for primary hyperparathyroidism, (ab), Martin P; Bergman P; Gillet C; et al, Radiology 1990; **177:** 895

mechanical properties of trabecular bone from the proximal femur: a quantitative CT study, Lotz JC; Gerhart TN; Hayes WC, JCAT 1990; **14:** 107

morphometry, O'Keeffe D, Radiol Clin North Am 1991; **29:** 165

musculoskeletal radiology: RSNA '88 meeting notes, Murphy WA Jr; Dalinka MK; Lodwick GS; Totty WG; Vogler JB III, Radiology 1989; **170:** 913

osteopenia and phenylketonuria, Carson DJ; Greeves LG; Sweeney LE; et al, Pediatr Radiol 1990; **20:** 598

porcelain gallbladder affecting the assessment of bone mineral content, Roland J; Pouliart C; Raeman F; et al, Clin Nucl Med 1990; **15:** 701

precision of regional bone mineral measurements obtained from total-body scans, LeBlanc AD; Schneider VS; Engelbretson DA; et al, J Nucl Med 1990; **31:** 43

predicting femoral neck strength from bone mineral data: a structural approach, Beck TJ; Ruff CB; Warden KE; et al, Invest Radiol 1990; **25:** 6

quantification of bone mineralizaton by dual photon absorptiometry in osteopetrosis, Fig LM; Shulkin BL, Clin Nucl Med 1989; **14:** 544

quantitative computed tomographic evaluation of femoral bone mineral content in renal osteodystrophy compared with radial photon absorptiometry, Sakurai K; Marumo F; Iwanami S; et al, Invest Radiol 1989; **24:** 375

quantitative computed tomography for bone mineral measurement: technical aspects, dosimetry, normal data and clinical applications, Karantanas AH; Kalef-Ezra JA; Glaros DC, Br J Radiol 1991; **64:** 298

quantitative dual-energy radiographic absorptiometry of the lumbar spine: in vivo comparison with dual-photon absorptiometry, Borders J; Kerr E; Sartoris DJ; Stein JA; Ramos E; Moscona AA; Resnick D, Radiology 1989; **170:** 129

quantitative γ-ray computed tomography of the radius in normal subjects and osteoporotic patients, Smith DAS; Hosie CJ; Deacon AD; et al, Br J Radiol 1990; **63:** 776

radial and spinal bone mineral density in a patient population, (ab), Mazess RB; Barden HS; Ettinger M, Radiology 1989; **170:** 903

radiographic appearance of osteopenia, Mayo-Smith W; Rosenthal DI, Radiol Clin North Am 1991; **29:** 37

range of bone density in normal British women, Hall ML; Heavens J; Cullum ID; et al, Br J Radiol 1990; **63:** 266

reference values for trabecular and cortical vertebral bone density in single and dual-energy quantitative computed tomography, Kalender WA; Felsenberg D; Louis O; et al, Eur J Radiol 1989; **9:** 75

regional bone mineral measurements, Ormerod S; Galea V; MacDougall JD; et al, J Canad Assoc Radiol 1990; **41:** 59

relation of radionuclide uptake by bone to the rate of calcium mineralization: I: experimental studies using ^{45}Ca, ^{32}P and $^{99}Tc^{m}$-MDP, Budd RS; Hodgson GS; Hare WSC, Br J Radiol 1989; **62:** 314

relation of radionuclide uptake by bone to the rate of calcium mineralization: II: patient studies using $^{99}Tc^{m}$-MDP, Budd RS; Hodgson GS; Hare WSC, Br J Radiol 1989; **62:** 318

short-term effect of exposure to intense magnetic fields on hematologic indices of bone metabolism, Papatheofanis FJ; Papatheofanis BJ, Invest Radiol 1989; **24:** 221

spinal bone mineral density measured with quantitative CT: effect of region of interest, vertebral level, and technique, Steiger P; Block JE; Steiger S; Heuck AF; Friedlander A; Ettinger B; Harris ST; Glüer C-C; Genant HK, Radiology 1990; **175:** 537

vertebral bone density in children: effect of puberty, van Kuijk C, Radiology 1989; **170:** 895

vertebral bone density in children: effect of puberty: reply, Gilsanz V, Radiology 1989; **170:** 895

vertebral density distribution pattern: CT classification of patients undergoing maintenance hemodialysis, Ito M; Hayashi K; Ito M, Radiology 1991; **180:** 253

x-linked hypophosphatemia in adults: prevalence of skeletal radiographic and scintigraphic features, Hardy DC; Murphy WA; Siegel BA; Reid IR; Whyte MP, Radiology 1989; **171:** 403

x-ray dual-photon absorptiometry: a new method for the measurement of bone density, Cullum ID; Ell PJ; Ryder JP, Br J Radiol 1989; **62:** 587

Bones, MR

acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA, Radiology 1990; **174:** 233

bone abnormalities of the knee: prevalence and significance at MR imaging, Lynch TCP; Crues JV III; Morgan FW; Sheehan WE; Harter LP; Ryu R, Radiology 1989; **171:** 761

chronic complicated osteomyelitis of the lower extremity: evaluation with MR imaging, Mason MD; Zlatkin MB; Esterhai JL; Dalinka MK; Velchik MG; Kressel HY, Radiology 1989; **173:** 355

effect of trabecular bone on the appearance of marrow in gradient-echo imaging of the appendicular skeleton, Sebag GH; Moore SG, Radiology 1990; **174:** 855

epiphyseal involvement in osteosarcoma, Norton KI; Hermann G; Abdelwahab IF; Klein MJ; Granowetter LF; Rabinowitz JG, Radiology 1991; **180:** 813

fibrous dysplasia: magnetic resonance imaging appearance at 1.5 tesla, Norris MA; Kaplan PA; Pathria MN; et al, Clin Imag 1990; **14:** 211

fibrous metaphyseal defects: magnetic resonance imaging appearances, Ritschl P; Hajek PC; Pechmann U, Skeletal Radiol 1989; **18:** 253

hip pain in three children accompanied by transient abnormal findings on MR images, Pay NT; Singer WS; Bartal E, Radiology 1989; **171:** 147

hypothalamic-pituitary dwarfism: comparison between MR imaging and CT findings, Maghnie M; Triulzi F; Larizza D; et al, Pediatr Radiol 1990; **20:** 229

immature bone infarcts: findings on plain radiographs and MR scans, Munk PL; Helms CA; Holt RG, AJR 1989; **152:** 547

inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Shaffer PB; Chandnani VP; Beltran J, Radiology 1991; **178:** 582

inappropriate use of a χ^2 test in modality comparison study of related samples, Mann FA; Hildebolt CF, Radiology 1991; **178:** 582

indium-111-leukocyte/technetium-99m-MDP bone and magnetic resonance imaging: difficulty of diagnosing osteomyelitis in patients with neuropathic osteoarthropathy, Seabold JE; Flickinger FW; Kao SCS; et al, J Nucl Med 1990; **31:** 549

intraosseous fat necrosis associated with acute pancreatitis: MR imaging, Haller J; Greenway G; Resnick D; Kindynis P; Kang HS, Radiology 1989; **173:** 193

in vivo quantitative characterization of trabecular bone by NMR interferometry and localized proton spectroscopy, Ford JC; Wehrli FW, Magn Res Med 1991; **17:** 543

Legg-Calvé-Perthes disease: imaging with MR, Egund N; Wingstrand H, Radiology 1991; **179:** 89

magnetic resonance differentiation of acute and chronic osteomyelitis in children, Cohen MD; Cory DA; Kleiman M; et al, Clin Radiol 1990; **41:** 53

magnetic resonance imaging detection of early experimental periostitis: comarison of magnetic resonance imaging, computed tomography, and plain radiography with histopathologic correlation, Spaeth HJ; Chandnani VP; Beltran J; et al, Invest Radiol 1991; **26:** 304

magnetic resonance imaging in symptomatic Paget's disease, Kaufmann GA; Sundaram M; McDonald DJ, Skeletal Radiol 1991; **20:** 413

magnetic resonance imaging of musculoskeletal injuries, Deutsch AL; Mink JH, Radiol Clin North Am 1989; **27:** 983

modified epiphyseal index for MRI in Legg-Calve-Perthes disease (LCPD), Kumasaka Y; Harada K; Watanabe H; et al, Pediatr Radiol 1991; **21:** 208

MR appearance of fibrous dysplasia, Utz JA; Kransdorf MJ; Jelinek JS; et al, JCAT 1989; **13:** 845

MR demonstration of intraosseous beta-2-microglobulin amyloidosis, Kokubo T; Takatori Y; Okutsu I; et al, JCAT 1990; **14:** 1030

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

MR imaging of aneurysmal bone cysts, Munk PL; Helms CA; Holt RG; et al, AJR 1989; **153:** 99

MR imaging of early fibrodysplasia ossificans progressiva, Caron KH; DiPietro MA; Aisen AM; et al, JCAT 1990; **14:** 318

MR imaging of fractures of the growth plate, Jaramillo D; Hoffer FA; Shapiro F; et al, AJR 1990; **155:** 1261

MR imaging of periosteal and cortical changes of bone, Greenfield GB; Warren DL; Clark RA, Radiographics 1991; **11:** 611

MR imaging of periosteal and cortical changes of bone: authors' response, Greenfield GB, Radiographics 1991; **11:** 624

MR imaging of periosteal and cortical changes of bone: invited commentary, Hudson TM, Radiographics 1991; **11:** 624

multiple giant cell tumors and Paget disease of bone: radiographic and clinical correlations, Potter HG; Schneider R; Ghelman B; Healey JH; Lane JM, Radiology 1991; **180:** 261

musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Fletcher BD; Hanna SL, Radiology 1990; **177:** 287

musculoskeletal neoplasms: dynamic Gd-DTPA–enhanced MR imaging: reply, Erlemann R, Radiology 1990; **177:** 288

musculoskeletal neoplasms: static and dynamic Gd-DTPA–enhanced MR imaging, Erlemann R; Reiser MF; Peters PE; Vasallo P; Nommensen B; Kusnierz-Glaz CR; Ritter J; Roessner A, Radiology 1989; **171:** 767

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; **174:** 915

musculoskeletal radiology: RSNA '90 meeting notes, Murphy WA Jr; Conway WF; De Smet AA; Kaplan PA; Kneeland JB, Radiology 1991; **178:** 914

osteomyelitis: characteristics and pitfalls of diagnosis with MR imaging, Erdman WA; Tamburro F; Jayson HT; Weatherall PT; Ferry KB; Peshock RM, Radiology 1991; **180:** 533

Paget disease: MR imaging findings, Roberts MC; Kressel HY; Fallon MD; Zlatkin MB; Dalinka MK, Radiology 1989; **173:** 341

posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A, Radiology 1990; **175:** 767

post-traumatic osteolysis of the clavicle: MR features, Erickson SJ; Kneeland JB; Komorowski RA; et al, JCAT 1990; **14:** 835

short-term effect of exposure to intense magnetic fields on hematologic indices of bone metabolism, Papatheofanis FJ; Papatheofanis BJ, Invest Radiol 1989; **24:** 221

skeletal complications of type I Gaucher disease: the magnetic resonance features, Cremin BJ; Davey H; Goldblatt J, Clin Radiol 1990; **41:** 244

trabecular structure: preliminary application of MR interferometry, Wehrli FW; Ford JC; Attie M; Kressel HY; Kaplan FS, Radiology 1991; **179:** 615

Bones, necrosis

avascular necrosis: early MR imaging and histologic findings in a canine model, Brody AS; Strong M; Babikian G; et al, AJR 1991; **157:** 341

bone marrow scintigraphy in the diagnosis of post-traumatic avascular necrosis of bone, Tawn DJ; Watt I, Br J Radiol 1989; **62:** 790

bone necrosis and tumor induction following experimental intraoperative irradiation, Powers BE; Gillette EL; McChesney SL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 559

case report 552, Lagier R, Skeletal Radiol 1989; **18:** 331

case report 554, Archer AG; Nelson MC; Abbondanzo SL; et al, Skeletal Radiol 1989; **18:** 380

case report 669, Wuisman P; Erlemann R; Roessner A; et al, Skeletal Radiol 1991; **20:** 294

comparison of modern imaging modalities in osteonecrosis of the femoral head, Lee MJ; Corrigan J; Stack JP; et al, Clin Radiol 1990; **42:** 427

core decompression of the distal femur for avascular necrosis of the knee, (ab), Jacobs MA; Loeb PE; Hungerford DS, Radiology 1990; **174:** 589

diagnostic value of magnetic resonance imaging in nontraumatic osteonecrosis of the femoral head, (ab), Hauzeur JP; Pasteels JL; Schoutens A; et al, Radiology 1990; **174:** 589

does dysbaric osteonecrosis progress in the absence of further hyperbaric exposure? a 10-year radiologic follow-up of 15 patients, Van Blarcom ST; Czarnecki DJ; Fueredi GA; et al, AJR 1990; **155:** 95

evaluation of magnetic resonance imaging in the diagnosis of osteonecrosis of the femoral head, (ab), Robinson HJ; Hartleben PD; Lund G; et al, Radiology 1990; **174:** 589

Freiberg's disease in diabetes mellitus, Nguyen VD; Keh RA; Daehler RW, Skeletal Radiol 1991; **20:** 425

hemipelvis: an unusual site of osteonecrosis. a report of two cases, Sissons GRJ; Hayward MWJ, Clin Radiol 1989; **40:** 494

hip pain in three children accompanied by transient abnormal findings on MR images, Pay NT; Singer WS; Bartal E, Radiology 1989; **171:** 147

idiopathic punctate necrosis of the phalanges of the feet, Keats TE; Johnson RR; Fechner RE, Skeletal Radiol 1989; **18:** 25

intraosseous fat necrosis associated with acute pancreatitis: MR imaging, Haller J; Greenway G; Resnick D; Kindynis P; Kang HS, Radiology 1989; **173:** 193

Legg-Calvê-Perthes disease: imaging with MR, Egund N; Wingstrand H, Radiology 1991; **179:** 89

modified epiphyseal index for MRI in Legg-Calve-Perthes disease (LCPD), Kumasaka Y; Harada K; Watanabe H; et al, Pediatr Radiol 1991; **21:** 208

MR of osteochondritis dissecans and avascular necrosis of the mandibular condyle, Schellhas KP; Wilkes CH; Fritts HM; et al, AJNR 1989; **10:** 3

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; **174:** 915

osteonecrosis of the knee after arthroscopic surgery: diagnosis with MR imaging, Brahme SK; Fox JM; Ferkel RD; Friedman MJ; Flannigan BD; Resnick DL, Radiology 1991; **178:** 851

osteoradionecrosis of the temporal bone: a surgical technique of treatment, (ab), Ma KH; Fagan PA, Radiology 1989; **170:** 589

persistent femoral neck cysts in healed Legg-Perthes' disease: a clue to the etiology of simple bone cyst?, Sener RN, Pediatr Radiol 1989; **19:** 496

septic osteoradionecrosis of the mandible associated with pathological fracture: report of two cases, Millett DT; Chapple ILC; Hirschmann PN; et al, Clin Radiol 1990; **41:** 408

spontaneous osteonecrosis of the knee: value of MR imaging in determining prognosis, Björkengren AG; AlRowaih A; Lindstrand A; et al, AJR 1990; **154:** 331

use of coronal computed tomography in the evaluation of Kienbock's disease, Friedman L; Yong-Hing K; Johnston GH, Clin Radiol 1991; **44:** 56

using MR imaging to probe the pathophysiology of osteonecrosis, Mitchell DG, Radiology 1989; **171:** 25

Bones, neoplasms

See Bone neoplasms

Bones, osteochondrodysplasias

acampomelic campomelic dysplasia, Macpherson RI; Skinner SA; Donnenfeld AE, Pediatr Radiol 1989; **20:** 90

antenatal sonographic appearance of spondyloepiphyseal dysplasia congenita, Kirk JS; Comstock CH, J Ultrasound Med 1990; **9:** 173

Antley-Bixler syndrome: description of two patients, Bianchi E; Cordini S; Fiori P; et al, Skeletal Radiol 1991; **20:** 339

basilar impression and osteogenesis imperfecta in a three-year-old girl: CT and MRI, Rush PJ; Berbrayer D; Reilly BJ, Pediatr Radiol 1989; **19:** 142

benign osteopetrosis, Rosenthall L, Clin Nucl Med 1990; **15:** 412

bilateral split-hand with bilateral tibial aplasia, Sener RN; Isikan E; Diren HB; et al, Pediatr Radiol 1989; **19:** 258

bone densitometry of osteopetrosis in an adolescent girl, Joyce JM; Malluche HH; Coon JS; et al, Clin Nucl Med 1990; **15:** 48

bone marrow scintigraphy and MRI in a patient with osteopetrosis, Otsuka N; Fukunaga M; Ono S; et al, Clin Nucl Med 1991; **16:** 443

bone scintigraphy in polyostotic fibrous dysplasia resembling multiple bone metastases, Hardoff R; Eisenberg D; Gross B, Clin Nucl Med 1989; **14:** 928

case report 512, Ziv N; Grunebaum M; Kornreich L; et al, Skeletal Radiol 1989; **17:** 598

case report 548, Banskota AK; Mayo-Smith W; Rajbhandari S; et al, Skeletal Radiol 1989; **18:** 318

case report 655, Borenstein ZCF; Mink J; Oppenheim W; et al, Skeletal Radiol 1991; **20:** 134

case report 668, Schwartz GJ; Brion LP; Corey HE; et al, Skeletal Radiol 1991; **20:** 447

case report: tibia vara caused by focal fibrocartilaginous dysplasia, Husein AMA; Kale VR, Clin Radiol 1989; **40:** 104

cerebrovascular occlusive complications in osteopetrosis major, Wilms G; Casaer P; Alliet P; et al, Neuroradiol 1990; **32:** 511

computed tomography in the diagnosis of dysplasia epiphysealis hemimelica, Gerscovich EO; Greenspan A, J Canad Assoc Radiol 1989; **40:** 313

cranial CT of autosomal recessive osteopetrosis, Bartynski WS; Barnes PD; Wallman JK, AJNR 1989; **10:** 543

cranial MR imaging in rhizomelic chondrodysplasia punctata, Williams DW III; Elster AD; Cox TD, AJNR 1991; **12:** 363

cranial osteopetrosis: MR findings, Demirci A; Sze G, AJNR 1991; **12:** 781

cranio-facial melorheostosis: case report and review of the literature, Williams JW; Monaghan D; Barrington NA, Br J Radiol 1991; **64:** 60

differentiation of child abuse and osteogenesis imperfecta: medical and legal implications, Kleinman PK, AJR 1990; **154:** 1047

differentiation of child abuse from osteogenesis imperfecta, Ablin DS; Greenspan A; Reinhart MA; et al, AJR 1990; **154:** 1035

dominant craniometaphyseal dysplasia—a family study over five generations, Taylor DB; Sprague P, Australas Radiol 1989; **33:** 84

dysplasia epiphysealis hemimelica, Silverman FN, Semin Roentgenol 1989; **24:** 246

dysplastic cortical hyperostosis: a new form of lethal neonatal dwarfism, Kozlowski K; Tsuruta T, Br J Radiol 1989; **62:** 376

early-onset primary osteoarthritis and mild chondrodysplasia: radiographic and pathologic studies with an analysis of cartilage proteoglycans, (ab), Katzenstein PL; Malemud CJ; Pathria MN; et al, Radiology 1990; **177:** 894

familial x-linked unilateral carpal hypoplasia/dysplasia—a new syndrome: report of four cases, Kozlowski K; Pietron K, Pediatr Radiol 1989; **19:** 261

from the archives of the AFIP: fibrous dysplasia, Kransdorf MJ; Moser RP Jr; Gilkey FW, Radiographics 1990; **10:** 519

geleophysic dysplasia: a storage disorder affecting the skin, bone, liver, heart, and trachea, (ab), Shohat M; Gruber HE; Pagon RA; et al, Radiology 1991; **180:** 296

glenoid hypoplasia: assessment of computed tomographic arthrography, Manns RA; Davies AM, Clin Radiol 1991; **43:** 316

Hajdu-Cheney syndrome: a case report and review of the literature, Diren HB; Kovanlikaya I; Süller A; et al, Pediatr Radiol 1990; **20:** 568

Hutchinson-Gilford progeria syndrome in siblings: report of three new cases, Monu JUV; Benka-Coker LBO; Fatunde Y, Skeletal Radiol 1990; **19:** 585

hypothalamic-pituitary dwarfism: comparison between MR imaging and CT findings, Maghnie M; Triulzi F; Larizza D; et al, Pediatr Radiol 1990; **20:** 229

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; **172:** 1

lethal short-rib with median cleft and without polydactyly: a fourth case, van Maldergem L; Gillerot Y; Salmin E; et al, Pediatr Radiol 1990; **20:** 367

magnetic resonance imaging in the assessment of medullary compression in achondroplasia, (ab), Thomas IT; Frias JL; Williams JL; et al, Radiology 1989; **171:** 888

Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Eich GF; Silver MM; Weksberg R; Daneman A; Costa T, Radiology 1991; **181:** 183

McCune-Albright syndrome: the patterns of scintigraphic abnormalities, Pfeffer S; Molina E; Feuillan P; et al, J Nucl Med 1990; **31:** 1474

melorheostosis of the toe: a case report, Sudo A; Ogihara Y; Kusano I; et al, Australas Radiol 1990; **34:** 181

membranous lipodystrophy: MR imaging appearance of the brain, Araki T; Ohba H; Monzawa S; Sakuyama K; Hachiya J; Seki T; Takahashi Y; Yamaguchi M, Radiology 1991; **180:** 793

Michel dysplasia: common cavity inner ear deformity, Kavanagh KT; Magill HL, Pediatr Radiol 1989; **19:** 343

micromelic bone dysplasia with cloverleaf skull, Andersen PE Jr; Kock K, Skeletal Radiol 1989; **17:** 551

MRI in Cockayne syndrome type I, Boltshauser E; Yalcinkaya C; Wichmann W; et al, Neuroradiol 1989; **31:** 276

MRI in the diagnosis of Cockayne's syndrome: one case, Demaerel P; Wilms G; Verdru P; et al, J Neuroradiol 1990; **17:** 157

MR imaging of the craniovertebral junction, cranium, and brain in children with achondroplasia, Kao SCS; Waziri MH; Smith WL; et al, AJR 1989; **153:** 565

MR of multiple cranial neuropathies in a patient with Camurati-Engelmann disease: case report, Applegate LJ; Applegate GR; Kemp SS, AJNR 1991; **12:** 557

nail-patella syndrome: hereditary onchyo-osteodysplasia diagnosis by Tc-99m MDP bone scan, Howard JL; Moore WH; Dhekne RD, Clin Nucl Med 1990; **15:** 53

new lethal sclerosing bone dysplasia, Kingston HM; Freeman JS; Hall CM, Skeletal Radiol 1991; **20:** 117

new type of lethal short-limbed dwarfism, Nairn ER; Chapman S, Pediatr Radiol 1989; **19:** 253

normal sonographic appearance of a thanatophoric dwarf variant fetus at 13 weeks gestation, Macken MB; Grantmyre EB; Rimoin DL; et al, AJR 1991; **156:** 149

osteogenesis imperfecta associated with basilar impression and cerebral atrophy: a case report, Brooks ML; Gall C; Wang A-M; et al, Comput Med Imag Graph 1989; **13:** 363

osteogenesis imperfecta tarda: appearance of the temporal bones at CT, Tabor EK; Curtin HD; Hirsch BE; May M, Radiology 1990; **175:** 181

osteogenesis inperfecta type II: prenatal sonographic diagnosis, Munoz C; Filly RA; Golbus MS, Radiology 1990; **174:** 181

osteopathia striata with cranial sclerosis, Mohan V; Gupta SK; Bhushan B, Australas Radiol 1990; **34:** 249

osteopetrosis: nuclear medicine pathophysiologic correlation, Palestro CJ; Fineman DS; Solomon RW; et al, Clin Nucl Med 1989; **14:** 854

Pena–Shokeir type I syndrome: in utero sonographic appearance, Genkins SM; Hertzberg BS; Bowie JD; et al, JCU 1989; **17:** 56

peripheral dysplasia: report of a new genetic syndrome, Bacha L; Brachimi L; Kozlowski K; et al, Pediatr Radiol 1989; **19:** 193

prenatal diagnosis of hypophosphatasia, DeLange M; Rouse GA, J Ultrasound Med 1990; **9:** 115

prenatal sonographic appearance and subsequent management of a fetus with oromandibular limb hypogenesis syndrome associated with pulmonary hypoplasia, Shechter SA; Sherer DM; Geilfuss CJ; et al, JCU 1990; **18:** 661

prenatal sonographic evaluation of short-limbed dwarfism: an algorithmic approach, Spirt BA; Oliphant M; Gottlieb RH; Gordon LP, Radiographics 1990; **10:** 217

quantification of bone mineralizaton by dual photon absorptiometry in osteopetrosis, Fig LM; Shulkin BL, Clin Nucl Med 1989; **14:** 544

radiographic features of craniometadiaphyseal dysplasia, wormian bone type, Langer LO Jr; Brill PW; Afshani E; et al, Skeletal Radiol 1991; **20:** 37

radiologic assessment of bones after Ilizarov procedures, Young JWR; Kovelman H; Resnik CS; Paley D, Radiology 1990; **177:** 89

Schmid-like metaphyseal chondrodysplasia simulating child abuse, Kleinman PK, AJR 1991; **156:** 576

scintigraphy in a patient with complicated osteopetrosis, Adams BK, Clin Nucl Med 1989; **14:** 323

severe dwarfism with cataracts. a new osteochondrodysplasia, Chapman S; Bundey S; Fletcher RF, Br J Radiol 1990; **63:** 971

short-limb skeletal dysplasias: evaluation of the fetal spine with sonography and radiography, Rouse GA; Filly RA; Toomey F; Grube GL, Radiology 1990; **174:** 177

shoulder in multiple epiphyseal dysplasia, (ab), Ingram RR, Radiology 1991; **181:** 615

sibs with a disorder resembling Blount disease (tibia vara), Schmidt H; Mundlos S; Spranger JW, Pediatr Radiol 1991; **21:** 316

skeletal abnormalities in Refsum's disease (heredopathia atactica polyneuritiformis), Plant GR; Hansell DM; Gibberd FB; et al, Br J Radiol 1990; **63:** 537

sponastrime dysplasia: a radiologic-pathologic correlation, Lachman RS; Stoss H; Spranger J, Pediatr Radiol 1989; **19:** 417

spondylo-epiphyso-metaphyseal dysplasia: an atypical variant, Vichi GF; Salti R; Galluzzi F; et al, Pediatr Radiol 1990; **21:** 78

spondylometaphyseal dysplasia, corner fracture type: a heritable condition associated with coxa vara, Langer LO Jr; Brill PW; Ozonoff MB; Pauli RM; Wilson WG; Alford BA; Pavlov H; Drake DG, Radiology 1990; **175:** 761

spondylo-metaphyseal dysplasia of Sutcliffe type, Kozlowski K; Bellemore MC, Br J Radiol 1989; **62:** 862

spondylometaphyseal dysplasias. a tentative classification, Maroteaux P; Spranger J, Pediatr Radiol 1991; **21:** 293

spondylometaphyseal dysplasia with hypercalcemia, Bagga A; Srivastava RN; Gupta S; et al, Pediatr Radiol 1989; **19:** 551

spondylometepiphyseal dysplasia congenita, Strudwick type, Shebib SM; Chudley AE; Reed MH, Pediatr Radiol 1991; **21:** 298

spondylothoracic dysplasia: clinical and sonographic diagnosis, Marks F; Hernanz-Schulman M; Horii S; et al, J Ultrasound Med 1989; **8:** 1

unusual radiographic manifestations of chondrodysplasia punctata, Lawrence JJ; Schlesinger AE; Kozlowski K; et al, Skeletal Radiol 1989; **18:** 15

value of bone scannning and computed tomography in fibrodysplasia ossificans progressiva, Carter SR; Davies AM; Evans N; et al, Br J Radiol 1989; **62:** 269

Van Buchem's disease with classical radiological features and appearances on cranial computed tomography, Cook JV; Phelps PD; Chandy J, Br J Radiol 1989; **62:** 74

Bones, osteoporosis

See Osteoporosis

Bones, primary disturbances of growth

x-linked hypophosphatemia in adults: prevalence of skeletal radiographic and scintigraphic features, Hardy DC; Murphy WA; Siegel BA; Reid IR; Whyte MP, Radiology 1989; **171:** 403

Bones, primary metabolic abnormalities

atypical radiological features of β-glucuronidase deficiency (mucopolysaccharidosis VII) occurring in an elderly patient from an inbred kindred, Chapman S; Gray RGF; Constable TJ; et al, Br J Radiol 1989; **62:** 491

bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143

computer assisted analysis of hand radiographs in infantile hypophosphatasia carriers, Chodirker BN; Roy D; Greenberg CR; et al, Pediatr Radiol 1991; **21:** 216

^{51}Cr-EDTA/^{99}Tc^{m}-MDP ratio: a simple non-invasive method for assessing renal osteodystrophy, Nisbet AP; Shaw P; Taube D; et al, Br J Radiol 1989; **62:** 438

deferoxamine-induced bone dysplasia in patients with thalassemia major, Brill PW; Winchester P; Giardina PJ; et al, AJR 1991; **156:** 561

MR imaging of cavitary lesions in the brain with Hurler/Scheie, Rauch RA; Friloux LA III; Lott IT, AJNR 1989; **10:** S1

mucolipidosis II: correlation between radiological features and histopathology of the bones, Pazzaglia UE; Beluffi G; Campbell JB; et al, Pediatr Radiol 1989; **19:** 406

neonatal mucolipidosis 2. the spontaneous evolution of early bone lesions and the effect of vitamin D treatment: report of two cases, Pazzaglia UE; Beluffi G; Danesino C; et al, Pediatr Radiol 1989; **20:** 80

osteodystrophy in liver cirrhosis: detection and treatment evaluation using $^{99}Tc^{m}$ methylene diphosphonate bone scintigraphy, Sezai S; Hirano M; Iwase T, Clin Radiol 1991; **43:** 32

pathology of metabolic bone disease, Rosenberg AE, Radiol Clin North Am 1991; **29:** 19

quantitative computed tomographic evaluation of femoral bone mineral content in renal osteodystrophy compared with radial photon absorptiometry, Sakurai K; Marumo F; Iwanami S; et al, Invest Radiol 1989; **24:** 375

quantitative microfacal radiography of children with renal osteodystrophy; comparison with laboratory and histological findings, Buckland-Wright JC; Spring MW; Mak RHK; et al, Br J Radiol 1990; **63:** 609

renal osteodystrophy, Sundaram M, Skeletal Radiol 1989; **18:** 415

renal osteodystrophy: radiological diagnosis compared with a new radioimmunoassay method of parathyroid hormone, Trattnig S; Hübsch P; Traindl O; et al, Acta Radiol 1990; **31:** 505

solitary, spontaneous cervical and large bone fractures in aluminum osteodystrophy, Sundaram M; Dessner D; Ballal S, Skeletal Radiol 1991; **20:** 91

Bones, radiography

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

comparison of digital and conventional musculoskeletal radiography: an observer performance study, Wegryn SA; Piraino DW; Richmond BJ; Schluchter MD; Uetani M; Freed HA; Meziane MA; Belhobek GA, Radiology 1990; **175:** 225

comparison of digital and conventional musculoskeletal radiography: observer performance study, Bramble JM; Murphey MD, Radiology 1990; **177:** 587

comparison of digital and conventional musculoskeletal radiography: observer performance study: reply, Wegryn SA; Piraino DW, Radiology 1990; **177:** 588

comparison of two different T-grain films in rare-earth screens with a standard film–screen combination for intravenous pyelography and bone examinations, Logan H; Daly L; Masterson J, Br J Radiol 1989; **62:** 237

digital skeletal radiography: spatial resolution requirements for detection of subperiosteal resorption, Murphey MD, AJR 1989; **152:** 541

improved imaging of bone with scan equalization radiography, Wandtke JC; Plewes DB, AJR 1991; **157:** 359

pseudopermeative skeletal lesions, Helms CA; Munk PL, Br J Radiol 1990; **63:** 461

storage phosphor versus screen-film radiography: effect of varying exposure parameters and unsharp mask filtering on the detectability of cortical bone defects, Prokop M; Galanski M; Oestmann JW; von Falkenhausen U; Rosenthal H; Reimer P; Nischelsky J; Reichelt S, Radiology 1990; **177:** 109

Bones, radionuclide studies

abnormal distribution of Tc-99m iminodiphosphonate due to iron dextran therapy, Hiltz A; Iles SE, Clin Nucl Med 1990; **15:** 818

absent or faint renal uptake on bone scan: etiology and significance in metastatic bone disease, Kim SE; Kim DY; Lee DS; et al, Clin Nucl Med 1991; **16:** 545

acute myelofibrosis: correlation of radiographic, bone scan, and biopsy findings, Marino GG; Robinson WL, J Nucl Med 1989; **30:** 251

appearance of fibrous dysplasia on In-111 labeled leukocyte scintigraphy, Swyer AJ; Palestro CJ; Kim CK; et al, Clin Nucl Med 1991; **16:** 133

arterial thrombosis and insufficiency causing diffusely decreased uptake by skeleton of a limb, Joyce JM; Conrad G; Shih W-J; et al, Semin Nucl Med 1991; **21:** 165

association between number and sites of new bone scan abnormalities and presence of skeletal metastases in patients with breast cancer, Jacobson AF; Stomper PC; Jochelson MS; et al, J Nucl Med 1990; **31:** 387

bone imaging in patients with unexpected elevation of serum alkaline phosphatase, Salomon CG; Ali A; Fordham EW, Clin Nucl Med 1989; **14:** 567

bone island (enostosis): clinical significance and radiologic and pathologic correlations, Greenspan A; Steiner G; Knutzon R, Skeletal Radiol 1991; **20:** 85

bone scan abnormalities in a child with Lyme disease, De Nef JJEM; Van der Vis-Melsen M, Clin Nucl Med 1990; **15:** 727

bone scanning in the early assessment of nasal bone graft viability, Ramsay SC; Yeates MG; Ho LCY, J Nucl Med 1991; **32:** 33

bone scans in the diagnosis of bone crisis in patients who have Gaucher disease, (ab), Katz K; Mechlis-Frish S; Cohen IJ; et al, Radiology 1991; **181:** 614

bone scans with one or two new abnormalities in cancer patients with no known metastases: frequency and serial scintigraphic behavior of benign and malignant lesions, Jacobson AF; Cronin EB; Stomper PC; Kaplan WD, Radiology 1990; **175:** 229

bone scintigraphy—an update, Merrick MV, Clin Radiol 1989; **40:** 231

bone scintigraphy in calcific discitis of childhood, Delpassand ES; Barron BJ; Gundzik JM, J Nucl Med 1990; **31:** 234

bone scintigraphy in nasopharyngeal carcinoma, Sundram FX; Chua ET; Goh ASW; et al, Clin Radiol 1990; **42:** 166

bone scintigraphy in polyostotic fibrous dysplasia resembling multiple bone metastases, Hardoff R; Eisenberg D; Gross B, Clin Nucl Med 1989; **14:** 928

bone SPECT in patients with persistent back pain after lumbar spine surgery, Lusins JO; Danielski EF; Goldsmith SJ, J Nucl Med 1989; **30:** 490

brown tumor of bone: a potential source of false-positive thallium-201 localization, Yang CJC; Seabold JE; Gurll NJ, J Nucl Med 1989; **30:** 1264

brucellosis simulating metastases on Tc-99m MDP bone scan, Elgazzar AH; Abdel-Dayem HM; Shible O, Clin Nucl Med 1991; **16:** 189

case of false-positive bone imaging, Tondeur M; Ham HR, Clin Nucl Med 1989; **14:** 547

clinical radionuclide bone imaging, Holder LE, Radiology 1990; **176:** 607

clinical utility of prostate-specific antigen and bone scintigraphy in prostate cancer follow-up, Freitas JE; Gilvydas R; Ferry JD; et al, J Nucl Med 1991; **32:** 1387

cold defects in In-111 labeled leukocyte imaging of osteomyelitis in the axial skeleton, Eisenberg B; Powe JE; Alavi A, Clin Nucl Med 1991; **16:** 103

combined leukocyte and bone imaging used to evaluate diabetic osteoarthropathy and osteomyelitis, Splittgerber GF; Spiegelhoff DR; Buggy BP, Clin Nucl Med 1989; **14:** 156

common bone features in osteomalacia, secondary hyperparathyroidism, and renal osteodystrophy, Verlooy H; De Roo M; Mortelmans L; et al, Clin Nucl Med 1991; **16:** 372

correlation of prostate-specific antigen and technetium-99m HMDP bone imaging, Shih W-J; Wierzbinski B; Collins J; et al, Clin Nucl Med 1990; **14:** 750

cortical bone metastases, Hendrix RW; Rogers LF; Davis TM Jr, Radiology 1991; **181:** 409

^{51}Cr-EDTA/$^{99}Tc^{m}$-MDP ratio: a simple non-invasive method for assessing renal osteodystrophy, Nisbet AP; Shaw P; Taube D; et al, Br J Radiol 1989; **62:** 438

diagnosis of osteomyelitis of the foot in diabetic patients: value of ^{111}In-leukocyte scintigraphy, Larcos G; Brown ML; Sutton RT, AJR 1991; **157:** 527

diaphyseal bone disease: scintigraphic-radiographic correlation, Shier CK; Thrall JH; Kottamasu SR; Krasicky GA; Ellis BI, Radiographics 1989; **9:** 129

diffuse jaw uptake: an unusual finding in neurofibromatosis, Hardoff R; Gips S; Front A, Clin Nucl Med 1991; **16:** 527

duration of etidronate effect demonstrated by serial bone scintigraphy, Sandler ED; Parisi MT; Hattner RS, J Nucl Med 1991; **32:** 1782

dynamic bone imaging in the investigation of local bone pathology—when is it useful?, Wardlaw JM; Best JJK; Hughes SPF, Clin Radiol 1991; **43:** 107

evaluation of plantar fasciitis by three-phase bone scintigraphy, Intenzo CM; Wapner KL; Park CH; et al, Clin Nucl Med 1991; **16:** 325

extensive extraosseous localization of bone imaging agent in a patient with renal failure and rhabdomyolysis accompanied by combined hypercalcemia and hyperphosphatemia, Shih W-J; Flueck J; O'Connor W; et al, Clin Nucl Med 1989; **14:** 163

extensive Paget's disease demonstrated on In-111 WBC scanning, Iles SE, Clin Nucl Med 1990; **15:** 652

extraosseus uptake with bone scintigraphy: renal mesenchymal chondrosarcoma with metastasis, Karanauskas S; Wells RG; Sty JR, Clin Nucl Med 1991; **16:** 375

F-18 fluorodeoxyglucose: its potential in differentiating between stress fracture and neoplasia, Paul R; Ahonen A; Virtama P; et al, Clin Nucl Med 1989; **14:** 906

false-positive artifact in the investigation of osteitis pubis, Murray IPC; Bass S, Clin Nucl Med 1991; **16:** 597

frostbite injury: prediction of tissue viability with triple-phase bone scanning, Mehta RC; Wilson MA, Radiology 1989; **170:** 511

giant tumoral calcinosis demonstrated by bone scintigraphy, Hardoff R; Rudoy J; Gips S; et al, Clin Nucl Med 1991; **16:** 279

growth plate fracture: an acute fracture of the proximal tibia with a photopenic defect on bone scintigraphy, Wegener WA; Heyman S, Clin Nucl Med 1990; **15:** 447

hereditary tyrosinemia: unusual imaging distribution of gallium-67 citrate, Malinoff HL; Mountz JM; Wilson MW, Clin Nucl Med 1989; **14:** 229

HIV-associated myositis detected by radionuclide bone scanning, Scott JA; Palmer EL; Fischman AJ, J Nucl Med 1989; **30:** 556

hot clot sign: a new finding in deep venous thrombosis on bone scintigraphy, Zuckier LS; Patel KA; Wexler JP; et al, Clin Nucl Med 1990; **15:** 790

identification of an infected seroma by triple-phase bone scintigraphy and instillation of Tc-99m sulfur colloid, Hicks RJ; Gross MD, Clin Nucl Med 1991; **16:** 268

incidental demonstration of cerebral infarction on bone scintigraphy in sickle cell disease, Hung G-L; Stewart CA; Yeo E; et al, Clin Nucl Med 1990; **15:** 671

indium-111-chloride and three-phase bone scintigraphy: a comparison for imaging experimental osteomyelitis, Hoskinson JJ; Daniel GB; Patton CS, J Nucl Med 1991; **32:** 67

indium-111-leukocyte/technetium-99m-MDP bone and magnetic resonance imaging: difficulty of diagnosing osteomyelitis in patients with neuropathic osteoarthropathy, Seabold JE; Flickinger FW; Kao SCS; et al, J Nucl Med 1990; **31:** 549

interpretation of bone scans using a video display: a necessary step toward a filmless nuclear medicine department, Arnstein NB; Chen DCP; Siegel ME, Clin Nucl Med 1990; **15:** 418

in vivo SPECT quantitation of bone metabolism in hyperparathyroidism and thyrotoxicosis, Israel O; Front D; Hardoff R; et al, J Nucl Med 1991; **32:** 1157

Klebsiella pneumoniae osteomyelitis: demonstration by three-phase radionuclide bone imaging, Sanders JA, J Nucl Med 1989; **30:** 1412

leuprolide therapy for prostate cancer: an association with scintigraphic "flare" on bone scan, Johns WD; Garnick MB; Kaplan WD, Clin Nucl Med 1990; **15:** 485

McCune-Albright syndrome: the patterns of scintigraphic abnormalities, Pfeffer S; Molina E; Feuillan P; et al, J Nucl Med 1990; **31:** 1474

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Francke JM; Murray JL, Radiology 1990; **174:** 147

multifocal skeletal uptake of labeled leukocytes: infection versus tumor metastasis, Wahner-Roedler DL, J Nucl Med 1990; **31:** 1543

multimodality imaging of early heterotopic bone formation, Laurin NR; Powe JE; Pavlosky WF; et al, J Canad Assoc Radiol 1990; **41:** 93

nail-patella syndrome: hereditary onchyo-osteodysplasia diagnosis by Tc-99m MDP bone scan, Howard JL; Moore WH; Dhekne RD, Clin Nucl Med 1990; **15:** 53

natural course of radionuclide bone scanning in the evaluation of total knee replacement–a 2 year prospective study, Duus BR; Boeckstyns M; Stadeager C, Clin Radiol 1990; **41:** 341

nonosseous accumulation of bone-seeking radiopharmaceuticals, Gentili A; Miron SD; Bellon EM, Radiographics 1990; **10:** 871

nuclear medicine bone image and myositis ossificans progressiva, Guze BH; Schelbert H, Clin Nucl Med 1989; **14:** 161

nuclear medicine imaging of systemic mastocytosis, Arrington ER; Eisenberg B; Hartshorne MF; et al, J Nucl Med 1989; **30:** 2046

nuclear medicine. RSNA '88 meeting notes, Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM, Radiology 1989; **170:** 604

osteomyelitis: diagnosis with In-111–labeled leukocytes, Schauwecker DS, Radiology 1989; **171:** 141

osteopetrosis: nuclear medicine pathophysiologic correlation, Palestro CJ; Fineman DS; Solomon RW; et al, Clin Nucl Med 1989; **14:** 854

periostitis due to low-dose fluoride intoxication demonstrated by bone scanning, Weingrad TR; Eymontt MJ; Martin JH; et al, Clin Nucl Med 1991; **16:** 59

photopenic areas on bone scanning associated with childhood leukemia, Morrison SC; Adler LP, Clin Nucl Med 1991; **16:** 24

pitfalls of bone scintigraphy in suspected hip fractures, Lewis SL; Rees JIS; Thomas GV; et al, Br J Radiol 1991; **64:** 403

pixel overflow artifacts in SPECT evaluation of the skeleton, Bunker SR; Handmaker H; Torre DM; Schmidt WP, Radiology 1990; **174:** 229

polyostotic fibrous dysplasia as a mimic of bony metastatic disease, Jones DN; Marion M, Clin Nucl Med 1991; **16:** 55

potential pitfall in bone scanning by transcutaneous nitroglycerin, Gallini C; De Cicco C; Legnaioli M; et al, Clin Nucl Med 1990; **15:** 920

quantitative bone scintigraphy using SPECT, Front D; Israel O; Jerushalmi J; et al, J Nucl Med 1989; **30:** 240

radionuclide bone imaging in the early detection of fractures of the proximal femur (hip): multifactorial analysis, Holder LE; Schwarz C; Wernicke PG; Michael RH, Radiology 1990; **174:** 509

relation of radionuclide uptake by bone to the rate of calcium mineralization: I: experimental studies using ^{45}Ca, ^{32}P and $^{99}Tc^{m}$-MDP, Budd RS; Hodgson GS; Hare WSC, Br J Radiol 1989; **62:** 314

relation of radionuclide uptake by bone to the rate of calcium mineralization: II: patient studies using $^{99}Tc^{m}$-MDP, Budd RS; Hodgson GS; Hare WSC, Br J Radiol 1989; **62:** 318

resolution of metastatic calcification by bone imaging, Intenzo CM; Desai AG; Park CH, Clin Nucl Med 1989; **14:** 62

rhabdomyolysis detected by bone imaging, Sanders JA, Clin Nucl Med 1989; **14:** 431

role of single photon emission computed tomography in bone scintigraphy, Murray IPC; Dixon J, Skeletal Radiol 1989; **18:** 493

scintigraphic and CT findings of Tietze's syndrome: report of a case and review of the literature, Honda N; Machida K; Mamiya T; et al, Clin Nucl Med 1989; **14:** 606

scintigraphic and radiologic manifestations of yaws, duCret RP; Aafedt BC; Griffiths HJ; et al, Clin Nucl Med 1990; **15:** 580

scintigraphic detection of bone and joint infections with indium-111-labeled nonspecific polyclonal human immunoglobulin G, Oyen WJG; Claessens RAMJ; van Horn JR; et al, J Nucl Med 1990; **31:** 403

scintigraphic evaluation of regional migratory osteoporosis, Kim SM; Desai AG; Krakovitz M; et al, Clin Nucl Med 1989; **14:** 36

scintigraphic findings in congenital lipodystrophy, Yip T-CK; Houle S; Griffiths HJ, Clin Nucl Med 1989; **14:** 28

scintigraphic techniques in musculoskeletal trauma, McDougall IR; Rieser RP, Radiol Clin North Am 1989; **27:** 1003

scintigraphy in a patient with complicated osteopetrosis, Adams BK, Clin Nucl Med 1989; **14:** 323

sequential technetium-99m sulfur colloid/indium-111 white blood cell imaging in macroglobulinemia of Waldenstrom, Fink-Bennett D; Balon HR; Irwin R, Clin Nucl Med 1990; **15:** 389

serendipitous diagnosis of a pseudoaneurysm by the three-phase bone scan, St. George JK; Heyman S; Corcoran TR, Clin Nucl Med 1991; **16:** 446

serendipitous diagnosis of hyperthyroidism with Tc-99m bone scan, Norbash AM; DeLong SR, Clin Nucl Med 1991; **16:** 526

serendipitous finding of transitional cell carcinoma of the kidney on bone and gallium imaging, Moreno AJ; Toney MAO; Griffith JC; et al, Clin Nucl Med 1991; **16:** 165

simple digital clubbing: characteristic bone scan appearance, Frates MC; Oates E, Clin Nucl Med 1990; **15:** 511

skeletal scintigraphy of multiple bone infarctions, Adcock KA; Roth JC, Clin Nucl Med 1989; **14:** 852

skeletal uptake of indium 111-labeled white blood cells, Abreu SH, Semin Nucl Med 1989; **19:** 152

small, solitary, focal "hot spots" on bone scans, Smith JJ; Teates CD, Semin Nucl Med 1990; **20:** 276

soft tissue uptake on Tc-99m MDP bone scan after cardioversion, Vanhecke W; Merckx E; De Roo M; et al, Clin Nucl Med 1989; **14:** 923

SPECT bone scintigraphy in assessment of cranial Paget's disease, Brixen K; Hansen HH; Mosekilde L; et al, Acta Radiol 1990; **31:** 549

subperiosteal abscess in children: scintigraphic appearance, Allwright SJ; Miller JH; Gilsanz V, Radiology 1991; **179:** 725

Tc-99m MDP bone imaging in inflammatory enthesopathy, Aburano T; Yokoyama K; Taki J; et al, Clin Nucl Med 1990; **15:** 105

technetium-99m bone scintigraphy and mandibular condylar hyperplasia, Henderson MJ; Wastie ML; Bromige M; et al, Clin Radiol 1990; **41:** 411

technetium-99m white blood cell imaging: false-negative result in salmonella osteomyelitis associated with sickle cell disease, Guze BH; Hawkins RA; Marcus CS, Clin Nucl Med 1989; **14:** 104

technique for intraoperative bone scintigraphy: a report of 17 cases, Klonecke AS; Licho R; McDougall IR, Clin Nucl Med 1991; **16:** 482

three-phase radionuclide bone imaging in stress injury of the anterior iliac crest, Rockett JF, J Nucl Med 1990; **31:** 1554

transient rib abnormalities on radionuclide bone imaging related to breast reconstruction surgery, Burke TS, Clin Nucl Med 1991; **16:** 127

triple-phase bone image abnormalities in Lyme arthritis, Brown SJ; Dadparvar S; Slizofski WJ; et al, Clin Nucl Med 1990; **14:** 730

use of three-phase bone imaging in vascularized fibular and iliac bone grafts, Itoh K; Minami A; Sakuma T; et al, Clin Nucl Med 1989; **14:** 494

value of bone scannning and computed tomography in fibrodysplasia ossificans progressiva, Carter SR; Davies AM; Evans N; et al, Br J Radiol 1989; **62:** 269

whole body retention of Tc-99m phosphate in Paget's disease of bone, Hadjipavlou A; Lisbona R; Garbuz D; et al, Clin Nucl Med 1991; **16:** 435

x-linked hypophosphatemia in adults: prevalence of skeletal radiographic and scintigraphic features, Hardy DC; Murphy WA; Siegel BA; Reid IR; Whyte MP, Radiology 1989; **171:** 403

Bones, sclerosis

condensing osteitis of the clavicle: a rare but frequently misdiagnosed condition, Greenspan A; Gerscovich E; Szabo RM; et al, AJR 1991; **156:** 1011

metaphyseal sclerosis in patients with chronic renal failure, Young W; Sevcik M; Tallroth K, Skeletal Radiol 1991; **20:** 197

metastatic calcification within bone: the main course of osteosclerosis in hypervitaminosis D3: radiologic-pathologic correlation, Jiang Y; Wang Y; Zhao J; et al, Invest Radiol 1990; **25:** 1188

osteomesopycnosis. a new case, Schmidt H; Mannkopf H; Ullrich K; et al, Pediatr Radiol 1989; **19:** 489

osteomesopyknosis: report of two new cases, Delcambre B; Flipo RM; Leroux JL; et al, Skeletal Radiol 1989; **18:** 21

osteosclerosis of the phalanges in Werner syndrome, Goto M; Kindynis P; Resnick D; Sartoris DJ, Radiology 1989; **172:** 841

Bones, surgery

intercalary bone allografts: radiographic evaluation, Kattapuram SV; Phillips WC; Mankin HJ, Radiology 1989; **170:** 137

radiographic features of bone lengthening procedures, Vade A; Eissenstat R, Radiology 1990; **174:** 531

radiologic assessment of bones after Ilizarov procedures, Young JWR; Kovelman H; Resnik CS; Paley D, Radiology 1990; **177:** 89

Bones, US

broadband ultrasound attenuation: a new diagnostic method in osteoporosis, Resch H; Pietschmann P; Bernecker P; et al, AJR 1990; **155:** 825

osteomyelitis: detection with US, Abiri MM; Kirpekar M; Ablow RC, Radiology 1989; **172:** 509

osteomyelitis: detection with US, Park CM; Chung KB; Sun WH, Radiology 1991; **178:** 890

osteomyelitis: detection with US: reply, Abiri M, Radiology 1991; **178:** 890

role of ultrasound in the early diagnosis and management of heterotopic bone formation, Thomas EA; Cassar-Pullicino VN; McCall IW, Clin Radiol 1991; **43:** 190

sonographic evaluation of bone production at the distraction site in Ilizarov limb-lengthening procedures, Young JWR; Kostrubiak IS; Resnik CS; et al, AJR 1990; **154:** 125

sonography of the musculoskeletal system, Kaplan PA; Matamoros A Jr; Anderson JC, AJR 1990; **155:** 237

spondylothoracic dysplasia: clinical and sonographic diagnosis, Marks F; Hernanz-Schulman M; Horii S; et al, J Ultrasound Med 1989; **8:** 1

ultrasonic appearances of the early changes in fibrodysplasia ossificans progressiva, McAteer EJ; Hallam LA; Hendry GMA, Br J Radiol 1990; **63:** 809

Book reviews

age-dependent doses to members of the public from intake of radionuclides. part 1. annals of the ICRP publication 56. , Reviewed by Hendry GMA, Radiology 1991; **179:** 318

Ahluwalia BD, ed, tomographic methods in nuclear medicine: physical principles, instruments and clinical applications, Reviewed by Rezai K, Radiology 1991; **180:** 134

Alazraki NP; Mishkin FS, fundamentals of nuclear medicine. 2d ed, Reviewed by Malamed DH, Radiology 1989; **172:** 104

Albisinni U, ed, diagnostica per immagini in traumatologia (diagnostic imaging of trauma), Reviewed by Cantor RM, Radiology 1991; **180:** 730

Amis ES Jr; Newhouse JH, essentials of uroradiology, Reviewed by Amendola MA, Radiology 1991; **181:** 134

Anderson JH, ed, innovations in diagnostic radiology, Reviewed by Martin DS, Radiology 1990; **175:** 732

Antes G; Eggemann F, small bowel radiology, Reviewed by Hazel JG Jr, Radiology 1989; **170:** 482

Ardaens Y; Lambert I; Guérin du Masgenêt B; Lemaitre L, eds, échographie pelvienne in gynécologie (pelvic ultrasound in gynecology), Reviewed by Barr LL, Radiology 1990; **175:** 52

Atlas SW, ed, magnetic resonance imaging of the brain and spine, Reviewed by Martin DS, Radiology 1991; **180:** 636

Auer LM; Van Velthoven V, intraoperative ultrasound imaging in neurosurgery, Reviewed by Menanteau BP, Radiology 1991; **178:** 378

Austrin MG; Austrin HR, learning medical terminology. 7th ed, Reviewed by Pahl DL, Radiology 1991; **181:** 640

Baillie TA; Jones JR, eds, synthesis and applications of isotopically labelled compounds, Reviewed by Efange SMN, Radiology 1990; **176:** 438

Ball J; Price T, eds, Chesney's radiographic imaging. 5th ed, Reviewed by Watson SL, Radiology 1990; **177:** 372

Ballinger PW, Merrill's atlas of radiographic positions and radiologic procedures. 7th ed, 3 vols, Reviewed by Skundberg PA, Radiology 1991; **180:** 676

Bard M; Laredo J-D, interventional radiology in bones and joints, Reviewed by Howard BA, Radiology 1989; **172:** 960

Barentsz JO; Debruyne FMJ; Ruijs SHJ, magnetic resonance imaging of carcinoma of the urinary bladder, Reviewed by Amendola MA, Radiology 1991; **181:** 848

Barkovich AJ, ed, pediatric neuroimaging, Reviewed by Martin DS, Radiology 1990; **177:** 196

Barrett CP; Poliakoff SJ; Holder LE, primer of sectional anatomy with MRI and CT correlation, Reviewed by Matthews JF, Radiology 1991; **179:** 698

Bauer R; Stettmeier H; Morike KD; Bauer U, atlas of MR tomography. pt 3, heart and thorax, Reviewed by Tylen U, Radiology 1989; **172:** 466

Beckers C; Goffinet A; Bol A, eds, positron emission tomography in clinical research and clinical diagnosis, Reviewed by Garnett S, Radiology 1990; **175:** 822

Beltran J, MRI: musculoskeletal system, Reviewed by Pope TL Jr, Radiology 1991; **179:** 638

Bentel GC; Nelson CE; Noell KT, treatment planning and dose calculation in radiation oncology. 4th ed, Reviewed by Meding CJ, Radiology 1990; **176:** 398

Berek JS; Hacker NF, practical gynecologic oncology, Reviewed by Steinfeld AD, Radiology 1989; **172:** 402

Berguist TH, ed, radiology of the foot and ankle, Reviewed by Kathol MH, Radiology 1989; **173:** 170

Bernier DR; Christian PE; Langan JK; Wells LD, eds, nuclear medicine technology and techniques. 2nd ed, Reviewed by Brown PH, Radiology 1989; **173:** 70

Berquist TH, ed, MRI of the musculoskeletal system. 2nd ed, Reviewed by Everson LI, Radiology 1991; **180:** 408

Beyer D; Modder U, eds, diagnostic imaging of the acute abdomen, Reviewed by Hazel JG Jr, Radiology 1990; **174:** 114

Bisset RAL; Khan AN, differential diagnosis in abdominal ultrasound, Reviewed by Malamed DH, Radiology 1990; **177:** 506

Blank N Jr, chest radiographic analysis, Reviewed by Matthews JF, Radiology 1990; **175:** 720

Bleehen NM, ed, radiobiology in radiotherapy, Reviewed by Gahbauer RA, Radiology 1989; **171:** 852

Bo WJ; Wolfman NT; Krueger WA; Meschan I, eds, basic atlas of sectional anatomy with correlated imaging, 2nd ed, Reviewed by Aaron JO, Radiology 1990; **176:** 140

Bohndorf K; Adam G; Linden A, MR-tomographie des skeletts und der peripheren weichteile (magnetic resonance imaging of the skeleton and peripheral soft tissue), Reviewed by Oestreich AE, Radiology 1991; **181:** 48

Bomford CK; Dawes PJDK; Lillicrap SC; Young J, treatment simulators. *British Journal of Radiology* supplement 23, Reviewed by Barish RJ, Radiology 1990; **177:** 406

Bowerman RA, atlas of normal fetal ultrasonographic anatomy, Reviewed by Letourneau JG, Radiology 1989; **171:** 154

Bradley WC; Bydder G, MRI atlas of the brain, Reviewed by Engeler CE, Radiology 1991; **178:** 322

Bradley WG Jr; Brant-Zawadzki M, eds, MRI of the brain I: non-neoplastic disease, Reviewed by Elster AD, Radiology 1991; **180:** 462

Bradshaw JR, brain imaging: an introduction, Reviewed by Capusten BM, Radiology 1990; **175:** 200

Bragg DG, ed, 1990 year book of diagnostic radiology, Reviewed by Hazel JG Jr, Radiology 1991; **178:** 200

Brant-Zawadzki M; Bradley WG Jr, eds, MRI of the brain II: non-neoplastic disease, Reviewed by Elster AD, Radiology 1991; **180:** 462

Bret P; Cuche C; Schmutz G, radiology of the small intestine, Reviewed by Hazel JG Jr, Radiology 1990; **177:** 162

Brower AC, arthritis in black and white, Reviewed by Beier-Hanratty SA, Radiology 1989; **170:** 132

Brown JJ; Higgins CB, pocket atlas of cardiac and thoracic MRI, Reviewed by Griffiths HJ, Radiology 1989; **173:** 712

Brundage BH, ed, comparative cardiac imaging: function, flow, anatomy, and quantitation, Reviewed by Stolberg HO, Radiology 1991; **178:** 356

Bury RF, radiology: practical guides for general practice 3, Reviewed by Griffiths HJ, Radiology 1989; **172:** 94

Bush WH, ed, urologic imaging and interventional techniques, Reviewed by Hopper KD, Radiology 1990; **174:** 1042

Butler P, ed, imaging of the nervous system, Reviewed by Hopper KD, Radiology 1991; **178:** 810

Cady EB, clinical magnetic resonance spectroscopy, Reviewed by Ellermann JM, Radiology 1991; **180:** 760

Cahill DR; Orland MJ; Reading CC, eds, atlas of human cross-sectional anatomy: with CT and MR images. 2nd ed, Reviewed by Hopper KD, Radiology 1991; **178:** 382

Calder JF; Chessell G, atlas of radiological interpretation: the bones, Reviewed by Moser RP Jr, Radiology 1989; **171:** 86

Callen PW, ed, ultrasonography in obstetrics and gynecology. 2d ed, Reviewed by Hazel JG Jr, Radiology 1989; **171:** 444

Carroll QB, Fuchs's principles of radiographic exposure, processing and quality control. 4th ed, Reviewed by Frank ED, Radiology 1991; **179:** 336

Carter SP, writing for your peers: the primary journal paper, Reviewed by Martin DS, Radiology 1989; **170:** 400

Caseldine J; Blamey R; Roebuck E; Elston C, breast disease for radiographers, Reviewed by Hoemke GF, Radiology 1989; **172:** 138

Castaneda-Zuniga WR; Tadavarthy SM, interventional radiology, Reviewed by Hopper KD; Yakes WF, Radiology 1989; **171:** 782

Cavézian R; Pasquet G, imagerie et diagnostic en odonto-stomatologie (diagnostic imaging of the teeth and jaws), Reviewed by Berger N, Radiology 1990; **175:** 422

Chalmers AG; McKillop JH; Robinson PJA, imaging in clinical practice, Reviewed by Swan TL, Radiology 1989; **172:** 640

Chalmers AG; McKillop JH; Robinson PHA, imaging in clinical practice, Reviewed by Malamed DH, Radiology 1989; **173:** 730

Chapman S; Nakielny R, aids to radiological differential diagnosis. 2nd ed, Reviewed by Julien WH, Radiology 1991; **181:** 548

Chervenak FA; Isaacson G; Lorber J, anomalies of the fetal head, neck and spine: ultrasound diagnosis and management, Reviewed by Toi A, Radiology 1989; **170:** 628

Chew FS, skeletal radiology: the bare bones, Reviewed by Engel MR, Radiology 1990; **176:** 154

Chisin R, ed, MRI/CT and pathology in head and neck tumors: a correlative study, Reviewed by Hopper KD, Radiology 1991; **181:** 454

Comerota AJ, thrombolytic therapy, Reviewed by Playfair LD, Radiology 1989; **170:** 1058

Conte PF; Rosso R; Ragni N; Vermorken JB, eds, multimodal treatment of ovarian cancer, Reviewed by Steinfeld AD, Radiology 1989; **171:** 702

Cookson JB; Finlay JBL, essential chest radiology, Reviewed by Comunale JP Jr, Radiology 1989; **172:** 1022

Cope C; Burke D; Meranze S, atlas of interventional radiology, Reviewed by Stavas JM, Radiology 1991; **179:** 24

Corrin B, systemic pathology: the lungs. 3rd ed, Reviewed by Tashjian JH, Radiology 1991; **181:** 368

Cox PH, ed, radiopharmacy and radiopharmacology yearbook 2, Reviewed by Russ GA, Radiology 1989; **170:** 406

Cox PH, ed, radiopharmacy and radiopharmacology yearbook, Reviewed by Efange SMN, Radiology 1989; **173:** 340

Craig M, pocket guide to ultrasound measurements, Reviewed by Martin DS, Radiology 1989; **170:** 890

Cranley JJ Jr; Karkow WS; Baldridge ED, atlas of duplex scanning: carotid arteries, Reviewed by Gramiak R, Radiology 1990; **174:** 986

Curry TS III; Dowdey JE; Murry RC Jr, Christensen's physics of diagnostic radiology. 4th ed, Reviewed by Engeler CE, Radiology 1991; **180:** 766

Czembirek H; Fruhwald F; Gritzmann N, eds, kopf-hals-sonography (head and neck sonography), Reviewed by Oestreich AE, Radiology 1989; **172:** 344

Czervionke LF; Haughton VM, pocket atlas of spinal MRI, Reviewed by Low R, Radiology 1990; **177:** 722

Dähnert W, radiology review manual, Reviewed by Olson PN, Radiology 1991; **180:** 402

Datz FL, handbooks in radiology: nuclear medicine, Reviewed by Engeler CM, Radiology 1989; **171:** 94

Dean MRE; West TET, basic anatomy and physiology for radiographers. 3d ed, Reviewed by Watson SL, Radiology 1989; **170:** 154

DelBalso AM, maxillofacial imaging, Reviewed by Martin DS, Radiology 1991; **178:** 432

DeLuca HF; Mazess R, osteoporosis: physiological basis, assessment and treatment, Reviewed by Griffiths HJ, Radiology 1990; **177:** 126

Dequeker JV; Geusens P; Wahner HW, eds, bone mineral measurements by photon absorptiometry: methodological problems, Reviewed by Griffiths HJ, Radiology 1989; **173:** 334

De Schepper AMA; Degryse HRM, magnetic resonance imaging of bone and soft tissue tumors and their mimics, Reviewed by Listinsky JJ, Radiology 1990; **177:** 94

DeVos DC, basic principles of radiographic exposure, Reviewed by Skundberg P, Radiology 1990; **175:** 678

Dihlmann W; Frommhold W, eds, Knochen-Gelenke-Weichteile I (bones, joints, soft tissues I), pt I of vol 6 of Schinz: radiologische diagnostik in klinik und praxis (diagnostic radiology in clinical practice). 7th ed, Reviewed by Oestreich AE, Radiology 1990; **175:** 744

Dobelbower RR Jr, ed, gastrointestinal cancer: radiation therapy, Reviewed by Sullivan JW, Radiology 1991; **178:** 572

Dobranowski J; Stringer DA; Somers S; Stevenson GW, procedures in gastrointestinal radiology, Reviewed by Engel MR, Radiology 1990; **177:** 702

Dodson MG, transvaginal ultrasound, Reviewed by Menanteau BP, Radiology 1991; **181:** 744

Dolan KD; Jacoby CG; Smoker WRK, radiology of facial injury. 2d ed, Reviewed by Unger JM, Radiology 1989; **171:** 104

Dondelinger RF; Rossi P; Kurdziel JC; Wallace S, eds, interventional radiology, Reviewed by Gerlock AJ Jr, Radiology 1991; **179:** 394

Doyle T; Hare WSC; Thomson K; Tess B, procedures in diagnostic radiology, Reviewed by Hite SH, Radiology 1990; **176:** 14

Drafke MW, trauma and mobile radiography, Reviewed by Skundberg PA, Radiology 1990; **176:** 354

Dublin AB, outpatient invasive radiologic procedures, Reviewed by Sener RN, Radiology 1990; **174:** 458

Duck FA, physical properties of tissues, Reviewed by Hammer BE, Radiology 1991; **181:** 128

Dunnick NR; McCallum RW; Sandler CM, textbook of uroradiology, Reviewed by Amendola MA, Radiology 1991; **181:** 438

Edeiken J; Dalinka M; Karasick D, Edeiken's roentgen diagnosis of diseases of bone. 4th ed, 2 vols, Reviewed by Bohrer SP, Radiology 1990; **177:** 82

Edelman RR; Hesselink JR, eds, clinical magnetic resonance imaging, Revi wed by Hazel JG Jr, Radiology 1990; **177:** 114

editor's page: reviews of foreign-language books in *Radiology*, Oestreich AE, Radiology 1989; **172:** 600

Edwards DL; Mayhew TB; Argetsinger W, anatomy flash cards: musculature, Reviewed by Griffiths HJ, Radiology 1991; **180:** 392

Eisenberg B, ed, imaging of the thyroid and parathyroid glands: a practical guide, Reviewed by Hazel JG Jr, Radiology 1991; **181:** 682

Eisenberg R, gastrointestinal radiology: a pattern approach, Reviewed by Trenkner SW, Radiology 1990; **175:** 462

Eisenberg RL; Dennis CA; May C, radiographic positioning, Reviewed by Watson SL, Radiology 1990; **174:** 796

Eisenberg RL; Dennis CA, comprehensive radiographic pathology, Reviewed by Skundberg PA, Radiology 1991; **180:** 436

El-Khoury GY; Bergman RA; Montgomery WJ, sectional anatomy by MRI/CT, Reviewed by Olson PN, Radiology 1990; **177:** 718

Enzinger FM; Weiss SW, soft tissue tumors. 2d ed, Reviewed by Nelson D Jr, Radiology 1989; **172:** 776

Enzmann DR; DeLaPaz RL; Rubin JR, magnetic resonance of the spine, Reviewed by Martin DS, Radiology 1990; **176:** 800

Evans DH; McDicken WN; Skidmore R; Woodcock JP, Doppler ultrasound: physics, instrumentation and clinical applications, Reviewed by Ritenour ER, Radiology 1990; **177:** 346

Exner GU, normalwerte in der kinderothopädie (normal measurements in pediatric orthopedics), Reviewed by Oestreich AE, Radiology 1991; **179:** 494

Faerber EN, ed, digital subtraction imaging in infants and children, Reviewed by Bramson RT, Radiology 1990; **175:** 106

Farkas ML, cross-sectional anatomy for computed tomography, Reviewed by Llerena JM, Radiology 1989; **172:** 982

Federle MP; Megibow AJ; Naidich DP, eds, radiology of AIDS, Reviewed by Tashjian J, Radiology 1989; **171:** 718

Fentiman IS, detection and treatment of early breast cancer, Reviewed by Hazel JG Jr, Radiology 1991; **181:** 358

Ferrucci JT; Mathieu D, eds, advances in hepatobiliary radiology, Reviewed by Olmsted WW, Radiology 1990; **176:** 496

Ferrucci JT; Stark DD, eds, liver imaging: current trends and new techniques, Reviewed by Trenkner SW, Radiology 1991; **181:** 804

Fischer HW, radiographic anatomy: a working atlas, Reviewed by Engel MR, Radiology 1990; **175:** 532

Fischer HW, ed, radiologist's first reader, Reviewed by Jones HH, Radiology 1989; **171:** 318

Fish P, physics and instrumentation of diagnostic medical ultrasound, Reviewed by Ritenour ER, Radiology 1991; **181:** 362

Fisher MR; Kricun ME, eds, imaging of the pelvis, Reviewed by Steinbach LS, Radiology 1989; **172:** 744

Fishman-Javitt MC; Stein HL; Lovecchio JL, eds, imaging of the pelvis: MRI with correlations to CT and ultrasound, Reviewed by Goodman P, Radiology 1991; **180:** 72

Fletcher BD; Jacobstein MD, magnetic resonance imaging of congenital heart disease, Reviewed by Adey CK, Radiology 1989; **173:** 768

Fogelman I; Collier BD, atlas of planar and SPECT bone scans, Reviewed by Rezai K, Radiology 1990; **175:** 212

Foley WD, ed, color Doppler flow imaging, Reviewed by Yucel EK, JVIR 1991; **2:** 330

Forgon M; Zadravecz G, die kalkaneous-fraktur (fractures of the calcaneus), Reviewed by Oestreich AE, Radiology 1991; **180:** 152

Fornage BD, ultrasonography of muscles and tendons, Reviewed by Menanteau BP, Radiology 1990; **174:** 774

Fornage BD, ultrasound of the prostate, Reviewed by Letourneau JG, Radiology 1990; **177:** 498

Fornage BD, ed, endosonography, Reviewed by Jeanty P, Radiology 1991; **178:** 386

Foster MA; Hutchinson JMS, eds, practical NMR imaging, Reviewed by Amendola MA, Radiology 1989; **172:** 152

Fraser RG; Pare JAP; Pare PD; Fraser RS; Genereux GP, diagnosis of diseases of the chest. 3rd ed, 2 vols, Reviewed by Tylén U, Radiology 1990; **174:** 710

Fraser RG; Paré JAP; Paré PD; Fraser RS; Genereux GP, diagnosis of diseases of the chest. 3rd ed, vol 3, Reviewed by Tylen U, Radiology 1991; **178:** 732

Freedman M, ed, clinical imaging: an introduction to the role of imaging in clinical practice, Reviewed by Swan TL, Radiology 1989; **170:** 50

Freeman LM; Weissmann HS, eds, nuclear medicine annual 1988, Reviewed by Fisher MF, Radiology 1989; **171:** 62

Freeman LM; Weissmann HS, Nuclear Medicine Annual 1989, Reviewed by Erdman WA, Radiology 1990; **177:** 426

Freeman LM, ed, nuclear medicine annual 1990, Reviewed by Engel M, Radiology 1991; **178:** 754

Freeman SE; Fukushima E; Greene ER, eds, noninvasive techniques in biology and medicine, Reviewed by Griffiths HJ, Radiology 1991; **180:** 42

Freyschmidt J; Ostertag H, knochentumoren: klinik-radiologie-pathologie (bone tumors: clinical, radiology, pathology), Reviewed by Oestreich AE, Radiology 1989; **171:** 774

Friedhoff RM; Benzon W, second computer revolution: visualization, Reviewed by Jones HH, Radiology 1990; **176:** 388

Friedman AC; Radecki PD; Lev-Toaff AS; Hilpert PL, eds, clinical pelvic imaging: CT, ultrasound and MRI, Reviewed by Stavas J, Radiology 1990; **175:** 814

Friedman BR; Jones JP; Chavez-Munoz G; Salmon AP; Merritt CRB, principles of MRI, Reviewed by Sorenson JA, Radiology 1990; **175:** 184

Frost JJ; Wagner HN Jr, eds, quantitative imaging: neuroreceptors, neurotransmitters, and enzymes, Reviewed by Garnett ES, Radiology 1991; **179:** 214

Fulkerson JP; Hungerford DS, disorders of the patellofemoral joint. 2nd ed, Reviewed by Young JWR, Radiology 1991; **179:** 388

Gale ME; Karlinsky JB, computed tomography of the chest: a teaching file, Reviewed by Klein RM, Radiology 1989; **171:** 390

Galluzzi S; Ruffato C; Forzini L, computed tomography of the lung: an approach based on signs, Reviewed by Gaisie G, Radiology 1989; **172:** 646

Gedgaudas-McClees RK; Torres WE, essentials of body computed tomography, Reviewed by Llerena JM, Radiology 1990; **176:** 760

Gelfand DW; Richter JE, eds, dysphagia: diagnosis and treatment, Reviewed by Stevenson GW, Radiology 1991; **178:** 480

Gerhardt P; Frommhold W, atlas of anatomic correlations in CT and MRI, Reviewed by Griffiths HJ, Radiology 1989; **172:** 414

Gmelin E; Arlart IP, digitale subtraktionsan-giographie (digital subtraction angiography), Reviewed by Blickman JG, Radiology 1989; **173:** 158

Goldberg SJ; Allen HD; Marx GR; Donnerstein RL, Doppler echocardiography, Reviewed by Capusten BM, Radiology 1989; **171:** 206

Goldman SM; Gatewood OMB, eds, CT and MRI of the genitourinary tract, Reviewed by Hazel JG Jr, Radiology 1991; **179:** 408

Goldstein DE; McKell DC, medical staff alliances: how to build successful partnerships with your physicians, Reviewed by Dockray KT, Radiology 1990; **177:** 66

Gordon I, diagnostic imaging in paediatrics, Reviewed by Drake DG, Radiology 1989; **170:** 108

Gottschalk A; Hoffer PB; Potchen J, diagnostic nuclear medicine. 2d ed, 2 vols, Reviewed by Pyron CL, Radiology 1989; **171:** 734

Gottschalk A; Hoffer PB; Potchen EJ, eds, diagnostic nuclear medicine. 2nd ed, 2 vols, Reviewed by Olson PN, Radiology 1990; **175:** 520

Gouaze A; Salamon G, eds, brain anatomy and magnetic resonance imaging, Reviewed by Martin DS, Radiology 1990; **174:** 420

Gozzetti G; Mazziotti A; Bolondi L; Barbara L, intraoperative ultrasonography in hepatobiliary and pancreatic surgery: a practical guide, Reviewed by Huntington DK, Radiology 1990; **176:** 754

Grant EG; White EM, duplex sonography, Reviewed by Hopper KD, Radiology 1989; **170:** 256

Green DM, long-term complications of therapy for cancer in childhood and adolescence, Reviewed by Gliedman PR, Radiology 1990; **174:** 662

Greenfield G, radiology of bone diseases. 5th ed., Reviewed by Hite S, Radiology 1991; **179:** 622

Greenspan A, orthopedic radiology: a practical approach, Reviewed by Renfreu D, Radiology 1990; **176:** 484

Griffiths HJ, radiology of renal failure, Reviewed by Scott WW Jr, Radiology 1990; **177:** 480

Griffiths HJ, imaging of the lumbar spine, Reviewed by Scott WW, Radiology 1991; **179:** 34

Grossman CB, magnetic resonance imaging and computed tomography of the head and spine, Reviewed by Engeler CE, Radiology 1991; **178:** 104

Grossman W; Baim DS, eds, cardiac catheterization, angiography and intervention. 4th ed, Reviewed by Stolberg HO, Radiology 1991; **181:** 84

Grossman ZD; Rosebrough SF, clinical radioimmunoimaging, Reviewed by Kramer EL, Radiology 1989; **170:** 568

Grundfest-Broniatowski S; Esselstyn CB Jr, eds, controversies in breast disease: diagnosis and management, Reviewed by Sanders DE, Radiology 1989; **170:** 748

Guiberteau MJ, ed, nuclear cardiovascular imaging: current clinical practice, Reviewed by Matthews JF, Radiology 1991; **179:** 54

Guiliani L; Puppo P, eds, controversies on the management of urinary stones, Reviewed by Amendola MA, Radiology 1990; **174:** 152

Günther RW; Thelen M, eds, interventionelle radiologie (interventional radiology), Reviewed by Glass RBJ, Radiology 1989; **170:** 998

Guyot J; Elson R, atlas of human limb joints. 2nd ed, Reviewed by Steinbach L, Radiology 1990; **177:** 462

Haaga JR; Alfidi RJ, eds, computed tomography of the whole body. 2nd ed, 2 vols, Reviewed by Martin DS, Radiology 1990; **175:** 90

Hackeloer BJ; Duda V; Lauth G, ultrasound mammography: methods, results, diagnostic strategies, Reviewed by Adey CK, Radiology 1990; **175:** 328

Hall EJ, radiobiology for the radiologist. 3d ed, Reviewed by Mettler FA Jr, Radiology 1989; **170:** 422

Halperin EC; Kun L; Constine L; Tarbel N, pediatric radiation oncology, Reviewed by Sullivan JW, Radiology 1990; **176:** 508

Han M-C; Kim C-W, sectional human anatomy correlated with CT and MRI. 2nd ed, Reviewed by Halvorsen RA Jr, Radiology 1991; **178:** 180

Hanafee WN; Ward PH, larynx: radiology, surgery, pathology, Reviewed by Unger JM, Radiology 1991; **180:** 176

Harkányi Z, ed, duplex ultrahang: gyakorlati útmutató duplex és color Doppler-ultrahang-Vizsgálatokhoz (duplex ultrasound: practical guide to duplex ultrasound and color Doppler imaging), Reviewed by Gyepes MT; Oestreich AE, Radiology 1991; **181:** 792

Harness JK; Oberman HA; Lichter AS; Adler DD; Cody RL, eds, breast cancer: collaborative management, Reviewed by Sanders DE, Radiology 1989; **170:** 694

Harnsberger HR, head and neck imaging, Reviewed by Unger JM, Radiology 1991; **178:** 314

Harrison MR; Golbus MS; Filly RA, eds, unborn patient: prenatal diagnosis and treatment. 2nd ed, Reviewed by Capusten BM, Radiology 1991; **180:** 188

Hartman DS, renal cystic disease, Reviewed by Swatez IM, Radiology 1989; **173:** 430

Hasegawa BH, physics of medical x-ray imaging, Reviewed by Benedetto AR, Radiology 1991; **181:** 230

Hasso AN; Shakudo M, pocket atlas of normal CT anatomy of the head and brain, Reviewed by Griffiths HJ, Radiology 1991; **178:** 72

Hedtmann A; Fett H, atlas und lehrbuch der schultersonographie (atlas and textbook of sonography of the shoulder), Reviewed by Vergesslich KA, Radiology 1989; **170:** 120

Heitzman ER, mediastinum: radiologic correlations with anatomy and pathology, Reviewed by Tylén U, Radiology 1990; **175:** 374

Helms CA, fundamentals of skeletal radiology, Reviewed by Swan TL, Radiology 1989; **173:** 192

Helms CA, ed, perspectives in radiology. vol. 1, no. 1, Reviewed by Malamed DH, Radiology 1989; **172:** 358

Hendricks MJ, computed tomography of the pituitary gland, Reviewed by Blinder RA, Radiology 1989; **171:** 188

Herlinger H; Maglinte D, eds, clinical radiology in the small intestine, Reviewed by Olmsted WW, Radiology 1990; **175:** 110

Heuck FW, ed, roentgendiagnosis of the upper alimentary tract and air passages, the respiratory organs, and the mediastinum. pt 5c of vol 9 of handbuch der medizinischen radiologie (encyclopedia of medical radiology), Reviewed by Oestreich AE, Radiology 1989; **172:** 458

Heywang-Köbrunner SH, contrast-enhanced MRI of the breast, Reviewed by Tashjian JH, Radiology 1991; **181:** 358

Higashi T; Shiba JKC; Ikuta H, atlas of clinical oral diagnostic imaging, Reviewed by Mitchell SL, Radiology 1991; **180:** 84

Higer HP; Bielke G, eds, tissue characterization in MR imaging, Reviewed by Listinsky JJ, Radiology 1991; **179:** 290

Higgins CB; Silverman NH; Kersting-Somerhoff BA, congenital heart disease: echocardiography and magnetic resonance imaging, Reviewed by Stolberg HO, Radiology 1991; **179:** 718

Hilaris BS; Nori D; Anderson L, atlas of brachytherapy: principles, techniques, and clinical applications, Reviewed by Steinfeld AD, Radiology 1989; **170:** 882

Hobbie RK, ed, MacDose, version 2.1, user's manual, Reviewed by Dickof P, Radiology 1991; **180:** 50

Hofmann V, ed, ultraschalldiagnostik in pädiatrie und kinderchirurgie (ultrasound diagnosis in pediatrics and pediatric surgery), Reviewed by Oestreich AE, Radiology 1989; **172:** 372

Hollis DP, abusing cancer science: the truth about NMR and cancer, Reviewed by Gray JE, Radiology 1989; **170:** 652

Hoogewoud HM, computed tomography, anatomy, and morphometry of the lower extremity, Reviewed by Gold RP, Radiology 1991; **179:** 442

Horowitz A, MRI physics for physicians, Reviewed by Lambert RGW, Radiology 1990; **174:** 186

Huddleston AL, quantitative methods in bone densitometry, Reviewed by Griffiths HJ, Radiology 1989; **173:** 334

Huepscher DN, radiology of the esophagus, Reviewed by Engeler CE, Radiology 1989; **170:** 642

Huk WJ; Gademann G; Friedman G, MRI of central nervous system diseases, Reviewed by Aisen AM, Radiology 1991; **178:** 140

Hulley SB; Cummings SR, eds, designing clinical research, Reviewed by Martin DS, Radiology 1989; **170:** 184

Hurst JW, ed, medicine for the practicing physician. 2d ed., Reviewed by Comunale JP Jr; Griffiths HJ, Radiology 1989; **170:** 984

Husband JES, CT review, Reviewed by Lieber A, Radiology 1991; **180:** 114

Indovina T; Lindh WQ, radiology word book, Reviewed by Schwaab KT, Radiology 1990; **177:** 642

International Atomic Energy Agency, dosimetry in radiotherapy. 2 vols, Reviewed by Agard ET, Radiology 1989; **172:** 724

International Commission on Radiation Units and Measurements, determination of dose equivalents from external radiation sources. Pt 2, no. 4, Reviewed by Griffiths HJ, Radiology 1989; **173:** 80

International Commission on Radiation Units and Measurements, tissue substitutes in radiation dosimetry and measurement. no. 4, Reviewed by Griffiths HJ, Radiology 1989; **173:** 202

Iturralde MP, dictionary and handbook of nuclear medicine and clinical imaging, Reviewed by Griffiths HJ, Radiology 1991; **180:** 260

Jeffrey RB Jr, CT and sonography of the acute abdomen, Reviewed by Huntington DK, Radiology 1990; **175:** 454

Kadir S, atlas of normal and variant angiographic anatomy, Reviewed by Lampmann LEH, Radiology 1991; **180:** 146

Kadir S, ed, current practice of interventional radiology, Reviewed by Egglin TK, JVIR 1991; **2:** 324

Kagan AR; Miles J, eds, head and neck oncology: clinical management, Reviewed by Yu A, Radiology 1990; **176:** 406

Kameyama M; Tomonage M; Aiba T, cerebrovascular disease, Reviewed by Rinck PA, Radiology 1989; **171:** 170

Kandarpa K, handbook of cardiovascular and interventional radiologic procedures, Reviewed by Malamed DH, Radiology 1989; **172:** 88

Karpman RR; Baum J, eds, aging and clinical practice: musculoskeletal disorders, Reviewed by Nelson DW, Radiology 1989; **170:** 494

Karzmark CJ; Morton RJ, primer on theory and operation of linear accelerators in radiation therapy, Reviewed by Barish RJ, Radiology 1990; **177:** 176

Kase KR; Bjärngard BE; Attix FH, dosimetry of ionizing radiation. vol 3, Reviewed by Barish RJ, Radiology 1991; **180:** 120

Kass AM; Kass EH, perfecting the world: the life and times of Dr. Thomas Hodgkin, 1798–1866, Reviewed by Fischer HW, Radiology 1990; **174:** 320

Kassner EG, ed, atlas of radiologic imaging, Reviewed by Gross DA, Radiology 1990; **177:** 108

Katthagen B-D, ultrasonography of the shoulder, Reviewed by Capusten BM, Radiology 1991; **178:** 446

Kaufmann HJ, ed, neue bildgebende verfahren in der pädiatrie (new developments in pediatric diagnostic imaging), Reviewed by Oestreich AE, Radiology 1991; **178:** 690

Kawai K, ed, endoscopic ultrasonography in gastroenterology, Reviewed by Sener RN, Radiology 1989; **173:** 648

Kazner E; Wende S; Grumme T; Stochdorph O; Felix R; Claussen C, eds, computed tomography and magnetic resonance tomography of intracranial tumors. 2nd ed., Reviewed by Aaron JO, Radiology 1990; **177:** 872

Keats TE, atlas of roentgenographic measurement. 6th ed, Reviewed by Fisher MF, Radiology 1991; **178:** 768

Keats TE, radiology of musculoskeletal stress injury, Reviewed by Galloway HR, Radiology 1991; **180:** 426

Kesselring J; Ormerod IE; Miller DH; du Boulay EPG; McDonald WI, magnetic resonance imaging in multiple sclerosis: an atlas of diagnosis and differential diagnosis, Reviewed by Martin DS, Radiology 1990; **176:** 814

Kilcoyne RF; Farrar EL, handbook of orthopedic terminology, Reviewed by Griffiths HJ, Radiology 1991; **181:** 828

Kirkwood JR, essentials of neuroimaging, Reviewed by Reuter GC, Radiology 1991; **181:** 700

Kisslo J; Adams DB; Belkin RN, Doppler color flow imaging, Reviewed by Capusten BM, Radiology 1989; **170:** 874

Klingensmith WE III, ed, nuclear medicine procedure manual (printed version), Reviewed by Rezai K, Radiology 1991; **181:** 710

Knoch H-G, knochenbruchheilung mit ultraschall (ultrasound-assisted bone healing), Reviewed by Oestreich AE, Radiology 1991; **179:** 634

Knowles RJR; Markisz JA, quality assurance and image artifacts in magnetic resonance imaging, Reviewed by Knight GF, Radiology 1989; **172:** 340

Kopans DB, breast imaging, Reviewed by Jacobs JM, Radiology 1990; **176:** 316

Koritke JG; Sick H, atlas of sectional human anatomy. 2d ed, Reviewed by Griffiths HJ, Radiology 1989; **171:** 418

Köster O, computertomographie des felsenbeines, mit magnetresonanztomographie (computed tomography of the temporal bone, with magnetic resonance imaging), Reviewed by Benton C, Radiology 1989; **172:** 158

Kowalsky RJ; Perry JR, radiopharmaceuticals in nuclear medicine practice, Reviewed by Russ GA, Radiology 1989; **172:** 398

Kox W; Boultbee J; Donaldson R, eds, imaging and labelling techniques in the critically ill, Reviewed by Comunale JP Jr, Radiology 1990; **175:** 44

Kronhaus AK, choosing your practice, Reviewed by Capusten BM, Radiology 1990; **176:** 708

Kucharczyk W, ed, MRI: central nervous system, Reviewed by Castillo M, JMRI 1991; **1:** 300

Kucharczyk W, ed, MRI: central nervous system, Reviewed by Elster AD, Radiology 1991; **178:** 392

Kuhlman JE, ed, CT of the immunocompromised host, Reviewed by Rosenthal RE, Radiology 1991; **181:** 76

Kuni CC, introduction to computers and digital processing in medical imaging, Reviewed by Martin DS, Radiology 1989; **170:** 410

Kurjak A, ed, ultrasound and infertility, Reviewed by Menanteau BP, Radiology 1990; **175:** 434

Kurtz AB; Goldberg BB, eds, obstetrical measurements in ultrasound: a reference manual, Reviewed by Toi A, Radiology 1989; **170:** 712

Kurtz AB; Goldberg BB, obstetrical measurements in ultrasound: a reference manual, Reviewed by Hazel JG Jr, Radiology 1989; **171:** 444

Lang P, magnetresonanztomographie bei aseptischer osteonekrose des femurkopfes (MR imaging of aseptic necrosis of the hip), Reviewed by Wojtowycz M, Radiology 1991; **181:** 8

Lange S; Grumme T; Kluge W; Ringel K; Meese W, cerebral and spinal computerized tomography. 2nd ed, Reviewed by Engeler CE, Radiology 1990; **176:** 68

Laramore GE, ed, radiation therapy of head and neck cancer, Reviewed by Cooper JS, Radiology 1989; **173:** 738

Laudicina PF, applied pathology for radiographers, Reviewed by Skundberg PA, Radiology 1989; **173:** 734

Layfer LF; Petasnick J; Katz RS, advanced exercises in diagnostic radiology: no. 19, rheumatologic disorders, Reviewed by Bohrer SP, Radiology 1989; **170:** 426

Lee F; McLeary RD, eds, use of transrectal ultrasound in the diagnosis and management of prostate cancer, Reviewed by Gerlock AJ Jr, Radiology 1989; **170:** 704

Lee JKT; Sagel SS; Stanley RI, eds, computed body tomography with MRI correlation. 2d ed, Reviewed by Martin DS, Radiology 1989; **172:** 878

Lerski RA, ed, practical ultrasound, Reviewed by Menanteau BP, Radiology 1989; **172:** 704

Levine MS, radiology of the esophagus, Reviewed by Malamed DH, Radiology 1989; **173:** 630

Loken MK, current practice in nuclear medicine: pulmonary nuclear medicine, Reviewed by O'Mara RE, Radiology 1989; **170:** 88

Lössner J; Wagner A, eds, beitrage zur klinischen myologie (clinical myology: new developments), Reviewed by Oestreich AE, Radiology 1989; **170:** 178

Lufkin RB; Hanafee WN, pocket atlas of head and neck MRI anatomy, Reviewed by Griffiths HJ, Radiology 1990; **174:** 674

Lüning M; Felix R, eds, komplexe bildgebende diagnostik: abdomen (complex diagnostic imaging: abdomen), Reviewed by Blickman JG, Radiology 1990; **177:** 152

Lyons EA, practical color atlas of sectional anatomy, Reviewed by Matthews JF, Radiology 1991; **179:** 698

Ma TP; Dressendorfer PV, ionizing radiation effects in MOS devices and circuits, Reviewed by Gooden DS, Radiology 1990; **174:** 886

McCort JJ; Mindelzun RE, eds, trauma radiology, Reviewed by Weinfeld RM, Radiology 1991; **178:** 786

McCullough DL, difficult diagnoses in urology, Reviewed by Doris I, Radiology 1989; **171:** 486

McGahan JP, interventional ultrasound, Reviewed by Menanteau BP, Radiology 1991; **178:** 242

McKinney WEJ, radiographic processing and quality control, Reviewed by Capusten BM, Radiology 1989; **172:** 266

McNab I; McCulloch J, backache. 2nd ed., Reviewed by Griffiths HJ, Radiology 1990; **177:** 766

Mahboubi S, ed, pediatric bone imaging: a practical approach, Reviewed by Engel MR, Radiology 1990; **175:** 756

Mancini GBJ, ed, clinical applications of cardiac digital angiography, Reviewed by Stolberg HO, Radiology 1989; **173:** 680

Manco-Johnson ML; Theros EG; Harris JH Jr; Siegel B, eds, diagnostic ultrasound test and syllabus. 23rd ed, Reviewed by Maguire FP, Radiology 1989; **173:** 318

Mancuso AA; Harnsberger HR; Dillon WP, eds, workbook for MRI and CT of the head and neck. 2d ed, Reviewed by Martin DS, Radiology 1989; **172:** 748

Manelfe C, ed, l'imagerie du rachis et de la moelle: scanner/I.R.M./ultrasons (imaging of the spinal column and spinal cord: CT, MR, and ultrasound), Reviewed by Kraus RA, Radiology 1990; **177:** 748

Mann H; Bragg D, University of Utah handbooks in radiology: chest radiology, Reviewed by Griffiths HJ, Radiology 1989; **173:** 712

Mann RW; Murphy SP, regional atlas of bone disease, Reviewed by Griffiths HJ, Radiology 1991; **178:** 614

Manning P; DeBakey L, eds, medicine: preserving the passion, Reviewed by Fischer HW, Radiology 1989; **171:** 396

Mansfield KM, therapeutic radiology. 2d ed, Reviewed by Steinfeld AD, Radiology 1989; **173:** 142

Maravilla KR; Cohen WA, MRI atlas of the spine, Reviewed by Martin DS, Radiology 1991; **181:** 764

Marcus ML; Schelbert HR; Skorton DJ; Wolf GL, eds, cardiac imaging: a companion to Braunwald's Heart Disease, Reviewed by Stolberg HO, Radiology 1991; **180:** 684

Margulis AR; Burhenne HJ, eds, alimentary tract radiology. 4th ed, 2 vols, Reviewed by Swirsky MH, Radiology 1990; **174:** 348

Martin JE, atlas of mammography: histologic and mammographic correlations, Reviewed by Capusten BM, Radiology 1989; **172:** 130

Matson TA, ed, restructuring for ambulatory care: a guide to reorganization, Reviewed by Dockray KT, Radiology 1990; **177:** 66

Matwiyof NA, magnetic resonance workbook, Reviewed by Lam S, Radiology 1990; **176:** 446

Maurer G; Mohl W, echocardiography and Doppler in cardiac surgery, Reviewed by Menanteau BP, Radiology 1990; **177:** 132

Mettler FA Jr; Guiberteau MJ, essentials of nuclear medicine imaging. 3rd ed, Reviewed by Wagner RH, Radiology 1991; **181:** 354

Meyers MA, dynamic radiology of the abdomen: normal and pathologic anatomy. 3rd ed, Reviewed by Engeler CE, Radiology 1989; **173:** 626

Middleton WD; Lawson TL, eds, anatomy and MRI of the joints: a multiplanar atlas, Reviewed by Griffiths HJ, Radiology 1989; **171:** 418

Mills CM; DeGroot J; Posin JP, magnetic resonance imaging: atlas of the head, neck and spine, Reviewed by Griffiths HJ, Radiology 1989; **172:** 978

Mirra JM, ed, bone tumors: clinical, radiologic, and pathologic correlations. 2 vols, Reviewed by Sundaram M, Radiology 1990; **175:** 736

Modic MT; Masaryk TJ; Ross JS, magnetic resonance imaging of the spine, Reviewed by Martin DS, Radiology 1990; **176:** 800

Mok DWH; Kreel L, essential radiology for head injury, Reviewed by Comunale JP Jr, Radiology 1989; **173:** 76

Monaghan MJ, practical echocardiography and Doppler, Reviewed by Jeanty P, Radiology 1991; **178:** 192

Moores BM; Stieve FE; Eriskat H; Schibilla H, eds, technical and physical parameters for quality assurance in medical diagnostic radiology: tolerances, limiting values and appropriate measuring methods, Reviewed by Martin DS, Radiology 1990; **175:** 686

Moores BM; Wall BF; Eriskat H; Schibilla H, eds, optimization of image quality and patient exposure in diagnostic radiology, Reviewed by Geise RA, Radiology 1990; **177:** 72

Morin RL, ed, Monte Carlo simulation in the radiological sciences, Reviewed by Benedetto AR, Radiology 1989; **173:** 36

Morowitz DA, clinical implications of abnormal digestive tract radiographics, Reviewed by Miller BH, Radiology 1990; **177:** 454

Moseley I, magnetic resonance imaging in diseases of the nervous system: an introduction, Reviewed by Martin DS, Radiology 1990; **174:** 410

Moss WT; Cox JD, eds, radiation oncology: rationale, technique, results. 5th ed., Reviewed by Steinfeld AD, Radiology 1989; **172:** 660

Murray RO; Jacobson HG; Stoker DJ, radiology of skeletal disorders: exercises in diagnosis. 3rd ed, 4 vols, Reviewed by Eversen LI, Radiology 1991; **180:** 46

Nanca NC, atlas of color Doppler echocardiography, Reviewed by Jeanty P, Radiology 1990; **175:** 86

Nanda NC, ed, textbook of color Doppler echocardiography, Reviewed by Jeanty P, Radiology 1990; **175:** 638

National Council on Radiation Protection and Measurements, exposure of the U.S. population from diagnostic medical radiation. NCRP publication no. 100, Reviewed by Griffiths HJ, Radiology 1990; **174:** 740

National Council on Radiation Protection and Measurements, exposure of the U.S. population from occupational radiation, Reviewed by Griffiths HJ, Radiology 1990; **175:** 264

National Council on Radiation Protection and Measurements, radiation protection for medical and allied health personnel. NCRP report no. 105, Reviewed by Griffiths HJ, Radiology 1990; **176:** 702

Neal MP Jr; Tisnado J; Cho S, eds, emergency interventional radiology, Reviewed by Sener RN, Radiology 1990; **176:** 412

Netter FH, CIBA collection of medical illustrations. Vol. 8, musculoskeletal system. Pt. 1, anatomy, physiology and metabolic disorders, Reviewed by Moser RP Jr, Radiology 1989; **170:** 142

Netter FH, CIBA collection of medical illustrations. vol 8, musculoskeletal system (three parts), Reviewed by Sundaram M, Radiology 1991; **181:** 388

Neufand KFR; Beyer D, eds, digitale subtraktiosangiographie in klinik und praxis (clinical and practical digital subtraction angiography), Reviewed by Blickman JG, Radiology 1989; **173:** 158

Newell JD Jr; Kelsey CA, eds, digital imaging in diagnostic radiology, Reviewed by Lieber A, Radiology 1991; **180:** 362

Newton TH; Hasso AN; Dillan WP, eds, computed tomography of the head and neck, Reviewed by Flom RA, Radiology 1989; **170:** 64

Newton TH; Bilaniuk LT, eds, radiology of the eye and orbit, Reviewed by Martin DS, Radiology 1991; **179:** 708

Nias AHW, introduction to radiobiology, Reviewed by Carvlin MJ, Radiology 1991; **181:** 644

O'Connell AM; Leone NL, your child and x-rays: a parent's guide to radiation, x-rays and other imaging procedures, Reviewed by Griffiths HJ, Radiology 1989; **171:** 810

Okazaki H, fundamentals of neuropathology: morphologic basis of neurologic disorders. 2nd ed, Reviewed by Hopper KD, Radiology 1990; **175:** 430

Order SE; Donaldson SS, radiation therapy of benign diseases, Reviewed by Steinfeld AD, Radiology 1990; **177:** 694

O'Reilly PH; George NJR; Weiss RM, diagnostic techniques in urology, Reviewed by Amendola M, Radiology 1991; **178:** 796

Ornoy A; Borochowitz Z; Lachman R; Rimoin DL, atlas of fetal skeletal radiology, Reviewed by Williams JL, Radiology 1989; **173:** 674

Orrison WW Jr, introduction to neuroimaging, Reviewed by Engeler CE, Radiology 1990; **174:** 686

Pallardy G; Chevrot A, eds, arthrographies opaques (arthrography with opaque contrast material), Reviewed by Volberg FM, Radiology 1989; **173:** 130

Partain CL; Price RR; Patton JA; Kulkarni MV; James AE Jr, magnetic resonance imaging. 2nd ed. vol 1, clinical principles, Reviewed by Hopper KD; Smith MB, Radiology 1989; **173:** 322

Partain CL; Price RR; Patton JA; Kulkarni MV; James AE Jr, magnetic resonance imaging. 2nd ed. vol 2, physical principles and instrumentation, Reviewed by Smith MB; Hopper KD, Radiology 1989; **173:** 328

Peppler WW; Alter AA, eds, proceedings of the chest imaging conference 1987, Reviewed by Tashjian J, Radiology 1989; **172:** 12

Persson BRR; Stahlberg F, health and safety of clinical NMR examinations, Reviewed by Smith MB, Radiology 1990; **175:** 130

Peters ME; Voegeli DR; Scanlan KA, eds, breast imaging, Reviewed by Capusten BM, Radiology 1990; **176:** 56

Pierro JA; Berens BM; Crawford WL, manual of diagnostic radiology, Reviewed by Hazel JG Jr, Radiology 1990; **174:** 164

Pistolesi GF; Andreis IAB, eds, l'imaging diagnostico del rachide (diagnostic imaging of the spine), Reviewed by Oestreich AE, Radiology 1989; **172:** 688

Pistolesi GF; Andreis IAB, eds, l'imaging del piccolo bacino funzionale (imaging of the pelvic structures and their function), Reviewed by Oestreich AE, Radiology 1990; **176:** 344

Plowmann PN; Harnett AN, megavoltage radiotherapy 1937–1987, Reviewed by Steinfeld AD, Radiology 1989; **171:** 564

Polgar P, ed, eicosanoids and radiation, Reviewed by Steinfeld AD, Radiology 1989; **173:** 706

Pollack HM, ed, clinical urography: an atlas and textbook of urological imaging. 3 vols, Reviewed by Hazel JG Jr, Radiology 1990; **175:** 804

Pomeranz SJ, craniospinal magnetic resonance imaging. Reviewed by Martin DS, Radiology 1990; **174:** 410

Pott G; Schrameyer B; Champe GG, ERCP atlas. Reviewed by Trenkner SW; Shaw MJ, Radiology 1990; **177:** 140

Putman CE, ed, diagnostic imaging of the lung. Reviewed by Benedikt RA, Radiology 1991; **178:** 714

radiological accident in San Salvador. a report prepared by the IAEA in cooperation with PAHO/WHO. Reviewed by Benedikt RA, Radiology 1991; **179:** 318

radiological protection of the worker in medicine and dentistry. annals of the ICRP publication 57. Reviewed by Benedikt RA, Radiology 1991; **179:** 318

Ravin CE; Cooper C, review of radiology: by the faculty of Duke University Medical Center, Department of Radiology. Reviewed by Julien WH, Radiology 1991; **181:** 548

Redel DA, color blood flow imaging of the heart. Reviewed by Adey CK, Radiology 1989; **172:** 1012

Reed JC, chest radiology: plain film patterns and differential diagnoses. 2d ed. Reviewed by Klein RM, Radiology 1989; **171:** 400

Reed KL; Anderson CF; Shenker L, fetal echocardiography: an atlas. Reviewed by Cohen HL, Radiology 1989; **171:** 218

Reicher MA; Kellerhouse LE, MRI of the wrist and hand. Reviewed by Walker CW, Radiology 1991; **178:** 680

Resnick D, ed, bone and joint imaging. Reviewed by Matthews JF, Radiology 1990; **175:** 666

Richter E; Lierse W, radiologische anatomie des neugeborenen: für röntgen, sonographie, CT, MRI (radiographic anatomy of the newborn: for radiology, ultrasound, CT, MRI). Reviewed by Glass RBJ, Radiology 1990; **176:** 84

Riddervold HO, easily missed fractures and corner signs in radiology. Reviewed by Bohrer SP, Radiology 1991; **181:** 842

Rifkin MD, ultrasound of the prostate. Reviewed by Gerlock AJ Jr, Radiology 1989; **170:** 704

Rifkin MD, ed, intraoperative and endoscopic ultrasonography. Reviewed by Giyanani VL, Radiology 1989; **171:** 52

Roche AF; Chumlea WC; Thissen D, assessing the skeletal maturity of the hand-wrist: Fels method. Reviewed by Williams JL, Radiology 1989; **173:** 196

Roebuck EJ; Blamey RW, clinical radiology of the breast. Reviewed by Unger JM, Radiology 1991; **179:** 702

Rohen JW; Yokochi C, color atlas of anatomy. Reviewed by Moradian GP, Radiology 1989; **171:** 800

Romero R; Pilu G; Jeanty P; Ghidini A; Hobbins JC, prenatal diagnosis of congenital anomalies. Reviewed by Toi A, Radiology 1989; **173:** 662

Rønne P; Nielsen ABW, development of the ion x-ray tube. acta historica scientiarum naturalium et medicinalium, vol 35. Reviewed by Murphy WA Jr, Radiology 1991; **181:** 536

Rosenberg R, radiographic measurements. Reviewed by Griffiths HJ, Radiology 1990; **176:** 748

Rubin JM; Chandler WF, ultrasound in neurosurgery. Reviewed by Menanteau BP, Radiology 1990; **176:** 782

Rumack CM; Horgan JG; Hay TC; Kindsfater D, pocket atlas of pediatric ultrasound. Reviewed by Griffiths HJ, Radiology 1991; **178:** 72

Runge VM, ed, enhanced magnetic resonance imaging. Reviewed by Gerlock AJ Jr, Radiology 1990; **174:** 92

Saia DA, Appleton & Lange's review for the radiography examination. Reviewed by Skundberg PA, Radiology 1991; **180:** 194

Salamon G; Raynaud C; Regis J; Rumeau C, eds, magnetic resonance imaging of the pediatric brain. Reviewed by Martin DS, Radiology 1991; **180:** 110

Salles-Cunha SX; Andros G, atlas of duplex ultrasonography: essential images of the vascular system. Reviewed by Hopper KD, Radiology 1989; **170:** 738

Sandler MP; Patton JA; Shaff MI; Powers TA, correlative imaging. Reviewed by Miller TL, Radiology 1990; **175:** 144

Scherer E; Streffer C; Trott K-R, eds, radiation exposure and occupational risks. Reviewed by Barish RJ, Radiology 1991; **180:** 340

Schmidt H; Freyschmidt J; Holthusen W, eds, Köhler/Zimmer: grenzen des normalen und anfänge des pathologischen im röntgenbild des skeletts (borderlands of the normal and early pathologic in skeletal radiology). 13th ed. Reviewed by Oestreich AE, Radiology 1990; **174:** 424

Schultz RJ, language of fractures. 2nd ed. Reviewed by Rinehart D, Radiology 1991; **179:** 18

Schulz RD; Willi UV, ed, atlas der ultraschalldiagnostik beim kind (atlas of pediatric ultrasound diagnosis). Reviewed by Blickman JG, Radiology 1990; **177:** 436

Schuster W, ed, kinderradiologie 1: bildgebende diagnostik (pediatric radiology: diagnostic imaging. vol 1). Reviewed by Oestreich AE, Radiology 1991; **179:** 60

Schuster W, ed, kinderradiologie 2: bildgebende diagnostik (pediatric radiology: diagnostic imaging. vol 2). Reviewed by Oestreich AE, Radiology 1991; **179:** 60

Scott WW Jr; Scott PP; Trerotola SO, radiology of the thoracic skeleton. Reviewed by El-Khoury GY, Radiology 1991; **180:** 646

Seeram E, ed, computers in diagnostic radiology. Reviewed by Martin DS, Radiology 1990; **175:** 660

Seibel RMM; Grönemeyer DHW, interventional computed tomography. Reviewed by Rosenthal RE; Principato R, Radiology 1991; **181:** 650

Sellink JL, x-ray differential diagnosis in small bowel disease: a practical approach. Reviewed by Olmsted WW, Radiology 1989; **171:** 334

Selman J, basic physics of radiation therapy. 3rd ed. Reviewed by Fenn JO, Radiology 1991; **181:** 182

Seward JB; Tajik AJ; Edwards WD; Hagler DJ, two-dimensional echocardiographic atlas. vol. 1, congenital heart disease. Reviewed by Stolberg HO, Radiology 1989; **173:** 384

Sharp PF; Gemmell HG; Smith FW, practical nuclear medicine. Reviewed by Matthews JF, Radiology 1991; **179:** 54

Shields JA, diagnosis and management of orbital tumors. Reviewed by Unger JM, Radiology 1989; **173:** 600

Sick H; Burguet J-L, imaging anatomy of the knee region. Reviewed by Griffiths HJ, Radiology 1989; **170:** 762

Sick H; Veillon F, atlas of slices of the temporal bone and adjacent region. Reviewed by Unger JM, Radiology 1990; **174:** 692

Siegel BA; Kirchner PT, eds, nuclear medicine: self-study program I. pt I, syllabus and multiple-choice questions. pt II, answers, critiques, and references for multiple-choice questions. Reviewed by Levey RM, Radiology 1989; **172:** 376

Siegel BA; Theros EG, eds, chest disease (4th series) test and syllabus. 27th ed. Reviewed by Gross DA, Radiology 1990; **177:** 754

Siegel MJ, pediatric body CT. Reviewed by Carpenter BM, Radiology 1989; **172:** 210

Siegel MJ, ed, pediatric sonography. Reviewed by Parker SL, Radiology 1991; **180:** 422

Sigal R; Doyan D; Halimi PH; Atlan H, magnetic resonance imaging: basis for interpretation. Reviewed by Bodeau GR, Radiology 1989; **171:** 352

Sigel B, operative ultrasonography. 2nd ed. Reviewed by Levi CS, Radiology 1990; **174:** 440

Silverman PM; Zeman RK, eds, CT and MRI of the liver and biliary system. Reviewed by Mulcahy P, Radiology 1991; **181:** 204

Sim FH, ed, diagnosis and management of metastatic bone disease: a multidisciplinary approach. Reviewed by Moser RP Jr, Radiology 1989; **171:** 150

Singleton EB; Wagner ML; Dutton RV, radiologic atlas of pulmonary abnormalities in children. 2d ed. Reviewed by Wood BP, Radiology 1989; **171:** 160

Skolnick ML; Cohn ER, videofluoroscopic studies of speech in patients with cleft palate. Reviewed by Unger JM, Radiology 1990; **177:** 712

Skucas J, radiographic contrast agents. 2nd ed. Reviewed by Dean PB, Radiology 1989; **173:** 388

Slaby F; Jacobs ER, national medical series for independent study: radiographic anatomy. Reviewed by Griffiths HJ, Radiology 1991; **178:** 368

Slovis T; Sty JR; Haller JO, imaging of the pediatric urinary tract. Reviewed by Bramson RT, Radiology 1990; **175:** 386

Smith H-J; Ranallo FN, non-mathematical approach to basic MRI. Reviewed by Rawson JV, Radiology 1990; **177:** 666

Smith PH; Pavone-Macaluso M, management of advanced cancer of the prostate and bladder. Reviewed by Parsons JT, Radiology 1989; **171:** 72

Solomon A; Kreel L, eds, radiology of occupational chest disease. Reviewed by Tylén U, Radiology 1990; **176:** 380

Som PM; Bergeron RT, eds, head and neck imaging. 2nd ed. Reviewed by Myers ME, Radiology 1991; **181:** 740

Someren A, ed, urologic pathology with clinical and radiologic correlations. Reviewed by Curry NS, Radiology 1990; **175:** 340

Soto B; Pacifico AD, angiocardiography in congenital heart malformations. Reviewed by Stolberg HO, Radiology 1991; **179:** 606

Spencer RP, ed, new procedures in nuclear medicine. Reviewed by Russ GA, Radiology 1989; **173:** 98

Sprawls P, principles of radiography for technologists. Reviewed by Skundberg PA, Radiology 1991; **180:** 754

Stark DD; Bradley WG Jr, eds, magnetic resonance imaging. Reviewed by Martin DS, Radiology 1989; **170:** 660

Steering Committee on Future Health Scenarios, anticipating and assessing health care technology. vol 7, computer assisted medical imaging: the case of picture archiving and communications systems (PACS). Reviewed by MacEwan DW, Radiology 1989; **173:** 360

Stein JH, internal medicine. 2nd ed., Reviewed by Ciegler GW; Hatten RC, Radiology 1990; **177:** 312

Stender H-S, ed, allgemeine grundlagen der radiologischen diagnostik: spezielle radiologische diagnostik-hals, mediastinum, zwerchfell, mamma, kindlicher thorax (general principles of diagnostic radiology and specific topics: neck, mediastinum, diaphragm, breast, and pediatric chest). Reviewed by Oestreich AE, Radiology 1989; **172:** 148

Stevens JM; Valentine AR; Kendall BE, computed cranial and spinal imaging: a practical introduction. Reviewed by Swatez IM, Radiology 1989; **171:** 792

Stockburger W, radiology administration: a business guide. Reviewed by Capusten BM, Radiology 1990; **176:** 116

Stoker DJ; Tilley EA, orthopedics: self assessment in radiology and imaging. Reviewed by Moser RP Jr, Radiology 1989; **171:** 132

Stoller DW, ed, magnetic resonance imaging in orthopaedics and rheumatology. Reviewed by Hopper KD, Radiology 1990; **174:** 390

Straub WH, manual of diagnostic imaging: a clinician's guide to clinical problem solving. 2nd ed. Reviewed by Bier-Laning C, Radiology 1991; **180:** 126

Stringer DA, pediatric gastrointestinal imaging. Reviewed by Bramson RT, Radiology 1990; **175:** 478

Stuhler T; Feige A, eds, ultraschalldiagnostik des bewegungsapparats (diagnostic ultrasound of the locomotor system). Reviewed by Oestreich AE, Radiology 1989; **172:** 782

Suslick KS, ed, ultrasound: its chemical, physical, and biological effects. Reviewed by Ritenour ER, Radiology 1989; **173:** 136

Sutton D; Young JWR, short textbook of clinical imaging. Reviewed by Galloway H, Radiology 1991; **179:** 668

Swischuk LE, imaging of the newborn, infant and young child. 3rd ed, Reviewed by O'Laughlin R, Radiology 1989; **173:** 668

Swischuk LE; Sapire DW, basic imaging in congenital heart disease, Reviewed by Sener RN, Radiology 1990; **174:** 756

Swobodnik W; Hermann M; Altwein JE; Basting RF, eds, atlas der utraschallanatomie: sonographische normalbefunde als grundlage der diagnostik (atlas of ultrasound anatomy: normal findings as a basis for diagnosis), Reviewed by Rusch OF, Radiology 1989; **171:** 730

Taboury J, échographie abdominale (abdominal sonography). 3rd ed, Reviewed by Jeanty P, Radiology 1990; **176:** 102

Tateno Y; Iinuma T; Takano M, eds, computed radiography, Reviewed by Martin DS, Radiology 1989; **170:** 264

Taylor DM; Mays CW; Gerber GB; Thomas RG, eds, risks from radium and Thoratrast. BIR (British Institute of Radiology) report 21, Reviewed by Kagan AR, Radiology 1991; **179:** 424

Theodore WH, ed, clinical neuroimaging. Vol 4, Reviewed by Malamed DH, Radiology 1989; **170:** 1032

Thomas CL, ed, Taber's cyclopedic medical dictionary. 16th ed, Reviewed by Schwaab KT, Radiology 1990; **174:** 786

Thomas DGT, ed, neuro-oncology: primary malignant brain tumours, Reviewed by Steinfeld A, Radiology 1991; **178:** 452

Thunthy KH, dental radiographic diagnosis, Reviewed by Brand JW, Radiology 1989; **172:** 758

Topol EJ, ed, textbook of interventional cardiology, Reviewed by Wilson RF, Radiology 1990; **176:** 516

Travis EL, primer of medical radiobiology. 2nd ed, Reviewed by Carvlin MJ; Modock RB, Radiology 1990; **175:** 344

Trevert E, something about x-rays for everybody, Reviewed by Griffiths HJ, Radiology 1989; **173:** 712

Tristant H; Benmussa M; Bokobsa J, mammographie et échographie mammaire: de l'image au diagnostic (mammography and breast ultrasound: from image to diagnosis), Reviewed by Oestreich AE, Radiology 1989; **172:** 472

Vaeth JM; Meyer JL, eds, present and future role of monoclonal antibodies in the management of cancer, Reviewed by Kramer EL, Radiology 1991; **179:** 8

Valavanis A; Schubiger O; Naidich TP, clinical imaging of the cerebello-pontine angle, Reviewed by Unger JM, Radiology 1989; **170:** 456

Valk J, MRI of the brain, head, neck and spine: teaching atlas of clinical applications, Reviewed by Gerlock AJ Jr, Radiology 1989; **170:** 636

Valk J; van der Knaap MS, magnetic resonance of myelin, myelination, and myelin disorders, Reviewed by Hopper KD, Radiology 1990; **175:** 442

Valvassori GE; Buckingham RA; Carter B; Hanafee W; Mafee M, head and neck imaging, Reviewed by Lee BCP, Radiology 1990; **175:** 416

Vanel D; McNamara MT, MRI of the body, Reviewed by Stillman AE, Radiology 1990; **177:** 208

Von Hagens G; Romrell LJ; Ross MH; Tiedemann K, visible human body: an atlas of sectional anatomy, Reviewed by Griffiths HJ, Radiology 1991; **180:** 138

von Schulthess GK, morphology and function in MRI, Reviewed by Engeler CE, Radiology 1990; **175:** 632

Wackenheim A; Badoz A, computed tomography of the abdomen in adults, Reviewed by Benedikt RA, Radiology 1989; **173:** 638

Wade J; Knezevic S; Maximilian VA; Mubrin Z; Prohovnik I, eds, impact of functional imaging in neurology and psychiatry, Reviewed by Capusten BM, Radiology 1989; **171:** 124

Wagner H Jr; Ketchum LE, living with radiation: the risk, the promise, Reviewed by Hoffer PB; Hoffer V, Radiology 1990; **174:** 382

Walden TL; Farzaneh NK, biochemistry of ionizing radiation, Reviewed by Smith MB, Radiology 1991; **178:** 342

Webb S, from the watching of shadows: the origins of radiological tomography, Reviewed by Jones HH, Radiology 1991; **180:** 706

Webb WR; Brant WE; Helms CA, fundamentals of body CT, Reviewed by Golding RP, Radiology 1991; **181:** 224

Webster JG, ed, encyclopedia of medical devices and instrumentation, Reviewed by Griffiths HJ, Radiology 1989; **170:** 1016

Wechsler RJ, cross-sectional analysis of the chest and abdominal wall, Reviewed by Klein RM, Radiology 1990; **175:** 22

Wehrli FW, fast-scan magnetic resonance—principles and applications, Reviewed by Duerk JL; Hurst GC, JMRI 1991; **1:** 284

Wehrli FW; Shaw D; Kneeland JB, eds, biomedical magnetic resonance imaging: principles, methodology, and applications, Reviewed by Erdman WA, Radiology 1990; **174:** 462

Weill FS, ultrasound diagnosis of digestive diseases, 3rd ed, revised, Reviewed by Huntington DK, Radiology 1991; **178:** 90

Weinberg PE, ed, neuroradiology test and syllabus, parts 1 and 2. 2 vols, Reviewed by Martin DS, Radiology 1991; **180:** 96

Weinberger J, ed, noninvasive imaging of cerebrovascular disease, Reviewed by Martin DS. Radiology 1990; **174:** 432

Weisberg L; Nice C, cerebral computed tomography: a text-atlas. 3rd ed, Reviewed by Hazel JG Jr, Radiology 1989; **173:** 346

Weissman SD, radiology of the foot. 2d ed., Reviewed by Moore TE, Radiology 1989; **172:** 634

Westacott S; Hall JRW, key anatomy for radiology, Reviewed by Griffiths HJ, Radiology 1989; **171:** 348

Wiedemann W; Wurster K; Czempiel H, sonographie und szintigraphie der schilddrüse (thyroid ultrasound and scintigraphy), Reviewed by Blickman JG, Radiology 1989; **171:** 76

Wilkins RA; Nunnerley HB, eds, imaging of the liver, pancreas, and spleen, Reviewed by Trenkner SW, Radiology 1991; **181:** 208

Williams A; Evans R; Shirley PD, imaging of sports injuries, Reviewed by Hazel JG Jr, Radiology 1990; **175:** 526

Williams CJ; Krikorian JC; Green MR; Raghavan D, eds, textbook of uncommon cancer, Reviewed by Steinfeld AD, Radiology 1990; **174:** 308

Williams PL; Warwick R; Dyson M; Bannister LH, eds, Gray's anatomy. 37th ed, Reviewed by Capusten BM, Radiology 1990; **175:** 8

Wilmot DM; Sharko GA, eds, pediatric imaging for the technologist, Reviewed by Dehrer-Wendt LA; Alford BA, Radiology 1989; **170:** 478

Wilson MA; Ruzicka FF, eds, modern imaging of the liver, Reviewed by Trenkner SW, Radiology 1990; **175:** 474

Wojtowycz M, interventional radiology and angiography, Reviewed by Lampmann LEH, Radiology 1991; **178:** 676

Yoder IC, hysterosalpingography and pelvic ultrasound, Reviewed by Capusten BM, Radiology 1989; **172:** 114

Young SW, magnetic resonance imaging: basic principles. 2d ed, Reviewed by Knight GF, Radiology 1989; **172:** 486

Zalutsky MR, ed, antibodies in radiodiagnosis and therapy, Reviewed by Kramer E, Radiology 1989; **173:** 350

Zeitler E; Seyferth W, eds, pros and cons in PTA and auxiliary methods, Reviewed by Gerlock AJ Jr, Radiology 1990; **176:** 680

Zerhouni EA, ed, CT and MRI of the thorax, Reviewed by Mulcahy P, Radiology 1991; **181:** 384

Zieger M; Döm U, sonographie des kindlichen Hüftgelenks (ultrasound diagnosis of the pediatric hip), Reviewed by Oestreich AE, Radiology 1990; **177:** 758

Zonneveld FW, computed tomography of the temporal bone and orbit: technique of direct multiplanar, high-resolution CT and correlative cryosectional anatomy, Reviewed by Unger JM, Radiology 1989; **170:** 170

Bowel

See Intestines

Brachial plexus

medial brachial fascial compartment syndrome: anatomic basis of neuropathy after transaxillary arteriography, Smith DC; Mitchell DA; Peterson GW; Will AD; Mera SS; Smith LL, Radiology 1989; **173:** 149

radiation-induced brachial plexus neuropathy in breast cancer patients, Olsen NK; Pfeiffer P; Mondrup K; et al, Acta Oncol 1990; **29:** 885

technical note: brachial plexopathy as a complication of intraarterial cisplatin chemotherapy, Kahn CE Jr; Messersmith RN; Samuels BL, Cardiovasc Intervent Radiol 1989; **12:** 47

Brachial plexus, CT

fibromatosis of the brachial plexus and shoulder girdle, Chui M, J Canad Assoc Radiol 1989; **40:** 28

thoracic outlet syndrome: evaluation with CT, Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B, Radiology 1989; **171:** 381

Brachial plexus, MR

MR evaluation of brachial plexus injuries, Gupta RK; Mehta VS; Banerji AK; et al, Neuroradiol 1989; **31:** 377

MR imaging of birth-related brachial plexus avulsion, Popovich MJ; Taylor FC; Helmer E, AJNR 1989; **10:** S98

Brain

See also Brain neoplasms; Brain stem; Head; Meninges

Brain, abnormalities

abnormalities of the brain in AIDS patients: correlation of postmortem MR findings with neuropathology, Grafe MR; Press GA; Berthoty DP; et al, AJNR 1990; **11:** 905

abnormalities of the brain in nonketotic hyperglycinemia: MR manifestations, Press GA; Barshop BA; Haas RH; et al, AJNR 1989; **10:** 315

abnormal US appearance of the cerebellum (banana sign): indirect sign of spina bifida, Benacerraf BR; Stryker JM; Frigoletto FD Jr, Radiology 1989; **171:** 15[1]

acrania: anencephaly resulting from secondary degeneration of a closed neural tube: two cases in the same family, Bronshtein M; Ornoy A, JCU 1991; **19:** 230

Aicardi syndrome: MR assessment of brain structure and myelination, Hall-Craggs MA; Harbord MG; Finn JP; et al, AJNR 1990; **11:** 532

atypical CT and MR appearance of a Rathke cleft cyst, Mize W; Ball WS Jr; Towbin RB; et al, AJNR 1989; **10:** S83

band heterotopias: a newly recognized neuronal migration anomaly, Barkovich AJ; Jackson DE Jr; Boyer RS, Radiology 1989; **171:** 455

brain abnormalities in infants on extracorporeal membrane oxygenation: sonographic and CT findings, Babcock DS; Han BK; Weiss RG; et al, AJR 1989; **153:** 571

brain in eclampsia: MR imaging with clinical correlation, Sanders TG; Clayman DA; Sanchez-Ramos L; Vines FS; Russo L, Radiology 1991; **180:** 475

case of Dandy-Walker malformation associated with occipital meningocele, microphthalamia, and cleft palate, Nishimaki S; Yoda H; Seki K; et al, Pediatr Radiol 1990; **20:** 608

cerebral abnormalities in cocaine abusers: demonstration by SPECT perfusion brain scintigraphy. work in progress, Tumeh SS; Nagel JS; English RJ; Moore M; Holman BL, Radiology 1990; **176:** 821

chorea: whither comest it?, Klawans HK, AJNR 1991; **12:** 77

computed tomography and lateral ventricular asymmetry: clinical and brain structural correlates, Grosman H; Stein M; Perrin RC; et al, J Canad Assoc Radiol 1990; **41:** 342

computed tomography (CT) and magnetic resonance (MR) imaging of heterotopic gray matter presenting with late-onset seizures, Mineura K; Fushimi S; Sugawara T; et al, Comput Med Imag Graph 1990; **14:** 217

computerized tomography in primary hyperammonemia, Olier J; Gallego J; Digon E, Neuroradiol 1989; **31:** 356

congenital central nervous system anomalies, Poe LB; Coleman LL; Mahmud F, Radiographics 1989; **9:** 801

cranial MR imaging in hypomelanosis of Ito, Williams DW III; Elster AD, JCAT 1990; **14:** 981

CT and MR evaluation of migrational disorders of the brain: part I. lissencephaly and pachygyria, Byrd SE; Osborn RE; Bohan TP; et al, Pediatr Radiol 1989; **19:** 151

CT and MR evaluation of migrational disorders of the brain: part II. schizencephaly, heterotopia and polymicrogyria, Byrd SE; Osborn RE; Bohan TP; et al, Pediatr Radiol 1989; **19:** 219

cystic temporofacial brain heterotopia, Wismer GL; Wilkinson AH Jr; Goldstein JD, AJNR 1989; **10:** S32

detection of fetal central nervous system anomalies: a practical level of effort for a routine sonogram, Filly RA; Cardoza JD; Goldstein RB; Barkovich AJ, Radiology 1989; **172:** 403

effacement of the fetal cisterna magna in association with myelomeningocele, Goldstein RB; Podrasky AE; Filly RA; Callen PW, Radiology 1989; **172:** 409

effect of management errors on sonographic evaluation of ventriculomegaly, Heiserman J; Filly RA; Goldstein RB, J Ultrasound Med 1991; **10:** 121

evolving fetal hydranencephaly mimicking intracranial neoplasm, Belfar HL; Kuller JA; Hill LM; et al, J Ultrasound Med 1991; **10:** 231

fetal ventricle: importance in routine obstetric sonography, Filly RA; Goldstein RB; Callen PW, Radiology 1991; **181:** 1

focal pachygyria with unusual vascular anomaly, Watanabe M; Tanaka R; Takeda N; et al, Neuroradiol 1990; **32:** 237

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

Gd-DTPA enhancement in MR imaging of central pontine myelinolysis, Koch KJ; Smith RR, AJNR 1989; **10:** S58

gynecologic cancer in patients with subacute cerebellar degeneration predicted by anti-Purkinje cell antibodies and limited in metastatic volume, (ab), Hetzel DJ; Stanhope CR; O'Neill BP; et al, Radiology 1991; **180:** 589

heterotopic brain in the middle ear: CT findings, Klein MV; Schwaighofer BW; Sobel DF; et al, JCAT 1989; **13:** 1058

heterotopic gray matter: neuroradiological aspects and clinical correlations, Canapicchi R; Padolecchia R; Puglioli M; et al, J Neuroradiol 1990; **17:** 277

infantile spasm induced by hemispheric pachygria ultrasound, MRI and Tc-99m HMPAO SPECT, Kao CH; Han NT; Liao SQ; et al, Pediatr Radiol 1991; **21:** 373

intracranial protrusion of the glenoid fossa: CT findings, Fishbein MJ; Awwad EE; Sundaram M; et al, JCAT 1989; **13:** 1093

isolated rhombencephalosynapsis diagnosed by magnetic resonance imaging, Savolaine ER; Fadell RJ; Patel YP, Clin Imag 1991; **15:** 125

Joubert syndrome: a clinico-radiological study, Kendall B; Kingsley D; Lambert SR; et al, Neuroradiol 1990; **31:** 502

linear areas of echogenicity in the thalami and basal ganglia of neonates: an expanded association: work in progress, Hughes P; Weinberger E; Shaw DWW, Radiology 1991; **179:** 103

lissencephaly and pachygyria, Banna M; Malabarey T, J Canad Assoc Radiol 1989; **40:** 156

magnetic resonance imaging and neurobehavioral correlates in schizencephaly, (ab), Aniskiewicz AS; Frumkin NL; Brady DE; et al, Radiology 1991; **178:** 899

magnetic resonance imaging in the malformative syndromes with mental retardation, Gabrielli O; Salvolini U; Coppa GV; et al, Pediatr Radiol 1990; **21:** 16

magnetic resonance imaging of disturbances in neuronal migration: illustration of an embryologic process, Smith AS; Blaser SI; Ross JS; Weinstein MA, Radiographics 1989; **9:** 509

morphology of cerebral lesions in children with congenital hemiplegia: a study with computed tomography, Wiklund L-M; Uvebrant P; Flodmark O, Neuroradiol 1990; **32:** 179

MR and ultrasound findings in a case of cerebro-oculo-muscular-syndrome, Simma B; Felber S; Maurer H; et al, Pediatr Radiol 1990; **20:** 554

MR demonstration of reversible brain abnormalities in eclampsia, Schwaighofer BW; Hesselink JR; Healy ME, JCAT 1989; **13:** 310

MR findings in the brains of compressed-air tunnel workers: relationship to psychometric results, Fueredi GA; Czarnecki DJ; Kindwall EP, AJNR 1991; **12:** 67

MR imaging in incomplete band heterotopia, Gallucci M; Bozzao A; Curatolo P; et al, AJNR 1991; **12:** 701

MR imaging of an extreme case of cerebellar ectopia in a patient with Chiari II malformation, Kudryk BT; Coleman JM; Murtagh FR; et al, AJNR 1991; **12:** 705

MR imaging of anisotropically restricted diffusion in the brain of neonates and infants, Rutherford MA; Cowan FM; Manzur AY; et al, JCAT 1991; **15:** 188

MR imaging of brain maturation in normal and developmentally handicapped children, Martin E; Boesch C; Zuerrer M; et al, JCAT 1990; **14:** 685

MR imaging of hindbrain deformity in Chiari II patients with and without symptoms of brainstem compression, Curnes JT; Oakes WJ; Boyko OB, AJNR 1989; **10:** 293

MR imaging of spastic diplegia: comparative study between preterm and term infants, Koeda T; Suganuma I; Kohno Y; et al, Neuroradiol 1990; **32:** 187

MR imaging of the brain in Fukuyama-type congenital muscular dystrophy, Yoshioka M; Saiwai S; Kuroki S; et al, AJNR 1991; **12:** 63

MR of hydranencephaly, Poe LB; Coleman LL, AJNR 1989; **10:** S61

MR of Kearns-Sayre syndrome, Demange P; Gia HP; Kalifa G; et al, AJNR 1989; **10:** S91

MR of multiple cranial neuropathies in a patient with Camurati-Engelmann disease: case report, Applegate LJ; Applegate GR; Kemp SS, AJNR 1991; **12:** 557

MR of progressive neurodegenerative change in treated Menkes' kinky hair disease, Johnsen DE; Coleman LL; Poe L, Neuroradiol 1991; **33:** 181

multichannel biomagnetic system for study of electrical activity in the brain and heart, Schneider S; Hoenig E; Reichenberger H; Abraham-Fuchs K; Moshage W; Oppelt A; Stefan H; Weikl A; Wirth A, Radiology 1990; **176:** 825

neuroimaging in lissencephaly type I, de Rijk-van Andel JF; van der Knaap MS; Arts WFM, Neuroradiol 1991; **33:** 230

new syndrome with cerebro-oculo-skeletal-renal involvement, Silengo MC; Lerone M; Pelizza A; et al, Pediatr Radiol 1990; **20:** 612

pachygyriclike changes: topographic appearance at MR imaging and CT and correlation with neurologic status, Titelbaum DS; Hayward JC; Zimmerman RA, Radiology 1989; **173:** 663

pancerebellar syndrome in hyperpyrexia, Mohapatro AK; Thomas M; Jain S; et al, Australas Radiol 1990; **34:** 320

phenylketonuria: MR imaging of the brain with clinical correlation, Pearsen KD; Gean-Marton AD; Levy HL; Davis KR, Radiology 1990; **177:** 437

prenatal diagnosis of schizencephaly, Komarniski CA; Cyr DR; Mack LA; et al, J Ultrasound Med 1990; **9:** 305

radiographic manifestations of anomalies of the brain, Sato Y; Kao SCS; Smith WL, Radiol Clin North Am 1991; **29:** 179

recommendations for obstetric sonography in the evaluation of the fetal cranium, Nyberg DA, Radiology 1989; **172:** 309

relationship between enlargement of the temporal horns of the lateral ventricles and dementia in aging patients with Down syndrome, LeMay M; Alvarez N, Neuroradiol 1990; **32:** 104

search of human telencephalic ventriculofugal arteries, Nelson MD Jr; Gonzalez-Gomez I; Gilles FH, AJNR 1991; **12:** 215

septo-optic-dysplasia-schizencephaly: radiographic and clinical features, Kuban KCK; Teele RL; Wallman J, Pediatr Radiol 1989; **19:** 145

sonography of anencephaly: pitfalls in early diagnosis, Goldstein RB; Filly RA; Callen PW, JCU 1989; **17:** 397

Sydenham chorea: MR manifestations in two cases, Kienzle GD; Breger RK; Chun RWM; et al, AJNR 1991; **12:** 73

technetium-99m HMPAO imaging in Sturge-Weber syndrome, Ton-That QT; Picard D; Bissoon-Doyal D; et al, Clin Nucl Med 1990; **15:** 178

temporal lobe seizures: lateralization with MR volume measurements of the hippocampal formation, Jack CR Jr; Sharbrough FW; Twomey CK; Cascino GD; Hirschorn KA; Marsh WR; Zinsmeister AR; Scheithauer B, Radiology 1990; **175:** 423

thalamic extrapontine lesions in central pontine myelinolysis, Koci TM; Chiang F; Chow P; et al, AJNR 1990; **11:** 1229

transperineal US: alternative technique to improve visualization of the presenting fetal part, Weber TM; Hertzberg BS; Bowie JD, Radiology 1991; **179:** 747

unilateral megalencephaly: correlation of MR imaging and pathologic characteristics, Barkovich AJ; Chuang SH, AJNR 1990; **11:** 523

Brain, abscess

brain abscess as a complication of halo traction: role of CT in diagnosing penetration of the skull, Haan J; de Bakker HM, AJNR 1989; **10:** 446

brain abscess following dilatation of esophageal stricture, Harp DL; Schlitt M; Williams JP; et al, Clin Imag 1989; **13:** 140

epidural abscess following frontal sinusitis—demonstration of communication by epidural contrast medium and coronal computerized tomography, Dietrich U; Feldges A; Nau H-E; et al, Comput Med Imag Graph 1989; **13:** 351

Gd-DTPA–enhanced MR of multiple cryptococcal brain abscesses, Riccio TJ; Hesselink JR, AJNR 1989; **10:** S65

giant subdural empyema in an infant: sonographic observations, Raghav B; Goulatia RK; Gupta AK; et al, Neuroradiol 1990; **32:** 154

hemorrhagic abscess in a patient with the acquired immunodeficiency syndrome, Casado-Naranjo I; Lopez-Trigo J; Ferrandiz A; et al, Neuroradiol 1989; **31:** 289

indium-111-granulocyte scintigraphy in brain abscess diagnosis: limitations and pitfalls, Schmidt KG; Rasmussen JW; Frederiksen PB; et al, J Nucl Med 1990; **31:** 1121

intracranial amebic abscesses: CT and MR findings, Dietz R; Schanen G; Kramann B; et al, JCAT 1991; **15:** 168

MR imaging of brain abscesses, Haimes AB; Zimmerman RD; Morgello S; et al, AJNR 1989; **10:** 279

ringlike uptake of [^{18}F]FDG in brain abscess: a PET study, Sasaki M; Ichiya Y; Kuwabara Y; et al, JCAT 1990; **14:** 486

sellar abscess associated with tuberculous osteomyelitis of the skull: MR findings, Gupta RK; Jena A; Sharma A, AJNR 1989; **10:** 448

ultrasound: a method of brain abscess drainage monitoring, Goraj B; Kopytek M, Eur J Radiol 1991; **12:** 120

unusually large calcified brain abscess: CT findings, Nitta H; Tachibana O; Hayashi Y; et al, JCAT 1990; **14:** 485

Brain, anatomy

adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T, Radiology 1991; **180:** 229

anterior temporal lobes and hippocampal formations: normative volumetric measurements from MR images in young adults, Jack CR Jr; Twomey CK; Zinsmeister AR; Sharbrough FW; Petersen RC; Cascino GD, Radiology 1989; **172:** 549

brain in healthy aged individuals: MR imaging, Wahlund L-O; Agartz I; Almqvist O; Basun H; Forssell L; Sääf J; Wetterberg L, Radiology 1990; **174:** 675

brain structure localization in positron emission tomography: comparison of magnetic resonance imaging and a stereotactic method, Mountz JM; Wilson MW, Comput Med Imag Graph 1991; **15:** 17

brain surface cortical sulcal lengths: quantification with three-dimensional MR imaging, Vannier MW; Brunsden BS; Hildebolt CF; Falk D; Cheverud JM; Figiel GS; Perman WH; Kohn LA; Robb RA; Yoffie RL; Bresina SJ, Radiology 1991; **180:** 479

cavernous sinus: correlation between anatomic and dynamic gadolinium-enhanced MR imaging findings, Korogi Y; Takahashi M; Sakamoto Y; Shinzato J, Radiology 1991; **180:** 235

cerebellum: 3. anatomic-MR correlation in the coronal plane, Press GA; Murakami JW; Courchesne E; et al, AJNR 1990; **11:** 41

cerebellum: 3. anatomic-MR correlation in the coronal plane, Press GA; Murakami JW; Courchesne E; et al, AJR 1990; **154:** 593

cerebellum in sagittal plane—anatomic-MR correlation: 1. the vermis, Courchesne E; Press GA; Murakami J; et al, AJNR 1989; **10:** 659

cerebellum in sagittal plane—anatomic-MR correlation: 2. the cerebellar hemispheres, Press GA; Murakami JW; Courchesne E; et al, AJNR 1989; **10:** 667

cerebral asymmetry: MR planimetry of the human planum temporale, Steinmetz H; Rademacher J; Huang Y; et al, JCAT 1989; **13:** 996

cerebral cortical localization: application and validation of the proportional grid system in MR imaging, Steinmetz H; Fürst G; Freund H-J, JCAT 1989; **13:** 10

chemical shift imaging of human brain: axial, sagittal, and coronal P-31 metabolite images, Vigneron DB; Nelson SJ; Murphy-Boesch J; Kelley DAC; Kessler HB; Brown TR; Taylor JS, Radiology 1990; **177:** 643

computerized brain atlas: construction, anatomical content, and some applications, Greitz T; Bohm C; Holte S; et al, JCAT 1991; **15:** 26

diffusion/perfusion MR imaging of the brain: from structure to function, Le Bihan D, Radiology 1990; **177:** 328

diffusion-weighted MR imaging of anisotropic water diffusion in cat central nervous system, Moseley ME; Cohen Y; Kucharczyk J; Mintorovitch J; Asgari HS; Wendland MF; Tsuruda J; Norman D, Radiology 1990; **176:** 439

identification of pre- and postcentral gyri on CT and MR images on the basis of the medullary pattern of cerebral white matter, Iwasaki S; Nakagawa H; Fukusumi A; Kichikawa K; Kitamura K; Otsuji H; Uchida H; Ohishi H; Yaguchi K; Sumie H; Kuru Y, Radiology 1991; **179:** 207

imaging of epileptic lesions in adults: the three-dimensional approach, Fredy D, J Neuroradiol 1989; **16:** 265

integrated 3D display of brain anatomy and intracranial vasculature in MR imaging, Ehricke H-H; Laub G, JCAT 1990; **14:** 846

MR anatomy and pathology of the hypothalamus, Loes DJ; Barloon TJ; Yuh WTC; et al, AJR 1991; **156:** 579

MR imaging–based volume measurements of the hippocampal formation and anterior temporal lobe: validation studies, Jack CR Jr; Bentley MD; Twomey CK; Zinsmeister AR, Radiology 1990; **176:** 205

reference system for neuroanatomical localization on functional reconstructed cerebral images, Wilson MW; Mountz JM, JCAT 1989; **13:** 174

registration of three-dimensional MR and PET images of the human brain without markers, Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW, Radiology 1991; **181:** 731

role of iron and ferritin in MR imaging of the brain: a study in primates at different field strengths, Bizzi A; Brooks RA; Brunetti A; Hill JM; Alger JR; Miletich RS; Francavilla TL; Di Chiro G, Radiology 1990; **177:** 59

T1 and T2 in the cerebrum: correlation with age, gender, and demographic factors, Breger RK; Yetkin FZ; Fischer ME; Papke RA; Haughton VM; Rimm AA, Radiology 1991; **181:** 545

temporal lobe seizures: lateralization with MR volume measurements of the hippocampal formation, Jack CR Jr; Sharbrough FW; Twomey CK; Cascino GD; Hirschorn KA; Marsh WR; Zinsmeister AR; Scheithauer B, Radiology 1990; **175:** 423

Brain, aneurysm

See Aneurysm, cerebral

Brain, atrophy

AIDS dementia complex: brain high-energy phosphate metabolite deficits, Bottomley PA; Hardy CJ; Cousins JP; Armstrong M; Wagle WA, Radiology 1990; **176:** 407

Alzheimer disease: measuring loss of cerebral gray matter with MR imaging, Rusinek H; de Leon MJ; George AE; Stylopoulos LA; Chandra R; Smith G; Rand T; Mourino MR; Kowalski H, Radiology 1991; **178:** 109

asymptomatic and neurologically symptomatic HIV-seropositive individuals: prospective evaluation with cranial MR imaging, Post MJD; Berger JR; Quencer RM, Radiology 1991; **178:** 131

brain atrophy in 18 patients with Down syndrome: a CT study, Pearlson GD; Warren AC; Starkstein SE; et al, AJNR 1990; **11:** 811

brain atrophy in Huntington's disease: a CT-scan study, Starkstein SE; Folstein SE; Brandt J; et al, Neuroradiol 1989; **31:** 156

cerebellar atrophy caused by high-dose cytosine arabinoside: CT and MR findings, Miller L; Link MP; Bologna S; et al, AJR 1989; **152:** 343

cerebellorubral degeneration after resection of cerebellar dentate nucleus neoplasms: evaluation with MR imaging, Bontozoglou NP; Chakeres DW; Martin GF; Brogan MA; McGhee RB, Radiology 1991; **180:** 223

cerebral atrophy in Lyme disease, Aasly J; Nilsen G, Neuroradiol 1990; **32:** 252

iodoamphetamine-123 brain imaging demonstrating cortical deactivation in a patient with progressive supranuclear palsy, Timmons JH; Bonikowski FW; Hartshorne MF, Clin Nucl Med 1989; **14:** 841

leukoaraiosis: correlation of MR and CT findings with blood flow, atrophy, and cognition, Kobari M; Meyer JS; Ichijo M; et al, AJNR 1990; **11:** 273

membranous lipodystrophy: MR imaging appearance of the brain, Araki T; Ohba H; Monzawa S; Sakuyama K; Hachiya J; Seki T; Takahashi Y; Yamaguchi M, Radiology 1991; **180:** 793

olivopontocerebellar atrophy: MR diagnosis and relationship to multisystem atrophy, Savoiardo M; Strada L; Girotti F; Zimmerman RA; Grisoli M; Testa D; Petrillo R, Radiology 1990; **174:** 693

osteogenesis imperfecta associated with basilar impression and cerebral atrophy: a case report, Brooks ML; Gall C; Wang A-M; et al, Comput Med Imag Graph 1989; **13:** 363

quantitative evaluation of pontine atrophy using computer tomography, Chida K; Goto N; Kamikura I; et al, Neuroradiol 1989; **31:** 13

senile dementia and healthy aging: a longitudinal CT study, Wippold FJ II; Gado MH; Morris JC; Duchek JM; Grant EA, Radiology 1991; **179:** 215

temporal lobe atrophy in patients with Alzheimer disease: a CT study, Kido DK; Caine ED; LeMay M; et al, AJNR 1989; **10:** 551

Brain, biopsy

infantile Alexander disease: MR appearance of a biopsy-proved case, Shah M; Ross JS, AJNR 1990; **11:** 1105

positron emission tomography compared with magnetic resonance imaging and computed tomography in supratentorial gliomas using multiple stereotactic biopsies as reference, Mosskin M; Ericson K; Hindmarsh T; et al, Acta Radiol 1989; **30:** 225

preliminary experience with the Berger neurobiopsy device for ultrasound guided aspiration and biopsy of intracranial lesions, Borgstein RL; Moxon RA; Hately W; et al, Clin Radiol 1991; **44:** 98

Brain, calcification

calcification in cerebral non-Hodgkin's lymphoma: CT demonstration, Yamada I; Suzuki S, Neuroradiol 1989; **31:** 372

cerebral tuberous sclerosis: MR imaging, Nixon JR; Houser OW; Gomez MR; Okazaki H, Radiology 1989; **170:** 869

comparison of extensive brain calcification in postoperative hypoparathyroidism on CT and NMR scan, Lang C; Huk W; Pichl J, Neuroradiol 1989; **31:** 29

fetal intracranial calcifications: the importance of periventricular hyperechoic foci without shadowing, Fakhry J; Khoury A, J Ultrasound Med 1991; **10:** 51

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

high signal intensity in MR images of calcified brain tissue, Henkelman RM; Watts JF; Kucharczyk W, Radiology 1991; **179:** 199

intracranial calcified deposits in neurofibromatosis type 2: a CT study of 11 cases, Mayfrank L; Mohadjer M; Wullich B, Neuroradiol 1990; **32:** 33

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; **179:** 819

Tc-99m HMPAO SPECT of the brain in a patient with striopallidodentate calcifications, Dierckx R; Jorens PG; Appel B; et al, Clin Nucl Med 1991; **16:** 439

unusual encephaloclastic lesions with paraventricular calcification in congenital rubella, Parisot S; Droulle P; Feldmann M; et al, Pediatr Radiol 1991; **21:** 229

unusually large calcified brain abscess: CT findings, Nitta H; Tachibana O; Hayashi Y; et al, JCAT 1990; **14:** 485

vanishing calcification of the brain in an infant after open heart surgery, Begeer JH; Rutgers AWF; Vencken LM; et al, Neuroradiol 1991; **33:** 374

Brain, CT

acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN, Radiographics 1990; **10:** 201

acute traumatic midbrain hemorrhage: experimental and clinical observations with CT, Meyer CA; Mirvis SE; Wolf AL; Thompson RK; Gutierrez MA, Radiology 1991; **179:** 813

age-related changes in cerebral white matter measured by computed cranial tomography, Fukuda H; Kobayashi S; Koide H; et al, Comput Med Imag Graph 1990; **14:** 79

Alzheimer disease: quantitative analysis of I-123–iodoamphetamine SPECT brain imaging, Hellman RS; Tikofsky RS; Collier BD; Hoffmann RG; Palmer DW; Glatt SL; Antuono PG; Isitman AT; Papke RA, Radiology 1989; **172:** 183

Alzheimer's disease: longitudinal CT studies of ventricular change, de Leon MJ; George AE; Reisberg B; et al, AJNR 1989; **10:** 371

anatomic localization of cerebral cortical function by magnetoencephalography combined with MR imaging and CT, Orrison WW; Davis LE; Sullivan GW; et al, AJNR 1990; **11:** 713

anatomy-computerized tomography correlations in transtentorial brain herniation, Nguyen JP; Djindjian M; Brugieres P; et al, J Neuroradiol 1989; **16:** 181

Anderson-Fabry disease: a case report with MR, CT, and cerebral angiography, Moumdjian R; Tampieri D; Melanson D; et al, AJNR 1989; **10:** S69

answer to case of the month #7: appearance of "reversal sign" in computed tomographyscans as an indicator of changes in the brain caused by anoxia and ischemia, Assaf A; O'Gorman AM, J Canad Assoc Radiol 1991; **42:** 223

atypical CT and MR appearance of a Rathke cleft cyst, Mize W; Ball WS Jr; Towbin RB; et al, AJNR 1989; **10:** S83

band heterotopias: a newly recognized neuronal migration anomaly, Barkovich AJ; Jackson DE Jr; Boyer RS, Radiology 1989; **171:** 455

brain atrophy in 18 patients with Down syndrome: a CT study, Pearlson GD; Warren AC; Starkstein SE; et al, AJNR 1990; **11:** 811

brain atrophy in Huntington's disease: a CT-scan study, Starkstein SE; Folstein SE; Brandt J; et al, Neuroradiol 1989; **31:** 156

brain CT and MR findings in hyperphenylalaninemia due to dihydropteridine reductase deficiency (variant of phenylketonuria), Sugita R; Takahashi S; Ishii K; et al, JCAT 1990; **14:** 699

brain damage in former association football players: an evaluation by cerebral computed tomography, Sortland O; Tysvaer AT, Neuroradiol 1989; **31:** 44

calcified cerebral sinus thrombosis in infancy—CT appearances with pathological correlation, Davies RP; Slavotinek JP; James SL; et al, Pediatr Radiol 1989; **20:** 101

Canavan disease: CT and MR imaging of the brain, Brismar J; Brismar G; Gascon G; et al, AJNR 1990; **11:** 805

cerebral candidiasis. computed tomography appearance, Chaabane M; Krifa H; Ladeb MF; et al, Pediatr Radiol 1989; **19:** 436

cerebral CT of lethal ethylene glycol intoxication with pathologic correlation, Zeiss J; Velasco ME; McCann KM; et al, AJNR 1989; **10:** 440

cerebral cysticercosis: documentation of natural history with CT, Kramer LD; Locke GE; Byrd SE; Daryabagi J, Radiology 1989; **171:** 459

cerebral infarction: diagnosis and assessment of prognosis by using ^{123}IMP-SPECT and CT, Hayman LA; Taber KH; Jhingran SG; et al, AJNR 1989; **10:** 557

cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P, Radiology 1990; **175:** 111

cerebral tuberous sclerosis: MR imaging, Nixon JR; Houser OW; Gomez MR; Okazaki H, Radiology 1989; **170:** 869

cocaine abuse: neurovascular complications, Jacobs IG; Roszler MH; Kelly JK; Klein MA; Kling GA, Radiology 1989; **170:** 223

colloid cysts of the third ventricle: correlation of MR and CT findings with histology and chemical analysis, Maeder PP; Holtás SL; Basibüyük LN; et al, AJNR 1990; **11:** 575

comparison of CT, low-field-strength MR imaging, and high-field-strength MR imaging: work in progress, Orrison WW Jr; Stimac GK; Stevens EA; LaMasters DL; Espinosa MC; Cobb L; Mettler FA Jr, Radiology 1991; **181:** 121

comparison of CT, MR, and PET in Alzheimer's dementia and normal aging, Fazekas F; Alavi A; Chawluk JB; et al, J Nucl Med 1989; **30:** 1607

comparison of extensive brain calcification in postoperative hypoparathyroidism on CT and NMR scan, Lang C; Huk W; Pichl J, Neuroradiol 1989; **31:** 29

computed tomographic (CT) scans in cerebral palsy (CP), Kolawole TM; Patel PJ; Mahdi AH, Pediatr Radiol 1989; **20:** 23

computed tomographic findings in brain swelling, Weisberg LA; Greenberg J; Stazio A, Comput Med Imag Graph 1990; **14:** 263

computed tomography and lateral ventricular asymmetry: clinical and brain structural correlates, Grosman H; Stein M; Perrin RC; et al, J Canad Assoc Radiol 1990; **41:** 342

computed tomography and magnetic resonance imaging in adult-onset leukodystrophy, (ab), Schwankhaus JD; Patronas N; Dorwart R; et al, Radiology 1989; **171:** 591

computed tomography and magnetic resonance imaging of the skull and brain, Deck MDF, Clin Imag 1989; **13:** 95

computed tomography (CT) and magnetic resonance (MR) imaging of heterotopic gray matter presenting with late-onset seizures, Mineura K; Fushimi S; Sugawara T; et al, Comput Med Imag Graph 1990; **14:** 217

computed tomography of intracranial tuberculosis, Jinkins JR, Neuroradiol 1991; **33:** 126

computed tomography of the brain in the diagnosis of and prognosis in normal pressure hydrocephalus, Wikkelsö C; Andersson H; Blomstrand C; et al, Neuroradiol 1989; **31:** 160

computed tomography versus magnetic resonance imaging of the brain: a collaborative interinstitutional study, Deck MDF; Henschke C; Lee BCP; et al, Clin Imag 1989; **13:** 2

computerized tomography in primary hyperammonemia, Olier J; Gallego J; Digon E, Neuroradiol 1989; **31:** 356

computerized tomography of brain in infantile spasms (West syndrome), Mahdi AH; Yohannan MD; Patel PJ; et al, Pediatr Radiol 1990; **21:** 9

contrast-enhanced CT of acute isodense subdural hematoma, Boyko OB; Cooper DF; Grossman CB, AJNR 1991; **12:** 341

contribution of computed tomography in the aetiology and prognosis of cerebral palsy in children, Schouman-Claeys E; Picard A; Lalande G; et al, Br J Radiol 1989; **62:** 248

cranial computed tomography in acute disseminated encephalomyelitis, Thajeb P; Chen S-T, Neuroradiol 1989; **31:** 8

cranial CT artifacts and gantry angulation, Rozeik C; Kotterer O; Preiss J; et al, JCAT 1991; **15:** 381

CT and MR evaluation of migrational disorders of the brain: part I. lissencephaly and pachygyria, Byrd SE; Osborn RE; Bohan TP; et al, Pediatr Radiol 1989; **19:** 151

CT and MR evaluation of migrational disorders of the brain: part II. schizencephaly, heterotopia and polymicrogyria, Byrd SE; Osborn RE; Bohan TP; et al, Pediatr Radiol 1989; **19:** 219

CT and MR findings in a patient with alien hand sign, Kuhn MJ; Shekar PC; Schuster J; et al, AJNR 1990; **11:** 1162

CT and MR imaging of acute cerebellar ataxia, Shoji H; Hirai S; Ishikawa K; et al, Neuroradiol 1991; **33:** 360

CT and MR imaging of CNS lymphomatoid granulomatosis, Kerslake RW; Rowe D; Worthington BS, Neuroradiol 1991; **33:** 269

CT and MR studies of methylmalonic acidemia, Andreula CF; De Blasi R; Carella A, AJNR 1991; **12:** 410

CT appearance of panencephalopathic and ataxic type of Creutzfeldt–Jakob disease, Berciano J; Díez C; Polo JM; et al, JCAT 1991; **15:** 332

CT demonstration of massive cerebral air embolism from pulmonary barotrauma due to cardiopulmonary resuscitation, Yamaki T; Ando S; Ohta K; et al, JCAT 1989; **13:** 313

CT diagnostic features of Alzheimer disease: importance of the choroidal/hippocampal fissure complex, George AE; de Leon MJ; Stylopoulos LA; et al, AJNR 1990; **11:** 101

CT evidence of intracranial contusion and haematoma in relation to the presence, site and type of skull fracture, MacPherson BCM; MacPherson P; Jennett B, Clin Radiol 1990; **42:** 321

CT features of *Cellulosae* and *Racemosus* neurocysticercosis, Rodacki MA; Detoni XA; Teixeira WR; et al, JCAT 1989; **13:** 1013

CT of intracranial cryptococcosis, Popovich MJ; Arthur RH; Helmer E, AJNR 1990; **11:** 139

CT of intracranial cryptococcosis, Popovich MJ; Arthur RH; Helmer E, AJR 1990; **154:** 603

CT of intrasellar colloid cyst, Sener RN; Jinkins JR, JCAT 1991; **15:** 671

CT patterns of intracranial hemorrhage complicating thrombolytic therapy for acute myocardial infarction, Uglietta JP; O'Connor CM; Boyko OB; Aldrich H; Massey EW; Heinz ER, Radiology 1991; **181:** 555

CT signs of ascending transtentorial cerebellar herniation, Hahn FJ; Witte RJ, JCAT 1989; **13:** 1091

cysticercosis mimicking brain neoplasms: MR and CT appearance, Michael AS; Levy JM; Paige ML, JCAT 1990; **14:** 708

detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J, Radiology 1989; **170:** 545

detection of lacunar infarction in brain CT-scans: no evidence of bias from accompanying patient information, Bonke B; Koudstaal PJ; Dijkstra G; et al, Neuroradiol 1989; **31:** 170

diagnosis of acute cerebral infarction: comparison of CT and MR imaging, Bryan RN; Levy LM; Whitlow WD; et al, AJNR 1991; **12:** 611

diagnosis of acute cerebral infarction: comparison of CT and MR imaging, Bryan RN; Levy LM; Whitlow WD; et al, AJR 1991; **157:** 585

differentiation between cerebral embolism and thrombosis on sequential CT scans, Tomura N; Inugami A; Kanno I; et al, JCAT 1990; **14:** 26

diffuse pneumocephalus from *Clostridium perfringens* meningitis: CT findings, Klein MA; Kelly JK; Jacobs IG, AJNR 1989; **10:** 447

encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA, Radiology 1990; **175:** 185

evaluation of craniosynostosis with three-dimensional CT imaging, Parisi M; Mehdizadeh HM; Hunter JC; et al, JCAT 1989; **13:** 1006

evaluation of elastic matching system for anatomic (CT, MR) and functional (PET) cerebral images, Dann R; Hoford J; Kovačič S; et al, JCAT 1989; **13:** 603

extended use of cranial CT in the evaluation of patients with stroke and transient ischaemic attacks, Stevens JM; Barber CJ; Kerslake R; et al, Neuroradiol 1991; **33:** 200

fat deposition adjacent to chronic subdural hematoma: CT demonstration, Awwad EE; Dilorio G; Martin DS; et al, JCAT 1990; **14:** 665

focal epilepsies: HM-PAO SPECT compared with CT, MR, and EEG, Cordes M; Christe W; Henkes H; et al, JCAT 1990; **14:** 402

follow-up study by CT and MRI in 3 cases of Japanese encephalitis, Shoji H; Murakami T; Murai I; et al, Neuroradiol 1990; **32:** 215

glutaric aciduria type I: brain CT features and a diagnostic pitfall, Mandel H; Braun J; El-Peleg O; et al, Neuroradiol 1991; **33:** 75

hypertrophic cranial pachymeningitis: assessment with CT and MR imaging, Martin N; Masson C; Henin D; et al, AJNR 1989; **10:** 477

identification of pre- and postcentral gyri on CT and MR images on the basis of the medullary pattern of cerebral white matter, Iwasaki S; Nakagawa H; Fukusumi A; Kichikawa K; Kitamura K; Otsuji H; Uchida H; Ohishi H; Yaguchi K; Sumie H; Kuru Y, Radiology 1991; **179:** 207

imaging of acute stroke, Bryan RN, Radiology 1990; **177:** 615

increased density of the thalamus on CT scans in patients with GM_2 gangliosidoses, Brismar J; Brismar G; Coates R; et al, AJNR 1990; **11:** 125

interindividual variability of cranioencephalic relationships as predicted by CT, Tartaglione A; Martinoli O; Uccelli A; et al, JCAT 1991; **15:** 647

intracranial protrusion of the glenoid fossa: CT findings, Fishbein MJ; Awwad EE; Sundaram M; et al, JCAT 1989; **13:** 1093

intraventricular hemorrhage in adults: clinical-computed tomographic correlations, Weisberg LA; Elliott D; Shamsnia M, Comput Med Imag Graph 1991; **15:** 43

iohexol CT ventriculogram of multiple cerebral hydatid cysts, Peker S; Celik H; Eryilmaz M; et al, AJNR 1991; **12:** 797

large asymptomatic noncolloid neuroepithelial cysts in the lateral ventricle: CT and MR features, Numaguchi Y; Foster RW; Gum GK, Neuroradiol 1989; **31:** 98

Leigh disease: value of CT in presymptomatic patients and variability of the lesions with time, Taccone A; Di Rocco M; Fondelli P; et al, JCAT 1989; **13:** 207

leukoaraiosis: correlation of MR and CT findings with blood flow, atrophy, and cognition, Kobari M; Meyer JS; Ichijo M; et al, AJNR 1990; **11:** 273

lissencephaly and pachygyria, Banna M; Malabarey T, J Canad Assoc Radiol 1989; **40:** 156

loss of the insular ribbon: another early CT sign of acute middle cerebral artery infarction, Truwit CL; Barkovich AJ; Gean-Marton A; Hibri N; Norman D, Radiology 1990; **176:** 801

malignant hyperphenylalaninemia: CT and MR of the brain, Brismar J; Aqeel A; Gascon G; et al, AJNR 1990; **11:** 135

maple syrup urine disease: findings on CT and MR scans of the brain in 10 infants, Brismar J; Aqeel A; Brismar G; et al, AJNR 1990; **11:** 1219

mitochondrial encephalomyopathy (MELAS) with mental disorder: CT, MRI and SPECT findings, Suzuki T; Koizumi J; Shiraishi H; et al, Neuroradiol 1990; **32:** 74

MR and CT of tuberous sclerosis: linear abnormalities in the cerebral white matter, Iwasaki S; Nakagawa H; Kichikawa K; et al, AJNR 1990; **11:** 1029

MR imaging and CT in three cases of Sturge-Weber syndrome: prospective comparison, Chamberlain MC; Press GA; Hesselink JR, AJNR 1989; **10:** 491

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

multiple sclerosis: histopathologic and MR and/or CT correlation in 37 cases at biopsy and three cases at autopsy, Nesbit GM; Forbes GS; Scheithauer BW; Okazaki H; Rodriguez M, Radiology 1991; **180:** 467

multiple sclerosis in adolescents: CT and MR findings, Osborn AG; Harnsberger HR; Smoker WRK; et al, AJR 1990; **155:** 385

multiple sclerosis simulating brain tumor on computed tomography, Otsuka S-I; Nakatsu S; Matsumoto S; et al, JCAT 1989; **13:** 674

Nocardia infection in patients with liver transplants or chronic liver disease: radiologic findings, Raby N; Forbes G; Williams R, Radiology 1990; **174:** 713

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

pachygyriclike changes: topographic appearance at MR imaging and CT and correlation with neurologic status, Titelbaum DS; Hayward JC; Zimmerman RA, Radiology 1989; **173:** 663

PET, CT, and MRI in the evaluation of neuropsychiatric disorders: current applications, Jolles PR; Chapman PR; Alavi A, J Nucl Med 1989; **30:** 1589

posttraumatic cerebral infarction diagnosed by CT: prevalence, origin, and outcome, Mirvis SE; Wolf AL; Numaguchi Y; et al, AJNR 1990; **11:** 355

quantitative evaluation of pontine atrophy using computer tomography, Chida K; Goto N; Kamikura I; et al, Neuroradiol 1989; **31:** 13

radiation dose to the lens of the eye during computerised tomography examinations of the orbit, the pituitary fossa and the brain on a General Electric 9800 Quick C.T. scanner, Siddle KJ; Sim L, Australas Radiol 1990; **34:** 326

radiology pathology conference, Olson SR; Govoni AF; Minkowitz G, Clin Imag 1989; **13:** 327

rapid three-dimensional display of the cerebral ventricles from noncontrast CT scans, Naidich TP; Teeter BC; Nieves A; et al, JCAT 1989; **13:** 779

reaction to contrast media in contrast-enhanced CT of the brain: a comparative investigation of non-ionic Ultravist and ionic Urografin-meglumin, Jensen PR; Øwre A; Ahlgren P, Eur J Radiol 1989; **9:** 144

repeated computed tomography in lacunar infarcts of the brain, Skriver EB; Olsen TS, Acta Radiol 1989; **30:** 1

reversibility of CT and MR findings in neuro-Behçet disease, Patel DV; Neuman MJ; Hier DB, JCAT 1989; **13:** 669

role of computed tomography in patients with lacunar stroke in the carotid territory, Kappelle LJ; Ramos LMP; van Gijn J, Neuroradiol 1989; **31:** 316

role of xenon CT measurements of cerebral blood flow in the clinical determination of brain death, Pistoia F; Johnson DW; Darby JM; et al, AJNR 1991; **12:** 97

seizure induced disruption of blood–brain barrier demonstrated by CT, Clarke HB; Gabrielsen TO, JCAT 1989; **13:** 889

senile dementia and healthy aging: a longitudinal CT study, Wippold FJ II; Gado MH; Morris JC; Duchek JM; Grant EA, Radiology 1991; **179:** 215

serial computed tomography findings in Creutzfeldt-Jakob disease, Schlenska GK; Walter GF, Neuroradiol 1989; **31:** 303

serial imaging of Menkes disease, Ichihashi K; Yano S; Kobayashi S; et al, Neuroradiol 1990; **32:** 56

sinus pericranii: CT and MR findings, Sadler LR; Tarr RW; Jungreis CA; et al, JCAT 1990; **14:** 124

Sneddon syndrome: CT, arteriography, and MR imaging, Blom RJ, JCAT 1989; **13:** 119

spontaneous intracerebral hematomas from vascular causes: predictive value of CT compared with angiography, Laissy J-P; Normand G; Monroc M; et al, Neuroradiol 1991; **33:** 291

Sturge-Weber syndrome: comparison of MR and CT characteristics, Wasenko JJ; Rosenbloom SA; Duchesneau PM; et al, AJNR 1990; **11:** 131

subacute sclerosing panencephalitis: changes on CT scan during acute relapse, Modi G; Campbell H; Bill P, Neuroradiol 1989; **31:** 433

subcortical cerebral hemorrhages associated with cocaine abuse: CT and MR findings, Nalls G; Disher A; Daryabagi J; et al, JCAT 1989; **13:** 1

subcortical lobar hematomas: clinico-computed tomographic correlations, Iwasaki Y; Kinoshita M, Comput Med Imag Graph 1989; **13:** 195

subdural mass lesion secondary to sarcoid granuloma: MR and CT findings and differential diagnosis, Brooks ML; Wang A-M; Black PM; et al, Comput Med Imag Graph 1989; **13:** 199

supplementary CT temporal lobe cuts confer no worthwhile benefit, Straiton JA; Macpherson P; Teasdale EM, Neuroradiol 1991; **33:** 19

temporal lobe atrophy in patients with Alzheimer disease: a CT study, Kido DK; Caine ED; LeMay M; et al, AJNR 1989; **10:** 551

three-dimensional alignment of functional and morphological tomograms, Pietrzyk U; Herholz K; Heiss W-D, JCAT 1990; **14:** 51

transient gyriform brightness on non-contrast enhanced computed tomography (CT) brain scan of seven infants, Close PJ; Carty HM, Pediatr Radiol 1991; **21:** 189

traumatic brain stem injury: MR imaging, Gentry LR; Godersky JC; Thompson BH, Radiology 1989; **171:** 177

unbiased and efficient estimation of total ventricular volume of the brain obtained from CT-scans by a stereological method, Pakkenberg B; Boesen J; Albeck M; et al, Neuroradiol 1989; **31:** 413

value of contrast enhanced CT scanning in the non-trauma emergency room patient, Wood LP; Parisi M; Finch IJ, Neuroradiol 1990; **32:** 261

Wilson's disease: computed tomography and magnetic resonance imaging findings, Abdollah A; Tampieri D; Melanson D, J Canad Assoc Radiol 1991; **42:** 130

xenon-enhanced CT of the brain: effect of flow activation on derived cerebral blood flow measurements, Good WF; Gur D, AJNR 1991; **12:** 83

Brain, cysts

agenesis of the corpus callosum and colloid cyst of the third ventricle: magnetic resonance imaging of an unusual association, del Carpio-O'Donovan R; Cardinal E, J Canad Assoc Radiol 1990; **41:** 375

atypical CT and MR appearance of a Rathke cleft cyst, Mize W; Ball WS Jr; Towbin RB; et al, AJNR 1989; **10:** S83

colloid cysts of the third ventricle: correlation of MR and CT findings with histology and chemical analysis, Maeder PP; Holtás SL; Basibüyük LN; et al, AJNR 1990; **11:** 575

colloid cysts of the third ventricle: correlation of MR and CT findings with histology and chemical analysis, Maeder PP; Holtás SL; Basibüyük LN; et al, AJR 1990; **155:** 135

colloid cysts of the third ventricle: MR findings, Wilms G; Marchal G; Van Hecke P; et al, JCAT 1990; **14:** 527

craniospinal enterogenous cyst: MR findings, Kak VK; Gupta RK; Sharma BS; et al, JCAT 1990; **14:** 470

CT of intrasellar colloid cyst, Sener RN; Jinkins JR, JCAT 1991; **15:** 671

dense epidermoid cyst of the cerebellopontine angle, Tekkök IH; Cataltepe O; Sağlam S, Neuroradiol 1991; **33:** 255

diagnosis of ruptured intracranial dermoid cyst: value of MR over CT, Smith AS; Benson JE; Blaser SI; et al, AJNR 1991; **12:** 175

diagnosis of ruptured intracranial dermoid cyst: value of MR over CT, Smith AS; Benson JE; Blaser SI; et al, AJR 1991; **156:** 807

diffusion-weighted MR imaging of the brain: value of differentiating between extraaxial cysts and epidermoid tumors, Tsuruda JS; Chew WM; Moseley ME; et al, AJNR 1990; **11:** 925

frontal periventricular cysts on the first day of life: a one-year clinical follow-up and its significance, Sudakoff GS; Mitchell DG; Stanley C; et al, J Ultrasound Med 1991; **10:** 25

hydrocephalus and porencephaly: prenatal diagnosis by ultrasonography and MR imaging, Tomá P; Lucigrai G; Ravegnani M; et al, JCAT 1990; **14:** 843

iohexol CT ventriculogram of multiple cerebral hydatid cysts, Peker S; Celik H; Eryilmaz M; et al, AJNR 1991; **12:** 797

large asymptomatic noncolloid neuroepithelial cysts in the lateral ventricle: CT and MR features, Numaguchi Y; Foster RW; Gum GK, Neuroradiol 1989; **31:** 98

MR appearance and cyst content of Rathke cleft cysts, Asari S; Ito T; Tsuchida S; et al, JCAT 1990; **14:** 532

MR imaging of an intracerebral hydatid cyst, Coates R; von Sinner W; Rahm B, AJNR 1990; **11:** 1249

MR imaging of CSF-like choroidal fissure and parenchymal cysts of the brain, Sherman JL; Camponovo E; Citrin CM, AJNR 1990; **11:** 939

MR imaging of CSF-like choroidal fissure and parenchymal cysts of the brain, Sherman JL; Camponovo E; Citrin CM, AJR 1990; **155:** 1069

MR imaging of intracranial fluid levels, Abrahams JJ; Lidov M; Artiles C, AJNR 1989; **10:** 695

pontine hydatid cyst in association with an acoustic neurinoma: MR appearance in an unusual case, Mascalchi M; Ragazzoni A; Dal Pozzo G, AJNR 1991; **12:** 78

unusual CT image of a cerebral hydatid cyst, González-Ruiz CA; Isla A; Pérez-Higueras A; et al, Pediatr Radiol 1990; **20:** 283

Brain, death

assessment of brain death in children by means of P-31 MR spectroscopy: preliminary note: work in progress, Kato T; Tokumaru A; O'uchi T; Mikami I; Umeda M; Nose K; Eguchi T; Hasegawa M; Okuyama K, Radiology 1991; **179:** 95

brain death in infants: evaluation with Doppler US, Glasier CM; Seibert JJ; Chadduck WM; Williamson SL; Leithiser RE Jr, Radiology 1989; **172:** 377

cerebral perfusion imaging with technetium-99m HM-PAO in brain death and severe central nervous system injury, Laurin NR; Driedger AA; Hurwitz GA; et al, J Nucl Med 1989; **30:** 1627

clinical use of technetium-99m HM-PAO for determination of brain death, Reid RH; Gulenchyn KY; Ballinger JR, J Nucl Med 1989; **30:** 1621

diagnosis of brain death by transcranial Doppler sonography, (ab), Bode H; Sauer M; Pringsheim W, Radiology 1989; **172:** 294

hollow skull: a sign of brain death in Tc-99m HM-PAO brain scintigraphy, Abdel-Dayem HM; Bahar RH; Sigurdsson GH; et al, Clin Nucl Med 1989; **14:** 912

role of xenon CT measurements of cerebral blood flow in the clinical determination of brain death, Pistoia F; Johnson DW; Darby JM; et al, AJNR 1991; **12:** 97

Brain, diffusion

See Brain, perfusion

Brain, diseases

abnormal signal in deep white-matter infarction, Barnes D, Radiology 1989; **170:** 279

abnormal signal in deep white-matter infarction: reply, Bradley WG Jr; Marshall VG, Radiology 1989; **170:** 280

acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN, Radiographics 1990; **10:** 201

AIDS dementia complex: brain high-energy phosphate metabolite deficits, Bottomley PA; Hardy CJ; Cousins JP; Armstrong M; Wagle WA, Radiology 1990; **176:** 407

Alexander's disease: cranial MRI and ultrasound findings, Schuster V; Horwitz AE; Kreth HW, Pediatr Radiol 1991; **21:** 133

Alzheimer disease: quantitative analysis of I-123–iodoamphetamine SPECT brain imaging, Hellman RS; Tikofsky RS; Collier BD; Hoffmann RG; Palmer DW; Glatt SL; Antuono PG; Isitman AT; Papke RA, Radiology 1989; **172:** 183

Anderson-Fabry disease: a case report with MR, CT, and cerebral angiography, Moumdjian R; Tampieri D; Melanson D; et al, AJNR 1989; **10:** S69

brain CT and MR findings in hyperphenylalaninemia due to dihydropteridine reductase deficiency (variant of phenylketonuria), Sugita R; Takahashi S; Ishii K; et al, JCAT 1990; **14:** 699

brain SPECT imaging with Tc-99m HM-PAO in Creutzfeld-Jakob disease, Cohen D; Krausz Y; Lossos A; et al, Clin Nucl Med 1989; **14:** 808

Canavan disease: CT and MR imaging of the brain, Brismar J; Brismar G; Gascon G; et al, AJNR 1990; **11:** 805

case report: Moyamoya disease—imaging with magnetic resonance, Brady AP; Stack JP; Ennis JT, Clin Radiol 1990; **42:** 138

central pontine myelinolysis with clinical recovery: MR documentation, Ragland RL; Duffis AW; Gendelman S; et al, JCAT 1989; **13:** 316

cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Tien RD; Brasch RC; Jackson DE; Dillon WP, Radiology 1989; **172:** 791

cerebral infarct in patients with hemorrhagic shock and encephalopathy syndrome, Zureikat GY; Zador I; Aouthmany M; et al, Pediatr Radiol 1990; **20:** 301

cerebral MR of Menkes kinky-hair disease, Faerber EN; Grover WD; DeFilipp GJ; et al, AJNR 1989; **10:** 190

cerebral tuberous sclerosis: MR imaging, Nixon JR; Houser OW; Gomez MR; Okazaki H, Radiology 1989; **170:** 869

computed tomography and magnetic resonance imaging in adult-onset leukodystrophy, (ab), Schwankhaus JD; Patronas N; Dorwart R; et al, Radiology 1989; **171:** 591

CT and MR findings in diffuse cerebral histiocytosis: case report, Ragland RL; Moss DS; Duffis AW; et al, AJNR 1991; **12:** 525

CT and MR imaging of CNS lymphomatoid granulomatosis, Kerslake RW; Rowe D; Worthington BS, Neuroradiol 1991; **33:** 269

CT appearance of panencephalopathic and ataxic type of Creutzfeldt–Jakob disease, Berciano J; Diez C; Polo JM; et al, JCAT 1991; **15:** 332

encephalopathy in AIDS patients: evaluation with MR imaging, Flowers CH; Mafee MF; Crowell R; et al, AJNR 1990; **11:** 1235

fluctuating MR images with mitochondrial encephalopathy, lactic acidosis, stroke-like syndrome (MELAS), Abe K; Inui T; Hirono N; et al, Neuroradiol 1990; **32:** 77

focal brain lesions on computed tomography in patients with acquired immune deficiency syndrome, Harrison PB; Clarke SD; Silver SF, J Canad Assoc Radiol 1990; **41:** 83

follow-up MR studies in Hallervorden-Spatz disease, Gallucci M; Cardona F; Arachi M; et al, JCAT 1990; **14:** 118

Gd-DOTA-enhanced MR imaging in two cases of Sturge-Weber syndrome, Lipski S; Brunelle F; Aicardi J; et al, AJNR 1990; **11:** 690

glutaric aciduria type I: brain CT features and a diagnostic pitfall, Mandel H; Braun J; El-Peleg O; et al, Neuroradiol 1991; **33:** 75

impact of section doubling on lesion contrast, Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L, Radiology 1991; **180:** 123

infantile Alexander disease: MR appearance of a biopsy-proved case, Shah M; Ross JS, AJNR 1990; **11:** 1105

intracranial sarcoidosis on gadolinium-enhanced MRI, Liu DPC; Sze G, Neuroradiol 1991; **33:** 189

Leigh disease: value of CT in presymptomatic patients and variability of the lesions with time, Taccone A; Di Rocco M; Fondelli P; et al, JCAT 1989; **13:** 207

leukoencephalopathy in cerebral amyloid angiopathy: MR imaging in four cases, Loes DJ; Biller J; Yuh WTC; et al, AJNR 1990; **11:** 485

Lhermitte-Duclos disease: CT and MR findings, Ashley DG; Zee C-S; Chandrasoma PT; et al, JCAT 1990; **14:** 984

magnetic resonance imaging in MELAS syndrome, Rosen L; Phillips S; Enzmann D, Neuroradiol 1990; **32:** 168

measurement of caudate nucleus area—a more accurate measurement for Huntington's disease?, Wardlaw JM; Sellar RJ; Abernethy LJ, Neuroradiol 1991; **33:** 316

metabolic and destructive brain disorders in children: findings with localized proton MR spectroscopy, Grodd W; Krägeloh-Mann I; Klose U; Sauter R, Radiology 1991; **181:** 173

mitochondrial encephalomyopathy (MELAS) with mental disorder: CT, MRI and SPECT findings, Suzuki T; Koizumi J; Shiraishi H; et al, Neuroradiol 1990; **32:** 74

mitochondrial encephalomyopathy—two years follow-up by MRI, Hausegger KA; Millner MM; Ebner F; et al, Pediatr Radiol 1991; **21:** 231

Moyamoya disease: MR findings, Brown WD; Graves VB; Chun RWM; et al, JCAT 1989; **13:** 720

MR demonstration of leukoencephalopathy associated with mitochondrial encephalomyopathy: case report, Sandhu FS; Dillon WP, AJNR 1991; **12:** 375

MR findings in globoid cell leucodystrophy, Demaerel P; Wilms G; Verdru P; et al, Neuroradiol 1990; **32:** 520

MR findings in leukodystrophy, Demaerel P; Faubert C; Wilms G; et al, Neuroradiol 1991; **33:** 368

MR findings in Meige syndrome, Piazza P; Bettoni L; Bortone E; et al, JCAT 1989; **13:** 116

MR findings in patients with subacute necrotizing encephalomyelopathy (Leigh syndrome): correlation with biochemical defect, Medina L; Chi TL; DeVivo DC; et al, AJNR 1990; **11:** 379

MR findings in patients with subacute necrotizing encephalomyelopathy (Leigh syndrome): correlation with biochemical defect, Medina L; Chi TL; DeVivo DC; et al, AJR 1990; **154:** 1269

MRI findings in the mild type of mucopolysaccharidosis II (Hunter's syndrome), Shimoda-Matsubayashi S; Kuru Y; Sumie H; et al, Neuroradiol 1990; **32:** 328

MR imaging and CT in three cases of Sturge-Weber syndrome: prospective comparison, Chamberlain MC; Press GA; Hesselink JR, AJNR 1989; **10:** 491

MR imaging appearance of childhood adrenoleukodystrophy with auditory, visual, and motor pathway involvement, Jensen ME; Sawyer RW; Braun IF; Rizzo WB, Radiographics 1990; **10:** 53

MR imaging in a patient with Leigh's disease (subacute necrotizing encephalomyelopathy), Manzi SV; Hager KH; Murtagh FR; et al, Pediatr Radiol 1990; **21:** 62

MR imaging in progressive supranuclear palsy and Shy-Drager syndrome, Savoiardo M; Strada L; Girotti F; et al, JCAT 1989; **13:** 555

MR imaging of acquired hepatocerebral degeneration, Kulisevsky J; Ruscalleda J; Grau JM, AJNR 1991; **12:** 527

MR imaging of leukoencephalopathy associated with Navajo neuropathy, Williams KD; Drayer BP; Johnsen SD; et al, AJNR 1990; **11:** 400

MR imaging of Lhermitte-Duclos disease: a case report, Smith RR; Grossman RI; Goldberg HI; et al, AJNR 1989; **10:** 187

MR imaging of periventricular leukomalacia in childhood, Flodmark O; Lupton B; Li D; et al, AJNR 1989; **10:** 111

MR imaging of Sturge-Weber syndrome: role of gadopentetate dimeglumine and gradient-echo techniques, Elster AD; Chen MYM, AJNR 1990; **11:** 685

MR imaging of the brain in five members of a family with Pelizaeus-Merzbacher disease, Silverstein AM; Hirsh DK; Trobe JD; et al, AJNR 1990; **11:** 495

MR in the diagnosis of Wernicke-Korsakoff syndrome, Victor M, AJR 1990; **155:** 1315

MRI pattern of progressive multifocal leukoencephalopathy (PML) in AIDS: pathological correlations, Trotot PM; Vazeux R; Yamashita HK; et al, J Neuroradiol 1990; **17:** 233

MR of reversible thalamic lesions in Wernicke syndrome, Donnal JF; Heinz ER; Burger PC, AJNR 1990; **11:** 893

multifocal central nervous system lesions and retropharyngeal lymphadenopathy on magnetic resonance imaging: an association that suggested progressive multifocal leukoencephalopathy in a patient with acute aphasia, Llewelyn JG; Valentine AR; Bradley C; et al, Br J Radiol 1990; **63:** 897

myelin disorders of childhood: correlation of MR findings and severity of neurological impairment, Dietrich RB; Vining EP; Taira RK; et al, JCAT 1990; **14:** 693

neurodegenerative diseases of childhood: MR and CT evaluation, Mirowitz SA; Sartor K; Prensky AJ; et al, JCAT 1991; **15:** 210

neurosarcoidosis: gadolinium-enhanced MR imaging, Williams DW III; Elster AD; Kramer SI, JCAT 1990; **14:** 704

N-isopropyl-*p*-[^{123}I]iodoamphetamine SPECT in MELAS syndrome: comparison with CT and MR imaging, Satoh M; Ishikawa N; Yoshizawa T; et al, JCAT 1991; **15:** 77

olivopontocerebellar atrophy: MR diagnosis and relationship to multisystem atrophy, Savoiardo M; Strada L; Girotti F; Zimmerman RA; Grisoli M; Testa D; Petrillo R, Radiology 1990; **174:** 693

primary progressive cerebellar ataxia, Bradac GB; Riva A; Mortara P; et al, Neuroradiol 1989; **31:** 16

progressive multifocal leukoencephalopathy in patients with AIDS: appearance on MR images, Mark AS; Atlas SW, Radiology 1989; **173:** 517

respiratory insufficiency following chloral hydrate sedation in two children with Leigh disease (subacute necrotizing encephalomyelopathy), Greenberg SB; Faerber EN, Pediatr Radiol 1990; **20:** 287

serial computed tomography findings in Creutzfeldt-Jakob disease, Schlenska GK; Walter GF, Neuroradiol 1989; **31:** 303

serial imaging of Menkes disease, Ichihashi K; Yano S; Kobayashi S; et al, Neuroradiol 1990; **32:** 56

serial MR studies in Menkes disease, Blaser SI; Berns DH; Ross JS; et al, JCAT 1989; **13:** 113

single-photon emission computed tomography in human immunodeficiency virus encephalopathy: a preliminary report, Masdeu JC; Yudd A; Van Heertum L; et al, J Nucl Med 1991; **32:** 1471

Sturge-Weber syndrome: comparison of MR and CT characteristics, Wasenko JJ; Rosenbloom SA; Duchesneau PM; et al, AJNR 1990; **11:** 131

subacute necrotizing encephalomyelopathy (Leigh disease): CT and MRI appearances, Greenberg SB; Faerber EN; Riviello JJ; et al, Pediatr Radiol 1990; **21:** 5

subacute sclerosing panencephalitis: changes on CT scan during acute relapse, Modi G; Campbell H; Bill P, Neuroradiol 1989; **31:** 433

thalamic hyperdensity: a previously unreported sign of Sandhoff disease, Stalker HP; Han BK, AJNR 1989; **10:** S82

unusual brain MRI findings in a patient with hypomelanosis of Ito, Bhushan V; Gupta RR; Weinreb J; et al, Pediatr Radiol 1989; **20:** 104

unusual findings in Sturge-Weber syndrome, Cersoli M; Campanile S; Campanile A; et al, AJNR 1989; **10:** S85

value of fast gradient-echo MR sequences in the evaluation of brain disease, Steinberg PM; Ross JS; Modic MT; et al, AJNR 1990; **11:** 59

Wernicke encephalopathy: MR findings in five patients, Gallucci M; Bozzao A; Splendiani A; et al, AJNR 1990; **11:** 887

Wernicke encephalopathy: MR findings in five patients, Gallucci M; Bozzao A; Splendiani A; et al, AJR 1990; **155:** 1309

white matter lesions: role of spin density in MR imaging, Geis JR; Hendrick RE; Lee S; Davis KA; Thickman D, Radiology 1989; **170:** 863

Brain, edema

computed tomographic findings in brain swelling, Weisberg LA; Greenberg J; Stazio A, Comput Med Imag Graph 1990; **14:** 263

Dopplersonographic classification of brain edema in infants, Deeg KH; Rupprecht T; Zeilinger G, Pediatr Radiol 1990; **20:** 509

patchy cerebral white matter edema in chronic renal failure, Anlar B; Erzen C; Saatci U, Pediatr Radiol 1989; **19:** 444

reversal of white matter edema in hypertensive encephalopathy, Gibby WA; Stecker MM; Goldberg HI; et al, AJNR 1989; **10:** S78

Brain, effects of drugs on

cerebellar atrophy caused by high-dose cytosine arabinoside: CT and MR findings, Miller L; Link MP; Bologna S; et al, AJR 1989; **152:** 343

cerebral abnormalities in cocaine abusers: demonstration by SPECT perfusion brain scintigraphy. work in progress, Tumeh SS; Nagel JS; English RJ; Moore M; Holman BL, Radiology 1990; **176:** 821

effect of intracarotid injection of iopamidol on local cerebral glucose utilization in rat brain, d'Avella D; Cicciarello R; Albiero F; et al, AJNR 1989; **10:** 797

ischemic brain damage: reduction by sodium-calcium ion channel modulator RS-87476, Kucharczyk J; Mintorovitch J; Moseley ME; Asgari HS; Sevick RJ; Derugin N; Norman D, Radiology 1991; **179:** 221

Merrill C. Sosman lecture: drugs, behavior, and brain chemistry, Wagner HN Jr, AJR 1990; **155:** 925

MR findings in methotrexate-induced CNS abnormalities, Ebner F; Ranner G; Slavc I; et al, AJNR 1989; **10:** 959

transient white matter changes on MR images in children undergoing chemotherapy for acute lymphocytic leukemia: correlation with neuropsychologic deficiencies, Wilson DA; Nitschke R; Bowman ME; Chaffin MJ; Sexauer CL; Prince JR, Radiology 1991; **180:** 205

Brain, effects of irradiation on

animal model of prophylactic cranial irradiation: histologic effects at acute, early and delayed stages, Mildenberger M; Beach TG; McGeer EG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1051

brain damage after treatment for acute lymphoblastic leukemia: a report on 34 patients with special regard to MRI findings, Biti GP; Magrini SM; Villari N; et al, Acta Oncol 1989; **28:** 253

delayed radiation encephalopathy after radiotherapy for nasopharyngeal cancer: a CT study of 45 cases, Hu J-q; Guan Y-h; Zhao L-z; et al, JCAT 1991; **15:** 181

MRI and PET of delayed heavy-ion radiation injury in the rabbit brain, Lo EH; DeLaPaz RL; Frankel KA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 689

radiation injury of the brain, Valk PE; Dillon WP, AJNR 1991; **12:** 45

radiation injury of the brain, Valk PE; Dillon WP, AJR 1991; **156:** 689

reversible oedema and necrosis after irradiation of the brain: diagnostic procedures and clinical manifestations, Watne K; Hager B; Heier M; et al, Acta Oncol 1990; **29:** 891

Brain, enlarged

brain swelling in the asphyxiated term newborn: pathogenesis and outcome, (ab), Lupton BA; Hill A; Roland EH; et al, Radiology 1989; **170:** 903

CT and MR imaging of acute cerebellar ataxia, Shoji H; Hirai S; Ishikawa K; et al, Neuroradiol 1991; **33:** 360

Brain, growth and development

adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T, Radiology 1991; **180:** 229

age-dependent changes in localized proton and phosphorus MR spectroscopy of the brain, van der Knaap MS; van der Grond J; van Rijen PC; Faber JAJ; Valk J; Willemse K, Radiology 1990; **176:** 509

band heterotopias: a newly recognized neuronal migration anomaly, Barkovich AJ; Jackson DE Jr; Boyer RS, Radiology 1989; **171:** 455

cerebellar dimensions in assessment of gestational age in neonates, Co E; Raju TNK; Aldana O, Radiology 1991; **181:** 581

development and aging of brain midline structures: assessment with MR imaging, Hayakawa K; Konishi Y; Matsuda T; Kuriyama M; Konishi K; Yamashita K; Okumura R; Hamanaka D, Radiology 1989; **172:** 171

development of the human cerebellum observed with high-field-strength MR imaging, Stricker T; Martin E; Boesch C, Radiology 1990; **177:** 431

evaluation of craniosynostosis with three-dimensional CT imaging, Parisi M; Mehdizadeh HM; Hunter JC; et al, JCAT 1989; **13:** 1006

mapping of normal brain maturation in infants on phase-sensitive inversion–recovery MR images, Christophe C; Muller MF; Balériaux D; et al, Neuroradiol 1990; **32:** 173

normal brain maturation in MRI, Hayakawa K; Konishi Y; Kuriyama M; et al, Eur J Radiol 1991; **12:** 208

variations in the in vivo P-31 MR spectra of the developing human brain during postnatal life: work in progress, Boesch C; Gruetter R; Martin E; Duc G; Wüthrich K, Radiology 1989; **172:** 197

Brain, hematoma

See Brain, hemorrhage

Brain, hemorrhage

acute hematomas: effects of deoxygenation, hematocrit, and fibrin-clot formation and retraction on T2 shortening, Clark RA; Watanabe AT; Bradley WG Jr; Roberts JD, Radiology 1990; **175:** 201

acute traumatic midbrain hemorrhage: experimental and clinical observations with CT, Meyer CA; Mirvis SE; Wolf AL; Thompson RK; Gutierrez MA, Radiology 1991; **179:** 813

blood pressure increases, birth weight-dependent stability boundary, and intraventricular hemorrhage, (ab), Perry EH; Bada HS; Ray JD; et al, Radiology 1990; **177:** 599

cause of signal loss in MR images of old hemorrhagic lesions, Hardy PA; Kucharczyk W; Henkelman RM, Radiology 1990; **174:** 549

chronic expanding intracerebral hematoma, Weisberg LA; Stazio A; Elliott D, Comput Med Imag Graph 1990; **14:** 61

cocaine abuse: neurovascular complications, Jacobs IG; Roszler MH; Kelly JK; Klein MA; Kling GA, Radiology 1989; **170:** 223

comparison of MR imaging with clinical history in the identification of hemorrhage in patients with cerebral arteriovenous malformations, Yousem DM; Flamm ES; Grossman RI, AJNR 1989; **10:** 1151

contrast-enhanced CT of acute isodense subdural hematoma, Boyko OB; Cooper DF; Grossman CB, AJNR 1991; **12:** 341

CT evidence of intracranial contusion and haematoma in relation to the presence, site and type of skull fracture, MacPherson BCM; MacPherson P; Jennett B, Clin Radiol 1990; **42:** 321

CT patterns of intracranial hemorrhage complicating thrombolytic therapy for acute myocardial infarction, Uglietta JP; O'Connor CM; Boyko OB; Aldrich H; Massey EW; Heinz ER, Radiology 1991; **181:** 555

delayed epidural hematoma, Di Rocco A; Ellis SJ; Landes C, Neuroradiol 1991; **33:** 253

detection of acute intracerebral hemorrhage on MR imaging: ineffectiveness of prolonged interecho interval pulse sequences, Weingarten K; Zimmerman RD; Cahill PT; et al, AJNR 1991; **12:** 475

echogenic ependymal wall in intraventricular hemorrhage: sonographic-pathologic correlation, Gaisie G; Roberts MS; Bouldin TW; et al, Pediatr Radiol 1990; **20:** 297

evaluation of the susceptibility effect on the phase images of a simple gradient echo, Yamada N; Imakita S; Sakuma T; Nishimura Y; Yamada Y; Naito H; Nishimura T; Takamiya M, Radiology 1990; **175:** 561

extracorporeal membrane oxygenation in infants: angiographic and parenchymal evaluation of the brain with MR imaging, Lewin JS; Masaryk TJ; Modic MT; Ross JS; Stork EK; Wiznitzer M, Radiology 1989; **173:** 361

extradural hematoma in neonates, Lam A; Cruz GB; Johnson I, J Ultrasound Med 1991; **10:** 205

fat deposition adjacent to chronic subdural hematoma: CT demonstration, Awwad EE; Dilorio G; Martin DS; et al, JCAT 1990; **14:** 665

fat deposition surrounding intracerebral hemorrhage in a patient suffering from Zieve-syndrome, Hilz M-J; Huk W; Druschky K-F; et al, Neuroradiol 1989; **31:** 102

fetal intracranial hemorrhage and periventricular leukomalacia: complications of twin-twin transfusion, Hurst RW; Abbitt PL, AJNR 1989; **10:** S62

gastro-oesophageal intussusception after Nissen-fundoplication, Post PJM; Robben SGF; Meradji M, Pediatr Radiol 1990; **20:** 297

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; **173:** 653

hemorrhage in intracerebral arteriovenous malformations: angiographic determinants, Marks MP; Lane B; Steinberg GK; Chang PJ, Radiology 1990; **176:** 807

hereditary cerebral hemorrhage with amyloidosis—Dutch type: Tc-99m HM-PAO single photon emission computed tomography, Haan J; van Kroonenburgh MJPG; Algra PR; et al, Neuroradiol 1990; **32:** 142

hypodense bubbles in acute extradural haematomas following venous sinus tear: a CT scan appearance, Chee CP; Habib ZA, Neuroradiol 1991; **33:** 152

intracerebral hemorrhage in carotid-cavernous fistula, Hiramatsu K; Utsumi S; Kyoi K; et al, Neuroradiol 1991; **33:** 67

intracranial aneurysms: interventional neurovascular treatment with detachable balloons—results in 215 cases, Higashida RT; Halbach VV; Dowd CF; Barnwell SL; Hieshima GB, Radiology 1991; **178:** 663

intracranial hemorrhagic lesions: evaluation with spin-echo and gradient-refocused MR imaging at 0.5 and 1.5 T, Seidenwurm D; Meng T-K; Kowalski H; Weinreb JC; Kricheff II, Radiology 1989; **172:** 189

intraventricular hemorrhage in adults: clinical-computed tomographic correlations, Weisberg LA; Elliott D; Shamsnia M, Comput Med Imag Graph 1991; **15:** 43

intraventricular hemorrhage in preterm infants: declining incidence in the 1980s, (ab), Philip AGS; Allan WC; Tito AM; et al, Radiology 1990; **175:** 887

in vivo ^{31}P nuclear magnetic resonance measurement of chronic changes in cerebral metabolites following neonatal intraventricular hemorrhage, (ab), Younkin D; Medoff-Cooper B; Guillet R; et al, Radiology 1989; **171:** 591

mottled MR appearance of a hyperacute intracerebral hemorrhage at 0.5 T, Mascalchi M; Dal Pozzo G, JCAT 1990; **14:** 818

MR appearance of hypertrophic olivary degeneration after contralateral cerebellar hemorrhage, Revel MP; Mann M; Brugieres P; et al, AJNR 1991; **12:** 71

MR characteristics of subdural hematomas and hygromas at 1.5 T, Fobben ES; Grossman RI; Atlas SW; et al, AJNR 1989; **10:** 687

MR demonstration of a unilateral olivary hypertrophy caused by pontine tegmental hematoma, Hirono N; Kameyama M; Kobayashi Y; et al, Neuroradiol 1990; **32:** 340

MR imaging of acute intracranial hemorrhage: findings on sequential spin-echo and gradient-echo images in a dog model, Weingarten K; Zimmerman RD; Deo-Narine V; et al, AJNR 1991; **12:** 457

MR imaging of cerebral hematomas at different field strengths: theory and applications, Brooks RA; Di Chiro G; Patronas N, JCAT 1989; **13:** 194

MR imaging of hyperacute intracranial hemorrhage in the cat, Hayman LA; McArdle CB; Taber KH; et al, AJNR 1989; **10:** 681

MR imaging of intracerebral blood: diversity in the temporal pattern at 0.5 and 1.0 T, Zyed A; Hayman LA; Bryan RN, AJNR 1991; **12:** 469

MR imaging of intracranial hemorrhage in neonates and infants at 2.35 Tesla, Zuerrer M; Martin E; Boltshauser E, Neuroradiol 1991; **33:** 223

neonatal posterior fossa haemorrhage: a difficult ultrasound diagnosis, de Campo M, Australas Radiol 1989; **33:** 150

neurocytoma accompanied by intraventricular hemorrhage: case report and literature review, Smoker WRK; Townsend JJ; Reichman MV, AJNR 1991; **12:** 765

neurodevelopmental performance of very-low-birth-weight infants with mild periventricular, intraventricular hemorrhage: outcome at 5 to 6 years of age, (ab), Lowe J; Papile LA, Radiology 1991; **181:** 295

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

nonacute subdural hematoma: fundamental interpretation of MR images based on biochemical and in vitro MR analysis, Ebisu T; Naruse S; Horikawa Y; Tanaka C; Higuchi T, Radiology 1989; **171:** 449

noncystic "increased" periventricular echogenicity and other mild cranial sonographic abnormalities: predictors of outcome in low birth weight infants, Goldstein RB; Filly RA; Hecht S; et al, JCU 1989; **17:** 553

nontraumatic parietal subcortical hemorrhage: clinical-computed tomographic correlations, Weisberg LA; Stazio A, Comput Med Imag Graph 1989; **13:** 355

nontraumatic temporal subcortical hemorrhage: clinical-computed tomographic analysis, Weisberg LA; Stazio A; Shamsnia M; et al, Neuroradiol 1990; **32:** 137

occult cerebrovascular malformations: follow-up with MR imaging, Sigal R; Krief O; Houtteville JP; Halimi P; Doyon D; Pariente D, Radiology 1990; **176:** 815

pathophysiology of acute intracerebral and subarachnoid hemorrhage: applications to MR imaging, Hayman LA; Pagani JJ; Kirkpatrick JB; et al, AJNR 1989; **10:** 457

pericerebral fluid collections and ultrasound, Veyrac C; Couture A; Baud C, Pediatr Radiol 1990; **20:** 236

periventricular-intraventricular hemorrhage sonographic localization, phenobarbital, and motor abnormalities in low birth weight infants, (ab), Krishnamoorthy KS; Kuban KCK; Leviton A; et al, Radiology 1990; **177:** 895

postoperative contrast enhancement in brain tumors and intracerebral hematomas: CT study, Wakai S; Andoh Y; Ochiai C; et al, JCAT 1990; **14:** 267

prophylactic indomethacin for prevention of intraventricular hemorrhage in premature infants, (ab), Bandstra ES; Montalvo BM; Goldberg RN; et al, Radiology 1989; **171:** 887

putaminal hemorrhage: clinical-computed tomographic correlations, Weisberg LA; Stazio A; Elliott D; et al, Neuroradiol 1990; **32:** 200

role of ferritin and hemosiderin in the MR appearance of cerebral hemorrhage: a histopathologic biochemical study in rats, Thulborn KR; Sorensen AG; Kowall NW; et al, AJNR 1990; **11:** 291

role of ferritin and hemosiderin in the MR appearance of cerebral hemorrhage: a histopathologic biochemical study in rats, Thulborn KR; Sorensen AG; Kowall NW; et al, AJR 1990; **154:** 1053

sanguinary efforts, Grossman RI, Radiology 1989; **172:** 13

significance of haematomas of the basal ganglia in closed head injury, Colquhoun IR; Rawlinson J, Clin Radiol 1989; **40:** 619

sonography of fetal intracranial hemorrhage: unusual causes and a review of the literature, Fogarty K; Cohen HL; Haller JO, JCU 1989; **17:** 366

spontaneous intracerebral hematomas from vascular causes: predictive value of CT compared with angiography, Laissy J-P; Normand G; Monroc M; et al, Neuroradiol 1991; **33:** 291

streaming hypointensity in hemorrhagic glioblastoma multiforme: an illustrative case, Ragland RL; Wagner LD; Huang YP; et al, Neuroradiol 1990; **32:** 241

subcortical cerebral hemorrhages associated with cocaine abuse: CT and MR findings, Nalls G; Disher A; Daryabagi J; et al, JCAT 1989; **13:** 1

subcortical lobar hematomas: clinico-computed tomographic correlations, Iwasaki Y; Kinoshita M, Comput Med Imag Graph 1989; **13:** 195

subdural hematoma in the setting of internal carotid artery occlusion: CT studies, Pascuzzi RM; Boyko OB; Voelker JL, JCAT 1989; **13:** 899

technical note: sonography through the posterior fontanelle in diagnosing neonatal intraventricular hemorrhage, Anderson N; Fulton J, AJNR 1991; **12:** 368

temporal changes in the oxidation state in in vitro blood, Taber KH; Migliore PJ; Pagani JJ; et al, Invest Radiol 1990; **25:** 240

tentorial hemorrhage associated with vacuum extraction, (ab), Hanigan WC; Morgan AM; Stahlberg LK; et al, Radiology 1990; **177:** 295

thalamic hemorrhage in a 4-year-old child induced by nephro-vascular hypertension, Bianchi E; Savasta S; Torcetta F; et al, Pediatr Radiol 1989; **19:** 513

thalamic hemorrhage with intraventricular hemorrhage in the full-term newborn, (ab), Roland EH; Flodmark O; Hill A, Radiology 1990; **177:** 599

traumatic brain stem injury: MR imaging, Gentry LR; Godersky JC; Thompson BH, Radiology 1989; **171:** 177

value of sonography in the diagnosis of intracranial hemorrhage and periventricular leukomalacia: a postmortem study of 35 cases, Carson SC; Hertzberg BS; Bowie JD; et al, AJNR 1990; **11:** 677

value of sonography in the diagnosis of intracranial hemorrhage and periventricular leukomalacia: a postmortem study of 35 cases, Carson SC; Hertzberg BS; Bowie JD; et al, AJR 1990; **155:** 595

Brain, hernia

anatomy-computerized tomography correlations in transtentorial brain herniation, Nguyen JP; Djindjian M; Brugieres P; et al, J Neuroradiol 1989; **16:** 181

basal transsphenoidal encephalocele: MR findings, Rice JF; Eggers DM, AJNR 1989; **10:** 579

brain herniation into the middle ear cavity: MR imaging, Martin N; Sterkers O; Murat M; et al, Neuroradiol 1989; **31:** 184

case report: transalar sphenoidal encephalocele. uncommon clinical and radiological findings, Soyer P; Dobbelaere P; Benoit S, Clin Radiol 1991; **43:** 65

cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521

congenital central nervous system anomalies, Poe LB; Coleman LL; Mahmud F, Radiographics 1989; **9:** 801

contributory aspects of MRI in the evaluation of basal encephaloceles, Poncelet V; Dooms G; Mathurin P; et al, J Neuroradiol 1989; **16:** 214

corpus callosum lipoma with frontal encephalocele, Rao AS; Rao VRK; Mandalam KR; et al, Neuroradiol 1990; **32:** 50

CT signs of ascending transtentorial cerebellar herniation, Hahn FJ; Witte RJ, JCAT 1989; **13:** 1091

encephalocoele involving the petrous bone, Beaumont GD; Sage MR, Neuroradiol 1990; **32:** 533

fetal cephaloceles: diagnosis with US, Goldstein RB; LaPidus AS; Filly RA, Radiology 1991; **180:** 803

herniation of the suprasellar visual system and third ventricle into empty sellae: morphologic and clinical considerations, Kaufman B; Tomsak RL; Kaufman BA; et al, AJNR 1989; **10:** 65

MRI demonstrates descending transtentorial herniation, (ab), Feldman E; Gandy SE; Becker R; et al, Radiology 1989; **170:** 588

prenatal diagnosis of occipital encephalocele with transvaginal sonography, Fleming AD; Vintzileos AM; Scorza WE, J Ultrasound Med 1991; **10:** 285

sequelae of temporal lobe herniation: MR imaging, Wernick S; Wells RG, JCAT 1989; **13:** 323

sphenopharyngeal meningoencephalocele: unusual clinical and radiologic features, Boulanger T; Mathurin P; Dooms G; et al, AJNR 1989; **10:** S80

transalar sphenoidal encephaloceles: clinical and radiologic findings, Elster AD; Branch CL Jr, Radiology 1989; **170:** 245

transalar sphenoidal meningoencephalocele associated with buccal angiomatosis: one case, Soyer P; Dobbelaere P; Reizine D; et al, J Neuroradiol 1990; **17:** 222

Brain, hydrocephalus

abnormal US appearance of the cerebellum (banana sign): indirect sign of spina bifida, Benacerraf BR; Stryker JM; Frigoletto FD Jr, Radiology 1989; **171:** 151

association of deep white matter infarction with chronic communicating hydrocephalus: implications regarding the possible origin of normal-pressure hydrocephalus, Bradley WG Jr; Whittemore AR; Watanabe AS; et al, AJNR 1991; **12:** 31

cerebrospinal fluid shunts: flow measurements with MR imaging, Martin AJ; Drake JM; Lemaire C; Henkelman RM, Radiology 1989; **173:** 243

chronic communicating hydrocephalus and periventricular white matter disease: a debate with regard to cause and effect, George AE, AJNR 1991; **12:** 42

clinical manifestations of hydrocephalus caused by impingement of the corpus callosum on the falx: an MR study in 40 patients, Jinkins JR, AJNR 1991; **12:** 331

computed tomography of the brain in the diagnosis of and prognosis in normal pressure hydrocephalus, Wikkelsö C; Andersson H; Blomstrand C; et al, Neuroradiol 1989; **31:** 160

duplex pulsed Doppler US versus intracranial pressure in the neonate: clinical and experimental studies, Seibert JJ; McCowan TC; Chadduck WM; Adametz JR; Glasier CM; Williamson SL; Taylor BJ; Leithiser RE Jr; McConnell JR; Stansell CA; Rodgers AB; Corbitt SL, Radiology 1989; **171:** 155

false-negative radionuclide cisternography in massive communicating hydrocephalus: value of the vertex view and CT correlation, Kir KM; Krasnow AZ; Isitman AT; et al, Clin Nucl Med 1989; **14:** 819

fast multiphase MR imaging of aqueductal CSF flow: 2. study in patients with hydrocephalus, Mascalchi M; Ciraolo L; Bucciolini M; et al, AJNR 1990; **11:** 597

hydrocephalus and porencephaly: prenatal diagnosis by ultrasonography and MR imaging, Tomá P; Lucigrai G; Ravegnani M; et al, JCAT 1990; **14:** 843

isotope cisternography with indium-111 DTPA in a patient with nearly no intellectual deficits and extensive hydrocephalus, Grünwald F; Schalnus R, Clin Nucl Med 1990; **15:** 352

marked cerebrospinal fluid void: indicator of successful shunt in patients with suspected normal-pressure hydrocephalus, Bradley WG Jr; Whittemore AR; Kortman KE; Watanabe AS; Homyak M; Teresi LM; Davis SJ, Radiology 1991; **178:** 459

mild lateral cerebral ventricular dilatation in utero: clinical significance and prognosis, Goldstein RB; La Pidus AS; Filly RA; Cardoza J, Radiology 1990; **176:** 237

MR of aqueductal stenosis: evidence of a broad spectrum of tectal distortion, Barkovich AJ; Newton TH, AJNR 1989; **10:** 471

occluded fourth ventricle after multiple shunt revisions for hydrocephalus, (ab), Coker SB; Anderson CL, Radiology 1989; **173:** 887

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

perinatal unilateral hydrocephalus: atresia of the foramen of Monro, Gaston BM; Jones BE, Pediatr Radiol 1989; **19:** 328

sonographic detection of hydrolethalus syndrome, Siffring PA; Forrest TS; Frick MP, JCU 1991; **19:** 43

sonographic evaluation of experimental hydrocephalus in kittens, Wolfson BJ; McAllister JP II; Lovely TJ; et al, AJNR 1989; **10:** 1065

spontaneous resolution of fetal hydrocephalus, Dreazen E; Tessler F; Sarti D; et al, J Ultrasound Med 1989; **8:** 155

transcranial sonography through the burr hole for detection of ventriculomegaly: a preliminary report, Slovis TL; Canady A; Touchette A; et al, J Ultrasound Med 1991; **10:** 195

ultrasound of the septum pellucidum: recognition of evolving fenestrations in the hydrocephalic infant, Cohen HL; Haller JO; Pollack A, J Ultrasound Med 1990; **9:** 377

unbiased and efficient estimation of total ventricular volume of the brain obtained from CT-scans by a stereological method, Pakkenberg B; Boesen J; Albeck M; et al, Neuroradiol 1989; **31:** 413

unilateral hydrocephalus: prenatal sonographic diagnosis, Patten RM; Mack LA; Finberg HJ, AJR 1991; **156:** 359

white matter lesions and normal-pressure hydrocephalus: Binswanger disease or Hakim syndrome?, Román GC, AJNR 1991; **12:** 40

Brain, infarction

abnormal signal in deep white-matter infarction, Barnes D, Radiology 1989; **170:** 279

abnormal signal in deep white-matter infarction: reply, Bradley WG Jr; Marshall VG, Radiology 1989; **170:** 280

acute traumatic midbrain hemorrhage: experimental and clinical observations with CT, Meyer CA; Mirvis SE; Wolf AL; Thompson RK; Gutierrez MA, Radiology 1991; **179:** 813

alexia without agraphia: a new case studied by CT-scan, Naranjo IC; Espada JL; Torrella JE; et al, Neuroradiol 1989; **31:** 199

biodistribution, dosimetry, and clinical evaluation of technetium-99m ethyl cysteinate dimer in normal subjects and in patients with chronic cerebral infarction, Holman BL; Hellman RS; Goldsmith SJ; et al, J Nucl Med 1989; **30:** 1018

brain perfusion SPECT in a cerebellar infarction, Moriarty JA; Carvalho PdA; Holman BL, JCAT 1990; **14:** 821

capsular and thalamic infarction caused by tentorial herniation subsequent to head trauma, Endo M; Ichikawa F; Miyasaka Y; et al, Neuroradiol 1991; **33:** 296

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral infarct after aneurysm clipping: complementary role of computed tomography and functional brain scan, Timmons JH; Heironimus JD, Clin Nucl Med 1991; **16:** 367

cerebral infarct in patients with hemorrhagic shock and encephalopathy syndrome, Zureikat GY; Zador I; Aouthmany M; et al, Pediatr Radiol 1990; **20:** 301

cerebral infarction: diagnosis and assessment of prognosis by using ^{123}IMP-SPECT and CT, Hayman LA; Taber KH; Jhingran SG; et al, AJNR 1989; **10:** 557

cerebral infarction: early detection by means of contrast-enhanced cerebral arteries at MR imaging, Sato A; Takahashi S; Soma Y; Ishii K; Kikuchi Y; Watanabe T; Sakamoto K, Radiology 1991; **178:** 433

cerebral infarctions due to CNS infection with *Enterobacter sakazakii*, Gallagher PG; Ball WS, Pediatr Radiol 1991; **21:** 135

cerebrovascular occlusive complications in osteopetrosis major, Wilms G; Casaer P; Alliet P; et al, Neuroradiol 1990; **32:** 511

change of accumulation and filling pattern in evolution of cerebral infarction with I-123 IMP brain SPECT, Hayashida K; Nishimura T; Imakita S; et al, Neuroradiol 1991; **33:** 9

cocaine abuse: neurovascular complications, Jacobs IG; Roszler MH; Kelly JK; Klein MA; Kling GA, Radiology 1989; **170:** 223

coexistence of cerebral infarct and arterovenous malformation demonstrated by Tc-99m HMPAO and Tc-99m RBC SPECT imaging, Gini A; Holmes RA, Clin Nucl Med 1989; **14:** 303

correlation of angiographic and sequential CT findings in patients with evolving cerebral infarction, Bozzao L; Bastianello S; Fantozzi LM; et al, AJNR 1989; **10:** 1215

CT and MR findings in a patient with alien hand sign, Kuhn MJ; Shekar PC; Schuster J; et al, AJNR 1990; **11:** 1162

degree of cervical carotid artery stenosis and hemispheric stroke: duplex US findings, Brown PB; Zwiebel WJ; Call GK, Radiology 1989; **170:** 541

detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J, Radiology 1989; **170:** 545

detection of lacunar infarction in brain CT-scans: no evidence of bias from accompanying patient information, Bonke B; Koudstaal PJ; Dijkstra G; et al, Neuroradiol 1989; **31:** 170

diagnosis of acute cerebral infarction: comparison of CT and MR imaging, Bryan RN; Levy LM; Whitlow WD; et al, AJNR 1991; **12:** 611

diagnosis of acute cerebral infarction: comparison of CT and MR imaging, Bryan RN; Levy LM; Whitlow WD; et al, AJR 1991; **157:** 585

differentiation between cerebral embolism and thrombosis on sequential CT scans, Tomura N; Inugami A; Kanno I; et al, JCAT 1990; **14:** 26

early cerebral infarction: gadopentetate dimeglumine enhancement, Elster AD; Moody DM, Radiology 1990; **177:** 627

early detection of cerebral infarction by ^{31}P spectroscopic imaging, Sasahira M; Uchimura K; Yatsushiro K; et al, Neuroradiol 1990; **32:** 43

"fogging effect" in MR of cerebral infarct, Asato R; Okumura R; Konishi J, JCAT 1991; **15:** 160

high intensity areas on noncontrast T1-weighted MR images in cerebral infarction, Nabatame H; Fujimoto N; Nakamura K; et al, JCAT 1990; **14:** 521

hyperdense middle cerebral artery: incidence and quantitative significance, Tomsick TA; Brott TG; Olinger CP; et al, Neuroradiol 1989; **31:** 312

I-123 HIPDM planar brain images demonstrating crossed cerebellar diaschisis, Shih W-J; Coupal JJ; Magoun S; et al, Clin Nucl Med 1990; **15:** 34

imaging of acute stroke, Bryan RN, Radiology 1990; **177:** 615

ischemic brain damage: reduction by sodium-calcium ion channel modulator RS-87476, Kucharczyk J; Mintorovitch J; Moseley ME; Asgari HS; Sevick RJ; Derugin N; Norman D, Radiology 1991; **179:** 221

language disturbances from mesencephalo-thalamic infarcts: identification of thalamic nuclei by CT-reconstructions, Lazzarino LG; Nicolai A; Valassi F; et al, Neuroradiol 1991; **33:** 300

loss of the insular ribbon: another early CT sign of acute middle cerebral artery infarction, Truwit CL; Barkovich AJ; Gean-Marton A; Hibri N; Norman D, Radiology 1990; **176:** 801

mass effect and atrophy after stroke, Skriver EB; Olsen TS; McNair P, Acta Radiol 1990; **31:** 431

MR evaluation of brain iron in children with cerebral infarction, Cross PA; Atlas SW; Grossman RI, AJNR 1990; **11:** 341

MR imaging of presumed olivary hypertrophy in palatal myoclonus, Zarranz JJ; Fontan A; Forcadas I, AJNR 1990; **11:** 1164

MR imaging of wallerian degeneration in the human brain stem after ictus, Uchino A; Imada H; Ohno M, Neuroradiol 1990; **32:** 191

myxoma of the heart presenting with recurrent episodes of hemorrhagic cerebral infarction: MR findings, Michael AS; Mikhael MA; Christ M, JCAT 1989; **13:** 123

phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; **1:** 47

posttraumatic cerebral infarction diagnosed by CT: prevalence, origin, and outcome, Mirvis SE; Wolf AL; Numaguchi Y; et al, AJNR 1990; **11:** 355

posttraumatic cerebral infarction diagnosed by CT: prevalence, origin, and outcome, Mirvis SE; Wolf AL; Numaguchi Y; et al, AJR 1990; **154:** 1293

^{31}P spectroscopy in thrombolytic treatment of experimental cerebral infarct, Lee BCP; Brock JM; Fan T; et al, AJNR 1989; **10:** 47

radiologic manifestations of focal cerebral hyperemia in acute stroke, Olsen TS; Skriver EB; Herning M, Acta Radiol 1991; **32:** 100

rCBF-SPECT in brain infarction: when does it predict outcome?, Limburg M; van Royen EA; Hijdra A; et al, J Nucl Med 1991; **32:** 382

redistribution of crossed cerebellar diaschisis, Kim SM; Park CH; Intenzo CM; et al, Clin Nucl Med 1989; **14:** 290

repeated computed tomography in lacunar infarcts of the brain, Skriver EB; Olsen TS, Acta Radiol 1989; **30:** 1

role of computed tomography in patients with lacunar stroke in the carotid territory, Kappelle LJ; Ramos LMP; van Gijn J, Neuroradiol 1989; **31:** 316

Sneddon syndrome: CT, arteriography, and MR imaging, Blom RJ, JCAT 1989; **13:** 119

subacute and chronic cerebral infarctions: SPECT and gadolinium-DTPA enhanced MR imaging, Cordes M; Henkes H; Roll D; et al, JCAT 1989; **13:** 567

traumatic brain stem injury: MR imaging, Gentry LR; Godersky JC; Thompson BH, Radiology 1989; **171:** 177

Wallerian degeneration after cerebral infarction: evaluation with sequential MR imaging, Kuhn MJ; Mikulis DJ; Ayoub DM; Kosofsky BE; Davis KR; Taveras JM, Radiology 1989; **172:** 179

watershed infarcts, Tc-99m HMPAO SPECT and CT correlation: case reports, Sullivan T; Villanueva-Meyer J; Liu C-K; et al, Clin Nucl Med 1991; **16:** 170

Brain, infection

asymptomatic and neurologically symptomatic HIV-seropositive individuals: prospective evaluation with cranial MR imaging, Post MJD; Berger JR; Quencer RM, Radiology 1991; **178:** 131

cerebral candidiasis. computed tomography appearance, Chaabane M; Krifa H; Ladeb MF; et al, Pediatr Radiol 1989; **19:** 436

cerebral hydatid cysts: CT findings, Demir K; Karsli AF; Kaya T; et al, Neuroradiol 1991; **33:** 22

cerebral infarctions due to CNS infection with *Enterobacter sakazakii*, Gallagher PG; Ball WS, Pediatr Radiol 1991; **21:** 135

cerebral ultrasound images in prenatal cytomegalovirus infection, Tomà P; Magnano GM; Mezzano P; et al, Neuroradiol 1989; **31:** 278

cerebral ventriculitis: MR findings, Barloon TJ; Yuh WTC; Knepper LE; et al, JCAT 1990; **14:** 272

CT of intracranial cryptococcosis, Popovich MJ; Arthur RH; Helmer E, AJNR 1990; **11:** 139

CT of intracranial cryptococcosis, Popovich MJ; Arthur RH; Helmer E, AJR 1990; **154:** 603

early invasive CNS aspergillosis: an easily missed diagnosis, Shuper A; Levitsky HI; Cornblath DR, Neuroradiol 1991; **33:** 183

encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA, Radiology 1990; **175:** 185

intracranial *aspergillus* granuloma simulating meningioma on MR imaging, Gupta RK; Singh AK; Bishnu P; et al, JCAT 1990; **14:** 467

intracranial cryptococcosis in immunocompromised patients: CT and MR findings in 29 cases, Tien RD; Chu PK; Hesselink JR; et al, AJR 1991; **156:** 1245

intracranial gumma mimicking a tuber cinereum tumor, Wang A-M; Barriger TK; Wesolowski DP, Comput Med Imag Graph 1991; **15:** 57

lenticulostriate vasculopathy in infants with infections of the central nervous system sonographic and Doppler findings, Ben-Ami T; Yousefzadeh DK; Backus M; et al, Pediatr Radiol 1990; **20:** 575

magnetic resonance imaging of the brain in congenital cytomegalovirus infection, Boesch C; Issakainen J; Kewitz G; et al, Pediatr Radiol 1989; **19:** 91

magnetic resonance imaging of the brain in congenital rubella virus and cytomegalovirus infections, Sugita K; Ando M; Makino M; et al, Neuroradiol 1991; **33:** 239

MR features of fleeting CNS lesions associated with Epstein-Barr virus infection, Tolly TL; Wells RG; Sty JR, JCAT 1989; **13:** 665

MR findings in rhinocerebral mucormycosis, Yousem DM; Galetta SL; Gusnard DA; et al, JCAT 1989; **13:** 878

Nocardia infection in patients with liver transplants or chronic liver disease: radiologic findings, Raby N; Forbes G; Williams R, Radiology 1990; **174:** 713

serial MR imaging in Creutzfeldt-Jakob disease, Uchino A; Yoshinaga M; Shiokawa O; et al, Neuroradiol 1991; **33:** 364

thallium-201 accumulation in cerebral candidiasis: unexpected finding on SPECT, Tonami N; Matsuda H; Ooba H; et al, Clin Nucl Med 1990; **15:** 397

tuberculous brain infection located in an old cerebral infarct: CT changes with successful conservative therapy, Shintani S; Kamaki M; Motohashi N; et al, Neuroradiol 1990; **32:** 156

Brain, inflammation

See Encephalitis

Brain, injuries

acute traumatic midbrain hemorrhage: experimental and clinical observations with CT, Meyer CA; Mirvis SE; Wolf AL; Thompson RK; Gutierrez MA, Radiology 1991; **179:** 813

brain damage in former association football players: an evaluation by cerebral computed tomography, Sortland O; Tysvaer AT, Neuroradiol 1989; **31:** 44

capsular and thalamic infarction caused by tentorial herniation subsequent to head trauma, Endo M; Ichikawa F; Miyasaka Y; et al, Neuroradiol 1991; **33:** 296

cerebral abnormalities in cocaine abusers: demonstration by SPECT perfusion brain scintigraphy. work in progress, Tumeh SS; Nagel JS; English RJ; Moore M; Holman BL, Radiology 1990; **176:** 821

cerebral perfusion imaging with technetium-99m HMPAO following cerebral trauma: initial experience, Reid RH; Gulenchyn KY; Ballinger JR; et al, Clin Nucl Med 1990; **15:** 383

CT evidence of intracranial contusion and haematoma in relation to the presence, site and type of skull fracture, MacPherson BCM; MacPherson P; Jennett B, Clin Radiol 1990; **42:** 321

current concepts of brain injury in the premature infant, Volpe JJ, AJR 1989; **153:** 243

facial trauma and associated brain damage, Gentry LR, Radiol Clin North Am 1989; **27:** 435

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; **173:** 653

hypodense bubbles in acute extradural haematomas following venous sinus tear: a CT scan appearance, Chee CP; Habib ZA, Neuroradiol 1991; **33:** 152

MR imaging of the central nervous system in divers, Rinck PA; Svihus R; de Francisco P, JMRI 1991; **1:** 293

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

posttraumatic cerebral infarction diagnosed by CT: prevalence, origin, and outcome, Mirvis SE; Wolf AL; Numaguchi Y; et al, AJR 1990; **154:** 1293

prognostic significance of the third ventricle and basal cisterns in severe closed head injury, Colquhoun IR; Burrows EH, Clin Radiol 1989; **40:** 13

traumatic brain stem injury: MR imaging, Gentry LR; Godersky JC; Thompson BH, Radiology 1989; **171:** 177

volumes of chronic traumatic frontal brain lesions measured by MR imaging and CBF tomography, (ab), Maeder P; Wirsén A; Bajc M; et al, Acta Radiol 1991; **32:** 271

Brain, ischemia

acute cerebral ischemia in rabbits: correlation between MR and histopathology, DeLaPaz RL; Shibata D; Steinberg GK; et al, AJNR 1991; **12:** 89

answer to case of the month #7: appearance of "reversal sign" in computed tomographyscans as an indicator of changes in the brain caused by anoxia and ischemia, Assaf A; O'Gorman AM, J Canad Assoc Radiol 1991; **42:** 223

antiphospholipid antibodies and stroke, DeWitt LD; Caplan LR, AJNR 1991; **12:** 454

autoradiographic analysis of iodoamphetamine redistribution in experimental brain ischemia, Matsuda H; Tsuji S; Oba H; et al, J Nucl Med 1990; **31:** 660

cerebral blood volume in a rat model of ischemia by MR imaging at 4.7 T, Kent TA; Quast MJ; Kaplan BJ; et al, AJNR 1989; **10:** 335

cerebral infarction: early detection by means of contrast-enhanced cerebral arteries at MR imaging, Sato A; Takahashi S; Soma Y; Ishii K; Kikuchi Y; Watanabe T; Sakamoto K, Radiology 1991; **178:** 433

cerebral ischemia: evaluation with contrast-enhanced MR imaging, Crain MR; Yuh WTC; Greene GM; et al, AJNR 1991; **12:** 631

cerebral ischemia: evaluation with contrast-enhanced MR imaging, Crain MR; Yuh WTC; Greene GM; et al, AJR 1991; **157:** 575

cerebral metabolism in man after acute stroke: new observations using localized proton NMR spectroscopy, Bruhn H; Frahm J; Gyngell ML; et al, Magn Res Med 1989; **9:** 126

cerebral metabolite dynamics during temporary complete ischemia in rats monitored by time-shared ^{1}H nd ^{31}P NMR spectroscopy, Chang L-H; Shirane R; Weinstein PR; et al, Magn Res Med 1990; **13:** 6

detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J, Radiology 1989; **170:** 545

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; **1:** 285

diffusion/perfusion MR imaging of acute cerebral ischemia, Kucharczyk J; Mintorovitch J; Asgari HS; et al, Magn Res Med 1991; **19:** 311

diffusion-weighted MR imaging of acute stroke: correlation with T2-weighted and magnetic susceptibility-enhanced MR imaging in cats, Moseley ME; Kucharczyk J; Mintorovitch J; et al, AJNR 1990; **11:** 423

duplex pulsed Doppler US versus intracranial pressure in the neonate: clinical and experimental studies, Seibert JJ; McCowan TC; Chadduck WM; Adametz JR; Glasier CM; Williamson SL; Taylor BJ; Leithiser RE Jr; McConnell JR; Stansell CA; Rodgers AB; Corbitt SL, Radiology 1989; **171:** 155

early cerebral infarction: gadopentetate dimeglumine enhancement, Elster AD; Moody DM, Radiology 1990; **177:** 627

early detection of regional cerebral ischemia in cats: comparison of diffusion- and T2-weighted MRI and spectroscopy, Moseley ME; Cohen Y; Mintorovitch J; et al, Magn Res Med 1990; **14:** 330

experimental cerebral ischemia studied using nuclear magnetic resonance imaging and spectroscopy, Sutherland G; Peeling J; Lesiuk H; et al, J Canad Assoc Radiol 1990; **41:** 24

extended use of cranial CT in the evaluation of patients with stroke and transient ischaemic attacks, Stevens JM; Barber CJ; Kerslake R; et al, Neuroradiol 1991; **33:** 200

filling out phenomenon with technetium-99m HM-PAO brain SPECT at the site of mild cerebral ischemia, Hayashida K; Nishimura T; Imakita S; et al, J Nucl Med 1989; **30:** 591

hyperdense middle cerebral artery CT sign: comparison with angiography in the acute phase of ischemic supratentorial infarction, Bastianello S; Pierallini A; Colonnese C; et al, Neuroradiol 1991; **33:** 207

hyperglycemia augments ischemic brain injury: in vivo MR imaging/spectroscopic study with nicardipine in cats with occluded middle cerebral arteries, Chew W; Kucharczyk J; Moseley M; et al, AJNR 1991; **12:** 603

imaging of acute stroke, Bryan RN, Radiology 1990; **177:** 615

intravenous digital subtraction angiography in patients with cerebral ischaemia: evaluation of extracranial carotid lesions, Mantoni M; Neergaard K, Eur J Radiol 1989; **9:** 221

ischemic brain damage: reduction by sodium-calcium ion channel modulator RS-87476, Kucharczyk J; Mintorovitch J; Moseley ME; Asgari HS; Sevick RJ; Derugin N; Norman D, Radiology 1991; **179:** 221

magnetic resonance imaging in ischaemic accidents of the brain stem, Durif F; Hommel M; Bennani W; et al, J Neuroradiol 1989; **16:** 25

MR imaging of cerebral ischemia: findings in the first 24 hours, Yuh WTC; Crain MR; Loes DJ; et al, AJNR 1991; **12:** 621

MR imaging of cerebral ischemia: findings in the first 24 hours, Yuh WTC; Crain MR; Loes DJ; et al, AJR 1991; **157:** 565

MRS of ischemic/hypoxic brain disease, Kucharczyk J; Moseley M; Kurhanewicz J; et al, Invest Radiol 1989; **24:** 951

noninvasive evaluation of the extracranial carotid arteries in patients with cerebrovascular events and atrial fibrillations, (ab), Weinberger J; Rothlauf E; Materese E; et al, Radiology 1989; **170:** 902

oropharynx in patients with cerebrovascular disease: evaluation with videofluoroscopy, Chen MYM; Ott DJ; Peele VN; Gelfand DW, Radiology 1990; **176:** 641

pathophysiology of "reverse" edema in global cerebral ischemia, Bird CR; Drayer BP; Gilles FH, AJNR 1989; **10:** 95

recent advances in MR imaging/spectroscopy of cerebral ischemia, Baker LL; Kucharczyk J; Sevick RJ; et al, AJR 1991; **156:** 1133

recurrent strokes produced by bilateral high intraforaminal entering of vertebral arteries, Leonardi M; Michelucci R; Zanotti B; et al, J Neuroradiol 1990; **17:** 212

redistribution of crossed cerebellar diaschisis, Kim SM; Park CH; Intenzo CM; et al, Clin Nucl Med 1989; **14:** 290

reversal sign on CT: effect of anoxic/ischemic cerebral injury in children, Han BK; Towbin RB; De Courten-Myers G; et al, AJNR 1989; **10:** 1191

reversal sign on CT: effect of anoxic/ischemic cerebral injury in children, Han BK; Towbin RB; De Courten-Myers G; et al, AJR 1990; **154:** 361

role of fast data acquisition method with Tc-99m HMPAO brain SPECT in patients with acute stroke, Oshima M; Tadokoro M; Makino N; et al, Clin Nucl Med 1990; **15:** 172

serial proton magnetic resonance spectroscopy of ischemic brain injury in humans, Fenstermacher MJ; Narayana PA, Invest Radiol 1990; **25:** 1034

SPECT quantification of cerebral ischemia before and after carotid endarterectomy, Maurer AH; Siegel JA; Comerota AJ; et al, J Nucl Med 1990; **31:** 1412

xenon-CT cerebral blood flow evaluation of cerebral ischemia in children and young adults, Stringer WA; Hasso AN; Thompson JR; et al, JCAT 1989; **13:** 386

Brain, MR

3D surface rendered MR images of the brain and its vasculature, Cline HE; Lorensen WE; Souza SP; et al, JCAT 1991; **15:** 344

abnormalities of the brain in nonketotic hyperglycinemia: MR manifestations, Press GA; Barshop BA; Haas RH; et al, AJNR 1989; **10:** 315

abnormal signal in deep white-matter infarction, Barnes D, Radiology 1989; **170:** 279

abnormal signal in deep white-matter infarction: reply, Bradley WG Jr; Marshall VG, Radiology 1989; **170:** 280

about the training seminar on nervous system imaging, Salamon G; Cronqvist S, J Neuroradiol 1991; **18:** 77

acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN, Radiographics 1990; **10:** 201

acquired immunodeficiency syndrome: magnetic resonance patterns of brain involvement with pathologic correlation, (ab), Javrik JG; Hesselink JR; Kennedy C; et al, Radiology 1989; **171:** 294

acute hematomas: effects of deoxygenation, hematocrit, and fibrin-clot formation and retraction on T2 shortening, Clark RA; Watanabe AT; Bradley WG Jr; Roberts JD, Radiology 1990; **175:** 201

adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T, Radiology 1991; **180:** 229

age-dependent changes in localized proton and phosphorus MR spectroscopy of the brain, van der Knaap MS; van der Grond J; van Rijen PC; Faber JAJ; Valk J; Willemse K, Radiology 1990; **176:** 509

agenesis of the corpus callosum and colloid cyst of the third ventricle: magnetic resonance imaging of an unusual association, del Carpio-O'Donovan R; Cardinal E, J Canad Assoc Radiol 1990; **41:** 375

Aicardi syndrome: MR assessment of brain structure and myelination, Hall-Craggs MA; Harbord MG; Finn JP; et al, AJNR 1990; **11:** 532

AIDS dementia complex: brain high-energy phosphate metabolite deficits, Bottomley PA; Hardy CJ; Cousins JP; Armstrong M; Wagle WA, Radiology 1990; **176:** 407

Alexander's disease: cranial MRI and ultrasound findings, Schuster V; Horwitz AE; Kreth HW, Pediatr Radiol 1991; **21:** 133

Alzheimer disease: measuring loss of cerebral gray matter with MR imaging, Rusinek H; de Leon MJ; George AE; Stylopoulos LA; Chandra R; Smith G; Rand T; Mourino MR; Kowalski H, Radiology 1991; **178:** 109

analysis of brain and cerebrospinal fluid volumes with MR imaging: part I. methods, reliability, and validation, Kohn MI; Tanna NK; Herman GT; Resnick SM; Mozley PD; Gur RE; Alavi A; Zimmerman RA; Gur RC, Radiology 1991; **178:** 115

analysis of brain and cerebrospinal fluid volumes with MR imaging: impact on PET data correction for atrophy: part II. aging and Alzheimer dementia, Tanna NK; Kohn MI; Horwich DN; Jolles PR; Zimmerman RA; Alves WM; Alavi A, Radiology 1991; **178:** 123

anatomical study of the temporal lobe: correlations with nuclear magnetic resonance, Sedat J; Duvernoy H, J Neuroradiol 1990; **17:** 26

anatomic localization of cerebral cortical function by magnetoencephalography combined with MR imaging and CT, Orrison WW; Davis LE; Sullivan GW; et al, AJNR 1990; **11:** 713

Anderson-Fabry disease: a case report with MR, CT, and cerebral angiography, Moumdjian R; Tampieri D; Melanson D; et al, AJNR 1989; **10:** S69

anisotropic diffusion in human white matter: demonstration with MR techniques in vivo, Chenevert TL; Brunberg JA; Pipe JG, Radiology 1990; **177:** 401

anterior temporal lobes and hippocampal formations: normative volumetric measurements from MR images in young adults, Jack CR Jr; Twomey CK; Zinsmeister AR; Sharbrough FW; Petersen RC; Cascino GD, Radiology 1989; **172:** 549

application of interlaced orientation slices in orthogonal planes for system characterization and as a basis for standardized brain sections in multiple-oblique positions, Boesch C; Martin E, Magn Res Med 1990; **15:** 357

assessment of brain death in children by means of P-31 MR spectroscopy: preliminary note: work in progress, Kato T; Tokumaru A; O'uchi T; Mikami I; Umeda M; Nose K; Eguchi T; Hasegawa M; Okuyama K, Radiology 1991; **179:** 95

assessment of demyelination, edema, and gliosis by *in vivo* determination of T1 and T2 in the brain of patients with acute attack of multiple sclerosis, Larsson HBW; Frederiksen JL; Petersen J; et al, Magn Res Med 1989; **11:** 337

assessment of phase and amplitude effects due to susceptibilty variations in MR imaging of the brain, Young IR; Bydder GM; Khenia S; et al, JCAT 1989; **13:** 490

asymptomatic and neurologically symptomatic HIV-seropositive individuals: prospective evaluation with cranial MR imaging, Post MJD; Berger JR; Quencer RM, Radiology 1991; **178:** 131

atypical CT and MR appearance of a Rathke cleft cyst, Mize W; Ball WS Jr; Towbin RB; et al, AJNR 1989; **10:** S83

auditory dysfunction caused by multiple sclerosis: detection with MR imaging, Curé JK; Cromwell LD; Case JL; et al, AJNR 1990; **11:** 817

axial vs sagittal T2-weighted brain MR images in the evaluation of multiple sclerosis, Wilms G; Marchal G; Kersschot E; et al, JCAT 1991; **15:** 359

band heterotopias: a newly recognized neuronal migration anomaly, Barkovich AJ; Jackson DE Jr; Boyer RS, Radiology 1989; **171:** 455

basal ganglia: significance of signal hypointensity on T2-weighted MR images, Drayer BP, Radiology 1989; **173:** 311

basal transsphenoidal encephalocele: MR findings, Rice JF; Eggers DM, AJNR 1989; **10:** S79

brain and cerebrospinal fluid volume: measurement with MR imaging, Jack CR Jr, Radiology 1991; **178:** 22

brain CT and MR findings in hyperphenylalaninemia due to dihydropteridine reductase deficiency (variant of phenylketonuria), Sugita R; Takahashi S; Ishii K; et al, JCAT 1990; **14:** 699

brain damage after treatment for acute lymphoblastic leukemia: a report on 34 patients with special regard to MRI findings, Biti GP; Magrini SM; Villari N; et al, Acta Oncol 1989; **28:** 253

brain damage from perinatal asphyxia: correlation of MR findings with gestational age, Barkovich AJ; Truwit CL, AJNR 1990; **11:** 1087

brain herniation into the middle ear cavity: MR imaging, Martin N; Sterkers O; Murat M; et al, Neuroradiol 1989; **31:** 184

brain in eclampsia: MR imaging with clinical correlation, Sanders TG; Clayman DA; Sanchez-Ramos L; Vines FS; Russo L, Radiology 1991; **180:** 475

brain in healthy aged individuals: MR imaging, Wahlund L-O; Agartz I; Almqvist O; Basun H; Forssell L; Sääf J; Wetterberg L, Radiology 1990; **174:** 675

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

brain MR imaging in children with developmental retardation of unknown cause: results in 76 cases, Kjos BO; Umansky R; Barkovich AJ, AJNR 1990; **11:** 1035

brain MR in patients with Langerhans cell histiocytosis: findings and enhancement with Gd-DTPA, Rosenfield NS; Abrahams J; Komp D, Pediatr Radiol 1990; **20:** 433

brain surface cortical sulcal lengths: quantification with three-dimensional MR imaging, Vannier MW; Brunsden BS; Hildebolt CF; Falk D; Cheverud JM; Figiel GS; Perman WH; Kohn LA; Robb RA; Yoffie RL; Bresina SJ, Radiology 1991; **180:** 479

Canavan disease: CT and MR imaging of the brain, Brismar J; Brismar G; Gascon G; et al, AJNR 1990; **11:** 805

carbon monoxide poisoning: bilateral lesions in the thalamus on MR imaging of the brain, Tuchman RF; Moser FG; Moshé SL, Pediatr Radiol 1990; **20:** 478

case report: Moyamoya disease—imaging with magnetic resonance, Brady AP; Stack JP; Ennis JT, Clin Radiol 1990; **42:** 138

cause of signal loss in MR images of old hemorrhagic lesions, Hardy PA; Kucharczyk W; Henkelman RM, Radiology 1990; **174:** 549

cavernous sinus: correlation between anatomic and dynamic gadolinium-enhanced MR imaging findings, Korogi Y; Takahashi M; Sakamoto Y; Shinzato J, Radiology 1991; **180:** 235

central pontine myelinolysis with clinical recovery: MR documentation, Ragland RL; Duffis AW; Gendelman S; et al, JCAT 1989; **13:** 316

central sulcus patterns at MRI, Missir O; Dutheil-Desclercs C; Meder JF; et al, J Neuroradiol 1989; **16:** 133

cerebellorubral degeneration after resection of cerebellar dentate nucleus neoplasms: evaluation with MR imaging, Bontozoglou NP; Chakeres DW; Martin GF; Brogan MA; McGhee RB, Radiology 1991; **180:** 223

cerebellum: 3. anatomic-MR correlation in the coronal plane, Press GA; Murakami JW; Courchesne E; et al, AJNR 1990; **11:** 41

cerebellum: 3. anatomic-MR correlation in the coronal plane, Press GA; Murakami JW; Courchesne E; et al, AJR 1990; **154:** 593

cerebellum in sagittal plane—anatomic-MR correlation: 1. the vermis, Courchesne E; Press GA; Murakami J; et al, AJNR 1989; **10:** 659

cerebellum in sagittal plane—anatomic-MR correlation: 2. the cerebellar hemispheres, Press GA; Murakami JW; Courchesne E; et al, AJNR 1989; **10:** 667

cerebral asymmetry: MR planimetry of the human planum temporale, Steinmetz H; Rademacher J; Huang Y; et al, JCAT 1989; **13:** 996

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral cortical localization: application and validation of the proportional grid system in MR imaging, Steinmetz H; Fürst G; Freund H-J, JCAT 1989; **13:** 10

cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Tien RD; Brasch RC; Jackson DE; Dillon WP, Radiology 1989; **172:** 791

cerebral glucose is detectable by localized proton NMR spectroscopy in normal rat brain *in vivo*, Gyngell ML; Michaelis T; Hörstermann D; et al, Magn Res Med 1991; **19:** 489

cerebral infarction: early detection by means of contrast-enhanced cerebral arteries at MR imaging, Sato A; Takahashi S; Soma Y; Ishii K; Kikuchi Y; Watanabe T; Sakamoto K, Radiology 1991; **178:** 433

cerebral ischemia: evaluation with contrast-enhanced MR imaging, Crain MR; Yuh WTC; Greene GM; et al, AJNR 1991; **12:** 631

cerebral ischemia: evaluation with contrast-enhanced MR imaging, Crain MR; Yuh WTC; Greene GM; et al, AJR 1991; **157:** 575

cerebral metabolism in man after acute stroke: new observations using localized proton NMR spectroscopy, Bruhn H; Frahm J; Gyngell ML; et al, Magn Res Med 1989; **9:** 126

cerebral metabolite dynamics during temporary complete ischemia in rats monitored by time-shared ^{1}H nd ^{31}P NMR spectroscopy, Chang L-H; Shirane R; Weinstein PR; et al, Magn Res Med 1990; **13:** 6

cerebral MR of Menkes kinky-hair disease, Faerber EN; Grover WD; DeFilipp GJ; et al, AJNR 1989; **10:** 190

cerebral tuberous sclerosis: MR imaging, Nixon JR; Houser OW; Gomez MR; Okazaki H, Radiology 1989; **170:** 869

cerebral vascular malformations: applications of magnetic resonance imaging to differential diagnosis, Imakita S; Nishimura T; Yamada N; et al, Neuroradiol 1989; **31:** 320

cerebral venous angiomas: MR imaging at 1.5 Tesla, Wilms G; Marchal G; Van Hecke P; et al, Neuroradiol 1990; **32:** 81

cerebral ventriculitis: MR findings, Barloon TJ; Yuh WTC; Knepper LE; et al, JCAT 1990; **14:** 272

chemical shift imaging of human brain: axial, sagittal, and coronal P-31 metabolite images, Vigneron DB; Nelson SJ; Murphy-Boesch J; Kelley DAC; Kessler HB; Brown TR; Taylor JS, Radiology 1990; **177:** 643

cholesterol of myelin is the determinant of gray-white contrast in MRI of brain, Koenig SH, Magn Res Med 1991; **20:** 285

clinical comparison of three-dimensional MP-RAGE and FLASH techniques for MR imaging of the head, Runge VM; Kirsch JE; Thomas GS; Mugler JP III, JMRI 1991; **1:** 493

clinical experience with routine Gd-DTPA administration for MR imaging of the brain, Schwaighofer BW; Klein MV; Wesbey G; et al, JCAT 1990; **14:** 11

clinical manifestations of hydrocephalus caused by impingement of the corpus callosum on the falx: an MR study in 40 patients, Jinkins JR, AJNR 1991; **12:** 331

clinical MRS studies of the brain, Hubesch B; Marinier DS; Hetherington HP; et al, Invest Radiol 1989; **24:** 1039

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

clinical utility of partial flip angle T2-weighted spin-echo imaging of the brain, Chang KH; Yi JG; Han MH; et al, Neuroradiol 1990; **32:** 255

colloid cysts of the third ventricle: correlation of MR and CT findings with histology and chemical analysis, Maeder PP; Holtås SL; Basibüyük LN; et al, AJNR 1990; **11:** 575

colloid cysts of the third ventricle: MR findings, Wilms G; Marchal G; Van Hecke P; et al, JCAT 1990; **14:** 527

comparative study of magnetic resonance imaging and computed tomography in the evaluation of migraine, Kuhn MJ; Shekar PC, Comput Med Imag Graph 1990; **14:** 149

comparison of CT, low-field-strength MR imaging, and high-field-strength MR imaging: work in progress, Orrison WW Jr; Stimac GK; Stevens EA; LaMasters DL; Espinosa MC; Cobb L; Mettler FA Jr, Radiology 1991; **181:** 121

comparison of CT, MR, and PET in Alzheimer's dementia and normal aging, Fazekas F; Alavi A; Chawluk JB; et al, J Nucl Med 1989; **30:** 1607

comparison of extensive brain calcification in postoperative hypoparathyroidism on CT and NMR scan, Lang C; Huk W; Pichl J, Neuroradiol 1989; **31:** 29

comparison of MR imaging with clinical history in the identification of hemorrhage in patients with cerebral arteriovenous malformations, Yousem DM; Flamm ES; Grossman RI, AJNR 1989; **10:** 1151

computed tomography and magnetic resonance imaging in adult-onset leukodystrophy, (ab), Schwankhaus JD; Patronas N; Dorwart R; et al, Radiology 1989; **171:** 591

computed tomography and magnetic resonance imaging of the skull and brain, Deck MDF, Clin Imag 1989; **13:** 95

computed tomography (CT) and magnetic resonance (MR) imaging of heterotopic gray matter presenting with late-onset seizures, Mineura K; Fushimi S; Sugawara T; et al, Comput Med Imag Graph 1990; **14:** 217

computed tomography versus magnetic resonance imaging of the brain: a collaborative interinstitutional study, Deck MDF; Henschke C; Lee BCP; et al, Clin Imag 1989; **13:** 2

computer-assisted superimposition of magnetic resonance and high-resolution technetium-99m-HMPAO and thallium-201 SPECT images of the brain, Holman BL; Zimmerman RE; Johnson KA; et al, J Nucl Med 1991; **32:** 1478

computerized brain atlas: construction, anatomical content, and some applications, Greitz T; Bohm C; Holte S; et al, JCAT 1991; **15:** 26

computerized volume measurement of brain structure, Ashtari M; Zito JL; Gold BI; et al, Invest Radiol 1990; **25:** 798

contribution of MRI to the diagnosis of cerebral lesions of adrenoleukodystrophy, Pasco A; Kalifa G; Sarrazin JL; et al, Pediatr Radiol 1991; **21:** 161

contributory aspects of MRI in the evaluation of basal encephaloceles, Poncelet V; Dooms G; Mathurin P; et al, J Neuroradiol 1989; **16:** 214

correction of PET data for partial volume effects in human cerebral cortex by MR imaging, Meltzer CC; Leal JP; Mayberg HS; et al, JCAT 1990; **14:** 561

correlation of phosphorus-31 magnetic resonance spectroscopy and morphologic findings in Alzheimer's disease, (ab), Pettegrew JW; Panchalingam K; Moossy J; et al, Radiology 1989; **171:** 886

cough/laugh syndrome: MR evaluation, Reeder JD; Wolf J; Andelman S; et al, AJNR 1990; **11:** 1022

cranial MRI in Wilson's disease, Prayer L; Wimberger D; Kramer J; et al, Neuroradiol 1990; **32:** 211

cranial MR imaging in rhizomelic chondrodysplasia punctata, Williams DW III; Elster AD; Cox TD, AJNR 1991; **12:** 363

cranial MR imaging with Gd-DTPA in neonates and young infants: preliminary experience, Elster AD, Radiology 1990; **176:** 225

cranial MR in phenylketonuria, Shaw DWW; Weinberger E; Maravilla KR, JCAT 1990; **14:** 458

cranial postoperative site: assessment with contrast-enhanced MR imaging, Elster AD; DiPersio DA, Radiology 1990; **174:** 93

craniospinal enterogenous cyst: MR findings, Kak VK; Gupta RK; Sharma BS; et al, JCAT 1990; **14:** 470

CT and MR evaluation of migrational disorders of the brain: part I. lissencephaly and pachygyria, Byrd SE; Osborn RE; Bohan TP; et al, Pediatr Radiol 1989; **19:** 151

CT and MR evaluation of migrational disorders of the brain: part II. schizencephaly, heterotopia and polymicrogyria, Byrd SE; Osborn RE; Bohan TP; et al, Pediatr Radiol 1989; **19:** 219

CT and MR findings in a patient with alien hand sign, Kuhn MJ; Shekar PC; Schuster J; et al, AJNR 1990; **11:** 1162

CT and MR imaging of acute cerebellar ataxia, Shoji H; Hirai S; Ishikawa K; et al, Neuroradiol 1991; **33:** 360

CT and MR imaging of CNS lymphomatoid granulomatosis, Kerslake RW; Rowe D; Worthington BS, Neuroradiol 1991; **33:** 269

CT and MR studies of methylmalonic acidemia, Andreula CF; De Blasi R; Carella A, AJNR 1991; **12:** 410

cysticercosis mimicking brain neoplasms: MR and CT appearance, Michael AS; Levy JM; Paige ML, JCAT 1990; **14:** 708

deep gray matter hypointensity patterns with aging in healthy adults: MR imaging at 1.5 T, Milton WJ; Atlas SW; Lexa FJ; Mozley PD; Gur RE, Radiology 1991; **181:** 715

design of a $^{13}C[^{1}H]$ RF probe for monitoring the *in vivo* metabolism of [1-^{13}C]glucose in primate brain, Hammer BE; Sacks W; Bigler RE; et al, Magn Res Med 1990; **13:** 1

detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J, Radiology 1989; **170:** 545

detection of acute intracerebral hemorrhage on MR imaging: ineffectiveness of prolonged interecho interval pulse sequences, Weingarten K; Zimmerman RD; Cahill PT; et al, AJNR 1991; **12:** 475

detection of significant extracranial carotid stenosis with routine cerebral MR imaging, Russell EJ, Radiology 1989; **170:** 623

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; **1:** 285

development and aging of brain midline structures: assessment with MR imaging, Hayakawa K; Konishi Y; Matsuda T; Kuriyama M; Konishi K; Yamashita K; Okumura R; Hamanaka D, Radiology 1989; **172:** 171

development of the human cerebellum observed with high-field-strength MR imaging, Stricker T; Martin E; Boesch C, Radiology 1990; **177:** 431

diagnosis of acute cerebral infarction: comparison of CT and MR imaging, Bryan RN; Levy LM; Whitlow WD; et al, AJNR 1991; **12:** 611

diagnosis of acute cerebral infarction: comparison of CT and MR imaging, Bryan RN; Levy LM; Whitlow WD; et al, AJR 1991; **157:** 585

diagnosis of ruptured intracranial dermoid cyst: value of MR over CT, Smith AS; Benson JE; Blaser SI; et al, AJR 1991; **156:** 807

differentiation of experimental white matter lesions using multiparametric magnetic resonance measurements, Zamaroczy D; Schluesener HJ; Jolesz FA; et al, Invest Radiol 1991; **26:** 317

diffusion/perfusion MR imaging of acute cerebral ischemia, Kucharczyk J; Mintorovitch J; Asgari HS; et al, Magn Res Med 1991; **19:** 311

diffusion/perfusion MR imaging of the brain: from structure to function, Le Bihan D, Radiology 1990; **177:** 328

diffusion-weighted MR imaging of acute stroke: correlation with T2-weighted and magnetic susceptibility-enhanced MR imaging in cats, Moseley ME; Kucharczyk J; Mintorovitch J; et al, AJNR 1990; **11:** 423

diffusion-weighted MR imaging of anisotropic water diffusion in cat central nervous system, Moseley ME; Cohen Y; Kucharczyk J; Mintorovitch J; Asgari HS; Wendland MF; Tsuruda J; Norman D, Radiology 1990; **176:** 439

diffusion-weighted MR imaging of the brain: value of differentiating between extraaxial cysts and epidermoid tumors, Tsuruda JS; Chew WM; Moseley ME; et al, AJNR 1990; **11:** 925

diffusion-weighted MR imaging of the brain: value of differentiating between extraaxial cysts and epidermoid tumors, Tsuruda JS; Chew WM; Moseley ME; et al, AJR 1990; **155:** 1059

double-quantum surface-coil NMR studies of sodium and potassium in the rat brain, Lyon RC; Pekar J; Moonen CTW; et al, Magn Res Med 1991; **18:** 80

dural sinus occlusion: evaluation with phase-sensitive gradient-echo MR imaging, Tsuruda JS; Shimakawa A; Pelc NJ; et al, AJNR 1991; **12:** 481

dural sinus occlusion: evaluation with phase-sensitive gradient-echo MR imaging, Tsuruda JS; Shimakawa A; Pelc NJ; et al, AJR 1991; **157:** 139

early cerebral infarction: gadopentetate dimeglumine enhancement, Elster AD; Moody DM, Radiology 1990; **177:** 627

early detection of cerebral infarction by ^{31}P spectroscopic imaging, Sasahira M; Uchimura K; Yatsushiro K; et al, Neuroradiol 1990; **32:** 43

early detection of perfusion deficits caused by regional cerebral ischemia in cats: T2-weighted magnetic susceptibility MRI using a nonionic dysprosium contrast agent, Rocklage SM; Moseley ME; Kucharczyk J; et al, Invest Radiol 1990; **25:** S37

early detection of regional cerebral ischemia in cats: comparison of diffusion- and T2-weighted MRI and spectroscopy, Moseley ME; Cohen Y; Mintorovitch J; et al, Magn Res Med 1990; **14:** 330

echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407

EEG scalp electrode projection onto three-dimensional surface rendered images of the brain, Jack CR Jr; Marsh WR; Hirschorn KA; Sharbrough FW; Cascino GD; Karwoski RA; Robb RA, Radiology 1990; **176:** 413

effect of clot formation and retraction on spin-echo MR images of blood: an in vitro study, Hayman LA; Taber KH; Ford JJ; et al, AJNR 1989; **10:** 1155

encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA, Radiology 1990; **175:** 185

encephalopathy in AIDS patients: evaluation with MR imaging, Flowers CH; Mafee MF; Crowell R; et al, AJNR 1990; **11:** 1235

epileptogenic cerebral vascular malformations and MRI, Trussart V; Berry I; Manelfe C; et al, J Neuroradiol 1989; **16:** 273

evaluation of biexponential relaxation behaviour in the human brain by magnetic resonance imaging, Kjaer L; Thomsen C; Henriksen O, Acta Radiol 1989; **30:** 433

evaluation of elastic matching system for anatomic (CT, MR) and functional (PET) cerebral images, Dann R; Hoford J; Kovačič S; et al, JCAT 1989; **13:** 603

extensive cystic leucomalacia: correlation of cranial ultrasound, magnetic resonance imaging and clinical findings in sequential studies, de Vries LS; Dubowitz LMS; Pennock JM; et al, Clin Radiol 1989; **40:** 158

extracorporeal membrane oxygenation in infants: angiographic and parenchymal evaluation of the brain with MR imaging, Lewin JS; Masaryk TJ; Modic MT; Ross JS; Stork EK; Wiznitzer M, Radiology 1989; **173:** 361

fast imaging, Hesselink JR; Martin JF; Edelman RR, Neuroradiol 1990; **32:** 348

fast time-of-flight MR angiography with improved background suppression, Edelman RR; Chien D; Atkinson DJ; Sandstrom J, Radiology 1991; **179:** 867

field strength in neuro-MR imaging: a comparison of 0.5 T and 1.5 T, Jack CR Jr; Berquist TH; Miller GM; et al, JCAT 1990; **14:** 505

flow-sensitive MR imaging of ventriculoperitoneal shunts: in vitro findings, clinical applications, and pitfalls, Castillo M; Hudgins PA; Malko JA; et al, AJNR 1991; **12:** 667

fluctuating MR images with mitochondrial encephalopathy, lactic acidosis, stroke-like syndrome (MELAS), Abe K; Inui T; Hirono N; et al, Neuroradiol 1990; **32:** 77

focal epilepsies: HM-PAO SPECT compared with CT, MR, and EEG, Cordes M; Christe W; Henkes H; et al, JCAT 1990; **14:** 402

focal high signal on MR scans of the midbrain caused by enlarged perivascular spaces: MR-pathologic correlation, Elster AD; Richardson DN, AJNR 1990; **11:** 1119

focal high signal on MR scans of the midbrain caused by enlarged perivascular spaces: MR-pathologic correlation, Elster AD; Richardson DN, AJR 1991; **156:** 157

focal signal-intensity variations in the posterior internal capsule: normal MR findings and distinction from pathologic findings, Mirowitz SA; Sartor K; Gado M; Torack R, Radiology 1989; **172:** 535

foci of increased T2 signal intensity on brain MR scans of healthy elderly subjects, Hendrie HC; Farlow MR; Austrom MG; et al, AJNR 1989; **10:** 703

"fogging effect" in MR of cerebral infarct, Asato R; Okumura R; Konishi J, JCAT 1991; **15:** 160

follow-up MR studies in Hallervorden-Spatz disease, Gallucci M; Cardona F; Arachi M; et al, JCAT 1990; **14:** 118

follow-up study by CT and MRI in 3 cases of Japanese encephalitis, Shoji H; Murakami T; Murai I; et al, Neuroradiol 1990; **32:** 215

functional cerebral imaging by susceptibility-contrast NMR, Belliveau JW; Rosen BR; Kantor HL; et al, Magn Res Med 1990; **14:** 538

gadolinium-DTPA enhanced MR imaging in tuberous sclerosis, Martin N; Debussche C; De Broucker T; et al, Neuroradiol 1990; **31:** 492

gadolinium-DTPA enhanced MR imaging of septic dural sinus thrombosis, Harris TM; Smith RR; Koch KJ, JCAT 1989; **13:** 682

gadolinium-enhanced MR imaging of cerebral venous angiomas with emphasis on their drainage, Wilms G; Demaerel P; Marchal G; et al, JCAT 1991; **15:** 199

gadolinium enhancement in acute disseminated encephalomyelitis, Caldemeyer KS; Harris TM; Smith RR; et al, JCAT 1991; **15:** 673

gadopentetate dimeglumine-enhanced MR imaging in children following surgery for brain tumor: spectrum of meningeal findings, Hudgins PA; Davis PC; Hoffman JC Jr, AJR 1991; **156:** 1237

Gd-DOTA-enhanced MR imaging in two cases of Sturge-Weber syndrome, Lipski S; Brunelle F; Aicardi J; et al, AJNR 1990; **11:** 690

Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, Elster AD; Rieser GD, AJNR 1989; **10:** 1027

Gd-DTPA enhanced MR imaging in intracranial tuberculosis, Chang K-H; Han M-H; Roh J-K; et al, Neuroradiol 1990; **32:** 19

Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, Chang KH; Han MH; Roh JK; et al, AJNR 1990; **11:** 69

Gd-DTPA enhanced MRI of herpes simplex encephalitis: a case report, Switzer P; Gomori JM; Eliashiv S, Clin Imag 1991; **15:** 121

Gd-DTPA–enhanced MR of multiple cryptococcal brain abscesses, Riccio TJ; Hesselink JR, AJNR 1989; **10:** S65

Gd-DTPA–enhanced MR of suspected spinal multiple sclerosis, Larsson E-M; Holtås S; Nilsson O, AJNR 1989; **10:** 1071

Gd-DTPA enhancement in MR imaging of central pontine myelinolysis, Koch KJ; Smith RR, AJNR 1989; **10:** S58

glycolysis: link between PET and proton MR spectroscopic studies of the brain, Lear JL, Radiology 1990; **174:** 328

GRASE (gradient- and spin-echo) MR imaging: a new fast clinical imaging technique, Feinberg DA; Oshio K, Radiology 1991; **181:** 597

^{1}H and ^{31}P NMR measurement of cerebral lactate, high-energy phosphate levels, and pH in humans during voluntary hyperventilation: associated EEG, capnographic, and Doppler findings, van Rijen PC; Luyten PR; van der Sprenkel JWB; et al, Magn Res Med 1989; **10:** 182

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; **173:** 653

heterogeneity of cerebral cavernous hemangiomas diagnosed by MR imaging, Rapacki TFX; Brantley MJ; Furlow TW Jr; et al, JCAT 1990; **14:** 18

high intensity areas on noncontrast T1-weighted MR images in cerebral infarction, Nabatame H; Fujimoto N; Nakamura K; et al, JCAT 1990; **14:** 521

high-resolution NMR spectroscopy of cerebral white matter in multiple sclerosis, Sappey-Marinier D, Magn Res Med 1990; **15:** 229

high signal intensity in MR images of calcified brain tissue, Henkelman RM; Watts JF; Kucharczyk W, Radiology 1991; **179:** 199

high signal intensity of both putamina in patients with HIV infection, Kodama T; Numaguchi Y; Gellad FE; et al, Neuroradiol 1991; **33:** 362

high-signal intraventricular cysticercosis on T1-weighted MR imaging, Spickler EM; Lufkin RB; Teresi L; et al, AJNR 1989; **10:** S64

high-signal periventricular lesions in patients with sarcoidosis: neurosarcoidosis or multiple sclerosis?, Smith AS; Meisler DM; Weinstein MA; et al, AJNR 1989; **10:** 485

^{1}H image-guided localized ^{31}P MR spectroscopy of human brain: quantitative analysis of ^{31}P MR spectra measured on volunteers and on intracranial tumor patients, Segebarth CM; Balériaux DF; de Beer R; et al, Magn Res Med 1989; **11:** 349

human brain proton localized NMR spectroscopy in multiple sclerosis, Van Hecke P; Marchal G; Johannik K; et al, Magn Res Med 1991; **18:** 199

hyperglycemia augments ischemic brain injury: in vivo MR imaging/spectroscopic study with nicardipine in cats with occluded middle cerebral arteries, Chew W; Kucharczyk J; Moseley M; et al, AJNR 1991; **12:** 603

hypertensive encephalopathy: magnetic resonance imaging demonstration of reversible cortical and white matter lesions, (ab), Hauser RA; Lacey M; Knight MR, Radiology 1989; **171:** 886

hypertrophic cranial pachymeningitis: assessment with CT and MR imaging, Martin N; Masson C; Henin D; et al, AJNR 1989; **10:** 477

identification of pre- and postcentral gyri on CT and MR images on the basis of the medullary pattern of cerebral white matter, Iwasaki S; Nakagawa H; Fukusumi A; Kichikawa K; Kitamura K; Otsuji H; Uchida H; Ohishi H; Yaguchi K; Sumie H; Kuru Y, Radiology 1991; **179:** 207

idiopathic growth hormone deficiency: MR findings in 35 patients, Abrahams JJ; Trefelner E; Boulware SD, AJR 1991; **156:** 599

idiopathic intracranial hypertension: pathogenesis and the role of MR imaging, George AE, Radiology 1989; **170:** 21

idiopathic intracranial hypertension (pseudotumor cerebri): MR imaging, Silbergleit R; Junck L; Gebarski SS; Hatfield MK, Radiology 1989; **170:** 207

imaging characteristics of tuberous sclerosis, Bell DG; King BF; Hattery RR; et al, AJR 1991; **156:** 1081

imaging of acute stroke, Bryan RN, Radiology 1990; **177:** 615

imaging of brain function: positron emission tomography, single-photon emission computed tomography, and some prospects for magnetic resonance, Potchen EJ; Potchen MJ, Invest Radiol 1991; **26:** 258

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

impact of section doubling on lesion contrast, Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L, Radiology 1991; **180:** 123

improved MR images of the brain with use of a gated, flow-compensated, variable-bandwidth pulse sequence, Enzmann D; Augustyn GT, Radiology 1989; **172:** 777

incidental paranasal sinus abnormalities on MRI of the brain, Moser FG; Panush D; Rubin JS; et al, Clin Radiol 1991; **43:** 252

integrated 3D display of brain anatomy and intracranial vasculature in MR imaging, Ehricke H-H; Laub G, JCAT 1990; **14:** 846

integrated MR imaging and proton nuclear magnetic resonance spectroscopy in a family with an X-linked spastic paraparesis, Yousem DM; Gutmann DH; Milestone BN; et al, AJNR 1991; **12:** 785

intracranial *aspergillus* granuloma simulating meningioma on MR imaging, Gupta RK; Singh AK; Bishnu P; et al, JCAT 1990; **14:** 467

intracranial chemical-shift artifacts on MR images of the brain: observations and relation to sampling bandwidth, Smith AS; Weinstein MA; Hurst GC; et al, AJNR 1990; **11:** 303

intracranial hemorrhagic lesions: evaluation with spin-echo and gradient-refocused MR imaging at 0.5 and 1.5 T, Seidenwurm D; Meng T-K; Kowalski H; Weinreb JC; Kricheff II, Radiology 1989; **172:** 189

intracranial sarcoidosis on gadolinium-enhanced MRI, Liu DPC; Sze G, Neuroradiol 1991; **33:** 189

intracranial tuberculoma: MR imaging, Salgado P; Del Brutto OH; Talamás O; et al, Neuroradiol 1989; **31:** 299

in vivo brain water determination by T_1 measurements: effect of total water content, hydration fraction, and field strength, Fatouros PP; Marmarou A; Kraft KA; et al, Magn Res Med 1991; **17:** 402

in vivo NMR spectroscopy of lithium-7 in humans, Komoroski RA; Newton JEO; Walker E; et al, Magn Res Med 1990; **15:** 347

in vivo ^{31}P nuclear magnetic resonance measurement of chronic changes in cerebral metabolites following neonatal intraventricular hemorrhage, (ab), Younkin D; Medoff-Cooper B; Guillet R; et al, Radiology 1989; **171:** 591

ischemic brain damage: reduction by sodium-calcium ion channel modulator RS-87476, Kucharczyk J; Mintorovitch J; Moseley ME; Asgari HS; Sevick RJ; Derugin N; Norman D, Radiology 1991; **179:** 221

is Gd-DTPA required for routine cranial MR imaging?, Elster AD; Moody DM; Ball MR; Laster DW, Radiology 1989; **173:** 231

isolated rhombencephalosynapsis diagnosed by magnetic resonance imaging, Savolaine ER; Fadell RJ; Patel YP, Clin Imag 1991; **15:** 125

large asymptomatic noncolloid neuroepithelial cysts in the lateral ventricle: CT and MR features, Numaguchi Y; Foster RW; Gum GK, Neuroradiol 1989; **31:** 98

large Virchow-Robin spaces: MR-clinical correlation, Heier LA; Bauer CJ; Schwartz L; et al, AJNR 1989; **10:** 929

leukoaraiosis: correlation of MR and CT findings with blood flow, atrophy, and cognition, Kobari M; Meyer JS; Ichijo M; et al, AJNR 1990; **11:** 273

Lhermitte-Duclos disease: CT and MR findings, Ashley DG; Zee C-S; Chandrasoma PT; et al, JCAT 1990; **14:** 984

lissencephaly and pachygyria, Banna M; Malabarey T, J Canad Assoc Radiol 1989; **40:** 156

localized high-resolution proton NMR spectroscopy using stimulated echoes: initial applications to human brain *in vivo*, Frahm J; Bruhn H; Gyngell ML; et al, Magn Res Med 1989; **9:** 79

localized ^{1}H *in vivo* NMR spectroscopy of small-volume elements in human brain at 1.5 T, Jung W-I; Grodd W; Lutz O; et al, Magn Res Med 1990; **15:** 320

localized ^{1}H NMR spectroscopy in Canavan's disease: a report of two cases, Austin SJ; Connelly A; Gadian DG; et al, Magn Res Med 1991; **19:** 439

localized proton NMR spectroscopy in different regions of the human brain *in vivo*. relaxation times and concentrations of cerebral metabolites, Frahm J; Bruhn H; Gyngell ML; et al, Magn Res Med 1989; **11:** 47

magnetic resonance evaluation of severe neurological disorders in eclampsia, Vandenplas O; Dive A; Dooms G; et al, Neuroradiol 1990; **32:** 47

magnetic resonance imaging and neurobehavioral correlates in schizencephaly, (ab), Aniskiewicz AS; Frumkin NL; Brady DE; et al, Radiology 1991; **178:** 899

magnetic resonance imaging findings in HIV cognitive impairment, (ab), Kieburtz KD; Ketonen L; Zettelmaier AE; et al, Radiology 1991; **178:** 900

magnetic resonance imaging in herpes simplex encephalitis, Albertyn LE, Australas Radiol 1990; **34:** 117

magnetic resonance imaging in MELAS syndrome, Rosen L; Phillips S; Enzmann D, Neuroradiol 1990; **32:** 168

magnetic resonance imaging in Parkinson's disease, (ab), Huber SJ; Chakeres DW; Paulson GW; et al, Radiology 1991; **178:** 899

magnetic resonance imaging in partial epilepsy of childhood: seventy-nine cases, Peretti P; Raybaud C; Dravet C; et al, J Neuroradiol 1989; **16:** 308

magnetic resonance imaging in refractory focal epilepsy with normal CT scans, Froment JC; Mauguiere F; Fischer C; et al, J Neuroradiol 1989; **16:** 285

magnetic resonance imaging in the clinical diagnosis of late temporal lobe necrosis following radiotherapy for nasopharyngeal carcinoma, Lee AWM; Cheng LOC; Ng SH; et al, Clin Radiol 1990; **42:** 24

magnetic resonance imaging in the malformative syndromes with mental retardation, Gabrielli O; Salvolini U; Coppa GV; et al, Pediatr Radiol 1990; **21:** 16

magnetic resonance imaging in toxic encephalopathy due to podophyllin poisoning, Chan YW, Neuroradiol 1991; **33:** 372

magnetic resonance imaging of cerebral fat embolism, Kawano Y; Ochi M; Hayashi K; et al, Neuroradiol 1991; **33:** 72

magnetic resonance imaging of disturbances in neuronal migration: illustration of an embryologic process, Smith AS; Blaser SI; Ross JS; Weinstein MA, Radiographics 1989; **9:** 509

magnetic resonance imaging of pituitary and parasellar abnormalities, Chakeres DW; Curtin A; Ford G, Radiol Clin North Am 1989; **27:** 265

magnetic resonance imaging of the brain, Wallace CJ, J Canad Assoc Radiol 1991; **42:** 13

magnetic resonance imaging of the brain in congenital cytomegalovirus infection, Boesch C; Issakainen J; Kewitz G; et al, Pediatr Radiol 1989; **19:** 91

magnetic resonance imaging of the brain in congenital rubella virus and cytomegalovirus infections, Sugita K; Ando M; Makino M; et al, Neuroradiol 1991; **33:** 239

magnetic resonance imaging of the cerebral aqueduct: signal intensity time curves demonstrated by fast acquisition with multiple excitation (FAME), Van den Hout JHW; Bakker CJG; Mali WPTM; et al, Invest Radiol 1989; **24:** 855

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

malignant hyperphenylalaninemia: CT and MR of the brain, Brismar J; Aqeel A; Gascon G; et al, AJNR 1990; **11:** 135

maple syrup urine disease: findings on CT and MR scans of the brain in 10 infants, Brismar J; Aqeel A; Brismar G; et al, AJNR 1990; **11:** 1219

mapping of normal brain maturation in infants on phase-sensitive inversion-recovery MR images, Christophe C; Muller MF; Balériaux D; et al, Neuroradiol 1990; **32:** 173

measurement of brain compartment volumes in MR using voxel composition calculations, Hillman GR; Kent TA; Kaye A; et al, JCAT 1991; **15:** 640

measurement of the blood–brain barrier permeability and leakage space using dynamic MR imaging. I. fundamental concepts, Tofts PS; Kermode AG, Magn Res Med 1991; **17:** 357

measuring random microscopic motion of water in tissues with MR imaging: a cat brain study, Le Bihan D; Moonen CTW; van Zijl PCM; et al, JCAT 1991; **15:** 19

membranous lipodystrophy: MR imaging appearance of the brain, Araki T; Ohba H; Monzawa S; Sakuyama K; Hachiya J; Seki T; Takahashi Y; Yamaguchi M, Radiology 1991; **180:** 793

meninges: benign postoperative enhancement on MR images, Burke JW; Podrasky AE; Bradley WG Jr, Radiology 1990; **174:** 99

metabolic and destructive brain disorders in children: findings with localized proton MR spectroscopy, Grodd W; Krägeloh-Mann I; Klose U; Sauter R, Radiology 1991; **181:** 173

metabolic asymmetries in asymptomatic HIV-1 seropositive subjects: relationship to disease onset and MRI findings, Pascal S; Resnick L; Barker WW; et al, J Nucl Med 1991; **32:** 1725

methanol poisoning: bilateral putaminal and cerebellar cortical lesions on CT and MR, Chen JC; Schneiderman JF; Wortzman G, JCAT 1991; **15:** 522

mitochondrial encephalomyopathy (MELAS) with mental disorder: CT, MRI and SPECT findings, Suzuki T; Koizumi J; Shiraishi H; et al, Neuroradiol 1990; **32:** 74

mitochondrial encephalomyopathy—two years follow-up by MRI, Hausegger KA; Millner MM; Ebner F; et al, Pediatr Radiol 1991; **21:** 231

mottled MR appearance of a hyperacute intracerebral hemorrhage at 0.5 T, Mascalchi M; Dal Pozzo G, JCAT 1990; **14:** 818

Moyamoya disease: MR findings, Brown WD; Graves VB; Chun RWM; et al, JCAT 1989; **13:** 720

MR anatomy and pathology of the hypothalamus, Loes DJ; Barloon TJ; Yuh WTC; et al, AJR 1991; **156:** 579

MR and CT of tuberous sclerosis: linear abnormalities in the cerebral white matter, Iwasaki S; Nakagawa H; Kichikawa K; et al, AJNR 1990; **11:** 1029

MR and ultrasound findings in a case of cerebro-oculo-muscular-syndrome, Simma B; Felber S; Maurer H; et al, Pediatr Radiol 1990; **20:** 554

MR appearance and cyst content of Rathke cleft cysts, Asari S; Ito T; Tsuchida S; et al, JCAT 1990; **14:** 532

MR appearance of gray and white matter at the cervicomedullary region, Ho PSP; Yu S; Czervionke LF; et al, AJNR 1989; **10:** 1051

MR appearance of hypertrophic olivary degeneration after contralateral cerebellar hemorrhage, Revel MP; Mann M; Brugieres P; et al, AJNR 1991; **12:** 71

MR assessment of myelination in infants and children: usefulness of marker sites, Bird CR; Hedberg M; Drayer BP; et al, AJNR 1989; **10:** 731

MR characteristics of subdural hematomas and hygromas at 1.5 T, Fobben ES; Grossman RI; Atlas SW; et al, AJNR 1989; **10:** 687

MR demonstration of a unilateral olivary hypertrophy caused by pontine tegmental hematoma, Hirono N; Kameyama M; Kobayashi Y; et al, Neuroradiol 1990; **32:** 340

MR demonstration of leukoencephalopathy associated with mitochondrial encephalomyopathy: case report, Sandhu FS; Dillon WP, AJNR 1991; **12:** 375

MR demonstration of reversible brain abnormalities in eclampsia, Schwaighofer BW; Hesselink JR; Healy ME, JCAT 1989; **13:** 310

MR diffusion imaging of the human brain, Chien D; Buxton RB; Kwong KK; et al, JCAT 1990; **14:** 514

MR evaluation of brain iron in children with cerebral infarction, Cross PA; Atlas SW; Grossman RI, AJNR 1990; **11:** 341

MR features of fleeting CNS lesions associated with Epstein-Barr virus infection, Tolly TL; Wells RG; Sty JR, JCAT 1989; **13:** 665

MR findings in eclampsia, Dierckx I; Appel B, AJNR 1989; **10:** 445

MR findings in extracerebral cavernous angiomas of the middle cranial fossa: report of two cases and review of the literature, Momoshima S; Shiga H; Yuasa Y; et al, AJNR 1991; **12:** 756

MR findings in globoid cell leucodystrophy, Demaerel P; Wilms G; Verdru P; et al, Neuroradiol 1990; **32:** 520

MR findings in leukodystrophy, Demaerel P; Faubert C; Wilms G; et al, Neuroradiol 1991; **33:** 368

MR findings in mannosidosis, Dietemann JL; Filippi de la Palavesa MM; Tranchant C; et al, Neuroradiol 1990; **32:** 485

MR findings in Meige syndrome, Piazza P; Bettoni L; Bortone E; et al, JCAT 1989; 13: 116

MR findings in methotrexate-induced CNS abnormalities, Ebner F; Ranner G; Slavc I; et al, AJNR 1989; 10: 959

MR findings in neonatal herpes simplex encephalitis type II, Enzmann D; Chang Y; Augustyn GT, JCAT 1990; 14: 453

MR findings in patients with subacute necrotizing encephalomyelopathy (Leigh syndrome): correlation with biochemical defect, Medina L; Chi TL; DeVivo DC; et al, AJNR 1990; 11: 379

MR findings in patients with subacute necrotizing encephalomyelopathy (Leigh syndrome): correlation with biochemical defect, Medina L; Chi TL; DeVivo DC; et al, AJR 1990; 154: 1269

MR findings in primary antiphospholipid syndrome, Pulpeiro JR; Cortés JA; Macarrón J; et al, AJNR 1991; 12: 452

MR findings in rhinocerebral mucormycosis, Yousem DM; Galetta SL; Gusnard DA; et al, JCAT 1989; 13: 878

MR findings in the brains of compressed-air tunnel workers: relationship to psychometric results, Fueredi GA; Czarnecki DJ; Kindwall EP, AJNR 1991; 12: 67

MRI assessment of unsuspected dural sinus thrombosis, Hulcelle PJ; Dooms GC; Mathurin P; et al, Neuroradiol 1989; 31: 217

MRI demonstrates descending transtentorial herniation, (ab), Feldman E; Gandy SE; Becker R; et al, Radiology 1989; 170: 588

MRI demonstration of cortical laminar necrosis and delayed white matter injury in anoxic encephalopathy, Sawada H; Udaka F; Seriu N; et al, Neuroradiol 1990; 32: 319

MRI findings in the mild type of mucopolysaccharidosis II (Hunter's syndrome), Shimoda-Matsubayashi S; Kuru Y; Sumie H; et al, Neuroradiol 1990; 32: 328

MRI in Cockayne syndrome type I, Boltshauser E; Yalcinkaya C; Wichmann W; et al, Neuroradiol 1989; 31: 276

MRI in the diagnosis of Cockayne's syndrome: one case, Demaerel P; Wilms G; Verdru P; et al, J Neuroradiol 1990; 17: 157

MR image contrast at high field strength, Vinitski S; Griffey RH, JMRI 1991; 1: 451

MR imaging and CT in three cases of Sturge-Weber syndrome: prospective comparison, Chamberlain MC; Press GA; Hesselink JR, AJNR 1989; 10: 491

MR imaging appearance of childhood adrenoleukodystrophy with auditory, visual, and motor pathway involvement, Jensen ME; Sawyer RW; Braun IF; Rizzo WB, Radiographics 1990; 10: 53

MR imaging–based volume measurements of the hippocampal formation and anterior temporal lobe: validation studies, Jack CR Jr; Bentley MD; Twomey CK; Zinsmeister AR, Radiology 1990; 176: 205

MR imaging in a patient with Leigh's disease (subacute necrotizing encephalomyelopathy), Manzi SV; Hager KH; Murtagh FR; et al, Pediatr Radiol 1990; 21: 62

MR imaging in chronic partial epilepsy: role of contrast enhancement, Elster AD; Mirza W, AJNR 1991; 12: 165

MR imaging in chronic partial epilepsy: role of contrast enhancement, Elster AD; Mirza W, AJR 1991; 156: 605

MR imaging in cysticercotic encephalitis, Del Brutto OH; Zenteno MA; Salgado P; et al, AJNR 1989; 10: S18

MR imaging in incomplete band heterotopia, Gallucci M; Bozzao A; Curatolo P; et al, AJNR 1991; 12: 701

MR imaging in patients with intractable complex partial epileptic seizures, Brooks BS; King DW; El Gammal T; et al, AJNR 1990; 11: 93

MR imaging in patients with intractable complex partial epileptic seizures, Brooks BS; King DW; El Gammal T; et al, AJR 1990; 154: 577

MR imaging in patients with temporal lobe seizures: correlation of results with pathologic findings, Heinz ER; Crain BJ; Radtke RA; et al, AJNR 1990; 11: 827

MR imaging in patients with temporal lobe seizures: correlation of results with pathologic findings, Heinz ER; Crain BJ; Radtke RA; et al, AJR 1990; 155: 581

MR imaging in progressive supranuclear palsy and Shy-Drager syndrome, Savoiardo M; Strada L; Girotti F; et al, JCAT 1989; 13: 555

MR imaging of acute intracranial hemorrhage: findings on sequential spin-echo and gradient-echo images in a dog model, Weingarten K; Zimmerman RD; Deo-Narine V; et al, AJNR 1991; 12: 457

MR imaging of an extreme case of cerebellar ectopia in a patient with Chiari II malformation, Kudryk BT; Coleman JM; Murtagh FR; et al, AJNR 1991; 12: 705

MR imaging of an intracerebral hydatid cyst, Coates R; von Sinner W; Rahm B, AJNR 1990; 11: 1249

MR imaging of anisotropically restricted diffusion in the brain of neonates and infants, Rutherford MA; Cowan FM; Manzur AY; et al, JCAT 1991; 15: 188

MR imaging of anisotropically restricted diffusion of water in the nervous system: technical, anatomic, and pathologic considerations, Hajnal JV; Doran M; Hall AS; et al, JCAT 1991; 15: 1

MR imaging of brain abscesses, Haimes AB; Zimmerman RD; Morgello S; et al, AJNR 1989; 10: 279

MR imaging of brain maturation in normal and developmentally handicapped children, Martin E; Boesch C; Zuerrer M; et al, JCAT 1990; 14: 685

MR imaging of brain surface structures: surface anatomy scanning (SAS), Katada K, Neuroradiol 1990; 32: 439

MR imaging of cavitary lesions in the brain with Hurler/Scheie, Rauch RA; Friloux LA III; Lott IT, AJNR 1989; 10: S1

MR imaging of cerebral gumma, Agrons GA; Han SS; Husson MA; et al, AJNR 1991; 12: 80

MR imaging of cerebral hematomas at different field strengths: theory and applications, Brooks RA; Di Chiro G; Patronas N, JCAT 1989; 13: 194

MR imaging of cerebral ischemia: findings in the first 24 hours, Yuh WTC; Crain MR; Loes DJ; et al, AJNR 1991; 12: 621

MR imaging of cerebral ischemia: findings in the first 24 hours, Yuh WTC; Crain MR; Loes DJ; et al, AJR 1991; 157: 565

MR imaging of chronic cerebral paragonimiasis, Kadota T; Ishikura R; Tabuchi Y; et al, AJNR 1989; 10: S21

MR imaging of CNS relapse of Whipple disease, Davion T; Rosat P; Sevestre H; et al, JCAT 1990; 14: 815

MR imaging of CSF-like choroidal fissure and parenchymal cysts of the brain, Sherman JL; Camponovo E; Citrin CM, AJNR 1990; 11: 939

MR imaging of CSF-like choroidal fissure and parenchymal cysts of the brain, Sherman JL; Camponovo E; Citrin CM, AJR 1990; 155: 1069

MR imaging of epidermoid cysts, Tampieri D; Melanson D; Ethier R, AJNR 1989; 10: 351

MR imaging of hindbrain deformity in Chiari II patients with and without symptoms of brainstem compression, Curnes JT; Oakes WJ; Boyko OB, AJNR 1989; 10: 293

MR imaging of hyperacute intracranial hemorrhage in the cat, Hayman LA; McArdle CB; Taber KH; et al, AJNR 1989; 10: 681

MR imaging of intracerebral blood: diversity in the temporal pattern at 0.5 and 1.0 T, Zyed A; Hayman LA; Bryan RN, AJNR 1991; 12: 469

MR imaging of intracranial fluid levels, Abrahams JJ; Lidov M; Artiles C, AJNR 1989; 10: 695

MR imaging of intracranial hemorrhage in neonates and infants at 2.35 Tesla, Zuerrer M; Martin E; Boltshauser E, Neuroradiol 1991; 33: 223

MR imaging of leukoencephalopathy associated with Navajo neuropathy, Williams KD; Drayer BP; Johnsen SD; et al, AJNR 1990; 11: 400

MR imaging of Lhermitte-Duclos disease: a case report, Smith RR; Grossman RI; Goldberg HI; et al, AJNR 1989; 10: 187

MR imaging of lytic changes in Paget disease of the calvarium, Kelly JK; Denier JE; Wilner HI; et al, JCAT 1989; 13: 27

MR imaging of neurocysticercosis, Teitelbaum GP; Otto RJ; Lin M; et al, AJNR 1989; 10: 709

MR imaging of olfactory bulbs and tracts, Suzuki M; Takashima T; Kadoya M; et al, AJNR 1989; 10: 955

MR imaging of paraneoplastic limbic encephalitis, Lacomis D; Khoshbin S; Schick RM, JCAT 1990; 14: 115

MR imaging of periventricular leukomalacia in childhood, Flodmark O; Lupton B; Li D; et al, AJNR 1989; 10: 111

MR imaging of phenylketonuria, Shaw DWW; Maravilla KR; Weinberger E; et al, AJNR 1991; 12: 403

MR imaging of postpartum cortical blindness, Coughlin WF; McMurdo SK; Reeves T, JCAT 1989; 13: 572

MR imaging of presumed olivary hypertrophy in palatal myoclonus, Zarranz JJ; Fontan A; Forcadas I, AJNR 1990; 11: 1164

MR imaging of spastic diplegia: comparative study between preterm and term infants, Koeda T; Suganuma I; Kohno Y; et al, Neuroradiol 1990; 32: 187

MR imaging of Sturge-Weber syndrome: role of gadopentetate dimeglumine and gradient-echo techniques, Elster AD; Chen MYM, AJNR 1990; 11: 685

MR imaging of the brain in five members of a family with Pelizaeus-Merzbacher disease, Silverstein AM; Hirsh DK; Trobe JD; et al, AJNR 1990; 11: 495

MR imaging of the brain in Fukuyama-type congenital muscular dystrophy, Yoshioka M; Saiwai S; Kuroki S; et al, AJNR 1991; 12: 63

MR imaging of the brain in patients with diabetes insipidus, Tien RD; Kucharczyk J; Kucharczyk W, AJNR 1991; 12: 533

MR imaging of the brain in patients with diabetes insipidus, Tien RD; Kucharczyk J; Kucharczyk W, AJR 1991; 157: 123

MR imaging of the brain in patients with migraine headaches, Osborn RE; Alder DC; Mitchell CS, AJNR 1991; 12: 521

MR imaging of the brain in patients with migraine headaches, Osborn RE; Alder DC; Mitchell CS, AJR 1991; 157: 385

MR imaging of the brain in patients with mucopolysaccharidosis, Murata R; Nakajima S; Tanaka A; et al, AJNR 1989; 10: 1165

MR imaging of the central nervous system in divers, Rinck PA; Svihus R; de Francisco P, JMRI 1991; 1: 293

MR imaging of the various stages of normal myelination during the first year of life, van der Knaap MS; Valk J, Neuroradiol 1990; 31: 459

MR imaging of white matter lesions in uncomplicated chronic alcoholism, Gallucci M; Amicarelli I; Rossi A; et al, JCAT 1989; 13: 395

MR in the diagnosis of Wernicke-Korsakoff syndrome, Victor M, AJR 1990; 155: 1315

MRI of "diffusion" in the human brain: new results using a modified CE-FAST sequence, Merboldt K-D; Bruhn H; Frahm J; et al, Magn Res Med 1989; 9: 423

MRI of two infants with tuberous sclerosis, Stricker T; Zuerrer M; Martin E; et al, Neuroradiol 1991; 33: 175

MRI pattern of progressive multifocal leukoencephalopathy (PML) in AIDS: pathological correlations, Trotot PM; Vazeux R; Yamashita HK; et al, J Neuroradiol 1990; 17: 233

MR microscopy at 7.0 T: effects of brain iron, Malisch TW; Hedlund LW; Suddarth SA; Johnson GA, JMRI 1991; 1: 301

MR of aqueductal stenosis: evidence of a broad spectrum of tectal distortion, Barkovich AJ; Newton TH, AJNR 1989; 10: 471

MR of central nervous system neoplasia of the phakomatoses, Braffman BH; Bilaniuk LT; Zimmerman RA, Semin Roentgenol 1990; 25: 198

MR of hydranencephaly, Poe LB; Coleman LL, AJNR 1989; 10: S61

MR of Kearns-Sayre syndrome, Demange P; Gia HP; Kalifa G; et al, AJNR 1989; 10: S91

MR of progressive neurodegenerative change in treated Menkes' kinky hair disease, Johnsen DE; Coleman LL; Poe L, Neuroradiol 1991; 33: 181

MR of reversible thalamic lesions in Wernicke syndrome, Donnal JF; Heinz ER; Burger PC, AJNR 1990; **11:** 893

MR signal abnormalities in memory disorder and dementia, Bowen BC; Barker WW; Loewenstein DA; et al, AJNR 1990; **11:** 283

MR signal abnormalities in memory disorder and dementia, Bowen BC; Barker WW; Loewenstein DA; et al, AJR 1990; **154:** 1285

MRS of ischemic/hypoxic brain disease, Kucharczyk J; Moseley M; Kurhanewicz J; et al, Invest Radiol 1989; **24:** 951

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

MR spectrum of peroxisomal disorders, van der Knaap MS; Valk J, Neuroradiol 1991; **33:** 30

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

multiple sclerosis: histopathologic and MR and/or CT correlation in 37 cases at biopsy and three cases at autopsy, Nesbit GM; Forbes GS; Scheithauer BW; Okazaki H; Rodriguez M, Radiology 1991; **180:** 467

multiple sclerosis in adolescents: CT and MR findings, Osborn AG; Harnsberger HR; Smoker WRK; et al, AJR 1990; **155:** 385

multiple sclerosis in children: value of serial MR studies to monitor patients, Ebner F; Millner MM; Justich E, AJNR 1990; **11:** 1023

multiple sclerosis: specificity of MR for diagnosis, Yetkin FZ; Haughton VM; Papke RA; Fischer ME; Rao SM, Radiology 1991; **178:** 447

myxoma of the heart presenting with recurrent episodes of hemorrhagic cerebral infarction: MR findings, Michael AS; Mikhael MA; Christ M, JCAT 1989; **13:** 123

neonatal tuberous sclerosis: magnetic resonance apearance of subependymal tubers, Dawson KL; Moore SG; Ariagno RL, Australas Radiol 1990; **34:** 247

neurodegenerative diseases of childhood: MR and CT evaluation, Mirowitz SA; Sartor K; Prensky AJ; et al, JCAT 1991; **15:** 210

neurologic applications, Modic MT, AJR 1991; **156:** 239

neuroradiology: RSNA '88 meeting notes, Kieffer SA; Latchaw RE; Leeds NE; Modic MT; Naidich TP; Pressman BD; Segall HD; Smoker WRK; Tenner M; Williams AL; Zimmerman RD, Radiology 1989; **170:** 906

neuroradiology: RSNA '89 meeting notes, Segall HD; Byrd SE; Enzmann DR; Fox AJ; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Naidich TP; Quencer RM; Sze GK; Tenner MS; Wolpert SM; Zimmerman RD, Radiology 1990; **174:** 910

neuroradiology: RSNA '90 meeting notes, Segall HD; Daniels DL; Fitz CR; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Maravilla KR; Quencer RM; Rosenbaum AE; Russell EJ; Sze GK; Tenner MS; Yuh WTC; Zimmerman RD, Radiology 1991; **178:** 902

neurosarcoidosis: gadolinium-enhanced MR imaging, Williams DW III; Elster AD; Kramer SI, JCAT 1990; **14:** 704

new MR imaging findings in multiple sclerosis, (ab), Gean-Marton AD; Weinstein MA, Radiology 1991; **179:** 591

NMR studies in experimental allergic encephalomyelitis: factors which contribute to T1 and T2 values, Karlik SJ; Gilbert JJ; Wong C; et al, Magn Res Med 1990; **14:** 1

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

nonacute subdural hematoma: fundamental interpretation of MR images based on biochemical and in vitro MR analysis, Ebisu T; Naruse S; Horikawa Y; Tanaka C; Higuchi T, Radiology 1989; **171:** 449

normal and abnormal white matter tracts shown by MR imaging using directional diffusion weighted sequences, Doran M; Hajnal JV; Van Bruggen N; et al, JCAT 1990; **14:** 865

normal brain maturation in MRI, Hayakawa K; Konishi Y; Kuriyama M; et al, Eur J Radiol 1991; **12:** 208

normal deposition of brain iron in childhood and adolescence: MR imaging at 1.5 T, Aoki S; Okada Y; Nishimura K; Barkovich AJ; Kjos BO; Brasch RC; Norman D, Radiology 1989; **172:** 381

nuclear relaxation of human brain gray and white matter: analysis of field dependence and implications for MRI, Fischer HW; Rinck PA; Van Haverbeke Y; et al, Magn Res Med 1990; **16:** 317

occult cerebrovascular malformations: follow-up with MR imaging, Sigal R; Krief O; Houtteville JP; Halimi P; Doyon D; Pariente D, Radiology 1990; **176:** 815

olivopontocerebellar atrophy: MR diagnosis and relationship to multisystem atrophy, Savoiardo M; Strada L; Girotti F; Zimmerman RA; Grisoli M; Testa D; Petrillo R, Radiology 1990; **174:** 693

one-year MR imaging follow-up of patients with multiple sclerosis under cortisone therapy, Uhlenbrock D; Herbe E; Seidel D; et al, Neuroradiol 1989; **31:** 3

optimization of sequence parameters in fast MR imaging of the brain with FLASH, Stadnik TW; Luypaert RR; Neirynck EC; et al, AJNR 1989; **10:** 357

optimizing brain MR imaging protocols with gadopentetate dimeglumine: enhancement of intracranial lesions on spin-density- and T2-weighted images, Wessbecher FW; Maravilla KR; Dalley RW, AJNR 1991; **12:** 675

osteogenic sarcoma: MR signal abnormalities of the brain in asymptomatic patients treated with high-dose methotrexate, Lien HH; Blomlie V; Saeter G; Solheim Ø; Fosså SD, Radiology 1991; **179:** 547

ovoid lesion: a new MR observation in patients with multiple sclerosis, Horowitz AL; Kaplan RD; Grewe G; et al, AJNR 1989; **10:** 303

pachygyriclike changes: topographic appearance at MR imaging and CT and correlation with neurologic status, Titelbaum DS; Hayward JC; Zimmerman RA, Radiology 1989; **173:** 663

pathophysiology of acute intracerebral and subarachnoid hemorrhage: applications to MR imaging, Hayman LA; Pagani JJ; Kirkpatrick JB; et al, AJNR 1989; **10:** 457

Pelizaeus-Merzbacher disease: contribution of magnetic resonance imaging to an early diagnosis, André M; Monin P; Moret C; et al, J Neuroradiol 1990; **17:** 216

persistent nidus blood flow in cerebral arteriovenous malformation after stereotactic radiosurgery: MR imaging assessment, Quisling RG; Peters KR; Friedman WA; Tart RP, Radiology 1991; **180:** 785

PET, CT, and MRI in the evaluation of neuropsychiatric disorders: current applications, Jolles PR; Chapman PR; Alavi A, J Nucl Med 1989; **30:** 1589

phenylketonuria: MR imaging of the brain with clinical correlation, Pearsen KD; Gean-Marton AD; Levy HL; Davis KR, Radiology 1990; **177:** 437

pontine hydatid cyst in association with an acoustic neurinoma: MR appearance in an unusual case, Mascalchi M; Ragazzoni A; Dal Pozzo G, AJNR 1991; **12:** 78

precise relaxation time measurements of normal-appearing white matter in inflammatory central nervous system disease, Miller DH; Johnson G; Tofts PS; et al, Magn Res Med 1989; **11:** 331

prediction of neurodevelopmental outcome in the preterm infant: MR-staged myelination compared with cranial US, Guit GL; van de Bor M; den Ouden L; Wondergem JHM, Radiology 1990; **175:** 107

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US, Algra PR; Barkhof F; Valk J, Radiology 1990; **177:** 885

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US: reply, Guit GL; van de Bor M, Radiology 1990; **177:** 885

primary progressive cerebellar ataxia, Bradac GB; Riva A; Mortara P; et al, Neuroradiol 1989; **31:** 16

progressive multifocal leukoencephalopathy in patients with AIDS: appearance on MR images, Mark AS; Atlas SW, Radiology 1989; **173:** 517

proliferative retinopathy: absence of white matter lesions at MR imaging, Yousem DM; Tasman WS; Grossman RI, Radiology 1991; **179:** 229

prominent cisterna magna: Tc-99m HMPAO and MRI correlation, Spiegler EJ; Ratliff C Jr, Clin Nucl Med 1991; **16:** 452

prospective observations of 100 high-risk neonates by high-field (1.5 Tesla) magnetic resonance imaging of the center nervous system. I. intraventricular and extracerebral lesions. II. lesions associated with hypoxic-ischemic encephalopathy, (ab), Keeney SE; Adcock EW; McArdle CB, Radiology 1991; **181:** 615

proton MR spectroscopy and imaging of the brain in AIDS: evidence of neuronal loss in regions that appear normal with imaging, Menon DK; Baudouin CJ; Tomlinson D; et al, JCAT 1990; **14:** 882

proton MR spectroscopy in herpes simplex encephalitis: assessment of neuronal loss, Menon DK; Sargentoni J; Peden CJ; et al, JCAT 1990; **14:** 449

proton MR spectroscopy of the brain in infants, Peden CJ; Cowan FM; Bryant DJ; et al, JCAT 1990; **14:** 886

quantitation of blood–brain barrier defect by magnetic resonance imaging and gadolinium–DTPA in patients with multiple sclerosis and brain tumors, Larsson HBW; Stubgaard M; Frederiksen JL; et al, Magn Res Med 1990; **16:** 117

recent advances in MR imaging/spectroscopy of cerebral ischemia, Baker LL; Kucharczyk J; Sevick RJ; et al, AJR 1991; **156:** 1133

reduced-bandwidth MR imaging of the head at 1.5 T, Simon JH; Foster TH; Ketonen L; Totterman S; Szumowski J; Kido DK; Manzione JV Jr; Joy SE, Radiology 1989; **172:** 771

reference system for neuroanatomical localization on functional reconstructed cerebral images, Wilson MW; Mountz JM, JCAT 1989; **13:** 174

regional T2 and sodium concentration estimates in the normal human brain by sodium-23 MR imaging at 1.5 T, Winkler SS; Thomasson DM; Sherwood K; et al, JCAT 1989; **13:** 561

registration of three-dimensional MR and PET images of the human brain without markers, Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW, Radiology 1991; **181:** 731

relaxometry of brain: why white matter appears bright in MRI, Koenig SH; Brown RD III; Spiller M; et al, Magn Res Med 1990; **14:** 482

resolving MRI abnormalities with progression of subacute sclerosing panencephalitis, Winer JB; Pires M; Kermode A; et al, Neuroradiol 1991; **33:** 178

reversibility of CT and MR findings in neuro-Behçet disease, Patel DV; Neuman MJ; Hier DB, JCAT 1989; **13:** 669

role of contrast-enhanced MR imaging in the diagnosis of neurocysticercosis, Chang KH; Lee JH; Han MH; et al, AJR 1991; **157:** 393

role of ferritin and hemosiderin in the MR appearance of cerebral hemorrhage: a histopathologic biochemical study in rats, Thulborn KR; Sorensen AG; Kowall NW; et al, AJNR 1990; **11:** 291

role of ferritin and hemosiderin in the MR appearance of cerebral hemorrhage: a histopathologic biochemical study in rats, Thulborn KR; Sorensen AG; Kowall NW; et al, AJR 1990; **154:** 1053

role of iron and ferritin in MR imaging of the brain: a study in primates at different field strengths, Bizzi A; Brooks RA; Brunetti A; Hill JM; Alger JR; Miletich RS; Francavilla TL; Di Chiro G, Radiology 1990; **177:** 59

routine contrast enhancement for cranial magnetic resonance imaging: an analysis of its diagnostic value in adults, Kucharczyk W; Lee DH; McClarty B; et al, J Canad Assoc Radiol 1991; **42:** 199

salient features of MR angiography, Haacke EM; Masaryk TJ, Radiology 1989; 173: 611
sanguinary efforts, Grossman RI, Radiology 1989; 172: 13
segmentation of MR brain images into cerebrospinal fluid spaces, white and gray matter, Lim KO; Pfefferbaum A, JCAT 1989; 13: 588
sellar abscess associated with tuberculous osteomyelitis of the skull: MR findings, Gupta RK; Jena A; Sharma A, AJNR 1989; 10: 448
separation of lipids from lactate in experimental allergic encephalomyelitis by zero quantum NMR techniques, Richards TL, Invest Radiol 1989; 24: 955
septo-optic dysplasia: MR imaging, Barkovich AJ; Fram EK; Norman D, Radiology 1989; 171: 189
sequelae of temporal lobe herniation: MR imaging, Wernick S; Wells RG, JCAT 1989; 13: 323
sequential gadolinium-DTPA enhanced MRI studies in neuro-Behçet's disease, Kazui S; Naritomi H; Imakita S; et al, Neuroradiol 1991; 33: 136
serial imaging of Menkes disease, Ichihashi K; Yano S; Kobayashi S; et al, Neuroradiol 1990; 32: 56
serial MR imaging in Creutzfeldt-Jakob disease, Uchino A; Yoshinaga M; Shiokawa O; et al, Neuroradiol 1991; 33: 364
serial MR studies in Menkes disease, Blaser SI; Berns DH; Ross JS; et al, JCAT 1989; 13: 113
serial proton magnetic resonance spectroscopy of ischemic brain injury in humans, Fenstermacher MJ; Narayana PA, Invest Radiol 1990; 25: 1034
significant extracranial carotid stenosis: detection on routine cerebral MR images, Heinz ER; Yeates AE; Djang WT, Radiology 1989; 170: 843
sinus pericranii: CT and MR findings, Sadler LR; Tarr RW; Jungreis CA; et al, JCAT 1990; 14: 124
Sneddon syndrome: CT, arteriography, and MR imaging, Blom RJ, JCAT 1989; 13: 119
sodium-23 magnetic resonance brain imaging, Winkler SS, Neuroradiol 1990; 32: 416
spatially localized magnetic resonance spectroscopy of the brains of normal and asphyxiated newborns, (ab), Moorcraft J; Bolas NM; Ives NK; et al, Radiology 1991; 181: 615
spin echo ^{31}P spectroscopic imaging in the human brain, Maudsley AA; Twieg DB; Sappey-Marinier D; et al, Magn Res Med 1990; 14: 415
Sturge-Weber syndrome: comparison of MR and CT characteristics, Wasenko JJ; Rosenbloom SA; Duchesneau PM; et al, AJNR 1990; 11: 131
subacute and chronic cerebral infarctions: SPECT and gadolinium-DTPA enhanced MR imaging, Cordes M; Henkes H; Roll D; et al, JCAT 1989; 13: 567
subcortical cerebral hemorrhages associated with cocaine abuse: CT and MR findings, Nalls G; Disher A; Daryabagi J; et al, JCAT 1989; 13: 1
subdural and epidural empyemas: MR imaging, Weingarten K; Zimmerman RD; Becker RD; et al, AJNR 1989; 10: 81
subdural mass lesion secondary to sarcoid granuloma: MR and CT findings and differential diagnosis, Brooks ML; Wang A-M; Black PM; et al, Comput Med Imag Graph 1989; 13: 199
surface coil spectroscopic imaging: time and spatial evolution of lactate production following fluid percussion brain injury, Cohen Y; Sanada T; Pitts LH; et al, Magn Res Med 1991; 17: 225
surface of the brain: three-dimensional MR images created with volume rendering, Levin DN; Hu X; Tan KK; Galhotra S, Radiology 1989; 171: 277
Sydenham chorea: MR manifestations in two cases, Kienzle GD; Breger RK; Chun RWM; et al, AJNR 1991; 12: 73
T1 and T2 in the cerebrum: correlation with age, gender, and demographic factors, Breger RK; Yetkin FZ; Fischer ME; Papke RA; Haughton VM; Rimm AA, Radiology 1991; 181: 545
T1 and T2 relaxation time estimates in the normal human brain, Agartz I; Sääf J; Wahlund L-O; Wetterberg L, Radiology 1991; 181: 537
T2 values in the human brain: comparison with quantitative assays of iron and ferritin, Chen JC; Hardy PA; Clauberg M; Joshi JG; Parravano J; Deck JHN; Henkelman RM; Becker LE; Kucharczyk W, Radiology 1989; 173: 521
temporal lobe seizures: lateralization with MR volume measurements of the hippocampal formation, Jack CR Jr; Sharbrough FW; Twomey CK; Cascino GD; Hirschorn KA; Marsh WR; Zinsmeister AR; Scheithauer B, Radiology 1990; 175: 423
three-dimensional alignment of functional and morphological tomograms, Pietrzyk U; Herholz K; Heiss W-D, JCAT 1990; 14: 51
three-dimensional segmentation of MR images of the head using probability and connectivity, Cline HE; Lorensen WE; Kikinis R; et al, JCAT 1990; 14: 1037
topography and identification of the inferior precentral sulcus in MR imaging, Ebeling U; Steinmetz H; Huang Y; et al, AJNR 1989; 10: 937
topography and identification of the inferior precentral sulcus in MR imaging, Ebeling U; Steinmetz H; Huang Y; et al, AJR 1989; 153: 1051
towards quantitative measurements of relaxation times and other parameters in the brain, Tofts PS; du Boulay EPGH, Neuroradiol 1990; 32: 407
transalar sphenoidal encephaloceles: clinical and radiologic findings, Elster AD; Branch CL Jr, Radiology 1989; 170: 245
transient cerebellopontine demyelinisation revealed by MRI in acute cerebellar ataxia, Aufricht CA; Tenner W; Stiglbauer R; et al, Pediatr Radiol 1990; 20: 602
transient white matter changes on MR images in children undergoing chemotherapy for acute lymphocytic leukemia: correlation with neuropsychologic deficiencies, Wilson DA; Nitschke R; Bowman ME; Chaffin MJ; Sexauer CL; Prince JR, Radiology 1991; 180: 205
traumatic brain stem injury: MR imaging, Gentry LR; Godersky JC; Thompson BH, Radiology 1989; 171: 177
tuberous sclerosis: increased MR detection using gradient echo techniques, Berns DH; Masaryk TJ; Weisman B; et al, JCAT 1989; 13: 896
uncommon longitudinal relaxation dispersion of human brain white matter, Fischer HW; Van Haverbeke Y; Schmitz-Feuerhake I; et al, Magn Res Med 1989; 9: 441
unilateral megalencephaly: correlation of MR imaging and pathologic characteristics, Barkovich AJ; Chuang SH, AJNR 1990; 11: 523
unusual brain MRI findings in a patient with hypomelanosis of Ito, Bhushan V; Gupta RR; Weinreb J; et al, Pediatr Radiol 1989; 20: 104
unusual magnetic resonance findings in Wilson's disease, Singcharoen T; Chakkaphak K; Udompanich O, Br J Radiol 1991; 64: 752
unusual MR manifestations of neurocysticercosis, Suh DC; Chang KH; Han MH; et al, Neuroradiol 1989; 31: 396
value of fast gradient-echo MR sequences in the evaluation of brain disease, Steinberg PM; Ross JS; Modic MT; et al, AJNR 1990; 11: 59
value of T1-weighted images in the differentiation between MS, white matter lesions, and subcortical arteriosclerotic encephalopathy (SAE), Uhlenbrock D; Sehlen S, Neuroradiol 1989; 31: 203
variation of contrast between different brain tissues with an MR snapshot technique, Klose U; Nägele T; Grodd W; Petersen D, Radiology 1990; 176: 578
variation of lateral ventricular volume during the cardiac cycle observed by MR imaging, Lee E; Wang J-z; Mezrich R, AJNR 1989; 10: 1145
variation of perisylvian and calcarine anatomic landmarks within stereotaxic proportional coordinates, Steinmetz H; Fürst G; Freund H-J, AJNR 1990; 11: 1123
variations in the in vivo P-31 MR spectra of the developing human brain during postnatal life: work in progress, Boesch C; Gruetter R; Martin E; Duc G; Wüthrich K, Radiology 1989; 172: 197
visibility of cranial nerves at MRI, Caillet H; Delvalle A; Doyon D; et al, J Neuroradiol 1990; 17: 289
volumes of chronic traumatic frontal brain lesions measured by MR imaging and CBF tomography, (ab), Maeder P; Wirsén A; Bajc M; et al, Acta Radiol 1991; 32: 271
volumetric rendering of MR images, Rusinek H; Mourino MR; Firooznia H; Weinreb JC; Chase NE, Radiology 1989; 171: 269
Wernicke encephalopathy: MR findings in five patients, Gallucci M; Bozzao A; Splendiani A; et al, AJR 1990; 155: 1309
white matter hyperintensities may correspond to areas of increased blood volume: correlative MR and PET observations, Yamauchi H; Fukuyama H; Harada K; et al, JCAT 1990; 14: 905
white matter lesions: role of spin density in MR imaging, Geis JR; Hendrick RE; Lee S; Davis KA; Thickman D, Radiology 1989; 170: 863
Wilson's disease: computed tomography and magnetic resonance imaging findings, Abdollah A; Tampieri D; Melanson D, J Canad Assoc Radiol 1991; 42: 130

Brain, necrosis

cerebral necrosis simulating an intraparenchymal tumor, Nelson DR; Yuh WTC; Wen B-C; et al, AJNR 1990; 11: 211
clinical diagnosis of late temporal lobe necrosis following radiation therapy for nasopharyngeal carcinoma, (ab), Lee AWM; Ng SH; Ho JHC; et al, Radiology 1989; 170: 589
evolution of central necrosis in a meningioma: CT and MR features, Terasaki KK; Zee C-S, JCAT 1990; 14: 464
magnetic resonance imaging in the clinical diagnosis of late temporal lobe necrosis following radiotherapy for nasopharyngeal carcinoma, Lee AWM; Cheng LOC; Ng SH; et al, Clin Radiol 1990; 42: 24
MRI demonstration of cortical laminar necrosis and delayed white matter injury in anoxic encephalopathy, Sawada H; Udaka F; Seriu N; et al, Neuroradiol 1990; 32: 319
subacute necrotizing encephalomyelopathy (Leigh disease): CT and MRI appearances, Greenberg SB; Faerber EN; Riviello JJ; et al, Pediatr Radiol 1990; 21: 5

Brain, neoplasms

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Brain, parasites

See also Parasites
cerebral hydatid cysts: CT findings, Demir K; Karsli AF; Kaya T; et al, Neuroradiol 1991; 33: 22
CT features of *Cellulosae* and *Racemosus* neurocysticercosis, Rodacki MA; Detoni XA; Teixeira WR; et al, JCAT 1989; 13: 1013
cysticercosis mimicking brain neoplasms: MR and CT appearance, Michael AS; Levy JM; Paige ML, JCAT 1990; 14: 708
high-signal intraventricular cysticercosis on T1-weighted MR imaging, Spickler EM; Lufkin RB; Teresi L; et al, AJNR 1989; 10: S64
intracranial amebic abscesses: CT and MR findings, Dietz R; Schanen G; Kramann B; et al, JCAT 1991; 15: 168
intraparenchymal cerebral cysticercosis in children, (ab), Mitchell WG; Crawford TO, Radiology 1989; 170: 590
MR imaging in cysticercotic encephalitis, Del Brutto OH; Zenteno MA; Salgado P; et al, AJNR 1989; 10: S18
MR imaging of chronic cerebral paragonimiasis, Kadota T; Ishikura R; Tabuchi Y; et al, AJNR 1989; 10: S21
MR imaging of neurocysticercosis, Teitelbaum GP; Otto RJ; Lin M; et al, AJNR 1989; 10: 709
new plain film finding in cysticercosis, Ruiz ME; Haughton VM, Neuroradiol 1991; 33: 79
role of contrast-enhanced MR imaging in the diagnosis of neurocysticercosis, Chang KH; Lee JH; Han MH; et al, AJNR 1991; 12: 509
role of contrast-enhanced MR imaging in the diagnosis of neurocysticercosis, Chang KH; Lee JH; Han MH; et al, AJR 1991; 157: 393

unusual MR manifestations of neurocysticercosis, Suh DC; Chang KH; Han MH; et al, Neuroradiol 1989; **31:** 396

Brain, perfusion

anisotropic diffusion in human white matter: demonstration with MR techniques in vivo, Chenevert TL; Brunberg JA; Pipe JG, Radiology 1990; **177:** 401

brain perfusion SPECT using an annular single crystal camera: initial clinical experience, Holman BL; Carvalho PA; Zimmerman RE; et al, J Nucl Med 1990; **31:** 1456

early detection of perfusion deficits caused by regional cerebral ischemia in cats: T2-weighted magnetic susceptibility MRI using a nonionic dysprosium contrast agent, Rocklage SM; Moseley ME; Kucharczyk J; et al, Invest Radiol 1990; **25:** S37

echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Friedman D, Radiology 1991; **181:** 605

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Monsein LH, Radiology 1991; **181:** 605

mapping the distribution of amobarbital sodium in the intracarotid Wada test by use of Tc-99m HMPAO with SPECT, Jeffery PJ; Monsein LH; Szabo Z; Hart J; Fisher RS; Lesser RP; Debrun GM; Gordon B; Wagner HN Jr; Camargo EE, Radiology 1991; **178:** 847

measuring random microscopic motion of water in tissues with MR imaging: a cat brain study, Le Bihan D; Moonen CTW; van Zijl PCM; et al, JCAT 1991; **15:** 19

MR imaging of anisotropically restricted diffusion of water in the nervous system: technical, anatomic, and pathologic considerations, Hajnal JV; Doran M; Hall AS; et al, JCAT 1991; **15:** 1

Brain, radiography

localization and measurement of neurotransmitter receptors in rat and human brain by quantitative autoradiography, Ko GN; Wilcox BJ; Petracca FM; et al, Comput Med Imag Graph 1989; **13:** 37

Brain, radionuclide studies

Alzheimer disease: quantitative analysis of I-123–iodoamphetamine SPECT brain imaging, Hellman RS; Tikofsky RS; Collier BD; Hoffmann RG; Palmer DW; Glatt SL; Antuono PG; Isitman AT; Papke RA, Radiology 1989; **172:** 183

Alzheimer's disease: age at onset and single-photon emission computed tomographic patterns of regional cerebral blood flow, (ab), Jagust WJ; Reed BR; Seab JP; et al, Radiology 1991; **178:** 900

Alzheimer's disease in Down's syndrome with SPECT, Rae-Grant AD; Barbour PJ; Sirotta P; et al, Clin Nucl Med 1991; **16:** 509

anatomical localization for PET using MR imaging, Meltzer CC; Bryan RN; Holcomb HH; et al, JCAT 1990; **14:** 418

assessment of brain death in children by means of P-31 MR spectroscopy: preliminary note: work in progress, Kato T; Tokumaru A; O'uchi T; Mikami I; Umeda M; Nose K; Eguchi T; Hasegawa M; Okuyama K, Radiology 1991; **179:** 95

bone scintigraphy in the evaluation of extraskeletal injuries from child abuse, Howard JL; Barron BJ; Smith GG, Radiographics 1990; **10:** 67

brain and brain tumor uptake of L-3-[^{123}I]iodo-α-methyl tyrosine: competition with natural L-amino acids, Langen K-J; Roosen N; Coenen HH; et al, J Nucl Med 1991; **32:** 1225

brain imaging in acquired immunodeficiency syndrome dementia complex, Kramer EL; Sanger JJ, Semin Nucl Med 1990; **20:** 353

brain perfusion is abnormal in cocaine-dependent polydrug users: a study using technetium-99m-HMPAO and ASPECT, Holman BL; Carvalho PA; Mendelson J; et al, J Nucl Med 1991; **32:** 1206

brain perfusion SPECT in a cerebellar infarction, Moriarty JA; Carvalho PdA; Holman BL, JCAT 1990; **14:** 821

brain single photon emission computed tomography: newer activation and intervention studies, Tikofsky RS; Hellman RS, Semin Nucl Med 1991; **21:** 40

brain SPECT imaging in temporal lobe epilepsy, Krausz Y; Cohen D; Konstantini S; et al, Neuroradiol 1991; **33:** 274

brain SPECT imaging with Tc-99m HM-PAO in Creutzfeld-Jakob disease, Cohen D; Krausz Y; Lossos A; et al, Clin Nucl Med 1989; **14:** 808

brain SPECT imaging with Tc-99m HMPAO in ophthalmoplegia plus, Grünwald F; Zierz S; Broich K; et al, Clin Nucl Med 1991; **16:** 20

bullseye display of regional perfusion of the brain, Greyson ND; Wilmot DM; Wilmot JE, Clin Nucl Med 1991; **16:** 149

cerebral abnormalities in cocaine abusers: demonstration by SPECT perfusion brain scintigraphy. work in progress, Tumeh SS; Nagel JS; English RJ; Moore M; Holman BL, Radiology 1990; **176:** 821

cerebral circulation in cases of carotid cavernous fistula: findings of single photon emission computed tomography, Watanabe A; Ishii R; Suzuki Y; et al, Neuroradiol 1990; **32:** 108

cerebral hypoxic injury detected by Tc-HMPAO SPECT, Lee A; Mena IG; Miller B, Clin Nucl Med 1989; **14:** 482

cerebral infarct after aneurysm clipping: complementary role of computed tomography and functional brain scan, Timmons JH; Heironimus JD, Clin Nucl Med 1991; **16:** 367

cerebral infarction: diagnosis and assessment of prognosis by using ^{123}I MP-SPECT and CT, Hayman LA; Taber KH; Jhingran SG; et al, AJNR 1989; **10:** 557

cerebral metabolism of L-[2-^{18}F]fluorotyrosine, a new PET tracer of protein synthesis, Coenen HH; Kling P; Stöcklin G, J Nucl Med 1989; **30:** 1367

cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P, Radiology 1990; **175:** 111

cerebral perfusion abnormalities in therapy-resistant epilepsy in mentally retarded pediatric patients: comparison between EEG, x-ray CT, and Tc-99m HMPAO, Abdel-Dayem HM; Nawaz MK; Hassoon MM; et al, Clin Nucl Med 1991; **16:** 557

cerebral perfusion changes in schizophrenic patients using Tc-99m hexamethylpropylene amineoxime (HMPAO), Abdel-Dayem HM; El-Hilu S; Sehweil A; et al, Clin Nucl Med 1990; **15:** 468

cerebral perfusion imaging with technetium-99m HMPAO following cerebral trauma: initial experience, Reid RH; Gulenchyn KY; Ballinger JR; et al, Clin Nucl Med 1990; **15:** 383

cerebral perfusion imaging with technetium-99m HM-PAO in brain death and severe central nervous system injury, Laurin NR; Driedger AA; Hurwitz GA; et al, J Nucl Med 1989; **30:** 1627

change of accumulation and filling pattern in evolution of cerebral infarction with I-123 IMP brain SPECT, Hayashida K; Nishimura T; Imakita S; et al, Neuroradiol 1991; **33:** 9

characterization of technetium-99m-L,L-ECD for brain perfusion imaging, part 1: pharmacology of technetium-99m ECD in nonhuman primates, Walovitch RC; Hill TC; Garrity ST; et al, J Nucl Med 1989; **30:** 1892

characterization of technetium-99m-L,L-ECD for brain perfusion imaging, part 2: biodistribution and brain imaging in humans, Léveillé J; Demonceau G; De Roo M; et al, J Nucl Med 1989; **30:** 1902

clinical application of three-dimensional surface display in brain imaging with Tc-99m HMPAO, Ishimura J; Fukuchi M, Clin Nucl Med 1991; **16:** 343

clinical evaluation of a high-resolution (2.6-mm) positron emission tomograph, Valk PE; Jagust WJ; Derenzo SE; Huesman RH; Geyer AB; Budinger TF, Radiology 1990; **176:** 783

clinical SPRINT imaging: preliminary results compared to conventional SPECT brain scanning using Tc-99m HMPAO, Mountz JM; Rogers WL; Wilson MW; et al, Clin Nucl Med 1991; **16:** 562

clinical use of technetium-99m HM-PAO for determination of brain death, Reid RH; Gulenchyn KY; Ballinger JR, J Nucl Med 1989; **30:** 1621

coexistence of Alzheimer's disease and multi-infarct dementia diagnosed by functional brain imaging with SPECT, Timmons JH; Heironimus JD, Clin Nucl Med 1990; **15:** 266

coexistence of cerebral infarct and arterovenous malformation demonstrated by Tc-99m HMPAO and Tc-99m RBC SPECT imaging, Gini A; Holmes RA, Clin Nucl Med 1989; **14:** 303

comparative study of regional cerebral blood flow images by SPECT using xenon-133, iodine-123 IMP, and technetium-99m HM-PAO, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; **30:** 157

comparison of CT, MR, and PET in Alzheimer's dementia and normal aging, Fazekas F; Alavi A; Chawluk JB; et al, J Nucl Med 1989; **30:** 1607

complex partial epilepsy: the role of neuroimaging in localizing a seizure focus for surgical intervention, Gzesh D; Goldstein S, J Nucl Med 1990; **31:** 1839

computer-assisted superimposition of magnetic resonance and high-resolution technetium-99m-HMPAO and thallium-201 SPECT images of the brain, Holman BL; Zimmerman RE; Johnson KA; et al, J Nucl Med 1991; **32:** 1478

correlation methods for the centering, rotation, and alignment of functional brain images, Junck L; Moen JG; Hutchins GD; et al, J Nucl Med 1990; **31:** 1220

"CORT-EX:" a program for quantitative analysis of brain SPECT data, Lamoureux G; Dupont RM; Ashburn WL; et al, J Nucl Med 1990; **31:** 1862

current and future radiopharmaceuticals for brain imaging with single photon emission computed tomography, Kung HF; Ohmomo Y; Kung M-P, Semin Nucl Med 1990; **20:** 290

differential diagnosis of bilateral parietal abnormalities in I-123 IMP SPECT imaging, Kuwabara Y; Ichiya Y; Otsuka M; et al, Clin Nucl Med 1990; **15:** 893

does the washout phenomenon of Tc-99m HM-PAO correlate to the "filling-in" phenomenon of I-123 IMP with brain SPECT?, Hayashida K; Nishimura T; Imakita S; et al, Neuroradiol 1990; **32:** 196

epilepsy, Fisher RS; Frost JJ, J Nucl Med 1991; **32:** 651

evaluation of elastic matching system for anatomic (CT, MR) and functional (PET) cerebral images, Dann R; Hoford J; Kovačič S; et al, JCAT 1989; **13:** 603

evolution of technetium-99m-HMPAO SPECT and brain mapping in a patient presenting with echolalia and palilalia, Dierckx RA; Saerens J; De Deyn PP; et al, J Nucl Med 1991; **32:** 1619

filling out phenomenon with technetium-99m HM-PAO brain SPECT at the site of mild cerebral ischemia, Hayashida K; Nishimura T; Imakita S; et al, J Nucl Med 1989; **30:** 591

focal epilepsies: HM-PAO SPECT compared with CT, MR, and EEG, Cordes M; Christe W; Henkes H; et al, JCAT 1990; **14:** 402

focal high uptake of HM-PAO in brain perfusion studies: a clue in the diagnosis of encephalitis, Meyer MA; Wahner HW, J Nucl Med 1990; **31:** 1094

functional brain imaging in the evaluation of psychiatric illness, Van Heertum RL; O'Connell RA, Semin Nucl Med 1991; **21:** 24

functional imaging of brain maturation in humans using iodine-123 iodoamphetamine and SPECT, Rubinstein M; Denays R; Ham HR; et al, J Nucl Med 1989; **30:** 1982

glycolysis: link between PET and proton MR spectroscopic studies of the brain, Lear JL, Radiology 1990; **174:** 328

hemangiomas of the skull on radionuclide brain imaging, Chandramouly BS; Scagnelli T; Sheth D, Clin Nucl Med 1989; **14:** 132

hereditary cerebral hemorrhage with amyloidosis—Dutch type: Tc-99m HM-PAO single photon emission computed tomography, Haan J; van Kroonenburgh MJPG; Algra PR; et al, Neuroradiol 1990; **32:** 142

HIPDM-SPECT brain imaging in the presurgical evaluation of patients with intractable seizures, Shen W; Lee BI; Park H-M; et al, J Nucl Med 1990; **31:** 1280

HMPAO-SPECT imaging resembling Alzheimer-type dementia in mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes (MELAS), Grünwald F; Zierz S; Broich K; et al, J Nucl Med 1990; **31:** 1740

hollow skull: a sign of brain death in Tc-99m HM-PAO brain scintigraphy, Abdel-Dayem HM; Bahar RH; Sigurdsson GH; et al, Clin Nucl Med 1989; **14:** 912

I-123 HIPDM planar brain images demonstrating crossed cerebellar diaschisis, Shih W-J; Coupal JJ; Magoun S; et al, Clin Nucl Med 1990; **15:** 34

imaging histamine H1 receptors in the living human brain with carbon-11-pyrilamine, Villemagne VL; Dannals RF; Sánchez-Roa PM; et al, J Nucl Med 1991; **32:** 308

imaging of brain function: positron emission tomography, single-photon emission computed tomography, and some prospects for magnetic resonance, Potchen EJ; Potchen MJ, Invest Radiol 1991; **26:** 258

increased accumulation of N-isopropyl-p-(^{123}I)-iodoamphetamine intwo cases with mitochondrial encephalomyopathy with lactic acidosis and strokelike episodes (MELAS), Morita K; Ono S; Fukunaga M; et al, Neuroradiol 1989; **31:** 358

increased rCBF in gray matter heterotopias detected by SPECT using ^{99m}Tc hexamethyl-propylenamine oxime, Henkes H; Hosten N; Cordes M; et al, Neuroradiol 1991; **33:** 310

indium-111-granulocyte scintigraphy in brain abscess diagnosis: limitations and pitfalls, Schmidt KG; Rasmussen JW; Frederiksen PB; et al, J Nucl Med 1990; **31:** 1121

initial experience with SPECT imaging of the brain using I-123 p-iodoamphetamine in focal epilepsy, LaManna MM; Sussman NM; Harner RN; et al, Clin Nucl Med 1989; **14:** 428

instrumentation and computers for brain single photon emission computed tomography, Croft BY, Semin Nucl Med 1990; **20:** 281

iodoamphetamine-123 brain imaging demonstrating cortical deactivation in a patient with progressive supranuclear palsy, Timmons JH; Bonikowski FW; Hartshorne MF, Clin Nucl Med 1989; **14:** 841

iofetamine I 123 single photon emission computed tomography is accurate in the diagnosis of Alzheimer's disease, (ab), Johnson KA; Holman BL; Rosen TJ; et al, Radiology 1990; **177:** 295

isotope cisternography with indium-111 DTPA in a patient with nearly no intellectual deficits and extensive hydrocephalus, Grünwald F; Schalnus R, Clin Nucl Med 1990; **15:** 352

lacrimal gland dosimetry for the brain imaging agent technetium-99m-HMPAO, Villanueva-Meyer J; Thompson D; Mena I; et al, J Nucl Med 1990; **31:** 1237

letter to the editor, Abdel-Dayem HM; Elgazzar AH, Radiographics 1989; **9:** 650

L-methionine uptake by human cerebral cortex: maturation from infancy to old age, O'Tuama LA; Phillips PC; Smith QR; et al, J Nucl Med 1991; **32:** 16

measurements of glucose phosphorylation with FDG and PET are not reduced by dephosphorylation of FDG-6-phosphate, Kuwabara H; Gjedde A, J Nucl Med 1991; **32:** 692

metabolic asymmetries in asymptomatic HIV-1 seropositive subjects: relationship to disease onset and MRI findings, Pascal S; Resnick L; Barker WW; et al, J Nucl Med 1991; **32:** 1725

mitochondrial encephalomyopathy (MELAS) with mental disorder: CT, MRI and SPECT findings, Suzuki T; Koizumi J; Shiraishi H; et al, Neuroradiol 1990; **32:** 74

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

new apparatus for brain imaging: four-head rotating gamma camera single-photon emission computed tomograph, Kimura K; Hashikawa K; Etani H; et al, J Nucl Med 1990; **31:** 603

new technetium 99m-labeled brain perfusion imaging agents, Kung HF, Semin Nucl Med 1990; **20:** 150

N-isopropyl-*p*-[^{123}I]iodoamphetamine SPECT in MELAS syndrome: comparison with CT and MR imaging, Satoh M; Ishikawa N; Yoshizawa T; et al, JCAT 1991; **15:** 77

noninvasive functional brain mapping by change-distribution analysis of averaged PET images of $H_2{}^{15}O$ tissue activity, Fox PT; Mintun MA, J Nucl Med 1989; **30:** 141

nuclear medicine. RSNA '89 meeting notes, Mettler FA Jr; Hartshorne MF; Miller TR; Spies WG; Tumeh SS, Radiology 1990; **174:** 607

nuclear medicine. RSNA '90 meeting notes, Mettler FA Jr; Miller TR; Spies WG, Radiology 1991; **178:** 601

PET, CT, and MRI in the evaluation of neuropsychiatric disorders: current applications, Jolles PR; Chapman PR; Alavi A, J Nucl Med 1989; **30:** 1589

positron emission tomography of the brain, Jamieson DG; Greenberg JH, Comput Med Imag Graph 1989; **13:** 61

postinjection L-phenylalanine increases basal ganglia contrast in PET scans of 6-^{18}F-DOPA, Doudet DJ; McLellan CA; Aigner TG; et al, J Nucl Med 1991; **32:** 1408

potential value of serial cerebral SPECT scanning in the evaluation of psychiatric illness, Notardonato H; Gonzalez-Avilez A; Van Heertum RL; et al, Clin Nucl Med 1989; **14:** 319

prominent cisterna magna: Tc-99m HMPAO and MRI correlation, Spiegler EJ; Ratliff C Jr, Clin Nucl Med 1991; **16:** 452

quantitative comparison of cerebral glucose metabolic rates from two positron emission tomographs, Grady CL; Berg G; Carson RE; et al, J Nucl Med 1989; **30:** 1386

quantitative I-123-IMP brain SPECT and neuropsychological testing in AIDS dementia, Kuni CC; Rhame FS; Meier MJ; et al, Clin Nucl Med 1991; **16:** 174

quantitative iodine-123 IMP imaging of brain perfusion in schizophrenia, Cohen MB; Lake RR; Graham LS; et al, J Nucl Med 1989; **30:** 1616

radiopharmaceutical factors in the variable quality of [^{99m}Tc]HM-PAO images of the brain, Ballinger JR; Gulenchyn KY; Reid RH, J Nucl Med 1990; **31:** 118

rCBF-SPECT in brain infarction: when does it predict outcome?, Limburg M; van Royen EA; Hijdra A; et al, J Nucl Med 1991; **32:** 382

reference system for neuroanatomical localization on functional reconstructed cerebral images, Wilson MW; Mountz JM, JCAT 1989; **13:** 174

regional brain blood flow in congenital dysphasia: studies with technetium-99m HM-PAO SPECT, Denays R; Tondeur M; Foulon M; et al, J Nucl Med 1989; **30:** 1825

regional dynamics of N-isopropyl-(I^{123})*p*-iodoamphetamine in human brain, Nishizawa S; Tanada S; Yonekura Y; et al, J Nucl Med 1989; **30:** 150

reversal of brain metabolic abnormalities following treatment of AIDS dementia complex with 3'-azido-2',3'-dideoxythymidine (AZT, zidovudine): a PET-FDG study, Brunetti A; Berg G; Di Chiro G; et al, J Nucl Med 1989; **30:** 581

ringlike uptake of [^{18}F]FDG in brain abscess: a PET study, Sasaki M; Ichiya Y; Kuwabara Y; et al, JCAT 1990; **14:** 486

role of fast data acquisition method with Tc-99m HMPAO brain SPECT in patients with acute stroke, Oshima M; Tadokoro M; Makino N; et al, Clin Nucl Med 1990; **15:** 172

role of In-111 labeled leukocyte scintigraphy in the diagnosis of intracerebral lesions, Palestro CJ; Swyer AJ; Kim CK; et al, Clin Nucl Med 1991; **16:** 305

scintigraphic demonstration of a soft tissue cavernous hemangioma with Valsalva maneuver, Veluvolu P; Daniels DL; Collier BD; et al, Clin Nucl Med 1990; **15:** 865

scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans, Nagel JS; Ichise M; Holman BL, Semin Nucl Med 1991; **21:** 11

sensitivity of measurements of regional brain activation with oxygen-15-water and PET to time of stimulation and period of image reconstruction, Volkow ND; Mullani N; Gould LK; et al, J Nucl Med 1991; **32:** 58

single photon emission computed tomography in epilepsy, Devous MD Sr; Leroy RF; Homan RW, Semin Nucl Med 1990; **20:** 325

single-photon emission computed tomography in human immunodeficiency virus encephalopathy: a preliminary report, Masdeu JC; Yudd A; Van Heertum L; et al, J Nucl Med 1991; **32:** 1471

single photon tomography in Alzheimer's disease and the dementias, Bonte FJ; Hom J; Tintner R; et al, Semin Nucl Med 1990; **20:** 342

SPECT evaluation of brain perfusion reserve by the acetazolamide test using Tc-99m HMPAO, Matsuda H; Higashi S; Kinuya K; et al, Clin Nucl Med 1991; **16:** 57

SPECT imaging of the benzodiazepine receptor: feasibility of in vivo potency measurements from stepwise displacement curves, Innis RB; Al-Tikriti MS; Zoghbi SS; et al, J Nucl Med 1991; **32:** 1754

strategy for the study of cerebral amino acid transport using iodine-123-labeled amino acid radiopharmaceutical: 3-iodo-alpha-methyl-L-tyrosine, Kawai K; Fujibayashi Y; Saji H; et al, J Nucl Med 1991; **32:** 819

studies of central nervous system disorders with single photon emission computed tomography and positron emission tomography: evolution over the past 2 decades, Alavi A; Hirsch LJ, Semin Nucl Med 1991; **21:** 58

subacute and chronic cerebral infarctions: SPECT and gadolinium-DTPA enhanced MR imaging, Cordes M; Henkes H; Roll D; et al, JCAT 1989; **13:** 567

Tc-99m HMPAO brain perfusion tomography atlas using a high resolution SPECT system, Matsuda H; Oskoie SD; Kinuya K; et al, Clin Nucl Med 1990; **15:** 428

Tc-99m HMPAO SPECT of the brain in a patient with striopallidodentate calcifications, Dierckx R; Jorens PG; Appel B; et al, Clin Nucl Med 1991; **16:** 439

Tc-99m HMPAO SPECT of the brain in the neonate, Fockele DS; Baumann RJ; Shih W-J; et al, Clin Nucl Med 1990; **15:** 175

Tc-99m HMPAO to demonstrate diffuse cortical necrosis in vivo, McEwan AJB; Jackson FI; Catz Z; et al, Clin Nucl Med 1991; **16:** 167

^{99}Tc^{m}-HMPAO single photon emission computed tomography in partial epilepsy: a preliminary report, Smith DF; Smith FW; Knight RSG; et al, Br J Radiol 1989; **62:** 970

technetium-99m ECD: a new brain imaging agent: in vivo kinetics and biodistribution studies in normal human subjects, Vallabhajosula S; Zimmerman RE; Picard M; et al, J Nucl Med 1989; **30:** 599

technetium-99m-HMPAO brain SPECT in medically intractable temporal lobe epilepsy: a postoperative evaluation, Grünwald F; Durwen HF; Bockisch A; et al, J Nucl Med 1991; **32:** 388

technetium-99m HMPAO imaging in Sturge-Weber syndrome, Ton-That QT; Picard D; Bissoon-Doyal D; et al, Clin Nucl Med 1990; **15:** 178

temporal changes in accumulation of N-isopropyl-*p*-iodoamphetamine in human brain: relation to lung clearance, Yonekura Y; Fujita T; Nishizawa S; et al, J Nucl Med 1989; **30:** 1977

thallium-201 accumulation in cerebral candidiasis: unexpected finding on SPECT, Tonami N; Matsuda H; Ooba H; et al, Clin Nucl Med 1990; **15:** 397

three-dimensional alignment of functional and morphological tomograms, Pietrzyk U; Herholz K, Heiss W-D, JCAT 1990; **14:** 51

visual and quantitative analysis of interictal SPECT with technetium-99m-HMPAO in temporal lobe epilepsy, Rowe CC; Berkovic SF; Austin MC; et al, J Nucl Med 1991; **32:** 1688

watershed infarcts, Tc-99m HMPAO SPECT and CT correlation: case reports, Sullivan T; Villanueva-Meyer J; Liu C-K; et al, Clin Nucl Med 1991; **16:** 170

white matter hyperintensities may correspond to areas of increased blood volume: correlative MR and PET observations, Yamauchi H; Fukuyama H; Harada K; et al, JCAT 1990; **14:** 905

Brain, size

See Brain, volume

Brain, surgery

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

cerebellorubral degeneration after resection of cerebellar dentate nucleus neoplasms: evaluation with MR imaging, Bontozoglou NP; Chakeres DW; Martin GF; Brogan MA; McGhee RB, Radiology 1991; **180:** 223

cranial postoperative site: assessment with contrast-enhanced MR imaging, Elster AD; DiPersio DA, Radiology 1990; **174:** 93

EEG scalp electrode projection onto three-dimensional surface rendered images of the brain, Jack CR Jr; Marsh WR; Hirschorn KA; Sharbrough FW; Cascino GD; Karwoski RA; Robb RA, Radiology 1990; **176:** 413

methodology of "in vivo" anatomical study and stereo-electroencephalographic exploration in brain surgery for epilepsy, Musolino A; Tournoux P; Missir O; et al, J Neuroradiol 1990; **17:** 67

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

shielding requirements on-site loading and acceptance testing of the Leksell gamma knife, Maitz AH; Lunsford LD; Wu A; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 469

technical note: enhanced MR-guided stereotaxic brain surgery with the patient under general anesthesia, Andoh K; Nakamae H; Ohkoshi T; et al, AJNR 1991; **12:** 135

Brain, US

abnormal US appearance of the cerebellum (banana sign): indirect sign of spina bifida, Benacerraf BR; Stryker JM; Frigoletto FD Jr, Radiology 1989; **171:** 151

Alexander's disease: cranial MRI and ultrasound findings, Schuster V; Horwitz AE; Kreth HW, Pediatr Radiol 1991; **21:** 133

cerebellar dimensions in assessment of gestational age in neonates, Co E; Raju TNK; Aldana O, Radiology 1991; **181:** 581

cerebral ultrasound images in prenatal cytomegalovirus infection, Tomà P; Magnano GM; Mezzano P; et al, Neuroradiol 1989; **31:** 278

color Doppler US imaging during pediatric neurosurgical and neuroradiologic procedures, Barr LL; Babcock DS; Crone KR; Berger TS; Ball WS; Prenger EC, Radiology 1991; **181:** 567

detection of fetal central nervous system anomalies: a practical level of effort for a routine sonogram, Filly RA; Cardoza JD; Goldstein RB; Barkovich AJ, Radiology 1989; **172:** 403

diagnosis of brain death by transcranial Doppler sonography, (ab), Bode H; Sauer M; Pringsheim W, Radiology 1989; **172:** 294

Dopplersonographic classification of brain edema in infants, Deeg KH; Rupprecht T; Zeilinger G, Pediatr Radiol 1990; **20:** 509

duplex pulsed Doppler US versus intracranial pressure in the neonate: clinical and experimental studies, Seibert JJ; McCowan TC; Chadduck WM; Adametz JR; Glasier CM; Williamson SL; Taylor BJ; Leithiser RE Jr; McConnell JR; Stansell CA; Rodgers AB; Corbitt SL, Radiology 1989; **171:** 155

effacement of the fetal cisterna magna in association with myelomeningocele, Goldstein RB; Podrasky AE; Filly RA; Callen PW, Radiology 1989; **172:** 409

extensive cystic leucomalacia: correlation of cranial ultrasound, magnetic resonance imaging and clinical findings in sequential studies, de Vries LS; Dubowitz LMS; Pennock JM; et al, Clin Radiol 1989; **40:** 158

fetal cisterna magna septa: a normal anatomic finding, Knutzon RK; McGahan JP; Salamat MS; Brant WE, Radiology 1991; **180:** 799

fetal ventricle: importance in routine obstetric sonography, Filly RA; Goldstein RB; Callen PW, Radiology 1991; **181:** 1

focal areas of increased echogenicity within the brain, Slovis TL; Shkolnik A; Haller JO, J Ultrasound Med 1989; **8:** 31

giant subdural empyema in an infant: sonographic observations, Raghav B; Goulatia RK; Gupta AK; et al, Neuroradiol 1990; **32:** 154

intracerebral arteriovenous malformations: intraoperative color Doppler flow imaging, Rubin JM; Hatfield MK; Chandler WF; Black KL; DiPietro MA, Radiology 1989; **170:** 219

linear areas of echogenicity in the thalami and basal ganglia of neonates: an expanded association: work in progress, Hughes P; Weinberger E; Shaw DWW, Radiology 1991; **179:** 103

mild lateral cerebral ventricular dilatation in utero: clinical significance and prognosis, Goldstein RB; La Pidus AS; Filly RA; Cardoza J, Radiology 1990; **176:** 237

MR and ultrasound findings in a case of cerebro-oculo-muscular-syndrome, Simma B; Felber S; Maurer H; et al, Pediatr Radiol 1990; **20:** 554

neonatal posterior fossa haemorrhage: a difficult ultrasound diagnosis, de Campo M, Australas Radiol 1989; **33:** 150

pericerebral fluid collections and ultrasound, Veyrac C; Couture A; Baud C, Pediatr Radiol 1990; **20:** 236

periventricular echodensities detected by cranial ultrasonography: usefulness in predicting neurodevelopmental outcome in low-birth-weight, preterm infants, (ab), Bennett FC; Silver G; Leung EJ; et al, Radiology 1990; **176:** 885

quantification of neonatal cerebral ventricular volume by real-time ultrasonography: derivation and in vitro confirmation of a mathematical model, Brann BS IV; Wofsy C; Wicks J; et al, J Ultrasound Med 1990; **9:** 1

quantification of neonatal cerebral ventricular volume by real-time ultrasonography: in vivo validation of the cylindrical coordinate method, Brann BS IV; Wofsy C; Papile L; et al, J Ultrasound Med 1990; **9:** 9

recommendations for obstetric sonography in the evaluation of the fetal cranium, Nyberg DA, Radiology 1989; **172:** 309

serial imaging of Menkes disease, Ichihashi K; Yano S; Kobayashi S; et al, Neuroradiol 1990; **32:** 56

sonographic evaluation of experimental hydrocephalus in kittens, Wolfson BJ; McAllister JP II; Lovely TJ; et al, AJNR 1989; **10:** 1065

sonographic finding of ventricular asymmetry in neonatal brain, (ab), Shen EY; Huang FY, Radiology 1990; **175:** 591

transperineal US: alternative technique to improve visualization of the presenting fetal part, Weber TM; Hertzberg BS; Bowie JD, Radiology 1991; **179:** 747

Brain, volume

analysis of brain and cerebrospinal fluid volumes with MR imaging: impact on PET data correction for atrophy: part II. aging and Alzheimer dementia, Tanna NK; Kohn MI; Horwich DN; Jolles PR; Zimmerman RA; Alves WM; Alavi A, Radiology 1991; **178:** 123

anterior temporal lobes and hippocampal formations: normative volumetric measurements from MR images in young adults, Jack CR Jr; Twomey CK; Zinsmeister AR; Sharbrough FW; Petersen RC; Cascino GD, Radiology 1989; **172:** 549

computerized volume measurement of brain structure, Ashtari M; Zito JL; Gold BI; et al, Invest Radiol 1990; **25:** 798

fetal ventricle: importance in routine obstetric sonography, Filly RA; Goldstein RB; Callen PW, Radiology 1991; **181:** 1

measurement of brain compartment volumes in MR using voxel composition calculations, Hillman GR; Kent TA; Kaye A; et al, JCAT 1991; **15:** 640

senile dementia and healthy aging: a longitudinal CT study, Wippold FJ II; Gado MH; Morris JC; Duchek JM; Grant EA, Radiology 1991; **179:** 215

temporal lobe seizures: lateralization with MR volume measurements of the hippocampal formation, Jack CR Jr; Sharbrough FW; Twomey CK; Cascino GD; Hirschorn KA; Marsh WR; Zinsmeister AR; Scheithauer B, Radiology 1990; **175:** 423

unbiased and efficient estimation of total ventricular volume of the brain obtained from CT-scans by a stereological method, Pakkenberg B; Boesen J; Albeck M; et al, Neuroradiol 1989; **31:** 413

volumetric quantification of brain volume in children using sequential CT scans, Hamano K; Iwasaki N; Kawashima K; et al, Neuroradiol 1990; **32:** 300

Brain, white matter

abnormal signal in deep white-matter infarction, Barnes D, Radiology 1989; **170:** 279

abnormal signal in deep white-matter infarction: reply, Bradley WG Jr; Marshall VG, Radiology 1989; **170:** 280

adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T, Radiology 1991; **180:** 229

age-related changes in cerebral white matter measured by computed cranial tomography, Fukuda H; Kobayashi S; Koide H; et al, Comput Med Imag Graph 1990; **14:** 79

anisotropic diffusion in human white matter: demonstration with MR techniques in vivo, Chenevert TL; Brunberg JA; Pipe JG, Radiology 1990; **177:** 401

association of deep white matter infarction with chronic communicating hydrocephalus: implications regarding the possible origin of normal-pressure hydrocephalus, Bradley WG Jr; Whittemore AR; Watanabe AS; et al, AJNR 1991; **12:** 31

asymptomatic and neurologically symptomatic HIV-seropositive individuals: prospective evaluation with cranial MR imaging, Post MJD; Berger JR; Quencer RM, Radiology 1991; **178:** 131

cholesterol of myelin is the determinant of gray-white contrast in MRI of brain, Koenig SH, Magn Res Med 1991; **20:** 285

chronic communicating hydrocephalus and periventricular white matter disease: a debate with regard to cause and effect, George AE, AJNR 1991; **12:** 42

controversy of the periventricular white matter circulation: a review of the anatomic literature, Mayer PL; Kier EL, AJNR 1991; **12:** 223

differentiation of experimental white matter lesions using multiparametric magnetic resonance measurements, Zamaroczy D; Schluesener HJ; Jolesz FA; et al, Invest Radiol 1991; **26:** 317

diffusion/perfusion MR imaging of the brain: from structure to function, Le Bihan D, Radiology 1990; **177:** 328

diffusion-weighted MR imaging of anisotropic water diffusion in cat central nervous system, Moseley ME; Cohen Y; Kucharczyk J; Mintorovitch J; Asgari HS; Wendland MF; Tsuruda J; Norman D, Radiology 1990; **176:** 439

encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA, Radiology 1990; **175:** 185

identification of pre- and postcentral gyri on CT and MR images on the basis of the medullary pattern of cerebral white matter, Iwasaki S; Nakagawa H; Fukusumi A; Kichikawa K; Kitamura K; Otsuji H; Uchida H; Ohishi H; Yaguchi K; Sumie H; Kuru Y, Radiology 1991; **179:** 207

impact of section doubling on lesion contrast, Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L, Radiology 1991; **180:** 123

leukoaraiosis: correlation of MR and CT findings with blood flow, atrophy, and cognition, Kobari M; Meyer JS; Ichijo M; et al, AJNR 1990; **11:** 273

marked cerebrospinal fluid void: indicator of successful shunt in patients with suspected normal-pressure hydrocephalus, Bradley WG Jr; Whittemore AR; Kortman KE; Watanabe AS; Homyak M; Teresi LM; Davis SJ, Radiology 1991; **178:** 459

membranous lipodystrophy: MR imaging appearance of the brain, Araki T; Ohba H; Monzawa S; Sakuyama K; Hachiya J; Seki T; Takahashi Y; Yamaguchi M, Radiology 1991; **180:** 793

MR appearance of gray and white matter at the cervicomedullary region, Ho PSP; Yu S; Czervionke LF; et al, AJNR 1989; **10:** 1051

MR findings in leukodystrophy, Demaerel P; Faubert C; Wilms G; et al, Neuroradiol 1991; **33:** 368

MRI in Cockayne syndrome type I, Boltshauser E; Yalcinkaya C; Wichmann W; et al, Neuroradiol 1989; **31:** 276

MR imaging of the central nervous system in divers, Rinck PA; Svihus R; de Francisco P, JMRI 1991; **1:** 293

MR imaging of white matter lesions in uncomplicated chronic alcoholism, Gallucci M; Amicarelli I; Rossi A; et al, JCAT 1989; **13:** 395

normal and abnormal white matter tracts shown by MR imaging using directional diffusion weighted sequences, Doran M; Hajnal JV; Van Bruggen N; et al, JCAT 1990; **14:** 865

osteogenic sarcoma: MR signal abnormalities of the brain in asymptomatic patients treated with high-dose methotrexate, Lien HH; Blomlie V; Saeter G; Solheim Ø; Fosså SD, Radiology 1991; **179:** 547

patchy cerebral white matter edema in chronic renal failure, Anlar B; Erzen C; Saatci U, Pediatr Radiol 1989; **19:** 444

Pelizaeus-Merzbacher disease: contribution of magnetic resonance imaging to an early diagnosis, André M; Monin P; Moret C; et al, J Neuroradiol 1990; **17:** 216

phenylketonuria: MR imaging of the brain with clinical correlation, Pearsen KD; Gean-Marton AD; Levy HL; Davis KR, Radiology 1990; **177:** 437

precise relaxation time measurements of normal-appearing white matter in inflammatory central nervous system disease, Miller DH; Johnson G; Tofts PS; et al, Magn Res Med 1989; **11:** 331

reversal of white matter edema in hypertensive encephalopathy, Gibby WA; Stecker MM; Goldberg HI; et al, AJNR 1989; **10:** S78

search of human telencephalic ventriculofugal arteries, Nelson MD Jr; Gonzalez-Gomez I; Gilles FH, AJNR 1991; **12:** 215

T1 and T2 relaxation time estimates in the normal human brain, Agartz I; Sääf J; Wahlund L-O; Wetterberg L, Radiology 1991; **181:** 537

transient white matter changes on MR images in children undergoing chemotherapy for acute lymphocytic leukemia: correlation with neuropsychologic deficiencies, Wilson DA; Nitschke R; Bowman ME; Chaffin MJ; Sexauer CL; Prince JR, Radiology 1991; **180:** 205

uncommon longitudinal relaxation dispersion of human brain white matter, Fischer HW; Van Haverbeke Y; Schmitz-Feuerhake I; et al, Magn Res Med 1989; **9:** 441

value of T1-weighted images in the differentiation between MS, white matter lesions, and subcortical arteriosclerotic encephalopathy (SAE), Uhlenbrock D; Sehlen S, Neuroradiol 1989; **31:** 203

white matter lesions and normal-pressure hydrocephalus: Binswanger disease or Hakim syndrome?, Román GC, AJNR 1991; **12:** 40

white matter lesions: role of spin density in MR imaging, Geis JR; Hendrick RE; Lee S; Davis KA; Thickman D, Radiology 1989; **170:** 863

Brain neoplasms

See also Meninges, neoplasms

adult infratentorial tumors, Bilaniuk LT, Semin Roentgenol 1990; **25:** 155

adult supratentorial tumors, Atlas SW, Semin Roentgenol 1990; **25:** 130

cerebellar gliosarcoma: report of a probable radiation-induced neoplasm, Beute BJ; Fobben ES; Hubschmann O; et al, AJNR 1991; **12:** 554

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral ganglioglioma and neurofibromatosis type I: case report and review of the literature, Parizel PM; Martin J-J; Van Vyve M; et al, Neuroradiol 1991; **33:** 357

complementary roles of PET and MR spectroscopy in the management of brain tumors, Alavi A; Alavi JB; Lenkinski RE, Radiology 1990; **177:** 617

general case of the day, Vezina JL; Tampieri D, Radiographics 1990; **10:** 364

granular cell tumor (choristoma) of the neurohypophysis: two cases and a review of the literature, Cone L; Srinivasan M; Romanul FCA, AJNR 1990; **11:** 403

human cerebral gliomas: correlation of postmortem MR imaging and neuropathologic findings, Johnson PC; Hunt SJ; Drayer BP, Radiology 1989; **170:** 211

imaging of intrasellar, suprasellar, and parasellar tumors, Zimmerman RA, Semin Roentgenol 1990; **25:** 174

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intracranial chondrosarcoma in a patient with Ollier's disease, Clifton AG; Kendall BE; Crockard HA; et al, Br J Radiol 1991; **64:** 633

intracranial epidermoid tumors: a continuing diagnostic challenge, (ab), Panagopoulos KP; El-Azouzi M; Chisholm HL; et al, Radiology 1991; **178:** 900

intracranial oligodendrogliomas: imaging findings in 35 untreated cases, Lee Y-Y; Van Tassel P, AJNR 1989; **10:** 119

long-term survival after malignant glioma: a clinical and histopathological study on the accuracy of the diagnosis in a population-based cancer register, Ullén H; Mattsson B; Collins VP, Acta Oncol 1990; **29:** 875

metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET, Alger JR; Frank JA; Bizzi A; Fulham MJ; DeSouza BX; Duhaney MO; Inscoe SW; Black JL; van Zijl PCM; Moonen CTW; Di Chiro G, Radiology 1990; **177:** 633

MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD, JMRI 1991; **1:** 469

neurocytoma accompanied by intraventricular hemorrhage: case report and literature review, Smoker WRK; Townsend JJ; Reichman MV, AJNR 1991; **12:** 765

new approach of brain tumors: the cytogenetic study, Vagner-Capodano AM; Hairion D; Gambarelli D; et al, J Neuroradiol 1991; **18:** 107

noninvasive differentiation of tumors with use of localized H-1 MR spectroscopy in vivo: initial experience in patients with cerebral tumors, Bruhn H; Frahm J; Gyngell ML; Merboldt KD; Hänicke W; Sauter R; Hamburger C, Radiology 1989; **172:** 541

optic gliomas in children with neurofibromatosis type 1, (ab), Listernick R; Charrow J; Greenwald MJ; et al, Radiology 1990; **174:** 295

primary central nervous system lymphoma: analysis of prognostic variables and patterns of treatment failure, Michalski JM; Garcia DM; Kase E; Grigsby PW; Simpson JR, Radiology 1990; **176:** 855

radiation-induced intracranial malignant gliomas, (ab), Shapiro S; Mealey J Jr; Sartorius C, Radiology 1990; **174:** 902

radiologic role in diagnosis, staging, and follow-up of neoplasia of the brain, spine, and head and neck, Harnsberger HR; Dillon WP, Semin US CT MR 1989; **10:** 431

supratentorial tumours. part III: tumours of non neuroglial cells (1), Sage MR, Australas Radiol 1991; **35:** 112

supratentorial tumours: part II: tumours of neuroglial cells, Sage MR, Australas Radiol 1991; **35:** 18

supratentorial tumours. part IV: tumours of non neuroglial cells (2), Sage MR, Australas Radiol 1991; **35:** 124

transient white matter changes on MR images in children undergoing chemotherapy for acute lymphocytic leukemia: correlation with neuropsychologic deficiencies, Wilson DA; Nitschke R; Bowman ME; Chaffin MJ; Sexauer CL; Prince JR, Radiology 1991; **180:** 205

two patients with primary non-Hodgkinson's lymphoma of the brain, Varghese CV; Jose CC; Singh AD, Australas Radiol 1991; **35:** 184

value of pre-operative embolisation of meningioma estimated subjectively and objectively, Macpherson P, Neuroradiol 1991; **33:** 334

Brain neoplasms, angiography

computed tomography and angiographic findings in metastatic choriocarcinoma, Watanabe AS; Smoker WRK, JCAT 1989; **13:** 319

intraventricular primary neuronal neoplasms: CT, MR, and angiographic findings, Porter-Grenn LM; Silbergleit R; Stern HJ; et al, JCAT 1991; **15:** 365

topographical study of supratentorial brain tumours, Salamon G; Martini P; Ternier F; et al, J Neuroradiol 1991; **18:** 123

Brain neoplasms, CT

accuracy of volumetric measurement of high-grade gliomas, Chisholm RA; Stenning S; Hawkins TD, Clin Radiol 1989; **40:** 17

angiogenesis and blood-brain barrier breakdown modulate CT contrast enhancement: an experimental study in a rabbit brain-tumor model, Zagzag D; Goldenberg M; Brem S, AJNR 1989; **10:** 529

classification of brain tumours by CT-image Walsh spectra, Wolf M; Ziegengeist S; Michalik M; et al, Neuroradiol 1990; **32:** 464

CNS imaging of neoplasms, Bragg DG; Osborn AG, Int J Radiat Oncol Biol Phys 1991; **21:** 841

computed tomographic evaluation of intracranial metatases from carcinoma of the prostate, Burbridge B; Tchang SPK, J Canad Assoc Radiol 1989; **40:** 234

computed tomographic features of primary brain lymphoma, Barsky MF; Coates RK; Macdonald DR, J Canad Assoc Radiol 1989; **40:** 80

computed tomography and angiographic findings in metastatic choriocarcinoma, Watanabe AS; Smoker WRK, JCAT 1989; **13:** 319

computed tomography in intracranial, supratentorial metastases in children, Pedersen H; McConnell J; Harwood-Nash DC; et al, Neuroradiol 1989; **31:** 19

correlation of computed tomography and postmortem findings of a diffuse astrocytoma: a case report, Carter DJ; Wiedmeyer DA; Antuono PG; et al, Comput Med Imag Graph 1989; **13:** 491

CT and MR findings in parameningeal leukaemic masses, Williams MP; Olliff JFC; Rowley MR, JCAT 1990; **14:** 736

CT and MR imaging of fourth ventricular meningiomas, Perry RD; Parker GD; Hallinan JM, JCAT 1990; **14:** 276

CT and MRI of ruptured intracranial dermoids, Wilms G; Casselman J; Demaerel P; et al, Neuroradiol 1991; **33:** 149

CT features of primary cerebral lymphoma in AIDS and non-AIDS patients, Poon T; Matoso I; Tchertkoff V; et al, JCAT 1989; **13:** 6

delineation of gliomas with magnetic resonance imaging using Gd-DTPA in comparison with computed tomography and positron emission tomography, Tovi M; Lilja A; Bergström M; et al, Acta Radiol 1990; **31:** 417

evolution of central necrosis in a meningioma: CT and MR features, Terasaki KK; Zee C-S, JCAT 1990; **14:** 464

focal brain lesions on computed tomography in patients with acquired immune deficiency syndrome, Harrison PB; Clarke SD; Silver SF, J Canad Assoc Radiol 1990; **41:** 83

general case of the day, Vezina JL; Tampieri D, Radiographics 1990; 10: 364

hamartoma of the tuber cinereum: a comparison of MR and CT findings in four cases, Burton EM; Ball WS Jr; Crone K; et al, AJNR 1989; 10: 497

hamartomas of the tuber cinereum: CT, MR, and pathologic findings, Boyko OB; Curnes JT; Oakes WJ; et al, AJNR 1991; 12: 309

high-dose contrast-enhanced computed tomography (CECT) with iopamidol in the detection of cerebral metastases: tolerance of the contrast agent, Leonardi M; Lavaroni A; Biasizzo E; et al, Neuroradiol 1989; 31: 148

imaging of brain metastases: comparison of computerized tomography (CT) and magnetic resonance imaging (MRI), Taphoorn MJB; Heimans JJ; Kaiser MCRLE; et al, Neuroradiol 1989; 31: 391

intracerebral gangliogliomas in patients with partial complex seizures: CT and MR imaging findings, Tampieri D; Moumdjian R; Melanson D; et al, AJNR 1991; 12: 749

intracranial ganglioglioma: MR, CT, and clinical findings in 18 patients, Castillo M; Davis PC; Takei YD; et al, AJNR 1990; 11: 109

intracranial ganglioglioma: MR, CT, and clinical findings in 18 patients, Castillo M; Davis PC; Takei YD; et al, AJR 1990; 154: 607

intracranial meningiomas: comparison of plain and contrast-enhanced examinations in CT and MRI, Schörner W; Schubeus P; Henkes H; et al, Neuroradiol 1990; 32: 12

intracranial meningiomas: how frequent are indicative findings in CT and MRI?, Schubeus P; Schörner W; Rottacker C; et al, Neuroradiol 1990; 32: 467

intraventricular central neurocytoma: CT and MR findings, Bolen JW Jr; Lipper MH; Caccamo D, JCAT 1989; 13: 495

intraventricular primary neuronal neoplasms: CT, MR, and angiographic findings, Porter-Grenn LM; Silbergleit R; Stern HJ; et al, JCAT 1991; 15: 365

intrinsic third ventricle craniopharyngioma: CT and MR findings, Linden CN; Martinez CR; Gonzalvo AA; et al, JCAT 1989; 13: 362

juvenile pilocytic astrocytomas: CT and MR characteristics, Lee Y-Y; Van Tassel P; Bruner JM; et al, AJNR 1989; 10: 363

lateral ventricular neoplasms of the brain: differential diagnosis based on clinical, CT, and MR findings, Jelinek J; Smirniotopoulos JG; Parisi JE; et al, AJNR 1990; 11: 567

loculated intracranial leptomeningeal metastases: CT and MR characteristics, Lee Y-Y; Tien RD; Bruner JM; et al, AJR 1990; 154: 351

low-grade astrocytomas: treatment with unconventionally fractionated external beam stereotactic radiation therapy, Pozza F; Colombo F; Chierego G; Avanzo RC; Marchetti C; Benedetti A; Casentini L; Danieli D, Radiology 1989; 171: 565

magnetic resonance imaging and computed tomography of an intraventricular craniopharyngioma, Sacher M; Gottesman RI; Rothman AS; et al, Clin Imag 1990; 14: 116

malignancy criteria in computed tomography of primary supratentorial tumors in infancy and childhood, Pedersen H; Gjerris F; Klinken L, Neuroradiol 1989; 31: 24

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; 179: 819

meningioma of the third ventricle: computed tomography and magnetic resonance imaging, de la Sayette V; Rivaton F; Chapon F; et al, Neuroradiol 1991; 33: 354

metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET, Alger JR; Frank JA; Bizzi A; Fulham MJ; DeSouza BX; Duhaney MO; Inscoe SW; Black JL; van Zijl PCM; Moonen CTW; Di Chiro G, Radiology 1990; 177: 633

MR and CT of masses of the anterosuperior third ventricle, Waggenspack GA; Guinto FC Jr, AJNR 1989; 10: 105

neuroradiology of central neurocytoma, Wichmann W; Schubiger O; Deimling Av; et al, Neuroradiol 1991; 33: 143

oligodendrogliomas, Margain D; Peretti-Viton P; Perez-Castillo AM; et al, J Neuroradiol 1991; 18: 153

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; 173: 81

periventricular enhancement: a non-pathognomonic sign of intracerebral tumours, Murray PA; Harnett AN; Thompson PI; et al, Br J Radiol 1989; 62: 1075

positron emission tomography and computed tomography in differential diagnosis between recurrent or residual glioma and treatment-induced brain lesions, Lilja A; Lundqvist H; Olsson Y; et al, Acta Radiol 1989; 30: 121

postoperative contrast enhancement in brain tumors and intracerebral hematomas: CT study, Wakai S; Andoh Y; Ochiai C; et al, JCAT 1990; 14: 267

primary central nervous system lymphoma versus toxoplasmosis in AIDS, Dina TS, Radiology 1991; 179: 823

primary cerebral lymphoma in acquired immunodeficiency syndrome (AIDS)—CT manifestations, Orron DE; Kuhn MJ; Malholtra V; et al, Comput Med Imag Graph 1989; 13: 207

primary cerebral neuroblastoma: CT and MR findings in 12 cases, Davis PC; Wichman RD; Takei Y; et al, AJNR 1990; 11: 115

primary cerebral neuroblastoma: CT and MR findings in 12 cases, Davis PC; Wichman RD; Takei Y; et al, AJR 1990; 154: 831

primary malignant rhabdoid tumor of the brain: CT characteristics, Ho PSP; Lee W-H; Chen C-Y; et al, JCAT 1990; 14: 461

rare case of a primary malignant fibrous histiocytoma of the brain, Schrader B; Holland BR; Friedrichsen C, Neuroradiol 1989; 31: 177

symptomatic cerebrospinal fluid dissemination of cerebral glioblastoma: computed tomographic findings in 11 cases, Onda K; Tanaka R; Takahashi H; et al, Neuroradiol 1990; 32: 146

topographical study of supratentorial brain tumours, Salamon G; Martini P; Ternier F; et al, J Neuroradiol 1991; 18: 123

unusual MR and CT appearance of an epidermoid tumor, Gualdi GF; Di Biasi C; Trasimeni G; et al, AJNR 1991; 12: 771

Brain neoplasms, diagnosis

antibody guided diagnosis and therapy of brain gliomas using radiolabeled monoclonal antibodies against epidermal growth factor receptor and placental alkaline phosphatase, Kalofonos HP; Pawlikowska TR; Hemingway A; et al, J Nucl Med 1989; 30: 1636

clinical aspects of supratentorial tumours: a review of 2 413 tumours operated over a 30-year period, Paillas J-E, J Neuroradiol 1991; 18: 79

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; 181: 701

diagnosis of cerebral metastases: double-dose delayed CT vs contrast-enhanced MR imaging, Davis PC; Hudgins PA; Peterman SB; et al, AJNR 1991; 12: 293

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; 176: 451

gliomas: classification with MR imaging, Dean BL; Drayer BP; Bird CR; Flom RA; Hodak JA; Coons SW; Carey RG, Radiology 1990; 174: 411

intratemporal vascular tumors: detection with CT and MR imaging, Lo WWM; Shelton C; Waluch V; Solti-Bohman LG; Carberry JN; Brackmann DE; Wade CT, Radiology 1989; 171: 445

lateral ventricular neoplasms of the brain: differential diagnosis based on clinical, CT, and MR findings, Jelinek J; Smirniotopoulos JG; Parisi JE; et al, AJNR 1990; 11: 567

lateral ventricular neoplasms of the brain: differential diagnosis based on clinical, CT, and MR findings, Jelinek J; Smirniotopoulos JG; Parisi JE; et al, AJR 1990; 155: 365

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; 179: 819

multicenter study of gadodiamide injection as a contrast agent in MR imaging of the brain and spine, Sze G; Brant-Zawadzki M; Haughton VM; Maravilla KR; McNamara MT; Kumar AJ; Aisen AM; Dreisbach JN; Bradley WG Jr; Weinreb JC; Drayer BP; Tsuruda JS; Hesselink JR; Johnson CE; Zimmerman RD; Weingast GR, Radiology 1991; 181: 693

neuroradiology: RSNA '88 meeting notes, Kieffer SA; Latchaw RE; Leeds NE; Modic MT; Naidich TP; Pressman BD; Segall HD; Smoker WRK; Tenner M; Williams AL; Zimmerman RD, Radiology 1989; 170: 906

neuroradiology: RSNA '89 meeting notes, Segall HD; Byrd SE; Enzmann DR; Fox AJ; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Naidich TP; Quencer RM; Sze GK; Tenner MS; Wolpert SM; Zimmerman RD, Radiology 1990; 174: 910

neuroradiology: RSNA '90 meeting notes, Segall HD; Daniels DL; Fitz CR; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Maravilla KR; Quencer RM; Rosenbaum AE; Russell EJ; Sze GK; Tenner MS; Yuh WTC; Zimmerman RD, Radiology 1991; 178: 902

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; 173: 81

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; 1: 57

supratentorial tumours: part I: general role of imaging, Sage MR, Australas Radiol 1991; 35: 4

supratentorial tumours: part II: tumours of neuroglial cells, Sage MR, Australas Radiol 1991; 35: 18

Brain neoplasms, in infants and children

case report: antenatal diagnosis of congenital glioblastoma, McConachie NS; Twining P; Lamb MP, Clin Radiol 1991; 44: 121

cerebellar neoplasms in children, Gusnard DA, Semin Roentgenol 1990; 25: 263

computed tomography in intracranial, supratentorial metastases in children, Pedersen H; McConnell J; Harwood-Nash DC; et al, Neuroradiol 1989; 31: 19

congenital brain tumors: a review of 45 cases, Buetow PC; Smirniotopoulos JG; Done S, AJNR 1990; 11: 793

congenital brain tumors: a review of 45 cases, Buetow PC; Smirniotopoulos JG; Done S, AJR 1990; 155: 587

epilepsy and brain tumours in children, Hirsch J-F, J Neuroradiol 1989; 16: 292

gadopentetate dimeglumine–enhanced MR imaging in children following surgery for brain tumor: spectrum of meningeal findings, Hudgins PA; Davis PC; Hoffman JC Jr, AJNR 1991; 12: 301

intracranial ependymomas in children, Goldwein JW; Leahy JM; Packer RJ; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1497

key problems in the management of children with brain tumors, D'Angio GJ; Rorke LB; Packer R; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 805

leptomeningeal metastasis from primary extracerebral neuroblastoma: CT demonstration, Shaw DWW; Weinberger E; Brewer DK, AJNR 1990; **11:** 804

long-term psychological effects in children treated for intracranial tumors, Jannoun L; Bloom HJG, Int J Radiat Oncol Biol Phys 1990; **18:** 747

malignancy criteria in computed tomography of primary supratentorial tumors in infancy and childhood, Pedersen H; Gjerris F; Klinken L, Neuroradiol 1989; **31:** 24

MR findings in childhood ganglioglomas, Benitez WI; Glasier CM; Husain M; et al, JCAT 1990; **14:** 712

neurocutaneous melanosis and temporal lobe tumor in a child: MR study, Sebag G; Dubois J; Pfister P; et al, AJNR 1991; **12:** 699

paediatric medulloblastoma: atypical CT features at presentation in the SIOP II trial, Nelson M; Diebler C; Forbes WSC, Neuroradiol 1991; **33:** 140

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

pediatric supratentorial tumors, Zimmerman RA, Semin Roentgenol 1990; **25:** 225

role of radiation therapy in the management of childhood craniopharyngioma, Weiss M; Sutton L; Marcial V; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1313

tentorial traversal by ependymoblastoma, Monteferrante ML; Shimkin PM; Fichtenbaum C; et al, AJNR 1991; **12:** 181

treatment and long-term prognosis of children with intracranial tumors: a study of 610 cases, 1950–1981, Bloom HJG; Glees J; Bell J, Int J Radiat Oncol Biol Phys 1990; **18:** 723

Brain neoplasms, metastases

extra-CNS metastases of glioblastoma: CT and MR studies, Trattnig S; Schindler E; Ungersböck K; et al, JCAT 1990; **14:** 294

extracranial metastatic glioblastoma: appearance on thallium-201-chloride/technetium-99m-HMPAO SPECT images, Carvalho PA; Schwartz RB; Alexander E III; et al, J Nucl Med 1991; **32:** 322

glioblastoma multiforme presenting as osteoblastic metastatic disease: case report and review of the literature, Myers TV; Egelhoff J; Myers ME, AJNR 1990; **11:** 802

MR evaluation of CNS tumors: dose comparison study with gadopentetate dimeglumine and gadoteridol, Yuh WTC; Fisher DJ; Engelken JD; Greene GM; Sato Y; Ryals TJ; Crain MR; Ehrhardt JC, Radiology 1991; **180:** 485

multiple bone metastases in a patient with glioblastoma multiforme, Haddon M; Slavin JD; Spencer RP, Clin Nucl Med 1989; **14:** 13

symptomatic cerebrospinal fluid dissemination of cerebral glioblastoma: computed tomographic findings in 11 cases, Onda K; Tanaka R; Takahashi H; et al, Neuroradiol 1990; **32:** 146

Brain neoplasms, MR

amnesia due to bilateral hippocampal glioblastoma: MRI finding, Shimauchi M; Wakisaka S; Kinoshita K, Neuroradiol 1989; **31:** 430

astrocytic tumours, Margain D; Peretti-Viton P; Arnaud O; et al, J Neuroradiol 1991; **18:** 141

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

brain metastases, Peretti-Viton P; Margain D; Murayama N; et al, J Neuroradiol 1991; **18:** 161

case report: a small temporal lobe glioma detected only by magnetic resonance imaging, Yanaka K; Yoshii Y; Nose T; et al, Clin Radiol 1989; **40:** 528

case report: gadolinium-enhanced MR imaging in the management of a midline cerebral dysgerminoma, Hawes DR; Yuh WTC; Wen B-C, Comput Med Imag Graph 1989; **13:** 463

cerebellorubral degeneration after resection of cerebellar dentate nucleus neoplasms: evaluation with MR imaging, Bontozoglou NP; Chakeres DW; Martin GF; Brogan MA; McGhee RB, Radiology 1991; **180:** 223

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

CNS imaging of neoplasms, Bragg DG; Osborn AG, Int J Radiat Oncol Biol Phys 1991; **21:** 841

comparison of multi echo and contrast-enhanced MR scans: image contrast and delineation of intracranial tumors, Schörner W; Laniado M; Kornmesser W; et al, Neuroradiol 1989; **31:** 140

comparison of spin echo T_1-weighted and FLASH 90° gadolinium-enhanced magnetic resonance imaging in the detection of cerebral metastases, Cherryman G; Golfieri R, Br J Radiol 1990; **63:** 712

contrast-enhanced MR images in patients with meningioma: importance of enhancement of the dura adjacent to the tumor, Aoki S; Sasaki Y; Machida T; et al, AJNR 1990; **11:** 935

CT and MR findings in parameningeal leukaemic masses, Williams MP; Olliff JFC; Rowley MR, JCAT 1990; **14:** 736

CT and MR imaging of fourth ventricular meningiomas, Perry RD; Parker GD; Hallinan JM, JCAT 1990; **14:** 276

CT and MRI of ruptured intracranial dermoids, Wilms G; Casselman J; Demaerel P; et al, Neuroradiol 1991; **33:** 149

delineation of gliomas with magnetic resonance imaging using Gd-DTPA in comparison with computed tomography and positron emission tomography, Tovi M; Lilja A; Bergström M; et al, Acta Radiol 1990; **31:** 417

detection of brain metastases: comparison of contrast-enhanced MR with unenhanced MR and enhanced CT, Sze G; Milano E; Johnson C; et al, AJNR 1990; **11:** 785

detection of metabolic heterogeneity of human intracranial tumors *in vivo* by ^{1}H NMR spectroscopic imaging, Segebarth CM; Balériaux DF; Luyten PR; et al, Magn Res Med 1990; **13:** 62

diagnosis of cerebral metastases: double-dose delayed CT vs contrast-enhanced MR imaging, Davis PC; Hudgins PA; Peterman SB; et al, AJNR 1991; **12:** 293

diagnosis of cerebral metastases: double-dose delayed CT vs contrast-enhanced MR imaging, Davis PC; Hudgins PA; Peterman SB; et al, AJR 1991; **156:** 1039

diffuse cerebral and leptomeningeal astrocytoma in dogs: MR features, Kraft SL; Gavin PR; Leathers CW; et al, JCAT 1990; **14:** 555

diffusion-weighted MR imaging of the brain: value of differentiating between extraaxial cysts and epidermoid tumors, Tsuruda JS; Chew WM; Moseley ME; et al, AJNR 1990; **11:** 925

displacement of the quadrigeminal plate in tumors of the fourth ventricle: MR appearance, Nemoto Y; Inoue Y; Fukuda T; et al, JCAT 1989; **13:** 769

"dural tail sign": a specific MR sign of meningioma?, Tien RD; Yang PJ; Chu PK, JCAT 1991; **15:** 64

dynamic imaging of contrast enhancement in brain tumors, Bullock PR; Mansfield P; Gowland P; et al, Magn Res Med 1991; **19:** 293

evolution of central necrosis in a meningioma: CT and MR features, Terasaki KK; Zee C-S, JCAT 1990; **14:** 464

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

gadolinium-DOTA enhanced MR imaging of intracranial lesions, Parizel PM; Degryse HR; Gheuens J; et al, JCAT 1989; **13:** 378

gadopentetate dimeglumine–enhanced MR imaging in children following surgery for brain tumor: spectrum of meningeal findings, Hudgins PA; Davis PC; Hoffman JC Jr, AJNR 1991; **12:** 301

gadopentetate-dimeglumine–enhanced MR imaging of gliomatosis cerebri: appearance mimicking leptomeningeal tumor dissemination, Rippe DJ; Boyko OB; Fuller GN; et al, AJNR 1990; **11:** 800

Gd-DTPA–enhanced MR imaging of leptomeningeal spread of primary intracranial CNS tumor in children, Rippe DJ; Boyko OB; Friedman HS; et al, AJNR 1990; **11:** 329

gemistocytic astrocytoma demonstrated high intensity on MR images: protein hydration layer, Abe K; Hasegawa H; Kobayashi Y; et al, Neuroradiol 1990; **32:** 166

general case of the day, Vezina JL; Tampieri D, Radiographics 1990; **10:** 364

glioblastoma multiforme: MR imaging at 1.5 and 9.4 T after injection of polylysine-DTPA-Gd in rats, Kornguth S; Anderson M; Turski P; et al, AJNR 1990; **11:** 313

gliomas: classification with MR imaging, Dean BL; Drayer BP; Bird CR; Flom RA; Hodak JA; Coons SW; Carey RG, Radiology 1990; **174:** 411

granular cell tumor (choristoma) of the neurohypophysis: two cases and a review of the literature, Cone L; Srinivasan M; Romanul FCA, AJNR 1990; **11:** 403

hamartoma of the tuber cinereum: a comparison of MR and CT findings in four cases, Burton EM; Ball WS Jr; Crone K; et al, AJNR 1989; **10:** 497

hamartomas of the tuber cinereum: CT, MR, and pathologic findings, Boyko OB; Curnes JT; Oakes WJ; et al, AJNR 1991; **12:** 309

human brain: localized H-1 MR spectroscopy at 1.0 T, Sauter R; Loeffler W; Bruhn H; Frahm J, Radiology 1990; **176:** 221

human cerebral gliomas: correlation of postmortem MR imaging and neuropathologic findings, Johnson PC; Hunt SJ; Drayer BP, Radiology 1989; **170:** 211

imaging of brain metastases: comparison of computerized tomography (CT) and magnetic resonance imaging (MRI), Taphoorn MJB; Heimans JJ; Kaiser MCRLE; et al, Neuroradiol 1989; **31:** 391

imaging of irradiated brain tumours: value of magnetic resonance imaging, Castel JC; Caillé JM, J Neuroradiol 1989; **16:** 81

interactive 3D localization of brain lesions, (ab), Levin DN; Tan KK; Grzeszczuk R; et al, Radiology 1991; **181:** 295

intracerebral gangliogliomas in patients with partial complex seizures: CT and MR imaging findings, Tampieri D; Moumdjian R; Melanson D; et al, AJNR 1991; **12:** 749

intracranial ependymoma and subependymoma: MR manifestations, Spoto GP; Press GA; Hesselink JR; et al, AJNR 1990; **11:** 83

intracranial ependymoma and subependymoma: MR manifestations, Spoto GP; Press GA; Hesselink JR; et al, AJR 1990; **154:** 837

intracranial ganglioglioma: MR, CT, and clinical findings in 18 patients, Castillo M; Davis PC; Takei YD; et al, AJNR 1990; **11:** 109

intracranial ganglioglioma: MR, CT, and clinical findings in 18 patients, Castillo M; Davis PC; Takei YD; et al, AJR 1990; **154:** 607

intracranial meningiomas: comparison of plain and contrast-enhanced examinations in CT and MRI, Schörner W; Schubeus P; Henkes H; et al, Neuroradiol 1990; **32:** 12

intracranial meningiomas: correlation between MR imaging and histology in fifty patients, Demaerel P; Wilms G; Lammens M; et al, JCAT 1991; **15:** 45

intracranial meningiomas: how frequent are indicative findings in CT and MRI?, Schubeus P; Schörner W; Rottacker C; et al, Neuroradiol 1990; **32:** 467

intraventricular central neurocytoma: CT and MR findings, Bolen JW Jr; Lipper MH; Caccamo D, JCAT 1989; **13:** 495

intraventricular primary neuronal neoplasms: CT, MR, and angiographic findings, Porter-Grenn LM; Silbergleit R; Stern HJ; et al, JCAT 1991; **15:** 365

intrinsic third ventricle craniopharyngioma: CT and MR findings, Linden CN; Martinez CR; Gonzalvo AA; et al, JCAT 1989; **13:** 362

in vivo ^{1}H NMR spectroscopy of an intracerebral glioma in the rat, Remy C; Von Kienlin M; Lotito S; et al, Magn Res Med 1989; **9:** 395

in vivo ^{1}H-spectroscopy of human intracranial tumors at 1.5 tesla: preliminary experience at a clinical installation, Henriksen O; Wieslander S; Gjerris F; et al, Acta Radiol 1991; **32:** 95

in vivo ^{1}H spectroscopy of the human brain at 1.5 tesla: preliminary experience at a clinical installation, Henriksen O; Larsson H; Jensen KM, Acta Radiol 1990; **31:** 181

is Gd-DTPA required for routine cranial MR imaging?, Elster AD; Moody DM; Ball MR; Laster DW, Radiology 1989; **173:** 231

juvenile pilocytic astrocytomas: CT and MR characteristics, Lee Y-Y; Van Tassel P; Bruner JM; et al, AJNR 1989; **10:** 363

lateral ventricular neoplasms of the brain: differential diagnosis based on clinical, CT, and MR findings, Jelinek J; Smirniotopoulos JG; Parisi JE; et al, AJNR 1990; **11:** 567

localized ^{1}H NMR spectroscopy in fifty cases of newly diagnosed intracranial tumors, Demaerel P; Johannik K; Van Hecke P; et al, JCAT 1991; **15:** 67

loculated intracranial leptomeningeal metastases: CT and MR characteristics, Lee Y-Y; Tien RD; Bruner JM; et al, AJR 1990; **154:** 351

magnetic field dependence of $1/T_1$ of human brain tumors: correlations with histology, Lundbom N; Brown RD III; Koenig SH; et al, Invest Radiol 1990; **25:** 1197

magnetic resonance imaging and angiography of the brain in embolic left atrial myxoma, Marazuela M; García-Merino A; Yebra M; et al, Neuroradiol 1989; **31:** 137

magnetic resonance imaging and computed tomography of an intraventricular craniopharyngioma, Sacher M; Gottesman RI; Rothman AS; et al, Clin Imag 1990; **14:** 116

magnetic resonance imaging in gangliogliomas and gangliocytomas of the nervous system, Peretti-Viton P; Perez-Castillo AM; Raybaud C; et al, J Neuroradiol 1991; **18:** 189

magnetic resonance imaging in primary cerebral neuroblastoma, Just M; Goebel HH; Bohl J; et al, Neuroradiol 1989; **31:** 108

magnetic resonance imaging of an intraventricular craniopharyngioma, Ikezaki K; Fujii K; Kishikawa T, Neuroradiol 1990; **32:** 247

magnetic resonance imaging of intracranial epidermoid tumours, Savader SJ; Murtagh FR; Savader BL; et al, Clin Radiol 1989; **40:** 282

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; **179:** 819

meningioma of the third ventricle: computed tomography and magnetic resonance imaging, de la Sayette V; Rivaton F; Chapon F; et al, Neuroradiol 1991; **33:** 354

metabolic response of glioblastoma to adoptive immunotherapy: detection by phosphorus MR spectroscopy, Ross BD; Tropp J; Derby KA; et al, JCAT 1989; **13:** 189

metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET, Alger JR; Frank JA; Bizzi A; Fulham MJ; DeSouza BX; Duhaney MO; Inscoe SW; Black JL; van Zijl PCM; Moonen CTW; Di Chiro G, Radiology 1990; **177:** 633

MR and CT of masses of the anterosuperior third ventricle, Waggenspack GA; Guinto FC Jr, AJNR 1989; **10:** 105

MR appearance of intracranial chloromas, Leonard KJ; Mamourian AC, AJNR 1989; **10:** 567

MR evaluation of CNS tumors: dose comparison study with gadopentetate dimeglumine and gadoteridol, Yuh WTC; Fisher DJ; Engelken JD; Greene GM; Sato Y; Ryals TJ; Crain MR; Ehrhardt JC, Radiology 1991; **180:** 485

MR findings in childhood gangliogliomas, Benitez WI; Glasier CM; Husain M; et al, JCAT 1990; **14:** 712

MR findings on primitive neuroectodermal tumors, Figueroa RE; El Gammal T; Brooks BS; et al, JCAT 1989; **13:** 773

MR imaging in an experimental model of brain tumor immunotherapy, Blankenberg F; Conley FK; Sayre J; et al, AJNR 1991; **12:** 543

MR imaging of a hemorrhagic medulloblastoma, Uchino A; Egami H, Neuroradiol 1989; **31:** 371

MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD, JMRI 1991; **1:** 469

MRI of subarachnoid dissemination of medulloblastoma, Kochi M; Mihara Y; Takada A; et al, Neuroradiol 1991; **33:** 264

MR of intracranial epidermoid tumors: correlation of in vivo imaging with in vitro ^{13}C spectroscopy, Horowitz BL; Chari MV; James R; et al, AJNR 1990; **11:** 299

multicenter study of gadodiamide injection as a contrast agent in MR imaging of the brain and spine, Sze G; Brant-Zawadzki M; Haughton VM; Maravilla KR; McNamara MT; Kumar AJ; Aisen AM; Dreisbach JN; Bradley WG Jr; Weinreb JC; Drayer BP; Tsuruda JS; Hesselink JR; Johnson CE; Zimmerman RD; Weingast GR, Radiology 1991; **181:** 693

multiexponential proton spin–spin relaxation in MR imaging of human brain tumors, Schad LR; Brix G; Zuna I; et al, JCAT 1989; **13:** 577

neurinoma of the jugular foramen, Müller-Forell W; Dei-Anang K; Perneczky A; et al, Neuroradiol 1990; **32:** 244

neurofibromatosis types 1 and 2: cranial MR findings, Aoki S; Barkovich AJ; Nishimura K; Kjos BO; Machida T; Cogen P; Edwards M; Norman D, Radiology 1989; **172:** 527

neuroradiology of central neurocytoma, Wichmann W; Schubiger O; Deimling Av; et al, Neuroradiol 1991; **33:** 143

noninvasive differentiation of tumors with use of localized H-1 MR spectroscopy in vivo: initial experience in patients with cerebral tumors, Bruhn H; Frahm J; Gyngell ML; Merboldt KD; Hänicke W; Sauter R; Hamburger C, Radiology 1989; **172:** 541

oligodendrogliomas, Margain D; Peretti-Viton P; Perez-Castillo AM; et al, J Neuroradiol 1991; **18:** 153

P-31 MR spectroscopy of normal human brain and brain tumors, Hubesch B; Sappey-Marinier D; Roth K; Meyerhoff DJ; Matson GB; Weiner MW, Radiology 1990; **174:** 401

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

pericallosal lipomas: MR features, Suzuki M; Takashima T; Kadoya M; et al, JCAT 1991; **15:** 207

pitfall associated with lactate detection using stimulated-echo proton spectroscopy, Sotak CH; Alger JR, Magn Res Med 1991; **17:** 533

positron emission tomography compared with magnetic resonance imaging and computed tomography in supratentorial gliomas using multiple stereotactic biopsies as reference, Mosskin M; Ericson K; Hindmarsh T; et al, Acta Radiol 1989; **30:** 225

positron emission tomography of fluorine-18-deoxyglucose and image-guided phosphorus-31 magnetic resonance spectroscopy in brain tumors, Heiss W-D; Heindel W; Herholz K; et al, J Nucl Med 1990; **31:** 302

posterior fossa hemangioblastomas: MR imaging, Lee SR; Sanches J; Mark AS; Dillon WP; Norman D; Newton TH, Radiology 1989; **171:** 463

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

primary and secondary lymphomas of the brain: an MRI study, Peretti-Viton P; Margain D; Arnaud O; et al, J Neuroradiol 1991; **18:** 173

primary central nervous system lymphoma versus toxoplasmosis in AIDS, Dina TS, Radiology 1991; **179:** 823

primary cerebral neuroblastoma: CT and MR findings in 12 cases, Davis PC; Wichman RD; Takei Y; et al, AJNR 1990; **11:** 115

primary cerebral neuroblastoma: CT and MR findings in 12 cases, Davis PC; Wichman RD; Takei Y; et al, AJR 1990; **154:** 831

primary intracranial CNS lymphoma: MR manifestations, Schwaighofer BW; Hesselink JR; Press GA; et al, AJNR 1989; **10:** 725

prominent dural enhancement adjacent to nonmeningiomatous malignant lesions on contrast-enhanced MR images, Wilms G; Lammens M; Marchal G; et al, AJNR 1991; **12:** 761

prominent meningeal enhancement adjacent to meningioma on Gd-DTPA–enhanced MR images: histopathologic correlation, Tokumaru A; O'uchi T; Eguchi T; Kawamoto S; Kokubo T; Suzuki M; Kameda T, Radiology 1990; **175:** 431

proton MR spectroscopy of intracranial tumours: in vivo and in vitro studies, Gill SS; Thomas DGT; Van Bruggen N; et al, JCAT 1990; **14:** 497

rare case of a primary malignant fibrous histiocytoma of the brain, Schrader B; Holland BR; Friedrichsen C, Neuroradiol 1989; **31:** 177

recurrent medulloblastoma: frequency of tumor enhancement on Gd-DTPA MR imaging, Rollins N; Mendelsohn D; Mulne A; et al, AJNR 1990; **11:** 583

role of magnetic resonance (MR) in the diagnosis and management of intracranial tuberculomas, Gupta RK; Jena A; Singh AK; et al, Clin Radiol 1990; **41:** 120

supratentorial ependymomas: neuroradiological study, Peretti-Viton P; Perez Castillo AM; Martini P; et al, J Neuroradiol 1991; **18:** 201

topographical study of supratentorial brain tumours, Salamon G; Martini P; Ternier F; et al, J Neuroradiol 1991; **18:** 123

unenhanced and gadolinium-DTPA-enhanced MR imaging in postoperative evaluation in pediatric brain tumors, (ab), Dickman CA; Rekate HL; Bird CR; et al, Radiology 1990; **175:** 293

unusual MR and CT appearance of an epidermoid tumor, Gualdi GF; Di Biasi C; Trasimeni G; et al, AJNR 1991; **12:** 771

value of subtraction images in the detection of hemorrhagic brain lesions on contrast-enhanced MR images, Hanna SL; Langston JW; Gronemeyer SA, AJNR 1991; **12:** 681

xanthogranuloma of the third ventricle, Wiot JG; Lukin RR; Tomsick TA, AJNR 1989; **10:** S57

Brain neoplasms, radionuclide studies

brain and brain tumor uptake of L-3-[^{123}I]iodo-α-methyl tyrosine: competition with natural L-amino acids, Langen K-J; Roosen N; Coenen HH; et al, J Nucl Med 1991; **32:** 1225

case of primary malignant lymphoma of the brain with high uptake of ^{123}I-IMP, Ohkawa S; Yamadori A; Mori E; et al, Neuroradiol 1989; **31:** 270

clinical application of PET for the evaluation of brain tumors, Coleman RE; Hoffman JM; Hanson MW; et al, J Nucl Med 1991; **32:** 616

clinical evaluation of a high-resolution (2.6-mm) positron emission tomograph, Valk PE; Jagust WJ; Derenzo SE; Huesman RH; Geyer AB; Budinger TF, Radiology 1990; **176:** 783

clinical value of PET with ^{18}F-fluorodeoxyglucose and L-methyl-^{11}C-methionine for diagnosis of recurrent brain tumor and radiation injury, Ogawa T; Kanno I; Shishido F; et al, Acta Radiol 1991; **32:** 197

delineation of gliomas with magnetic resonance imaging using Gd-DTPA in comparison with computed tomography and positron emission tomography, Tovi M; Lilja A; Bergström M; et al, Acta Radiol 1990; **31:** 417

imaging of brain tumors with L-3-[^{123}I]iodo-α-methyl tyrosine and SPECT, Biersack HJ; Coenen HH; Stöcklin G; et al, J Nucl Med 1989; **30:** 110

increased amino acid transport into brain tumors measured by PET of L-(2-^{18}F)fluorotyrosine, Wienhard K; Herholz K; Coenen HH; et al, J Nucl Med 1991; **32:** 1338

innovative approach in the diagnosis of gliomatosis cerebri using carbon-11-L-methionine positron emission tomography, Mineura K; Sasajima T; Kowada M; et al, J Nucl Med 1991; **32:** 726

PET study of carbon-11-PK 11195 binding to peripheral type benzodiazepine sites in glioblastoma: a case report, Pappata S; Cornu P; Samson Y; et al, J Nucl Med 1991; **32:** 1608

positron emission tomography and computed tomography in differential diagnosis between recurrent or residual glioma and treatment-induced brain lesions, Lilja A; Lundqvist H; Olsson Y; et al, Acta Radiol 1989; **30:** 121

positron emission tomography compared with magnetic resonance imaging and computed tomography in supratentorial gliomas using multiple stereotactic biopsies as reference, Mosskin M; Ericson K; Hindmarsh T; et al, Acta Radiol 1989; **30:** 225

positron emission tomography in patients with glioma: a predictor of prognosis, (ab), Alavi JB; Alavi A; Chawluk J; et al, Radiology 1989; **171:** 591

single photon emission computed tomography imaging CT brain tumors, Biersack HJ; Grünwald F; Kropp J, Semin Nucl Med 1991; **21:** 2

SPECT studies of brain tumors with L-3-[^{123}I] iodo-α-methyl tyrosine: comparison with PET, ^{124}IMT and first clinical results, Langen K-J; Coenen HH; Roosen N; et al, J Nucl Med 1990; **31:** 281

technetium-99m-d,1-hexamethylpropyleneamine oxime (HMPAO) uptake and glutathione content in brain tumors, Suess E; Malessa S; Ungersböck K; et al, J Nucl Med 1991; **32:** 1675

thallium-201 SPECT imaging of brain tumors: methods and results, Kim KT; Black KL; Marciano D; et al, J Nucl Med 1990; **31:** 965

Brain neoplasms, secondary

brain metastases, Peretti-Viton P; Margain D; Murayama N; et al, J Neuroradiol 1991; **18:** 161

calcified brain metastases from acinar-cell carcinoma of pancreas, Ara Callizo JR; Gimenez-Mas JA; Martin J; et al, Neuroradiol 1989; **31:** 200

calcified cerebral metastasis from cervical carcinoma, Gaze MN; Gregor A; Whittle IR; et al, Neuroradiol 1989; **31:** 291

case report: cerebral metastases from choriocarcinoma in the absence of detectable extracranial disease, Wilkinson AG; Sellar RJ, Clin Radiol 1991; **43:** 278

case report: cranial metastasis from hepatocellular carcinoma, Miura T; Hirabuki N; Kozuka T, Clin Radiol 1990; **42:** 445

cerebral metastases: value of reirradiation in selected patients, Cooper JS; Steinfeld AD; Lerch IA, Radiology 1990; **174:** 883

computed tomographic evaluation of intracranial metatases from carcinoma of the prostate, Burbridge B; Tchang SPK, J Canad Assoc Radiol 1989; **40:** 234

detection of brain metastases: comparison of contrast-enhanced MR with unenhanced MR and enhanced CT, Sze G; Milano E; Johnson C; et al, AJNR 1990; **11:** 785

diagnosis of cerebral metastases: double-dose delayed CT vs contrast-enhanced MR imaging, Davis PC; Hudgins PA; Peterman SB; et al, AJNR 1991; **12:** 293

diagnosis of cerebral metastases: double-dose delayed CT vs contrast-enhanced MR imaging, Davis PC; Hudgins PA; Peterman SB; et al, AJR 1991; **156:** 1039

distribution of brain metastases, (ab), Delattre JY; Krol G; Thaler HT; et al, Radiology 1989; **171:** 294

Ewing's sarcoma with intracranial metastasis presenting depressed cerebral blood flow and metabolism in the contralateral gray matter, Mineura K; Yasuda T; Suda Y; et al, Comput Med Imag Graph 1989; **13:** 185

high-dose contrast-enhanced computed tomography (CECT) with iopamidol in the detection of cerebral metastases: tolerance of the contrast agent, Leonardi M; Lavaroni A; Biasizzo E; et al, Neuroradiol 1989; **31:** 148

imaging of brain metastases: comparison of computerized tomography (CT) and magnetic resonance imaging (MRI), Taphoorn MJB; Heimans JJ; Kaiser MCRLE; et al, Neuroradiol 1989; **31:** 391

increased iofetamine I 123 brain uptake in metastatic melanoma, (ab), Nagel JS; Ichise M; Mueller SP; et al, Radiology 1989; **171:** 887

influence of extent and local management on the outcome of radiotherapy for brain metastases, Hoskin PJ; Crow J; Ford HT, Int J Radiat Oncol Biol Phys 1990; **19:** 111

large-sized brain metastasis of lung cancer without perifocal edema: case report, Niwa J; Kubota T; Okuyama T; et al, Comput Med Imag Graph 1991; **15:** 121

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

radiotherapy of brain metastases from carcinoma of the bronchus, Sham JST; Lau WH; Tung Y, Clin Radiol 1989; **40:** 193

small-cell carcinoma of the prostate: metastases in the brain as shown by CT and MR with pathologic correlation, Freedy RM; Miller KD Jr, AJNR 1990; **11:** 947

Brain neoplasms, therapeutic radiology

cerebral metastases: value of reirradiation in selected patients, Cooper JS; Steinfeld AD; Lerch IA, Radiology 1990; **174:** 883

chiasmal gliomas: results of irradiation management in 57 patients and review of literature, Bataini JP; Delanian S; Ponvert D, Int J Radiat Oncol Biol Phys 1991; **21:** 615

childhood cerebellar astrocytomas: is there a role for postoperative irradiation?, Garcia DM; Marks JE; Latifi HR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 815

clinical patterns of failure following stereotactic interstitial irradiation for malignant gliomas, Loeffler JS; Alexander E III; Hochberg FH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1455

combination of radiation therapy and intracranial bleomycin in the 9L rat brain tumor model, Kimler BF; Martin DF; Evans RG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1115

comparison of different radiation types and irradiation geometries in stereotactic radiosurgery, Phillips MH; Frankel KA; Lyman JT; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 211

comparison of heat and radiation sensitivity of three human glioma cell lines, Raaphorst GP; Feeley MM; Da Silva VF; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 615

comparison of the roles of surgery and radiation therapy in the management of craniopharyngiomas, Wen B-C; Hussey DH; Staples J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 17

computer applications to radioactive-seed: brain-tumor implants, Meli JA; Dicker CS; Schulz RJ, Comput Med Imag Graph 1989; **13:** 269

CT-based computerized treatment planning system for I-125 stereotactic brain implants, Weaver K; Smith V; Lewis JD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 445

definitive radiotherapy for squamous cell carcinoma of the tonsillar fossa, Wong CS; Ang KK; Fletcher GH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 657

digital tumor fluoroscopy (DTF)—a new direct imaging system in the therapy planning for brain tumors, Herbst M; Fröder M, Int J Radiat Oncol Biol Phys 1990; **18:** 221

dosimetric considerations of stereotactic brain implants, Saw CB; Suntharalingam N; Ayyangar KM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 887

early changes in tumor metabolism after treatment: the effects of stereotactic radiotherapy, Rozental JM; Levine RL; Mehta MP; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1053

energy linked modifications of the radiation response in a human cerebral glioma cell line, Dwarkanath BS; Jain VK, Int J Radiat Oncol Biol Phys 1989; **17:** 1033

external irradiation by an interstitial high activity iodine-125 implant "boost" in the initial treatment of malignant gliomas: NCOG study 6G-82-2, Gutin PH; Prados MD; Phillips TL; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 601

fractionated radiotherapy of small inoperable lesions of the brain using a non-invasive stereotactic frame, Delannes M; Daly NJ; Bonnet J; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 749

fractionated regimens for stereotactic radiotherapy of recurrent tumors in the brain, Brenner DJ; Martel MK; Hall EJ, Int J Radiat Oncol Biol Phys 1991; **21:** 819

glucocorticoid dependency as a prognostic factor in radiotherapy for cerebral gliomas, Schloss MH; Freidberg SR; Heatley GJ; et al, Acta Oncol 1989; **28:** 51

hyperfractionated irradiation for adults with brainstem gliomas, Linstadt DE; Edwards MSB; Prados M; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 757

identification of an optimal subgroup for treatment evaluation of patients with brain metastases using RTOG study 7916, Diener-West M; Dobbins TW; Phillips TL; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 669

imaging of irradiated brain tumours: value of magnetic resonance imaging, Castel JC; Caillé JM, J Neuroradiol 1989; **16:** 81

improved dose localization with dual energy photon irradiation in treatment of lateralized intracranial malignancies, Cooley G; Gillin MT; Murray KJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 815

influence of extent and local management on the outcome of radiotherapy for brain metastases, Hoskin PJ; Crow J; Ford HT, Int J Radiat Oncol Biol Phys 1990; **19:** 111

"instant-mix" whole brain photon with neutron boost radiotherapy for malignant gliomas, Kolker JD; Halpern HJ; Krishnasamy S; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 409

interstitial iridium-192 implantation for malignant brain tumors. part I: techniques of dosimetry planning, Wu A; Chun M; Kasdon D; et al, Br J Radiol 1989; **62:** 154

interstitial iridium-192 implantation for malignant brain tumours. part II: clinical experience, Chun M; McKeough P; Wu A; et al, Br J Radiol 1989; **62:** 158

intra-arterial bromodeoxyuridine radiosensitization of malignant gliomas, Hegarty TJ; Thornton AF; Diaz RF; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 421

long-term psychological effects in children treated for intracranial tumors, Jannoun L; Bloom HJG, Int J Radiat Oncol Biol Phys 1990; **18:** 747

low-dose craniospinal radiation therapy for medulloblastoma, Halberg FE; Wara WM; Fippin LF; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 651

low-grade astrocytomas: treatment with unconventionally fractionated external beam stereotactic radiation therapy, Pozza F; Colombo F; Chierego G; Avanzo RC; Marchetti C; Benedetti A; Casentini L; Danieli D, Radiology 1989; **171:** 565

low grade glioma of the cerebral hemispheres in adults: a retrospective analysis of 88 cases, Whitton AC; Bloom HJG, Int J Radiat Oncol Biol Phys 1990; **18:** 783

malignant glioma—a nemesis which requires clinical and basic investigation in radiation oncology, Davis LW, Int J Radiat Oncol Biol Phys 1989; **16:** 1355

medulloblastoma in adults: a review of 47 patients treated between 1952 and 1981, Bloom HJG; Bessell EM, Int J Radiat Oncol Biol Phys 1990; **18:** 763

megavoltage external beam irradiation of craniopharyngiomas: analysis of tumor control and morbidity, Flickinger JC; Lunsford LD; Singer J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 117

oncology/radiation therapy: RSNA '88 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1989; **170:** 917

oncology/radiation therapy. RSNA '90 meeting notes, Sagerman RH; Cooper J; Cox JD; Wharam M, Radiology 1991; **178:** 606

paediatric brachytherapy: II. brain implantation, Thomson ES; Afshar F; Plowman PN, Br J Radiol 1989; **62:** 223

patterns of failure following treatment for glioblastoma multiforme and anaplastic astrocytoma, Wallner KE; Galicich JH; Krol G; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1405

phase I/II study of the use of Fluosol® as an adjuvant to radiation therapy in the treatment of primary high-grade brain tumors, Evans RG; Kimler BF; Morantz RA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 415

pineal and CNS germ cell tumors: Royal Marsden Hospital experience 1962–1987, Dearnaley DP; A'Hern RP; Whittaker S; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 773

postoperative radiotherapy of supratentorial low-grade gliomas, Shaw EG; Scheithauer BW; Gilbertson DT; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 663

predicted dose-volume isoeffect curves for stereotactic radiosurgery with the ^{60}Co gamma unit, Flickinger JC; Lunsford LD; Wu A; et al, Acta Oncol 1991; **30:** 363

primary central nervous system lymphoma: analysis of prognostic variables and patterns of treatment failure, Michalski JM; Garcia DM; Kase E; Grigsby PW; Simpson JR, Radiology 1990; **176:** 855

radiation therapy for intracranial germinoma: the case for limited volume treatment, Dattoli MJ; Newall J, Int J Radiat Oncol Biol Phys 1990; **19:** 429

Radiation Therapy Oncology Group (RTOG) survival data on anaplastic astrocytomas of the brain: does a more aggressive form of treatment adversely impact survival?, Laramore GE; Martz KL; Nelson JS; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1351

radiation therapy treatment planning in supratentorial glioblastoma multiforme: an analysis based on post mortem topographic anatomy with CT correlations, Halperin EC; Bentel G; Heinz ER; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1347

radioresponse of human astrocytic tumors across grade as a function of acute and chronic irradiation, Schultz CJ; Geard CR, Int J Radiat Oncol Biol Phys 1990; **19:** 1397

radiosurgery for solitary brain metastases using the cobalt-60 gamma unit: methods and results in 24 patients, Coffey RJ; Flickinger JC; Bissonette DJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1287

radiotherapy for high grade gliomas, Sheline GE, Int J Radiat Oncol Biol Phys 1990; **18:** 793

radiotherapy of brain metastases from carcinoma of the bronchus, Sham JST; Lau WH; Tung Y, Clin Radiol 1989; **40:** 193

randomized phase III protocol for the evaluation of misonidazole combined with radiation in the treatment of patients with brain metastases (RTOG-7916), Komarnicky LT; Phillips TL; Martz K; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 53

re-irradiation of astrocytoma of the brain, Rostom AY; Sunderland K, Br J Radiol 1989; **62:** 173

results of a randomized trial comparing BCNU plus radiotherapy, streptozotocin plus radiotherapy, BCNU plus hyperfractionated radiotherapy, and BCNU following misonidazole plus radiotherapy in the postoperative treatment of malignant glioma, Deutsch M; Green SB; Strike TA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1389

results of postoperative irradiation of medulloblastoma in adults, Skołyszewski J; Gliński B, Int J Radiat Oncol Biol Phys 1989; **16:** 479

role of prophylactic spinal irradiation in localized intracranial ependymoma, Vanuytsel L; Brada M, Int J Radiat Oncol Biol Phys 1991; **21:** 825

role of radiation therapy in the management of childhood craniopharyngioma, Weiss M; Sutton L; Marcial V; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1313

role of radiotherapy in the control of midbrain tumours, Franklin CIV, Australas Radiol 1991; **35:** 72

role of radiotherapy in the management of intracranial meningiomas: the Royal Marsden Hospital experience with 186 patients, Glaholm J; Bloom HJG; Crow JH, Int J Radiat Oncol Biol Phys 1990; **18:** 755

small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ, Radiology 1990; **176:** 563

stereotactic single high dose radiation therapy of benign intracranial meningiomas, Engenhart R; Kimmig BN; Hover K-H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1021

superiority of post-radiotherapy adjuvant chemotherapy with CCNU, procarbazine, and vincristine (PCV) over BCNU for anaplastic gliomas: NCOG 6G61 final report, Levin VA; Silver P; Hannigan J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 321

survival and quality of life after interstitial implantation of removable high-activity iodine-125 sources for the treatment of patients with recurrent malignant gliomas, Leibel SA; Gutin PH; Wara WM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1129

three-dimensional treatment planning of astrocytomas: a dosimetric study of cerebral irradiation, Thornton AF Jr; Hegarty TJ; Ten Haken RK; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1309

treatment of low grade cerebral astrocytomas by radiotherapy in Queensland, Franklin CIV, Australas Radiol 1991; **35:** 68

treatment of supratentorial high grade gliomas with split course high fractional dose postoperative radiotherapy, Marcial-Vega VA; Wharam MD; Leibel S; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1419

treatment planning for stereotactic radiosurgery of intra-cranial lesions, Kooy HM; Nedzi LA; Loeffler JS; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 683

treatment planning of template-guided stereotaxic brain implants, Lulu BA; Lutz W; Stea B; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 951

treatment results of stereotactic interstitial brachytherapy for primary and metastatic brain tumors, Lucas GL; Luxton G; Cohen D; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 715

univariate and multivariate statistical analysis of high-grade gliomas: the relationship of radiation dose and other prognostic factors, Miller PJ; Hassanein RS; Giri PGS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 275

variables associated with the development of complications from radiosurgery of intracranial tumors, Nedzi LA; Kooy H; Alexander E III; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 591

Brain neoplasms, therapy

antibody guided diagnosis and therapy of brain gliomas using radiolabeled monoclonal antibodies against epidermal growth factor receptor and placental alkaline phosphatase, Kalofonos HP; Pawlikowska TR; Hemingway A; et al, J Nucl Med 1989; **30:** 1636

cerebellorubral degeneration after resection of cerebellar dentate nucleus neoplasms: evaluation with MR imaging, Bontozoglou NP; Chakeres DW; Martin GF; Brogan MA; McGhee RB, Radiology 1991; **180:** 223

comparison of the roles of surgery and radiation therapy in the management of craniopharyngiomas, Wen B-C; Hussey DH; Staples J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 17

evaluation of bromodeoxyuridine in glioblastoma multiforme: a Northern California Cancer Center phase II study, Phillips TL; Levin VA; Ahn DK; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 709

interstitial thermoradiotherapy of brain tumors: preliminary results of a phase I clinical trial, Stea B; Cetas TC; Cassady JR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1463

management of primary cerebral lymphoma with initial chemotherapy: preliminary results and comparison with patients treated with radiotherapy alone, Brada M; Dearnaley D; Horwich A; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 787

medulloblastoma in adults: a review of 47 patients treated between 1952 and 1981, Bloom HJG; Bessell EM, Int J Radiat Oncol Biol Phys 1990; **18:** 763

patterns of failure following treatment for glioblastoma multiforme and anaplastic astrocytoma, Wallner KE; Galicich JH; Krol G; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1405

patterns of second recurrence of malignant astrocytomas, Massey V; Wallner KE, Int J Radiat Oncol Biol Phys 1990; **18:** 395

pineal and CNS germ cell tumors: Royal Marsden Hospital experience 1962–1987, Dearnaley DP; A'Hern RP; Whittaker S; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 773

randomized study of CCNU with and without benznidazole in the treatment of recurrent grades 3 and 4 astrocytoma: report to the Medical Research Council by the Brain Tumor Working Party, Bleehen NM; Freedman LS; Stenning SP, Int J Radiat Oncol Biol Phys 1989; **16:** 1077

results of a randomized trial comparing BCNU plus radiotherapy, streptozotocin plus radiotherapy, BCNU plus hyperfractionated radiotherapy, and BCNU following misonidazole plus radiotherapy in the postoperative treatment of malignant glioma, Deutsch M; Green SB; Strike TA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1389

studies on high grade cerebral gliomas, Bleehen NM, Int J Radiat Oncol Biol Phys 1990; **18:** 811

superiority of post-radiotherapy adjuvant chemotherapy with CCNU, procarbazine, and vincristine (PCV) over BCNU for anaplastic gliomas: NCOG 6G61 final report, Levin VA; Silver P; Hannigan J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 321

superselective arterial BCNU infusion in the treatment of patients with malignant gliomas, Clayman DA; Wolpert SM; Heros DO, AJNR 1989; **10:** 767

targeting and therapy of human glioma xenografts *in vivo* using radiolabeled antibodies, Williams JA; Edwards JA; Wessels BW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 633

treatment and long-term prognosis of children with intracranial tumors: a study of 610 cases, 1950–1981, Bloom HJG; Glees J; Bell J, Int J Radiat Oncol Biol Phys 1990; **18:** 723

Brain neoplasms, US

color Doppler US imaging during pediatric neurosurgical and neuroradiologic procedures, Barr LL; Babcock DS; Crone KR; Berger TS; Ball WS; Prenger EC, Radiology 1991; **181:** 567

intraoperative sonography in low-grade gliomas, Hatfield MK; Rubin JM; Gebarski SS; et al, J Ultrasound Med 1989; **8:** 131

Brain stem

anatomy of the brainstem: correlation of in vitro MR images with histologic sections, Hirsch WL; Kemp SS; Martinez AJ; et al, AJNR 1989; **10:** 923

brainstem edema: an unusual complication of carotid cavernous fistula, Teng MMH; Chang T; Pan DH-C; et al, AJNR 1991; **12:** 139

cerebellorubral degeneration after resection of cerebellar dentate nucleus neoplasms: evaluation with MR imaging, Bontozoglou NP; Chakeres DW; Martin GF; Brogan MA; McGhee RB, Radiology 1991; **180:** 223

MR of the brain stem: a practical approach, Bradley WG Jr, Radiology 1991; **179:** 319

vascular malformations of the brain stem, (ab), Chyatte D, Radiology 1990; **175:** 293

Wallerian degeneration after cerebral infarction: evaluation with sequential MR imaging, Kuhn MJ; Mikulis DJ; Ayoub DM; Kosofsky BE; Davis KR; Taveras JM, Radiology 1989; **172:** 179

Brain stem, abnormalities

brainstem lesion revealed by MRI in a case of Leigh's disease with respiratory failure, Martin E; Burger R; Wiestler OD; et al, Pediatr Radiol 1990; **20:** 349

CT brainstem abnormalities in the differential diagnosis of Huntington's disease, Masucci EF; Borts FT; Kurtzke JF, Comput Med Imag Graph 1990; **14:** 205

MR of the brain stem: a practical approach, Bradley WG Jr, Radiology 1991; **179:** 319

Brain stem, hemorrhage

apparently isolated, spontaneous haematomas of the brain stem: seven cases explored by CT and MRI, Froment J-C; Bascoulergue Y; Crouzet G; et al, J Neuroradiol 1989; **16:** 38

neonatal bilateral diaphragmatic paralysis caused by brain stem haemorrhage, (ab), Blazer S; Hemli JA; Sujov PO; et al, Radiology 1989; **172:** 887

primary medullary hemorrhage, Weisberg LA; Trufant S; Carballosa R; et al, Comput Med Imag Graph 1989; **13:** 487

Brain stem, MR

anatomy of the brainstem: correlation of in vitro MR images with histologic sections, Hirsch WL; Kemp SS; Martinez AJ; et al, AJNR 1989; **10:** 923

apparently isolated, spontaneous haematomas of the brain stem: seven cases explored by CT and MRI, Froment J-C; Bascoulergue Y; Crouzet G; et al, J Neuroradiol 1989; **16:** 38

brainstem lesion revealed by MRI in a case of Leigh's disease with respiratory failure, Martin E; Burger R; Wiestler OD; et al, Pediatr Radiol 1990; **20:** 349

brain stem type neuro-Behçet's syndrome: correlation of enhanced CT scans and MRI during the acute and chronic stage of the illness, Kataoka S; Hirose G; Tsukada K, Neuroradiol 1989; **31:** 258

central nervous system magnetic resonance imaging findings in neuro-Behçet syndrome, Iwasaki Y; Kinoshita M; Ikeda K; et al, Comput Med Imag Graph 1990; **14:** 85

contribution of RMI to the diagnosis and post-therapeutic monitoring of brain stem tumours, Carsin M; Rolland Y; Gandon Y; et al, J Neuroradiol 1990; **17:** 50

cystic schwannoma mimicking a brain stem tumor: MR features, Sigal R; d'Anthouard F; David P; et al, JCAT 1990; **14:** 662

demonstration of the area postrema with contrast-enhanced MR, Williams KD; Dean B; Drayer BP, AJNR 1990; **11:** 733

lesions of the brain stem: assessment by magnetic resonance imaging, Byrne JV; Kendall BE; Kingsley DPE; et al, Neuroradiol 1989; **31:** 129

magnetic resonance imaging in ischaemic accidents of the brain stem, Durif F; Hommel M; Bennani W; et al, J Neuroradiol 1989; **16:** 25

MR imaging of asymptomatic brainstem and spinal cord lesions in sisters with neurofibromatosis, Kim T; Foust RJ; Mojtahedi S, AJNR 1989; **10:** S71

MR imaging of the excised human brainstem: a correlative neuroanatomic study, Solsberg MD; Fournier D; Potts DG, AJNR 1990; **11:** 1003

MR imaging of Wallerian degeneration in the brainstem: temporal relationships, Inoue Y; Matsumura Y; Fukuda T; et al, AJNR 1990; **11:** 897

MR imaging of wallerian degeneration in the human brain stem after ictus, Uchino A; Imada H; Ohno M, Neuroradiol 1990; **32:** 191

MR of the brain stem: a practical approach, Bradley WG Jr, Radiology 1991; **179:** 319

olivopontocerebellar atrophy: MR diagnosis and relationship to multisystem atrophy, Savoiardo M; Strada L; Girotti F; Zimmerman RA; Grisoli M; Testa D; Petrillo R, Radiology 1990; **174:** 693

pediatric brainstem glioma: post-radiation clinical and MR follow-up, Smith RR; Zimmerman RA; Packer RJ; et al, Neuroradiol 1990; **32:** 265

Wallerian degeneration after cerebral infarction: evaluation with sequential MR imaging, Kuhn MJ; Mikulis DJ; Ayoub DM; Kosofsky BE; Davis KR; Taveras JM, Radiology 1989; **172:** 179

Brain stem, neoplasms

brain-stem tuberculoma: an analysis of 11 patients, (ab), Talamás O; Del Brutto OH; Garcia-Ramos G, Radiology 1989; **173:** 294

brain stem tumors, Smith RR, Semin Roentgenol 1990; **25:** 249

charged particle radiotherapy for lesions encircling the brain stem or spinal cord, Castro JR; Collier JM; Petti PL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 477

contribution of RMI to the diagnosis and post-therapeutic monitoring of brain stem tumours, Carsin M; Rolland Y; Gandon Y; et al, J Neuroradiol 1990; **17:** 50

cystic schwannoma mimicking a brain stem tumor: MR features, Sigal R; d'Anthouard F; David P; et al, JCAT 1990; **14:** 662

lesions of the brain stem: assessment by magnetic resonance imaging, Byrne JV; Kendall BE; Kingsley DPE; et al, Neuroradiol 1989; **31:** 129

multivariate analysis of prognostic factors in pediatric and adult thalamic and brainstem tumors, Grigsby PW; Thomas PR; Schwartz HG; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 649

pediatric brainstem glioma: post-radiation clinical and MR follow-up, Smith RR; Zimmerman RA; Packer RJ; et al, Neuroradiol 1990; **32:** 265

radiation therapy for brain stem tumor with special reference to CT feature and prognosis correlations, Shibamoto Y; Takahashi M; Dokoh S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 71

Brain stem, therapeutic radiology

charged particle radiotherapy for lesions encircling the brain stem or spinal cord, Castro JR; Collier JM; Petti PL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 477

multivariate analysis of prognostic factors in pediatric and adult thalamic and brainstem tumors, Grigsby PW; Thomas PR; Schwartz HG; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 649

radiation therapy for brain stem tumor with special reference to CT feature and prognosis correlations, Shibamoto Y; Takahashi M; Dokoh S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 71

Breast

breast pathology synopsis, Tobon H; Doshi N, Semin US CT MR 1989; **10:** 139

failure of development of the growing breast after radiation therapy, Rosenfield NS; Haller JO; Berdon WE, Pediatr Radiol 1989; **19:** 124

galactocele of the breast: radiologic and ultrasonographic findings, Salvador R; Salvador M; Jimenez JA; et al, Br J Radiol 1990; **63:** 140

indications for breast imaging in women under age 35 years, Harris VJ; Jackson VP, Radiology 1989; **172:** 445

role of US in breast imaging, Jackson VP, Radiology 1990; **177:** 305

usefulness of mammography and sonography in women less than 35 years of age, Bassett LW; Ysrael M; Gold RH; Ysrael C, Radiology 1991; **180:** 831

Breast, biopsy

abnormalities of the breast caused by biopsy: spectrum of mammographic findings, Stigers KB; King JG; Davey DD; et al, AJR 1991; **156:** 287

accuracy and cost of needle localization breast biopsy, (ab), Norton LW; Zeligman BE; Pearlman NW, Radiology 1989; **171:** 587

analysis of 308 localisation breast biopsies in a New Zealand hospital, Johnston JA; Clee CZ, Australas Radiol 1991; **35:** 148

atypical hyperplasia of the breast: mammographic appearance and histologic correlation, Helvie MA; Hessler C; Frank TS; Ikeda DM, Radiology 1991; **179:** 759

automated biopsy devices: significance and safety, Bernardino ME, Radiology 1990; **176:** 615

biopsy of the breast for mammographically detected lesions, (ab), Francheschi D; Crowe J; Zollinger R; et al, Radiology 1991; **179:** 590

breast specimen microcalcifications: radiographic validation and pathologic-radiologic correlation, D'Orsi CJ; Reale FR; Davis MA; Brown VJ, Radiology 1991; **180:** 397

calcifications in breast biopsy specimens: discrepancies in radiologic-pathologic identification, Stein MA; Karlan MS, Radiology 1991; **179:** 111

calcium oxalate crystals in breast biopsies: the missing microcalcifications, (ab), Tornos C; Silva E; El-Naggar A; et al, Radiology 1991; **178:** 897

calcium oxalate microcalcifications in the breast, Surratt JT; Monsees BS; Mazoujian G, Radiology 1991; **181:** 141

combining spot-compression and other special views to maximize mammographic information, Sickles EA, Radiology 1989; **173:** 571

combining spot-compression and other special views to maximize mammographic information: reply, Berkowitz JE, Radiology 1989; **173:** 571

device for facilitating lesion localization in breast biopsies, Levinsohn EM, Radiology 1991; **181:** 603

effect of methylene blue on estrogen-receptor activity, Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III, Radiology 1989; **171:** 105

equivocal mammographic findings: evaluation with spot compression, Berkowitz JE; Gatewood OMB; Gayler BW, Radiology 1989; **171:** 369

estrogen receptor enzyme immunoassay in fine-needle aspirates from human breast cancer, Borg Å; Fernö M; Idvall I, Acta Oncol 1989; **28:** 187

fine-needle aspiration of clinically occult breast lesions, Kopans DB, Radiology 1989; **170:** 313

guided fine-needle aspiration biopsy of nonpalpable breast lesions: calculation of accuracy values, Fornage BD, Radiology 1990; **177:** 884

histologic sampling of grossly benign breast biopsies: how much is enough?, (ab), Schnitt SJ; Wang HH, Radiology 1990; **174:** 291

how thoroughly should needle localization breast biopsies be sampled for microscopic examination: a prospective mammographic/pathologic correlative study, (ab), Owings DV; Hann L; Schnitt SJ, Radiology 1990; **177:** 291

impact of a priori medical decisions on screening for breast cancer, Moskowitz M, Radiology 1989; **171:** 605

interventional breast ultrasonography, D'Orsi CJ; Mendelson EB, Semin US CT MR 1989; **10:** 132

magnification spot compression of the breast, Hall FM, Radiology 1989; **173:** 284

mammographic localization and biopsy of nonpalpable breast lesions: a 5-year study, (ab), Thompson WR; Bowen R; Dorman BA; et al, Radiology 1991; **181:** 910

mammographic reports and surgical referrals, Hall FM, Radiology 1989; **171:** 876

mammographic wire-guided biopsies in non-palpable breast lesions, Adler OB; Engel A, Eur J Radiol 1989; **9:** 108

mammography-guided stereotactic fine-needle aspiration cytology of nonpalpable breast lesions: prospective comparison with surgical biopsy results, Fajardo LL; Davis JR; Wiens JL; et al, AJR 1990; **155:** 977

migration of localizing wires used in guided biopsy of the breast, Owen AWMC; Kumar EN, Clin Radiol 1991; **43:** 251

needle localization and fine-needle aspiration biopsy of nonpalpable breast lesions with use of standard and stereotactic equipment, Evans WP; Cade SH, Radiology 1989; **173:** 53

needle localization of nonpalpable breast lesions with a portable dual-grid compression system: work in progress, Chen HH; Bernstein JR; Paige ML; Crampton AR, Radiology 1989; **170:** 687

needle localization of nonpalpable breast lesions with current dedicated mammographic systems, Yagan R; Wiesen E; Skubic S; Bellon EM, Radiology 1989; **172:** 580

needle-localized biopsy of the breast, (ab), Griffen MM; Welling RE, Radiology 1990; **176:** 295

new device for evaluation of biopsy specimens of occult breast lesions, Lindfors KK; Lott SA; Alberhasky MT, AJR 1990; **154:** 261

noninterference of isosulfan blue on estrogen-receptor activity, Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III, Radiology 1989; **171:** 109

nonpalpable breast lesions at biopsy: a detailed analysis of radiographic features, (ab), Skinner MA; Swain M; Simmons R; et al, Radiology 1989; **170:** 584

nonpalpable breast lesions: evaluation by means of fine-needle aspiration cytology, Hann LE; Ducatman BS; Wang HH; Fein V; McIntire JM, Radiology 1989; **171:** 373

nonpalpable breast lesions: findings of stereotaxic needle-core biopsy and fine-needle aspiration cytology, Dowlatshahi K; Yaremko ML; Kluskens LF; Jokich PM, Radiology 1991; **181:** 745

nonpalpable breast lesions: stereotactic automated large-core biopsies, Parker SH; Lovin JD; Jobe WE; Burke BJ; Hopper KD; Yakes WF, Radiology 1991; **180:** 403

nonpalpable breast lesions: stereotaxic fine-needle aspiration cytology, Ciatto S; Del Turco MR; Bravetti P, Radiology 1989; **173:** 57

nonpalpable lesions in the augmented breast: preoperative localization, Robertson CL; Kopans DB; McCarthy KA; Hart NE, Radiology 1989; **173:** 873

paraffin block radiography following breast biopsies: use of orthogonal views, Cardenosa G; Eklund GW, Radiology 1991; **180:** 873

percutaneous biopsies of the breast: state of the art, Fornage BD, Cardiovasc Intervent Radiol 1991; **14:** 29

predictive value of needle localization mammographically assisted biopsy of the breast, (ab), Senofsky GM; Davies RJ; Olson L; et al, Radiology 1991; **179:** 590

proliferative disease and atypia in biopsies performed for nonpalpable lesions detected mammographically, (ab), Rubin E; Visscher DW; Alexander RW; et al, Radiology 1989; **170:** 583

radiographically guided fine-needle aspiration of nonpalpable breast lesions, Helvie MA; Baker DE; Adler DD; Andersson I; Naylor B; Buckwalter KA, Radiology 1990; **174:** 657

rate of compliance with recommendations for additional mammographic views and biopsies, Cardenosa G; Eklund GW, Radiology 1991; **181:** 359

sonographic appearance and ultrasound-guided fine-needle aspiration biopsy of breast carcinomas smaller than 1 cm^3, Fornage BD; Sneige N; Faroux MJ; et al, J Ultrasound Med 1990; **9:** 559

stereotactic breast biopsy with a biopsy gun, Parker SH; Lovin JD; Jobe WE; Luethke JM; Hopper KD; Yakes WF; Burke BJ, Radiology 1990; **176:** 741

stereotactic breast biopsy with a biopsy gun, Jaeger HJ; Kruegener GH; MacFie J; Glaves I, Radiology 1991; **179:** 586

stereotactic fine-needle aspiration biopsy for nonpalpable breast lesions, Jackson VP; Bassett LW, AJR 1990; **154:** 1196

stereotactic fine-needle aspiration for cytologic diagnosis of nonpalpable breast lesions, Löfgren M; Andersson I; Lindholm K, AJR 1990; **154:** 1191

stereotactic fine-needle biopsy in 2594 mammographically detected non-palpable lesions, (ab), Azavedo E; Svane G; Auer G, Radiology 1990; **174:** 291

stereotaxic localisation and aspiration cytology of impalpable breast lesions, Dent DM; Kirkpatrick AE; McGoogan E; et al, Clin Radiol 1989; **40:** 380

stereotaxic needle-core biopsy and fine-needle aspiration cytologic evaluation of nonpalpable breast lesions, Jackson VP; Reynolds HE, Radiology 1991; **181:** 633

Breast, calcification

atypical hyperplasia of the breast: mammographic appearance and histologic correlation, Helvie MA; Hessler C; Frank TS; Ikeda DM, Radiology 1991; **179:** 759

biopsy results of new calcifications in the postirradiated breast, (ab), Solin LJ; Fowble BL; Troupin RH; et al, Radiology 1989; **173:** 591

breast cancers in women 35 years of age and younger: mammographic findings, Shaw de Paredes E; Marsteller LP; Eden BV, Radiology 1990; **177:** 117

breast microcalcifications after lumpectomy and radiation therapy, Rebner M; Pennes DR; Adler DD; Helvie MA; Lichter AS, Radiology 1989; **170:** 691

breast microcalcifications after lumpectomy and radiation therapy, Hall FM, Radiology 1989; **172:** 577

breast skin calcifications: localization with a stereotactic device, Linden SS; Sullivan DC, Radiology 1989; **171:** 570

breast specimen microcalcifications: radiographic validation and pathologic-radiologic correlation, D'Orsi CJ; Reale FR; Davis MA; Brown VJ, Radiology 1991; **180:** 397

calcifications in breast biopsy specimens: discrepancies in radiologic-pathologic identification, Stein MA; Karlan MS, Radiology 1991; **179:** 111

calcifications in the breast in Filaria loa infection, Novak R, Acta Radiol 1989; **30:** 507

calcium oxalate crystals in breast biopsies: the missing microcalcifications, (ab), Tornos C; Silva E; El-Naggar A; et al, Radiology 1991; **178:** 897

calcium oxalate crystals in the breast: pathology and significance, (ab), Gonzalez JEG; Caldwell RG; Valaitis J, Radiology 1991; **181:** 910

calcium oxalate microcalcifications in the breast, Surratt JT; Monsees BS; Mazoujian G, Radiology 1991; **181:** 141

carcinoma within fibroadenomas: mammographic features, Baker KS; Monsees BS; Diaz NM; Destouet JM; McDivitt RW, Radiology 1990; **176:** 371

circumscribed intraductal carcinoma of the breast, Mitnick JS; Roses DF; Harris MN; Feiner HD, Radiology 1989; **170:** 423

circumscribed intraductal carcinoma of the breast, Homer MJ; Safaii H, Radiology 1989; **171:** 877

circumscribed intraductal carcinoma of the breast, Hall FM, Radiology 1989; **172:** 579

circumscribed intraductal carcinoma of the breast: reply, Mitnick JS; Roses DF; Harris MN; Feiner HD, Radiology 1989; **172:** 579

clinically occult ductal carcinoma in situ detected with mammography: analysis of 100 cases with radiologic-pathologic correlation, Stomper PC; Connolly JL; Meyer JE; Harris JR, Radiology 1989; **172:** 235

computer-assisted analysis of mammographic clustered calcifications, Freundlich IM; Hunter TB; Seeley GW; et al, Clin Radiol 1989; **40:** 295

device for facilitating lesion localization in breast biopsies, Levinsohn EM, Radiology 1991; **181:** 603

diagnosis of breast calcifications: comparison of contact, magnified, and television-enhanced images, Kimme-Smith C; Gold RH; Bassett LW; et al, AJR 1989; **153:** 963

differentiation of radial scar from scirrhous carcinoma of the breast: mammographic-pathologic correlation, Mitnick JS; Vazquez MF; Harris MN; Roses DF, Radiology 1989; **173:** 697

disappearing breast calcifications, Parker MD; Clark RL; McLelland R; Daughtery K, Radiology 1989; **172:** 677

early breast cancer: detection of recurrence after conservative surgery and radiation therapy, Hassell PR; Olivotto IA; Mueller HA; Kingston GW; Basco VE, Radiology 1990; **176:** 731

expert learning system network for diagnosis of breast calcifications, Patrick EA; Moskowitz M; Mansukhani VT; et al, Invest Radiol 1991; **26:** 534

extensive calcification in the breast in chronic renal failure, Evans SE; Whitehouse GH, Br J Radiol 1991; **64:** 757

imaging insights: breast calcifications—parenchymal or dermal?, (ab), Sickles EA, Radiology 1991; **178:** 588

immediate postoperative mammogram for failed surgical excision of breast lesions, Stein MA; Karlan MS, Radiology 1991; **178:** 159

immediate postoperative mammogram for failed surgical excision of breast lesions, Hall FM, Radiology 1991; **180:** 19

immediate postoperative mammogram for failed surgical excision of breast lesions: reply, Stein MA; Karlan MS, Radiology 1991; **180:** 20

improvement in radiologists' detection of clustered microcalcifications on mammograms: the potential of computer-aided diagnosis, Chan H-P; Doi K; Vyborny CJ; et al, Invest Radiol 1990; **25:** 1102

lobular carcinoma in situ: mammographic-pathologic correlation of results of needle-directed biopsy, Sonnenfeld MR; Frenna TH; Weidner N; Meyer JE, Radiology 1991; **181:** 363

mammographically detected microcalcifications due to pseudoxanthoma elasticum, Albertyn LE; Drew AC, Australas Radiol 1991; **35:** 81

mammographic and histologic correlations of microcalcifications, Shaw de Paredes E; Abbitt PL; Tabbarah S; Bickers MA; Smith DC, Radiographics 1990; **10:** 577

mammographic follow-up of nonpalpable low-suspicion breast abnormalities: one versus two views, Datoc PD; Hayes CW; Conway WF; Bosch HA; Neal MP, Radiology 1991; **180:** 387

mammographic reports and surgical referrals, Hall FM, Radiology 1989; **171:** 876

mammography in women 35 years of age and younger, Freundlich IM, Radiology 1991; **181:** 288

mixed form diffusely scattered calcifications in breast cancer with apocrine features, Kopans DB; Nguyen PL; Koerner FC; White G; McCarthy KA; Hall DA; Mrose H; Cardenosa G, Radiology 1990; **177:** 807

mixed form, diffusely scattered calcifications in breast cancer with apocrine features, Homer MJ; Safaii H, Radiology 1991; **179:** 586

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

nonpalpable breast lesions: evaluation by means of fine-needle aspiration cytology, Hann LE; Ducatman BS; Wang HH; Fein V; McIntire JM, Radiology 1989; **171:** 373

paraffin block radiography following breast biopsies: use of orthogonal views, Cardenosa G; Eklund GW, Radiology 1991; **180:** 873

paraffin tissue block radiography: adjunct to breast specimen radiography, Rebner M; Helvie MA; Pennes DR; Oberman HA; Ikeda DM; Adler DD, Radiology 1989; **173:** 695

radiographically guided fine-needle aspiration of nonpalpable breast lesions, Helvie MA; Baker DE; Adler DD; Andersson I; Naylor B; Buckwalter KA, Radiology 1990; **174:** 657

relationship of mammographic microcalcification to histologic malignancy: radiologic-pathologic correlation, Homer MJ; Safaii H; Smith TJ; et al, AJR 1989; **153:** 1187

sedimented calcium in benign breast cysts: the full spectrum of mammographic presentations, Linden SS; Sickles EA, AJR 1989; **152:** 967

suture calcification mimicking recurrence in the irradiated breast: a potential pitfall in mammographic evaluation, Davis SP; Stomper PC; Weidner N; Meyer JE, Radiology 1989; **172:** 247

Breast, CT

combination gel-inflatable mammary prosthesis: appearance at CT, O'Mara EM; Pennes DR; Argenta LC, Radiology 1989; **170:** 78

computed tomography, duplex Doppler ultrasound, and magnetic resonance imaging in evaluating the breast, Böhm-Vélez M; Mendelson EB, Semin US CT MR 1989; **10:** 171

mammographic and CT findings after breast reconstruction with a rectus abdominis musculocutaneous flap, Loyer EM; Kroll SS; David CL; et al, AJR 1991; **156:** 1159

Breast, cysts

analysis of the results of mammographically guided biopsies of the breast, (ab), McCreery BR; Frankl G; Frost DB, Radiology 1991; **180:** 885

breast immobilization for occult mass aspiration, Pennes DR, Radiology 1989; **171:** 286

breast immobilization for occult mass aspiration: reply, Meyer JE, Radiology 1989; **171:** 286

fibrocystic "disease", Gerson ES, Radiology 1989; **171:** 583

fibrocystic "disease": reply, Jackson VP, Radiology 1989; **171:** 583

fibrous mastopathy in insulin dependent diabetics, Garstin WIH; Kaufman Z; Michell MJ; et al, Clin Radiol 1991; **44:** 89

lipid cyst: classic and atypical appearances, Evers K; Troupin RH, AJR 1991; **157:** 271

percutaneous US needle localization of occult breast lesions, Jackson FI; Terry TJ, Radiology 1989; **171:** 286

role of US in breast imaging, Jackson VP, Radiology 1990; **177:** 305

rupture of a cyst during compression at mammography: report of a case, Novak R, Acta Radiol 1989; **30:** 257

sedimented calcium in benign breast cysts: the full spectrum of mammographic presentations, Linden SS; Sickles EA, AJR 1989; **152:** 967

steatocystoma multiplex: appearance at mammography, Pollack AH; Kuerer HM, Radiology 1991; **180:** 836

unbound, biologically active oestradiol, sex hormone-binding globulin, epidermal growth factor and electrolytes in breast cyst fluid, Lai LC; Dunkley SA; Reed MJ; et al, Acta Oncol 1991; **30:** 71

visualization of breast tissue by technetium-99m labeled dextran in chronic cystic mastitis, Yang K-TA; Wu C-C; Chen J-Y, Clin Nucl Med 1989; **14:** 772

well defined masses in the breast, Marsteller LP; Shaw de Paredes E, Radiographics 1989; **9:** 13

Breast, diseases

breast cancers in women 35 years of age and younger: mammographic findings, Shaw de Paredes E; Marsteller LP; Eden BV, Radiology 1990; **177:** 117

breast disease: tissue characterization with Gd-DTPA enhancement profiles, Stack JP; Redmond OM; Codd MB; Dervan PA; Ennis JT, Radiology 1990; **174:** 491

breast masses: mammographic evaluation, Sickles EA, Radiology 1989; **173:** 297

breast pathology synopsis, Tobon H; Doshi N, Semin US CT MR 1989; **10:** 139

coaxial technique for performing galactography, Berná JD; Guirao J; Garcia V, AJR 1989; **153:** 273

color Doppler signals from breast tumors: work in progress, Cosgrove DO; Bamber JC; Davey JB; McKinna JA; Sinnett HD, Radiology 1990; **176:** 175

diabetic fibrous breast disease, Logan WW; Hoffman NY, Radiology 1989; **172:** 667

fibroadenoma of the breast: sonographic appearance, Fornage BD; Lorigan JG; Andry E, Radiology 1989; **172:** 671

indications for breast imaging in women under age 35 years, Harris VJ; Jackson VP, Radiology 1989; **172:** 445

mammography in women 35 years of age and younger, Freundlich IM, Radiology 1991; **181:** 288

MR imaging of the breast: fast imaging sequences with and without Gd-DTPA. preliminary observations, Kaiser WA; Zeitler E, Radiology 1989; **170:** 681

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

nontraumatic myositis ossificans in the breast, Salomonowitz E; Youssefzadeh S; Reiner A; et al, Eur J Radiol 1991; **12:** 130

radiological nomenclature in benign breast change, Breast Group of the Royal College of Radiologists, Clin Radiol 1989; **40:** 374

role of US in breast imaging, Jackson VP, Radiology 1990; **177:** 305

three-dimensional gadolinium-enhanced MR imaging of the breast: pulse sequence with fat suppression and magnetization transfer contrast. work in progress, Pierce WB; Harms SE; Flamig DP; Griffey RH; Evans WP; Hagans JE, Radiology 1991; **181:** 757

well defined masses in the breast, Marsteller LP; Shaw de Paredes E, Radiographics 1989; **9:** 13

Breast, male

Ga-67 uptake in diethylstilbestrol-induced gynecomastia: experience with six patients, Kosuda S; Kawahara S; Tamura K; et al, Clin Nucl Med 1990; **15:** 879

Breast, MR

computed tomography, duplex Doppler ultrasound, and magnetic resonance imaging in evaluating the breast, Böhm-Vélez M; Mendelson EB, Semin US CT MR 1989; **10:** 171

Gd-DTPA enhanced MR imaging of the breast in patients with postoperative scarring and silicon implants, Heywang SH; Hilbertz T; Beck R; et al, JCAT 1990; **14:** 348

in vivo phosphorus-31 magnetic resonance spectroscopy of normal and pathological breast tissues, Redmond OM; Stack JP; O'Connor NG; et al, Br J Radiol 1991; **64:** 210

MR imaging of the breast: fast imaging sequences with and without Gd-DTPA. preliminary observations, Kaiser WA; Zeitler E, Radiology 1989; **170:** 681

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

spin locking for magnetic resonance imaging with application to human breast, Santyr GE; Henkelman RM; Bronskill MJ, Magn Res Med 1989; **12:** 25

three-dimensional gadolinium-enhanced MR imaging of the breast: pulse sequence with fat suppression and magnetization transfer contrast. work in progress, Pierce WB; Harms SE; Flamig DP; Griffey RH; Evans WP; Hagans JE, Radiology 1991; **181:** 757

Breast, neoplasms

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Breast, parenchymal pattern

asymmetric breast tissue, Kopans DB; Swann CA; White G; McCarthy KA; Hall DA; Belmonte SJ; Gallagher WJ, Radiology 1989; **171:** 639

asymmetric breast tissue, Homer MJ; Smith TJ, Radiology 1989; **173:** 577

asymmetric breast tissue: reply, Kopans DB, Radiology 1989; **173:** 577

atypical hyperplasia of the breast: mammographic appearance and histologic correlation, Helvie MA; Hessler C; Frank TS; Ikeda DM, Radiology 1991; **179:** 759

hormonal replacement therapy: mammographic manifestations, Berkowitz JE; Gatewood OMB; Goldblum LE; Gayler BW, Radiology 1990; **174:** 199

invasive lobular carcinoma: mammographic findings in a 10-year experience, Hilleren DJ; Andersson IT; Lindholm K; Linnell FS, Radiology 1991; **178:** 149

mammographic changes associated with postmenopausal hormone replacement therapy: a longitudinal study, Stomper PC; Van Voorhis BJ; Ravnikar VA; Meyer JE, Radiology 1990; **174:** 487

mammographic follow-up of nonpalpable low-suspicion breast abnormalities: one versus two views, Datoc PD; Hayes CW; Conway WF; Bosch HA; Neal MP, Radiology 1991; **180:** 387

mammographic parenchymal patterns of nulliparous women and women with a family history of breast cancer, Kaufman Z; Garstin WIH; Hayes R; et al, Clin Radiol 1991; **43:** 385

mammographic parenchymal patterns of women on hormonal replacement therapy, Kaufman Z; Garstin WIH; Hayes R; et al, Clin Radiol 1991; **43:** 389

subtle and atypical mammographic features of invasive lobular carcinoma, Sickles EA, Radiology 1991; **178:** 25

Breast, prostheses

breast cancer: mammographic and sonographic findings after augmentation mammoplasty, Leibman AJ; Kruse B, Radiology 1990; **174:** 195

combination gel-inflatable mammary prosthesis: appearance at CT, O'Mara EM; Pennes DR; Argenta LC, Radiology 1989; **170:** 78

Gd-DTPA enhanced MR imaging of the breast in patients with postoperative scarring and silicon implants, Heywang SH; Hilbertz T; Beck R; et al, JCAT 1990; **14:** 348

irradiation of prosthetically augmented breasts: a retrospective study on toxicity and cosmetic results, Halpern J; McNeese MD; Kroll SS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 189

mammography after prosthesis placement for augmentation or reconstructive mammoplasty, Dershaw DD; Chaglassian TA, Radiology 1989; **170:** 69

nonpalpable lesions in the augmented breast: preoperative localization, Robertson CL; Kopans DB; McCarthy KA; Hart NE, Radiology 1989; **173:** 873

silicone lymphadenopathy associated with augmentation mammaplasty: morphologic features of nine cases, (ab), Truong LD; Cartwright J Jr; Goodman MD; et al, Radiology 1989; **170:** 296

Breast, radial scar

differentiation of radial scar from scirrhous carcinoma of the breast: mammographic-pathologic correlation, Mitnick JS; Vazquez MF; Harris MN; Roses DF, Radiology 1989; **173:** 697

Breast, radionuclide studies

breast uptake of gallium-67 citrate in disseminated *Mycobacterium chelonei*, Cua EJ; Oates E, Clin Nucl Med 1990; **15:** 705

Ga-67 uptake in diethylstilbestrol-induced gynecomastia: experience with six patients, Kosuda S; Kawahara S; Tamura K; et al, Clin Nucl Med 1990; **15:** 879

gallium-67 detection of intramammary injection sites secondary to intravenous drug abuse, Swayne LC, Clin Nucl Med 1990; **14:** 693

technetium-99m uptake in neonatal breast, Hurst RW; Williamson BRJ; McGregor R, Clin Nucl Med 1989; **14:** 61

visualization of breast tissue by technetium-99m labeled dextran in chronic cystic mastitis, Yang K-TA; Wu C-C; Chen J-Y, Clin Nucl Med 1989; **14:** 772

Breast, surgery

breast cancer: mammographic and sonographic findings after augmentation mammoplasty, Leibman AJ; Kruse B, Radiology 1990; **174:** 195

differentiation of postsurgical changes from carcinoma of the breast, (ab), Mitnick JS; Roses DF; Harris MN, Radiology 1989; **170:** 584

imaging the post-surgical breast, Mendelson EB, Semin US CT MR 1989; **10:** 154

infected breast reconstruction associated with Poland's syndrome, Stewart CA; Hung G-L; Glaser AM; et al, Clin Nucl Med 1990; **15:** 43

long-term psychological sequelae of mastectomy and breast conserving treatment for breast cancer, Meyer L; Aspegren K, Acta Oncol 1989; **28:** 13

mammographic and CT findings after breast reconstruction with a rectus abdominis musculocutaneous flap, Loyer EM; Kroll SS; David CL; et al, AJR 1991; **156:** 1159

radiotherapy and breast reconstruction: clinical results and dosimetry, Kuske RR; Schuster R; Klein E; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 339

transient rib abnormalities on radionuclide bone imaging related to breast reconstruction surgery, Burke TS, Clin Nucl Med 1991; **16:** 127

Breast, US

breast sonography, Bassett LW; Kimme-Smith C, AJR 1991; **156:** 449

breast sonography: technique, equipment, and normal anatomy, Bassett LW; Kimme-Smith C, Semin US CT MR 1989; **10:** 82

case report: mammographic and sonographic demonstration of extramedullary haematopoiesis of the breast, Zonderland HM; Michiels JJ; Ten Kate FJW, Clin Radiol 1991; **44:** 64

clinical performance of a cone/annular array ultrasound breast scanner, Fishell EK; Foster FS; Connor T; et al, Ultrasound Med Biol 1990; **16:** 361

color Doppler signals from breast tumors: work in progress, Cosgrove DO; Bamber JC; Davey JB; McKinna JA; Sinnett HD, Radiology 1990; **176:** 175

computed tomography, duplex Doppler ultrasound, and magnetic resonance imaging in evaluating the breast, Böhm-Vélez M; Mendelson EB, Semin US CT MR 1989; **10:** 171

continuous-wave and pulsed Doppler studies of the breast: clinical results and effect of transducer frequency, Madjar H; Sauerbrei W; Münch S; et al, Ultrasound Med Biol 1991; **17:** 31

fibroadenoma of the breast: sonographic appearance, Fornage BD; Lorigan JG; Andry E, Radiology 1989; **172:** 671

frequency measurements in real-time US equipment: variations from expected values, Kimme-Smith C; Duerinckx AJ; Kaiser S; Jones JP; Tessler FN; Bassett LW, Radiology 1989; **172:** 449

hand-held and automated sonomammography: clinical role relative to x-ray mammography, Vilaro MM; Kurtz AB; Needleman L; et al, J Ultrasound Med 1989; **8:** 95

indications for breast imaging in women under age 35 years, Harris VJ; Jackson VP, Radiology 1989; **172:** 445

interventional breast ultrasonography, D'Orsi CJ; Mendelson EB, Semin US CT MR 1989; **10:** 132

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

rate of compliance with recommendations for additional mammographic views and biopsies, Cardenosa G; Eklund GW, Radiology 1991; **181:** 359

role of ultrasound in a breast imaging center, Feig SA, Semin US CT MR 1989; **10:** 90

role of US in breast imaging, Jackson VP, Radiology 1990; **177:** 305

sonographic features of breast hamartomas, Adler DD; Jeffries DO; Helvie MA, J Ultrasound Med 1990; **9:** 85

sonographic features of fibromatosis of the breast, Leibman AJ; Kossoff MB, J Ultrasound Med 1991; **10:** 43

ultrasound of benign breast conditions, Adler DD, Semin US CT MR 1989; **10:** 106

usefulness of mammography and sonography in women less than 35 years of age, Bassett LW; Ysrael M; Gold RH; Ysrael C, Radiology 1991; **180:** 831

Breast, xeroradiography

breast imaging. RSNA '88 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1989; **170:** 599

invasive papillary breast carcinoma: mammographic and sonographic appearance, Schneider JA, Radiology 1989; **171:** 377

radiation doses due to breast imaging in Manitoba: 1978–1988, Huda W; Sourkes AM; Bews JA; Kowaluk R, Radiology 1990; **177:** 813

Breast neoplasms

assessment of the psychological impact of a breast screening programme, Bull AR; Campbell MJ, Br J Radiol 1991; **64:** 510

association between risk of breast cancer and age at first pregnancy and parity in Maribo County, Denmark, Mellemgaard A; Ewertz M; Lynge E, Acta Oncol 1990; **29:** 705

association of estrogen receptors with parenchymal pattern at mammography, Ciatto S; Cecchini S; Iossa A; Grazzini G; Messeri G; Valenti L; Nunzi G; Bartolucci R; Di Costanzo F, Radiology 1989; **170:** 695

atypical hyperplasia of the breast: mammographic appearance and histologic correlation, Helvie MA; Hessler C; Frank TS; Ikeda DM, Radiology 1991; **179:** 759

benign mixed tumors (pleomorphic adenomas) of the breast, (ab), Moran CA; Suster S; Carter D, Radiology 1991; **178:** 897

benign papillary neoplasms of the breast: mammographic findings, Cardenosa G; Eklund GW, Radiology 1991; **181:** 751

body size and menopausal status in relation to the pattern of spread in recurrent breast cancer, Kamby C; Ejlertsen B; Andersen J; et al, Acta Oncol 1989; **28:** 795

breast cancer detected by screening: the importance of long-term follow-up, (ab), Lopez MJ; Blackwell CW, Radiology 1990; **175:** 290

breast cancer screening in women over age 50: a critical appraisal, Peeters PHM; Verbeek ALM; Zielhuis GA; et al, Acta Radiol 1990; **31:** 225

breast carcinoma in young women previously treated for Hodgkin disease, Cook KL; Adler DD; Lichter AS; et al, AJR 1990; **155:** 39

breast hamartomas: variable mammographic appearance, Helvie MA; Adler DD; Rebner M; Oberman HA, Radiology 1989; **170:** 417

breast lymphoma: radiologic imaging and clinical appearances, Jackson FI; Lalani ZH, J Canad Assoc Radiol 1991; **42:** 48

calcifications in breast biopsy specimens: discrepancies in radiologic-pathologic identification, Stein MA; Karlan MS, Radiology 1991; **179:** 111

calcium oxalate microcalcifications in the breast, Surratt JT; Monsees BS; Mazoujian G, Radiology 1991; **181:** 141

Canadian National Breast Screening Study: assessment of technical quality by external review, Baines CJ; Miller AB; Kopans DB; et al, AJR 1990; **155:** 743

can the clinical and mammographic findings at presentation predict the presence of an extensive intraductal component in early stage breast cancer?, Healey EA; Osteen RT; Schnitt SJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1217

carcinoma within fibroadenomas: mammographic features, Baker KS; Monsees BS; Diaz NM; Destouet JM; McDivitt RW, Radiology 1990; **176:** 371

chemoprevention of breast cancer, Powles TJ; Davey J; McKinna A, Acta Oncol 1989; **28:** 865

chromosome analysis of in situ breast cancer, Nielsen KV; Blichert-Toft M; Andersen J, Acta Oncol 1989; **28:** 919

circumscribed intraductal carcinoma of the breast, Mitnick JS; Roses DF; Harris MN; Feiner HD, Radiology 1989; **170:** 423

circumscribed intraductal carcinoma of the breast, Homer MJ; Safaii H, Radiology 1989; **171:** 877

circumscribed intraductal carcinoma of the breast, Hall FM, Radiology 1989; **172:** 579

circumscribed intraductal carcinoma of the breast: reply, Mitnick JS; Roses DF; Harris MN; Feiner HD, Radiology 1989; **172:** 579

clinical management of a normal contralateral breast in patients with lobular breast cancer, (ab), Baker RR; Kuhajda FP, Radiology 1990; **175:** 291

color Doppler signals from breast tumors: work in progress, Cosgrove DO; Bamber JC; Davey JB; McKinna JA; Sinnett HD, Radiology 1990; **176:** 175

comparison of breast consistency at palpation with breast density at mammography, Boren WL; Hunter TB; Bjelland JC; et al, Invest Radiol 1990; **25:** 1010

comparison of palpable and nonpalpable breast cancers, (ab), Pagana TJ; Lubbe WJ; Schwartz SM; et al, Radiology 1989; **173:** 590

computerized follow-up of abnormalities detected at mammography screening, Monticciolo DL; Sickles EA, AJR 1990; **155:** 751

conservative surgery and radiation therapy in breast carcinoma: local recurrence and prognostic implications, Haffty BG; Goldberg NB; Fischer D; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 727

cytophotometric estimation of cell proliferation in breast cancer: correlation to the clinical course during long-term follow-up, Hatschek T; Bjelkenkrantz K; Carstensen J; et al, Acta Oncol 1989; **28:** 801

ductal adenoma of the breast: a review of fifteen cases, (ab), Lammie GA; Millis RR, Radiology 1990; **175:** 290

ductal adenoma of the breast: mammographic appearances and pathological correlation, Moskovic E; Ramachandra S, Br J Radiol 1989; **62:** 1021

ductal carcinoma in situ: atypical mammographic appearances, Ikeda DM; Andersson I, Radiology 1989; **172:** 661

ductal carcinoma in situ: atypical mammographic appearances, Sullivan DC, Radiology 1990; **175:** 285

ductal carcinoma in situ: atypical mammographic appearances: reply, Ikeda DM; Andersson I, Radiology 1990; **175:** 285

ductal carcinoma in situ: mammographic findings and clinical implications, Dershaw DD; Abramson A; Kinne DW, Radiology 1989; **170:** 411

early breast cancer: a review, van Dongen JA, Acta Oncol 1989; **28:** 123

Edinburgh trial of screening for breast cancer: mortality at seven years, (ab), Roberts MM; Alexander FE; Anderson TJ; et al, Radiology 1990; **177:** 292

enzyme immunoassay of progesterone receptor in breast cancer biopsy samples: a comparison with the dextran coated charcoal method, Fernö M; Borg Å; Johansson U, Acta Oncol 1989; **28:** 19

estrogen and progesterone receptor analyses in more than 4000 human breast cancer samples: a study with special reference to age at diagnosis and stability of analyses, Fernö M; Borg Å; Johansson U; et al, Acta Oncol 1990; **29:** 129

estrogen receptor enzyme immunoassay in fine-needle aspirates from human breast cancer, Borg Å; Fernö M; Idvall I, Acta Oncol 1989; **28:** 187

first results on mortality reduction in the UK trial of early detection of breast cancer, (ab), UK Trial of Early Detection of Breast Cancer Group, Radiology 1989; **171:** 587

flow cytometry DNA ploidy and number of cell populations in the primary breast cancer and their correlation to the prognosis, Ewers S-B; Baldetorp B; Killander D; et al, Acta Oncol 1989; **28:** 913

frequency, sites of relapse, and outcome of regional node failures following conservative surgery and radiation for early breast cancer, Fowble BL; Solin LJ; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 703

hormones are ambiguous risk factors for breast cancer, Bulbrook RD; Thomas BS, Acta Oncol 1989; **28:** 841

how thoroughly should needle localization breast biopsies be sampled for microscopic examination: a prospective mammographic/pathologic correlative study, (ab), Owings DV; Hann L; Schnitt SJ, Radiology 1990; **177:** 291

hypercalcaemia in patients with disseminated breast cancer, Brada M; Rowley M; Grant DJ; et al, Acta Oncol 1990; **29:** 577

imaging insights: the breast lesion seen in only one view, (ab), Sickles EA, Radiology 1990; **177:** 291

indications for breast imaging in women under age 35 years, Harris VJ; Jackson VP, Radiology 1989; **172:** 445

infiltrating lobular carcinoma: mammographic patterns with pathologic correlation, Mendelson EB; Harris KM; Doshi N; et al, AJR 1989; **153:** 265

invasive breast cancer risk in women with sclerosing adenosis, (ab), Jensen RA; Page DL; DuPont WD; et al, Radiology 1990; **175:** 290

invasive papillary breast carcinoma: mammographic and sonographic appearance, Schneider JA, Radiology 1989; **171:** 377

invasive papillary carcinoma of the breast: mammographic appearance, Mitnick JS; Vazquez MF; Harris MN; Schechter S; Roses DF, Radiology 1990; **177:** 803

late cosmetic outcome after conservative surgery and radiotherapy: analysis of causes of cosmetic failure, Olivotto IA; Rose MA; Osteen RT; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 747

limitations of mammography in the identification of noninfiltrating carcinoma of the breast, (ab), Sener SF; Candela FC; Paige ML; et al, Radiology 1989; **170:** 584

lobular carcinoma in situ: mammographic-pathologic correlation of results of needle-directed biopsy, Sonnenfeld MR; Frenna TH; Weidner N; Meyer JE, Radiology 1991; **181:** 363

lobular carcinoma in situ of the breast: clinical, pathologic, and mammographic features, Beute BJ; Kalisher L; Hutter RVP, AJR 1991; **157:** 257

locally advanced breast cancer current status and future directions, Dorr FA; Bader J; Friedman MA, Int J Radiat Oncol Biol Phys 1989; **16:** 775

local-regional breast cancer recurrence following mastectomy, (ab), Crowe JP Jr; Gordon NH; Antunez AR; et al, Radiology 1991; **181:** 292

lymphoma of the breast, Paulus DD, Radiol Clin North Am 1990; **28:** 833

malignant myoepithelioma of the breast: a case report, Desautels JEL, J Canad Assoc Radiol 1990; **41:** 387

mammographically detected duct carcinoma in situ: frequency of local recurrence following tylectomy and prognostic effect of nuclear grade on local recurrence, (ab), Lagios MD; Margolin FR; Westdahl RP; et al, Radiology 1989; **172:** 884

mammographic features of intracystic papillary lesions, (ab), Estabrook A; Asch T; Gump F; et al, Radiology 1990; **176:** 589

mammographic follow-up of low-suspicion lesions: compliance rate and diagnostic yield, Helvie MA; Pennes DR; Rebner M; Adler DD, Radiology 1991; **178:** 155

mammographic reports and surgical referrals, Hall FM, Radiology 1989; **171:** 876

mammographic second opinions prior to biopsy of nonpalpable breast lesions, (ab), Hall FM, Radiology 1990; **176:** 588

mammography after prosthesis placement for augmentation or reconstructive mammoplasty, Dershaw DD; Chaglassian TA, Radiology 1989; **170:** 69

mammography as a radiographic examination: an overview, Vyborny CJ; Schmidt RA, Radiographics 1989; **9:** 723

mammography registry: considerations and options, Clark RA; King PS; Worden JK, Radiology 1989; **171:** 91

modulation in the radiosensitivity of MCF-7 human breast carcinoma cells by 17B-estradiol and tamoxifen, Wazer DE; Tercilla OF; Lin P-S; et al, Br J Radiol 1989; **62:** 1079

monoclonal antibodies reactive with human breast or ovarian carcinoma: in vivo applications, Thor AD; Edgerton SM, Semin Nucl Med 1989; **19:** 295

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

multimodal treatment for inflammatory breast cancer, Thoms WW Jr; McNeese MD; Fletcher GH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 739

natural history of breast cancer, Pontén J, Acta Oncol 1990; **29:** 325

natural history of breast cancer: implications for a screening strategy, Tubiana M; Koscielny S, Int J Radiat Oncol Biol Phys 1990; **19:** 1117

new device for evaluation of biopsy specimens of occult breast lesions, Lindfors KK; Lott SA; Alberhasky MT, AJR 1990; **154:** 261

nipple adenoma simulating carcinoma: misleading clinical, mammographic, sonographic, and cytologic findings, Fornage BD; Faroux MJ; Pluot M; et al, J Ultrasound Med 1991; **10:** 55

nonpalpable breast lesions at biopsy: a detailed analysis of radiographic features, (ab), Skinner MA; Swain M; Simmons R; et al, Radiology 1989; **170:** 584

nonpalpable breast lesions: diagnosis with slightly overpenetrated screen-film mammography and hook wire-directed biopsy in 1,014 cases, Silverstein MJ; Gamagami P; Colburn WJ; Gierson ED; Rosser RJ; Handel N; Waisman JR, Radiology 1989; **171:** 633

nonpalpable breast masses: radiologic predictability of malignancy, Hermann G; Keller RJ; Schwartz IS; et al, J Canad Assoc Radiol 1990; **41:** 130

nonpalpable in situ ductal carcinoma of the breast: predictors of multicentricity and microinvasion and implications for treatment, (ab), Schwartz GF; Patchefsky AS; Finklestein SD; et al, Radiology 1989; **172:** 586

non-palpable invasive breast carcinomas from the Stockholm screening project, von Rosen A; Frisell J; Glas U; et al, Acta Oncol 1989; **28:** 23

nonpalpable lesions in the augmented breast: preoperative localization, Robertson CL; Kopans DB; McCarthy KA; Hart NE, Radiology 1989; **173:** 873

Nottingham breast self-examination project, Blamey RW; Locker AP; Mitchell AK; et al, Acta Oncol 1989; **28:** 869

occult breast masses: use of a mammographic localizing grid for US evaluation, Conway WF; Hayes CW; Brewer WH, Radiology 1991; **181:** 143

oncogenes and tumor growth factors in breast cancer: a minireview, Ernberg IT, Acta Oncol 1990; **29:** 331

oral contraceptives and breast cancer: a review, Olsson H, Acta Oncol 1989; **28:** 849

oral high-dose progestins as treatment for advanced breast cancer, Lundgren S; Kvinnsland S; Utaaker E, Acta Oncol 1989; **28:** 811

paraffin tissue block radiography: adjunct to breast specimen radiography, Rebner M; Helvie MA; Pennes DR; Oberman HA; Ikeda DM; Adler DD, Radiology 1989; **173:** 695

pattern of spread and progression in relation to the characteristics of the primary tumour in human breast cancer, Kamby C; Andersen J; Ejlertsen B; et al, Acta Oncol 1991; **30:** 301

plasma estrone and estrone sulphate in breast cancer patients treated with the aromatase inhibitor CGS 16949A, Klepp R; Lønning PE; Kvinnsland S, Acta Oncol 1990; **29:** 469

predictors of distant relapse following conservative surgery and radiotherapy for early breast cancer are similar to those following mastectomy, Epstein AH; Connolly JL; Gelman R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 755

premenopausal breast cancer paients treated with conservative surgery, radiotherapy and adjuvant chemotherapy have a low risk of local failure, Rose MA; Henderson IC; Gelman R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 711

primary squamous cell carcinoma of the breast: mammographic findings, Tashjian J; Kuni CC; Bohn LE, J Canad Assoc Radiol 1989; **40:** 228

professional mammographic quality assessment program for a community hospital, Reinig JW; Strait CJ, Radiology 1991; **180:** 393

prognosis following local or regional recurrence after conservative surgery and radiotherapy for early stage breast carcinoma, Recht A; Schnitt SJ; Connolly JL; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 3

prognostic factors for recurrence and cosmesis in 393 patients after radiation therapy for early mammary carcinoma, Ryoo MC; Kagan AR; Wollin M; Tomé MA; Tedeschi MA; Rao AR; Hintz BL; Kuruvilla AM; Nussbaum H; Streeter OE Jr; Jabola BR; Miller MJ, Radiology 1989; **172:** 555

prognostic factors of breast recurrence in the conservative management of early breast cancer: a 25-year follow-up, Fourquet A; Campana F; Zafrani B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 719

proliferative disease and atypia in biopsies performed for nonpalpable lesions detected mammographically, (ab), Rubin E; Visscher DW; Alexander RW; et al, Radiology 1989; **170:** 583

pseudomyxoma peritonei from metastatic colloid carcinoma of the breast, Hawes D; Robinson R; Wira R, Gastrointest Radiol 1991; **16:** 80

radiological features of phylloides tumour of the breast with clinico-pathological correlation, Page JE; Williams JE, Clin Radiol 1991; **44:** 8

regulation of human breast cancer by secreted growth factors, Cullen KJ; Yee D; Bates SE; et al, Acta Oncol 1989; **28:** 835

relation of tumor size, lymph node status, and survival in 27,740 breast cancer cases, (ab), Carter CL; Allen C; Henson DE, Radiology 1989; **172:** 586

relationship of "high risk" mammographic patterns to histological risk factors for development of cancer in the human breast, Arthur JE; Ellis IO; Flowers C; et al, Br J Radiol 1990; **63:** 845

relationship of mammographic microcalcification to histologic malignancy: radiologic-pathologic correlation, Homer MJ; Safaii H; Smith TJ; et al, AJR 1989; **153:** 1187

residual breast carcinoma after biopsy: role of mammography in evaluation, Homer MJ; Schmidt-Ullrich R; Safaii H; Pile-Spellman ER; Marchant DJ; Smith TJ; Kelly K; Robert NJ, Radiology 1989; **170:** 75

role of the radiologist in screening for nonpalpable breast tumors in Sweden, Azavedo E; Svane G; Ringertz H, Invest Radiol 1991; **26:** 174

screening for breast cancer: the UK scene: the 69th Mackenzie Davidson Memorial Lecture, Forrest APM, Br J Radiol 1989; **62:** 695

second line hormonal therapy with aminoglutethimide in metastatic breast cancer, Brufman G; Biran S, Acta Oncol 1990; **29:** 717

simple mastectomy with postoperative irradiation versus extended radical mastectomy in breast cancer: a twenty-five-year follow-up of a randomized trial, Johansen H; Kaae S; Schiødt T, Acta Oncol 1990; **29:** 709

stage I and II breast carcinoma: treatment with limited surgery and radiation therapy versus mastectomy, Komaki R; Cox JD; Kister SJ; Gump FE; Estabrook A, Radiology 1990; **174:** 255

stage distribution of breast cancer: a basis for the evaluation of breast screening programmes, Bull A; Mountney L; Sanderson H, Br J Radiol 1991; **64:** 516

steroid receptor levels in breast cancer: relationships with age and menopausal status, Wilking N; Rutqvist LE; Nordenskjöld B; et al, Acta Oncol 1989; **28:** 807

superficial chest wall recurrences of breast cancer: prognostic treatment factors for combined radiation therapy and hyperthermia, Seegenschmiedt MH; Karlsson UL; Sauer R; Brady LW; Herbst M; Amendola BE; Markoe AM; Fisher SA; Micaily B, Radiology 1989; **173:** 551

tumor margin assessment as a guide to optimal conservation surgery and irradiation in early stage breast carcinoma, Schmidt-Ullrich R; Wazer DE; Tercilla O; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 733

usefulness of computers in managing the operation of a mammography screening practice, Sickles EA, AJR 1990; **155:** 755

validity of breast cancer registration from one hospital into the Swedish National Cancer Registry 1961–1970, Garne JP; Aspegren K; Möller T, Acta Oncol 1990; **29:** 125

well defined masses in the breast, Marsteller LP; Shaw de Paredes E, Radiographics 1989; **9:** 13

Breast neoplasms, CT

assessment of ultrasonic computed tomography in symptomatic breast patients by discriminant analysis, Scherzinger AL; Belgam RA; Carson PL; et al, Ultrasound Med Biol 1989; **15:** 21

CT-pathologic correlation of axillary lymph nodes in breast carcinoma, March DE; Wechsler RJ; Kurtz AB; et al, JCAT 1991; **15:** 440

internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer, Scatarige JC; Boxen I; Smathers RL, Radiographics 1990; **10:** 857

role of computed tomography in the investigation of recurrent axillary disease in patients with carcinoma of the breast, Olliff JFC; Cherryman GR, Clin Radiol 1990; **41:** 31

Breast neoplasms, diagnosis

acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Brenner RJ; Sickles EA, Radiology 1989; **171:** 645

acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Jackson FI, Radiology 1989; **173:** 580

accuracy of mammographic diagnosis in surgically occult breast lesions, Moskovic E; Sinnett HD; Parsons CA, Clin Radiol 1990; **41:** 344

asymmetric breast tissue, Kopans DB; Swann CA; White G; McCarthy KA; Hall DA; Belmonte SJ; Gallagher WJ, Radiology 1989; **171:** 639

asymmetric breast tissue, Homer MJ; Smith TJ, Radiology 1989; **173:** 577

asymmetric breast tissue: reply, Kopans DB, Radiology 1989; **173:** 577

breast cancer: mammographic and sonographic findings after augmentation mammoplasty, Leibman AJ; Kruse B, Radiology 1990; **174:** 195

breast cancers in women 35 years of age and younger: mammographic findings, Shaw de Paredes E; Marsteller LP; Eden BV, Radiology 1990; **177:** 117

breast disease: tissue characterization with Gd-DTPA enhancement profiles, Stack JP; Redmond OM; Codd MB; Dervan PA; Ennis JT, Radiology 1990; **174:** 491

breast hamartomas: variable mammographic appearance, Helvie MA; Adler DD; Rebner M; Oberman HA, Radiology 1989; **170:** 417

breast imaging: RSNA '89 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1990; **174:** 906

breast imaging. RSNA '90 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1991; **178:** 597

breast masses: mammographic evaluation, Sickles EA, Radiology 1989; **173:** 297

breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, Jackson VP, Radiology 1989; **170:** 578

breast specimen microcalcifications: radiographic validation and pathologic-radiologic correlation, D'Orsi CJ; Reale FR; Davis MA; Brown VJ, Radiology 1991; **180:** 397

calcifications in breast biopsy specimens: discrepancies in radiologic-pathologic identification, Stein MA; Karlan MS, Radiology 1991; **179:** 111

calcium oxalate microcalcifications in the breast, Surratt JT; Monsees BS; Mazoujian G, Radiology 1991; **181:** 141

clinically occult ductal carcinoma in situ detected with mammography: analysis of 100 cases with radiologic-pathologic correlation, Stomper PC; Connolly JL; Meyer JE; Harris JR, Radiology 1989; **172:** 235

color Doppler signals from breast tumors: work in progress, Cosgrove DO; Bamber JC; Davey JB; McKinna JA; Sinnett HD, Radiology 1990; **176:** 175

combining spot-compression and other special views to maximize mammographic information, Sickles EA, Radiology 1989; **173:** 571

combining spot-compression and other special views to maximize mammographic information: reply, Berkowitz JE, Radiology 1989; **173:** 571

comprehensive breast cancer detection in an academic environment, Hunter TB; Fajardo LL; Hunt KR; et al, Invest Radiol 1991; **26:** 598

corporate-sponsored breast cancer screening at the work site: results of a statewide program, Kessler HB; Rimer BK; Devine PJ; Gatenby RA; Engstrom PF, Radiology 1991; **179:** 107

cutaneous angiosarcoma of the breast 7 years after lumpectomy and radiation therapy, Rubin E; Maddox WA; Mazur MT, Radiology 1990; **174:** 258

decreased breast cancer mortality through mammographic screening, Evens RG, Radiology 1989; **170:** 575

decreased breast cancer mortality through mammographic screening: reply, Feig SA, Radiology 1989; **170:** 575

device for facilitating lesion localization in breast biopsies, Levinsohn EM, Radiology 1991; **181:** 603

diagnostic importance of the radiographic density of noncalcified breast masses: analysis of 91 lesions, Jackson VP; Dines KA; Bassett LW; et al, AJR 1991; **157:** 25

differentiation of radial scar from scirrhous carcinoma of the breast: mammographic-pathologic correlation, Mitnick JS; Vazquez MF; Harris MN; Roses DF, Radiology 1989; **173:** 697

ductal carcinoma in situ: atypical mammographic appearances, Ikeda DM; Andersson I, Radiology 1989; **172:** 661

ductal carcinoma in situ: atypical mammographic appearances, Sullivan DC, Radiology 1990; **175:** 285

ductal carcinoma in situ: atypical mammographic appearances: reply, Ikeda DM; Andersson I, Radiology 1990; **175:** 285

ductal carcinoma in situ: mammographic findings and clinical implications, Dershaw DD; Abramson A; Kinne DW, Radiology 1989; **170:** 411

ductoscopy: a new technique for ductal exploration, Berna JD; Garcia-Medina V; Kuni CC, Eur J Radiol 1991; **12:** 127

early breast cancer: detection of recurrence after conservative surgery and radiation therapy, Hassell PR; Olivotto IA; Mueller HA; Kingston GW; Basco VE, Radiology 1990; **176:** 731

effect of methylene blue on estrogen-receptor activity, Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III, Radiology 1989; **171:** 105

equivocal mammographic findings: evaluation with spot compression, Berkowitz JE; Gatewood OMB; Gayler BW, Radiology 1989; **171:** 369

fibroadenoma of the breast: sonographic appearance, Fornage BD; Lorigan JG; Andry E, Radiology 1989; **172:** 671

fine-needle aspiration of clinically occult breast lesions, Kopans DB, Radiology 1989; **170:** 313

follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Hall FM, Radiology 1989; **173:** 284

frozen section diagnosis of breast cancer, Eskelinen M; Collan Y; Puittinen J; et al, Acta Oncol 1989; **28:** 183

further simulator of a breast mass on a mammogram, Jackson FI, Radiology 1989; **173:** 284

immediate postoperative mammogram for failed surgical excision of breast lesions, Stein MA; Karlan MS, Radiology 1991; **178:** 159

immediate postoperative mammogram for failed surgical excision of breast lesions, Hall FM, Radiology 1991; **180:** 19

immediate postoperative mammogram for failed surgical excision of breast lesions: reply, Stein MA; Karlan MS, Radiology 1991; **180:** 20

impact of a priori medical decisions on screening for breast cancer, Moskowitz M, Radiology 1989; **171:** 605

indications for breast imaging in women under age 35 years, Harris VJ; Jackson VP, Radiology 1989; **172:** 445

indium-111-labeled B72.3 monoclonal antibody in the detection and staging of breast cancer: a phase I study, Lamki LM; Buzdar AU; Singletary SE; et al, J Nucl Med 1991; **32:** 1326

insurance policy to reduce the risk of dying from breast cancer, Chamberlain J, Clin Radiol 1989; **40:** 1

invasive lobular carcinoma: mammographic findings in a 10-year experience, Hilleren DJ; Andersson IT; Lindholm K; Linnell FS, Radiology 1991; **178:** 149

low-cost screening mammography: report on finances and review of 21,716 consecutive cases, Bird RE, Radiology 1989; **171:** 87

magnification spot compression of the breast, Hall FM, Radiology 1989; **173:** 284

mammographic and histologic correlations of microcalcifications, Shaw de Paredes E; Abbitt PL; Tabbarah S; Bickers MA; Smith DC, Radiographics 1990; **10:** 577

mammographic detection of breast cancer in women under the age of 35, Jeffries DO; Adler DD, Invest Radiol 1990; **25:** 67

mammographic detection of carcinoma of the breast in patients with augmentaion prostheses, (ab), Mitnick JS; Harris MN; Roses DF, Radiology 1989; **172:** 586

mammographic follow-up of nonpalpable low-suspicion breast abnormalities: one versus two views, Datoc PD; Hayes CW; Conway WF; Bosch HA; Neal MP, Radiology 1991; **180:** 387

mammography in women 35 years of age and younger, Freundlich IM, Radiology 1991; **181:** 288

medical audit of a rapid-throughput mammography screening practice: methodology and results of 27,114 examinations, Sickles EA; Ominsky SH; Sollitto RA; Galvin HB; Monticciolo DL, Radiology 1990; **175:** 323

medical audit of a rapid-throughput mammography screening practice, Beijerinck D; Borsje K; Peeters P; Rombach JJ, Radiology 1991; **178:** 285

medical audit of a rapid-throughput mammography screening practice: reply, Sickles EA, Radiology 1991; **178:** 285

medullary carcinoma of the breast, Kopans DB; Rubens J, Radiology 1989; **171:** 876

medullary carcinoma of the breast: mammographic and US appearance, Meyer JE; Amin E; Lindfors KK; Lipman JC; Stomper PC; Genest D, Radiology 1989; **170:** 79

mixed form diffusely scattered calcifications in breast cancer with apocrine features, Kopans DB; Nguyen PL; Koerner FC; White G; McCarthy KA; Hall DA; Mrose H; Cardenosa G, Radiology 1990; **177:** 807

mixed form, diffusely scattered calcifications in breast cancer with apocrine features, Homer MJ; Safaii H, Radiology 1991; **179:** 586

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

needle localization and fine-needle aspiration biopsy of nonpalpable breast lesions with use of standard and stereotactic equipment, Evans WP; Cade SH, Radiology 1989; **173:** 53

needle localization of nonpalpable breast lesions with a portable dual-grid compression system: work in progress, Chen HH; Bernstein JR; Paige ML; Crampton AR, Radiology 1989; **170:** 687

needle localization of nonpalpable breast lesions with current dedicated mammographic systems, Yagan R; Wiesen E; Skubic S; Bellon EM, Radiology 1989; **172:** 580

nipple simulating a breast mass on a mammogram, Gilula LA; Destouet JM; Monsees B, Radiology 1989; **170:** 272

noninterference of isosulfan blue on estrogen-receptor activity, Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III, Radiology 1989; **171:** 109

nonpalpable breast lesions: evaluation by means of fine-needle aspiration cytology, Hann LE; Ducatman BS; Wang HH; Fein V; McIntire JM, Radiology 1989; **171:** 373

nonpalpable breast lesions: findings of stereotaxic needle-core biopsy and fine-needle aspiration cytology, Dowlatshahi K; Yaremko ML; Kluskens LF; Jokich PM, Radiology 1991; **181:** 745

nonpalpable breast lesions: stereotactic automated large-core biopsies, Parker SH; Lovin JD; Jobe WE; Burke BJ; Hopper KD; Yakes WF, Radiology 1991; **180:** 403

nonpalpable breast lesions: stereotaxic fine-needle aspiration cytology, Ciatto S; Del Turco MR; Bravetti P, Radiology 1989; **173:** 57

nonpalpable breast tumors: diagnosis with stereotaxic localization and fine-needle aspiration, Dowlatshahi K; Gent HJ; Schmidt R; Jokich PM; Bibbo M; Sprenger E, Radiology 1989; **170:** 427

nonpalpable ductal carcinoma in situ versus infiltrating carcinoma of the breast—can they be differentiated by mammography?, Hermann G; Keller RJ; Halton K; et al, J Canad Assoc Radiol 1991; **42:** 219

optical spectroscopy (INVOS) is unreliable in detecting breast cancer, Bosanko CM; Baum JK; Clark K; et al, AJR 1990; **155:** 43

paraffin block radiography following breast biopsies: use of orthogonal views, Cardenosa G; Eklund GW, Radiology 1991; **180:** 873

performance of quality assurance audits by students, Roghair CA, Radiology 1990; **177:** 586

periodic mammographic follow-up of probably benign lesions: results in 3,184 consecutive cases, Sickles EA, Radiology 1991; **179:** 463

periodic mammographic follow-up of probably benign lesions, de Waal JC, Radiology 1991; **181:** 608

periodic mammographic follow-up of probably benign lesions, Sayler CB, Radiology 1991; **181:** 904

periodic mammographic follow-up of probably benign lesions: reply, Sickles EA, Radiology 1991; **181:** 905

prevalence of carcinoma in palpable vs impalpable, mammographically detected lesions, Bassett LW; Liu T-H; Giuliano AE; et al, AJR 1991; **157:** 21

primary and metastatic breast carcinoma: initial clinical evaluation with PET with the radiolabeled glucose analogue 2-[F-18]-fluoro-2-deoxy-D-glucose, Wahl RL; Cody RL; Hutchins GD; Mudgett EE, Radiology 1991; **179:** 765

professional quality assurance for mammography screening programs, Murphy WA Jr; Destouet JM; Monsees BS, Radiology 1990; **175:** 319

professional quality assurance for mammography screening programs, Bird RE, Radiology 1990; **177:** 587

radial sclerosing lesion of the breast: mammographic features, Adler DD; Helvie MA; Oberman HA; Ikeda DM; Bhan AO, Radiology 1990; **176:** 737

radiographically guided fine-needle aspiration of nonpalpable breast lesions, Helvie MA; Baker DE; Adler DD; Andersson I; Naylor B; Buckwalter KA, Radiology 1990; **174:** 657

residual breast carcinoma after biopsy: role of mammography in evaluation, Homer MJ; Schmidt-Ullrich R; Safaii H; Pile-Spellman ER; Marchant DJ; Smith TJ; Kelly K; Robert NJ, Radiology 1989; **170:** 75

shadows over screening mammography, Skrabanek P, Clin Radiol 1989; **40:** 4

simulators of a breast mass on a mammogram, Jackson FI; Woods JA, Radiology 1989; **171:** 877

stereotactic breast biopsy with a biopsy gun, Parker SH; Lovin JD; Jobe WE; Luethke JM; Hopper KD; Yakes WF; Burke BJ, Radiology 1990; **176:** 741

stereotactic breast biopsy with a biopsy gun, Jaeger HJ; Kruegener GH; MacFie J; Glaves I, Radiology 1991; **179:** 586

stereotaxic localisation and aspiration cytology of impalpable breast lesions, Dent DM; Kirkpatrick AE; McGoogan E; et al, Clin Radiol 1989; **40:** 380

stereotaxic needle-core biopsy and fine-needle aspiration cytologic evaluation of nonpalpable breast lesions, Jackson VP; Reynolds HE, Radiology 1991; **181:** 633

subtle and atypical mammographic features of invasive lobular carcinoma, Sickles EA, Radiology 1991; **178:** 25

suture calcification mimicking recurrence in the irradiated breast: a potential pitfall in mammographic evaluation, Davis SP; Stomper PC; Weidner N; Meyer JE, Radiology 1989; **172:** 247

ultrasonography of breast lesions detected in mammography screening, Pamilo M; Soiva M; Anttinen I; et al, Acta Radiol 1991; **32:** 220

use of biostereometric analysis as a screen for breast cancer, Loughry CW; Sheffer DB; Price TE; et al, Invest Radiol 1991; **26:** 528

use of duplex Doppler ultrasound in the diagnosis of breast cancer, Britton PD; Coulden RA, Clin Radiol 1990; **42:** 399

when is it malpractice to miss breast cancer on mammograms?, Hall FM, Radiology 1990; **176:** 876

Breast neoplasms, localization

breast imaging. RSNA '88 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1989; **170:** 599

breast immobilization for occult mass aspiration, Pennes DR, Radiology 1989; **171:** 286

breast immobilization for occult mass aspiration: reply, Meyer JE, Radiology 1989; **171:** 286

immediate postoperative mammogram for failed surgical excision of breast lesions, Stein MA; Karlan MS, Radiology 1991; **178:** 159

immediate postoperative mammogram for failed surgical excision of breast lesions, Hall FM, Radiology 1991; **180:** 19

immediate postoperative mammogram for failed surgical excision of breast lesions: reply, Stein MA; Karlan MS, Radiology 1991; **180:** 20

interventional breast ultrasonography, D'Orsi CJ; Mendelson EB, Semin US CT MR 1989; **10:** 132

mammographic hook wire localization—a step by step guide, Albertyn LE; Humeniuk V, Australas Radiol 1989; **33:** 97

mammographic localization and biopsy of nonpalpable breast lesions. a 5-year study, (ab), Thompson WR; Bowen R; Dorman BA; et al, Radiology 1991; **181:** 910

mammographic wire localization in diagnosis and treatment of occult carcinoma of the breast, (ab), Petrovitch JA; Ross DS; Sullivan JW; et al, Radiology 1989; **172:** 884

minimal-volume excision of nonpalpable breast lesions, Gallagher WJ; Cardenosa G; Rubens JR; et al, AJR 1989; **153:** 957

new apparatus for the localization of nonpalpable mammary lesions, Bernâ JD; Garcia-Medina V; Perez J; et al, Eur J Radiol 1991; **12:** 187

new coaxial needle for pre-operative localization of breast abnormalities, Schoenberger SG; Bamber JC; Rank W; et al, Br J Radiol 1991; **64:** 699

nonpalpable breast lesions: diagnosis with slightly overpenetrated screen-film mammography and hook wire-directed biopsy in 1,014 cases, Silverstein MJ; Gamagami P; Colburn WJ; Gierson ED; Rosser RJ; Handel N; Waisman JR, Radiology 1989; **171:** 633

nonpalpable breast lesions: evaluation by means of fine-needle aspiration cytology, Hann LE; Ducatman BS; Wang HH; Fein V; McIntire JM, Radiology 1989; **171:** 373

nonpalpable breast lesions: stereotactic automated large-core biopsies, Parker SH; Lovin JD; Jobe WE; Burke BJ; Hopper KD; Yakes WF, Radiology 1991; **180:** 403

nonpalpable breast tumors: diagnosis with stereotaxic localization and fine-needle aspiration, Dowlatshahi K; Gent HJ; Schmidt R; Jokich PM; Bibbo M; Sprenger E, Radiology 1989; **170:** 427

nonpalpable lesions in the augmented breast: preoperative localization, Robertson CL; Kopans DB; McCarthy KA; Hart NE, Radiology 1989; **173:** 873

occult breast masses: use of a mammographic localizing grid for US evaluation, Conway WF; Hayes CW; Brewer WH, Radiology 1991; **181:** 143

percutaneous US needle localization of occult breast lesions, Jackson FI; Terry TJ, Radiology 1989; **171:** 286

periodic mammographic follow-up of probably benign lesions: results in 3,184 consecutive cases, Sickles EA, Radiology 1991; **179:** 463

periodic mammographic follow-up of probably benign lesions, de Waal JC, Radiology 1991; **181:** 608

periodic mammographic follow-up of probably benign lesions, Sayler CB, Radiology 1991; **181:** 904

periodic mammographic follow-up of probably benign lesions: reply, Sickles EA, Radiology 1991; **181:** 905

practical aspects of mammographic-pathological correlation: experience with needle localization, Samuels TH; Kerenyi N; Taylor G; et al, J Canad Assoc Radiol 1990; **41:** 127

predictive value of needle localization mammographically assisted biopsy of the breast, (ab), Senofsky GM; Davies RJ; Olson L; et al, Radiology 1991; **179:** 590

preoperative CT-guided percutaneous localization of small masses with a Kopans needle, Finch IJ, AJR 1991; **157:** 179

preoperative imaging-guided needle placement and localization of clinically occult breast lesions, Kopans DB; Swann CA, AJR 1989; **152:** 1

preoperative localization of inferior breast lesions, Pisano ED; Hall FM, AJR 1989; **153:** 272

preoperative needle-marking of non-palpable breast lesions, Søholm S; Conrad C, Acta Radiol 1989; **30:** 223

radiographically guided fine-needle aspiration of nonpalpable breast lesions, Helvie MA; Baker DE; Adler DD; Andersson I; Naylor B; Buckwalter KA, Radiology 1990; **174:** 657

stereotactic breast biopsy with a biopsy gun, Parker SH; Lovin JD; Jobe WE; Luethke JM; Hopper KD; Yakes WF; Burke BJ, Radiology 1990; **176:** 741

stereotactic breast biopsy with a biopsy gun, Jaeger HJ; Kruegener GH; MacFie J; Glaves I, Radiology 1991; **179:** 586

toluidine blue dye as a breast localization marker, Czarnecki DJ; Feider HK; Splittgerber GF, AJR 1989; **153:** 261

Breast neoplasms, male

intracystic papillary breast carcinoma in a 55-year-old man: radiologic and pathologic correlation, Chinn K; Kalisher L; Rickert RR, J Canad Assoc Radiol 1989; **40:** 40

metastatic carcinoma to the male breast, Ramamurthy L; Cooper RA, Br J Radiol 1991; **64:** 277

Breast neoplasms, metastases

association between number and sites of new bone scan abnormalities and presence of skeletal metastases in patients with breast cancer, Jacobson AF; Stomper PC; Jochelson MS; et al, J Nucl Med 1990; **31:** 387

bone imaging of hyoid bone metastasis, Jacobsson H; Bergstedt HF, Clin Nucl Med 1989; **14:** 136

bone secondaries in breast cancer: the solitary metastasis, Boxer DI; Todd CEC; Coleman R; et al, J Nucl Med 1989; **30:** 1318

case of breast carcinoma with sarcomatous metaplasia, Thompson AJ; Machin L, Clin Radiol 1989; **40:** 98

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

conventional radiograms for assessment of salm-calcitonin therapy for bone metastases from breast carcinoma, Geyer J; Quadt C; Perlick E; et al, Eur J Radiol 1991; **12:** 124

CT and pathologic correlation of Tc-99m medronate splenic uptake in metastatic breast carcinoma, Boyko OB; Rippe DJ, Comput Med Imag Graph 1991; **15:** 23

cystosarcoma phylloides: calcified pulmonary metastases detected by computed tomography, Samuels TH; Kerenyi N; Hamilton PA, J Canad Assoc Radiol 1990; **41:** 217

detection of clinically occult axillary metastases from breast cancer during stress Tl-201 scintigraphy, Hagenauer M; Silberstein EB, Clin Nucl Med 1991; **16:** 520

detection of hepatic metastases in breast cancer: the role of nonenhanced and enhanced CT scanning, DuBrow RA; David CL; Libshitz HI; et al, JCAT 1990; **14:** 366

impact of microinvasion on axillary metastases and survival in patients with intraductal breast cancer, (ab), Wong JH; Kopald KH; Morton DL, Radiology 1991; **179:** 293

internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer, Scatarige JC; Boxen I; Smathers RL, Radiographics 1990; **10:** 857

neu (c-erbB-2) oncogene in breast cancer and its possible association with the risk of distant metastases: a retrospective study and review of literature, Makar AP; Desmedt EJ; De Potter CR; et al, Acta Oncol 1990; **29:** 931

parasternal sonography of the internal mammary vessels: technique, normal anatomy, and lymphadenopathy, Scatarige JC; Hamper UM; Sheth S; Allen HA III, Radiology 1989; **172:** 453

parotid metastases from carcinoma of the breast, Bissett D; Bessell EM; Bradley PJ; et al, Clin Radiol 1989; **40:** 309

primary and metastatic breast carcinoma: initial clinical evaluation with PET with the radiolabeled glucose analogue 2-[F-18]-fluoro-2-deoxy-D-glucose, Wahl RL; Cody RL; Hutchins GD; Mudgett EE, Radiology 1991; **179:** 765

role of US in breast imaging, Jackson VP, Radiology 1990; **177:** 305

scatter dose from tangential breast irradiation to the uninvolved breast, Muller-Runkel R; Kalokhe UP, Radiology 1990; **175:** 873

scatter dose from tangential breast irradiation to the uninvolved breast, Chilcote WS, Radiology 1991; **179:** 584

scirrhous carcinoma of the stomach: radiologic and endoscopic diagnosis, Levine MS; Kong V; Rubesin SE; Laufer I; Herlinger H, Radiology 1990; **175:** 151

significance of laboratory values in detection and follow-up of metastatic breast cancer, Kellokumpu-Lehtinen P; Huovinen R; Johansson R, Acta Oncol 1990; **29:** 313

systemic therapy of metastatic breast cancer, Rose C, Acta Oncol 1990; **29:** 361

ultrasonic patterns observed in hepatic metastases from breast carcinoma: diagnosis and evolution, Martinez A; Sánchez M; Roselló R; et al, Gastrointest Radiol 1989; **14:** 49

Breast neoplasms, MR

axillary fibrosis or recurrent tumour. an MRI study in breast cancer, Moore NR; Dixon AK; Wheeler TK; et al, Clin Radiol 1990; **42:** 42

breast disease: tissue characterization with Gd-DTPA enhancement profiles, Stack JP; Redmond OM; Codd MB; Dervan PA; Ennis JT, Radiology 1990; **174:** 491

breast imaging: RSNA '89 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1990; **174:** 906

breast imaging. RSNA '90 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1991; **178:** 597

gadopentetate dimeglumine-enhanced chemical-shift MR imaging of the breast, Rubens D; Totterman S; Chacko AK; et al, AJR 1991; **157:** 267

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer, Scatarige JC; Boxen I; Smathers RL, Radiographics 1990; **10:** 857

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

MR imaging of the breast: fast imaging sequences with and without Gd-DTPA. preliminary observations, Kaiser WA; Zeitler E, Radiology 1989; **170:** 681

role of magnetic resonance imaging in the assessment of local recurrent breast carcinoma, Lewis-Jones HG; Whitehouse GH; Leinster SJ, Clin Radiol 1991; **43:** 197

studies of the metabolism of human breast cancer spheroids by NMR, Ronen S; Degani H, Magn Res Med 1989; **12:** 274

therapeutic response of breast carcinoma monitored by ^{31}P MRS *in situ*, Ng TC; Grundfest SF; Vijayakumar S; et al, Magn Res Med 1989; **10:** 125

three-dimensional gadolinium-enhanced MR imaging of the breast: pulse sequence with fat suppression and magnetization transfer contrast. work in progress, Pierce WB; Harms SE; Flamig DP; Griffey RH; Evans WP; Hagans JE, Radiology 1991; **181:** 757

Breast neoplasms, postoperative

breast microcalcifications after lumpectomy and radiation therapy, Rebner M; Pennes DR; Adler DD; Helvie MA; Lichter AS, Radiology 1989; **170:** 691

breast microcalcifications after lumpectomy and radiation therapy, Hall FM, Radiology 1989; **172:** 577

cutaneous angiosarcoma of the breast 7 years after lumpectomy and radiation therapy, Rubin E; Maddox WA; Mazur MT, Radiology 1990; **174:** 258

early breast cancer: detection of recurrence after conservative surgery and radiation therapy, Hassell PR; Olivotto IA; Mueller HA; Kingston GW; Basco VE, Radiology 1990; **176:** 731

residual breast carcinoma after biopsy: role of mammography in evaluation, Homer MJ; Schmidt-Ullrich R; Safaii H; Pile-Spellman ER; Marchant DJ; Smith TJ; Kelly K; Robert NJ, Radiology 1989; **170:** 75

superficial chest wall recurrences of breast cancer: prognostic treatment factors for combined radiation therapy and hyperthermia, Seegenschmiedt MH; Karlsson UL; Sauer R; Brady LW; Herbst M; Amendola BE; Markoe AM; Fisher SA; Micaily B, Radiology 1989; **173:** 551

Breast neoplasms, radiography

is what you see what you get? breast specimen handling re-visited, Rose A; Osborne J; Wright G; et al, Australas Radiol 1991; **35:** 145

Breast neoplasms, radionuclide studies

apparent left ventricular aneurysm due to unilateral secretion of Tc-99m pertechnetate in a nursing mother with breast cancer, Cassidy DB; Goldstein RA; Wu DB; et al, Clin Nucl Med 1990; **15:** 264

assessment of 21-[^{18}F]fluoro-16α-ethyl-19-norprogesterone as a positron-emitting radiopharmaceutical for the detection of progestin receptors in human breast carcinomas, Dehdashti F; McGuire AH; Van Brocklin HF; et al, J Nucl Med 1991; **32:** 1532

bone imaging in unusually massive breast carcinoma with chest wall invasion, Swayne LC, Clin Nucl Med 1991; **16:** 593

detection of clinically occult axillary metastases from breast cancer during stress Tl-201 scintigraphy, Hagenauer M; Silberstein EB, Clin Nucl Med 1991; **16:** 520

imaging of breast cancer with [^{18}F]fluorodeoxyglucose and positron emission tomography, Kubota K; Matsuzawa T; Amemiya A; et al, JCAT 1989; **13:** 1097

indium-111-labeled B72.3 monoclonal antibody in the detection and staging of breast cancer: a phase I study, Lamki LM; Buzdar AU; Singletary SE; et al, J Nucl Med 1991; **32:** 1326

internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer, Scatarige JC; Boxen I; Smathers RL, Radiographics 1990; **10:** 857

malignant lymphoma of the breast detected by gallium-67 scintigraphy, Ohta H; Kotoura H; Ikeuchi D; et al, Clin Nucl Med 1990; **15:** 650

new simplified lymphoscintigraphic technique in patients with breast cancer, Terui S; Yamamoto H, J Nucl Med 1989; **30:** 1198

positron tomographic assessment of 16α-[^{18}F] fluoro-17β-estradiol uptake in metastatic breast carcinoma, McGuire AH; Dehdashti F; Siegel BA; et al, J Nucl Med 1991; **32:** 1526

primary and metastatic breast carcinoma: initial clinical evaluation with PET with the radiolabeled glucose analogue 2-[F-18]-fluoro-2-deoxy-D-glucose, Wahl RL; Cody RL; Hutchins GD; Mudgett EE, Radiology 1991; **179:** 765

thallium-201 single photon emission computed tomograms of double cancers: lung and breast, Tonami N; Yokoyama K; Michigishi T; et al, Clin Nucl Med 1989; **14:** 594

uptake of technetium-99m sulfur colloid by a breast carcinoma, Calandra JD; Ryerson TW; Cahill E, Clin Nucl Med 1990; **15:** 432

Breast neoplasms, staging

axillary sampling and the risk of erroneous staging of breast cancer: an analysis of 960 consecutive patients, Mathiesen O; Carl J; Bonderup O; et al, Acta Oncol 1990; **29:** 721

indium-111-labeled B72.3 monoclonal antibody in the detection and staging of breast cancer: a phase I study, Lamki LM; Buzdar AU; Singletary SE; et al, J Nucl Med 1991; **32:** 1326

Breast neoplasms, surgery

local-regional breast cancer recurrence following mastectomy, (ab), Crowe JP Jr; Gordon NH; Antunez AR; et al, Radiology 1991; **181:** 292

Breast neoplasms, therapeutic radiology

age as a prognostic factor for patients treated with definitive irradiation for early stage breast cancer, Solin LJ; Fowble BL; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 373

alternate day treatment and late effects: the concept of an effective dose per fraction, Courdi A; Héry M; Gabillat J-M, Int J Radiat Oncol Biol Phys 1990; **19:** 1225

alternating radiotherapy and chemotherapy in non-metastatic inflammatory breast cancer, Arriagada R; Mouriesse H; Spielmann M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1207

arm edema after radiation therapy: host factors, Steinfeld AD, Radiology 1991; **180:** 18

arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J, Radiology 1991; **180:** 177

bilateral breast carcinoma treated with definitive irradiation, Solin LJ; Fowble BL; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 263

breast appearance and function after breast conserving surgery and radiotherapy, Hamilton CS; Nield JM; Adler GF; et al, Acta Oncol 1990; **29:** 291

breast conservation radiation therapy technique for women with large breasts, Cross MA; Elson HR; Aron BS, Int J Radiat Oncol Biol Phys 1989; **17:** 199

breast conserving surgery and definitive irradiation for early stage breast cancer, Hallahan DE; Michel AG; Halpern HJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1211

breast microcalcifications after lumpectomy and radiation therapy, Rebner M; Pennes DR; Adler DD; Helvie MA; Lichter AS, Radiology 1989; **170:** 691

breast microcalcifications after lumpectomy and radiation therapy, Hall FM, Radiology 1989; **172:** 577

breast recurrence following conservative surgery and radiation: patterns of failure, prognosis, and pathologic findings from mastectomy specimens with implications for treatment, Fowble BL; Solin LJ; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 833

can simulation measurements be used to predict the irradiated lung volume in the tangential fields in patients treated for breast cancer?, Bornstein BA; Cheng CW; Rhodes LM; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 181

changing role of radiation therapy in the treatment of primary breast cancer, Monyak D; Levitt S, Invest Radiol 1989; **24:** 483

comparison of contralateral breast doses from 1/2 beam block and isocentric treatment techniques for patients treated with primary breast irradiation with ^{60}CO, Tercilla O; Krasin F; Lawn-Tsao L, Int J Radiat Oncol Biol Phys 1989; **17:** 205

computer-CT planning of the electron boost in definitive breast irradiation, Regine WF; Ayyangar KM; Komarnicky LT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 121

consequences of breast irradiation in patients with pre-existing collagen vascular diseases, Fleck R; McNeese MD; Ellerbroek NA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 829

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

conservative treatment of early breast cancer: long-term results of 1232 cases treated with quadrantectomy, axillary dissection, and radiotherapy, (ab), Veronesi U; Salvadori B; Luini A; et al, Radiology 1990; **177:** 292

cosmetic results after surgery, chemotherapy, and radiation therapy for early breast cancer, Abner AL; Recht A; Vicini FA; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 331

cutaneous angiosarcoma of the breast 7 years after lumpectomy and radiation therapy, Rubin E; Maddox WA; Mazur MT, Radiology 1990; **174:** 258

definitive irradiation for intraductal carcinoma of the breast, Solin LJ; Fowble BL; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 843

definitive irradiation for localized non-Hodgkin's lymphoma of breast, DeBlasio D; McCormick B; Straus D; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 843

dose volume histogram analysis of lung radiation from chest wall treatment: comparison of electron arc and tangential photon beam techniques, McNeely LK; Leavitt DD; Egger MJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 515

duct carcinoma *in situ* of the breast: an analysis of local control after conservation surgery and radiotherapy, McCormick B; Rosen PP; Kinne D; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 289

effect of a dynamic wedge in the medial tangential field upon the contralateral breast dose, McParland BJ, Int J Radiat Oncol Biol Phys 1990; **19:** 1515

effect of thoracic irradiation for cancer of the breast on ventilation, perfusion and pulmonary permeability: a one-year follow-up, Groth S; Johansen H; Sørensen PG; et al, Acta Oncol 1989; **28:** 671

effect on pulmonary function of tangential field technique in radiotherapy for carcinoma of the breast, Lund MB; Myhre KI; Melsom H; et al, Br J Radiol 1991; **64:** 520

evaluation of radiotherapy in high-risk breast cancer patients: report from the Danish Breast Cancer Cooperative Group (DBCG 82) trial, Overgaard M; Christensen JJ; Johansen H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1121

external irradiation prior to conservative surgery for breast cancer treatment, Calitchi E; Otmezguine Y; Feuilhade F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 325

fractionation sensitivity of a functional endpoint: impaired shoulder movement after post-mastectomy radiotherapy, Bentzen SM; Overgaard M; Thames HD, Int J Radiat Oncol Biol Phys 1989; **17:** 531

hyperthermia and radiation therapy of local-regional recurrent breast cancer: prognostic factors for response and local control of diffuse or nodular tumors, Kapp DS; Barnett TA; Cox RS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1147

inflammatory carcinoma of the breast: treatment results on 107 patients, Fields JN; Perez CA; Kuske RR; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 249

influence of radiation therapy on the lung-tissue in breast cancer patients: CT-assessed density changes and associated symptoms, Rotstein S; Lax I; Svane G, Int J Radiat Oncol Biol Phys 1990; **18:** 173

irradiation of prosthetically augmented breasts: a retrospective study on toxicity and cosmetic results, Halpern J; McNeese MD; Kroll SS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 189

isolated local-regional recurrence of breast cancer following mastectomy: radiotherapeutic management, Halverson KJ; Perez CA; Kuske RR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 851

locally advanced breast cancer treated with neutron beams: long-term follow-up in 28 patients, Halpern J; Maor MH; Hussey DH; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 825

locally advanced (noninflammatory) carcinoma of the breast: results and comparison of various treatment modalities, Graham MV; Perez CA; Kuske RR; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 311

local recurrence after breast-conserving surgery and radiotherapy: what have we learned?, Kurtz JM; Spitalier J-M, Int J Radiat Oncol Biol Phys 1990; **19:** 1087

local recurrence after breast-conserving surgery and radiotherapy: frequency, time course, and prognosis, (ab), Kurtz JM; Amalric R; Brandone H; et al, Radiology 1990; **174:** 291

local-regional recurrence in breast cancer after mastectomy and adriamycin-based adjuvant chemotherapy: evaluation of the role of postoperative radiotherapy, Sykes HF; Sim DA; Wong CJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 641

long-range results for breast cancer patients treated by radical mastectomy and postoperative radiation without adjuvant chemotherapy: an update, Fletcher GH; McNeese MD; Oswald MJ, Int J Radiat Oncol Biol Phys 1989; **17:** 11

long-term follow-up of sickness periods in breast cancer patients primarily treated with surgery and radiotherapy or surgery only, Rotstein S; Nilsson B; Gustavson-Kadaka E; et al, Acta Oncol 1989; **28:** 817

long-term risk of sarcoma following radiation treatment for breast cancer, Taghian A; de Vathaire F; Terrier P; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 361

mammographic features of the postlumpectomy, postirradiation breast, Harris KM; Costa-Greco MA; Baratz AB; Britton CA; Ilkhanipour ZS; Ganott MA, Radiographics 1989; **9:** 253

mortality patterns over 34 years of breast cancer patients in a clinical trial of post-operative radiotherapy, Jones JM; Ribeiro GG, Clin Radiol 1989; **40:** 204

nondivergent three field matching technique for breast irradiation, Chu JCH; Solin LJ; Hwang CC; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1037

oncology/radiation therapy: RSNA '88 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1989; **170:** 917

oncology/radiation therapy. RSNA '90 meeting notes, Sagerman RH; Cooper J; Cox JD; Wharam M, Radiology 1991; **178:** 606

patient's perception of her breast following radiation and limited surgery, McCormick B; Yahalom J; Cox L; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1299

primary breast irradiation in large-breasted or heavy women: analysis of cosmetic outcome, Gray JR; McCormick B; Cox L; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 347

prognosis following local or regional recurrence after conservative surgery and radiotherapy for early stage breast carcinoma, Recht A; Schnitt SJ; Connolly JL; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 3

prognosis following local recurrence in the conservatively treated breast cancer patient, Haffty BG; Fischer D; Beinfield M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 293

prognostic factors for recurrence and cosmesis in 393 patients after radiation therapy for early mammary carcinoma, Ryoo MC; Kagan AR; Wollin M; Tomé MA; Tedeschi MA; Rao AR; Hintz BL; Kuruvilla AM; Nussbaum H; Streeter OE Jr; Jabola BR; Miller MJ, Radiology 1989; **172:** 555

prognostic significance of breast relapse after conservative treatment in node-negative early breast cancer, Chauvet B; Reynaud-Bougnoux A; Calais G; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1125

prognostic significance of late local recurrence after breast-conserving therapy, Kurtz JM; Spitalier J-M; Amalric R; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 87

radiation-induced brachial plexus neuropathy in breast cancer patients, Olsen NK; Pfeiffer P; Mondrup K; et al, Acta Oncol 1990; **29:** 885

radiation pneumonitis in breast cancer patients treated with conservative surgery and radiation therapy, Lingos TI; Recht A; Vicini F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 355

radiation therapy for intraductal carcinoma: is it an equal alternative?, (ab). Silverstein MJ; Waisman JR; Gierson ED; et al, Radiology 1991; **181:** 293

radiobiological advantages of an immediate interstitial boost dose in conservative treatment of breast cancer, Krishnan EC; Krishnan L; Cytaki EP; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 419

radiotherapy and breast reconstruction: clinical results and dosimetry, Kuske RR; Schuster R; Klein E; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 339

radiotherapy, chemotherapy, and tamoxifen as adjuncts to surgery in early breast cancer: a summary of three randomized trials, Rutqvist LE; Cedermark B; Glas U; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 629

regional nodal irradiation in the conservative treatment of breast cancer, Haffty BG; Fischer D; Fischer JJ, Int J Radiat Oncol Biol Phys 1990; **19:** 859

results of breast conserving treatment of breast cancer, Hamilton CS; Nield JM; Adler GF; et al, Acta Oncol 1990; **29:** 137

results of conservative surgery and radiation therapy for multiple synchronous cancers of one breast, Leopold KA; Recht A; Schnitt SJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 11

results of mastectomy and postoperative irradiation in the management of locoregionally advanced carcinoma of the breast, Strom EA; McNeese MD; Fletcher GH; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 319

results of radiation therapy for isolated local regional recurrence after mastectomy, Schwaibold F; Fowble BL; Solin LJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 299

results of the 1983 patterns of care process survey for definitive breast irradiation, Solin LJ; Fowble BL; Martz KL; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 105

results of wide excision for mammary recurrence after breast-conserving therapy, (ab), Kurtz JM; Amalric R; Brandone H; et al, Radiology 1989; **170:** 584

reverse hockey stick technique: postmastectomy radiation therapy for breast cancer patients with locally advanced tumor presentation or extensive loco-regional recurrence, Pezner RD; Lipsett JA; Forell B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 191

role of limited surgery with irradiation in primary treatment of ductal *in situ* breast cancer, Stotter AT; McNeese M; Oswald MJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 283

scatter dose from tangential breast irradiation to the uninvolved breast, Muller-Runkel R; Kalokhe UP, Radiology 1990; **175:** 873

scatter dose from tangential breast irradiation to the uninvolved breast, Chilcote WS, Radiology 1991; **179:** 584

sector resection with and without radiotherapy in early breast cancer: presentation of two ongoing prospective multicenter studies in Sweden, Holmberg L, Acta Oncol 1989; **28:** 927

significance of the pathology margins of the tumor excision on the outcome of patients treated with definitive irradiation for early stage breast cancer, Solin LJ; Fowble BL; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 279

simple mastectomy with postoperative irradiation versus extended radical mastectomy in breast cancer: a twenty-five-year follow-up of a randomized trial, Johansen H; Kaae S; Schiødt T, Acta Oncol 1990; **29:** 709

stage I and II breast carcinoma: treatment with limited surgery and radiation therapy versus mastectomy, Komaki R; Cox JD; Kister SJ; Gump FE; Estabrook A, Radiology 1990; **174:** 255

subclavian artery occlusion after radiotherapy for carcinoma of the breast, (ab), Hashmonai M; Elami A; Kuten A; et al, Radiology 1989; **170:** 587

superficial chest wall recurrences of breast cancer: prognostic treatment factors for combined radiation therapy and hyperthermia, Seegenschmiedt MH; Karlsson UL; Sauer R; Brady LW; Herbst M; Amendola BE; Markoe AM; Fisher SA; Micaily B, Radiology 1989; **173:** 551

technique for breast irradiation using custom blocks conforming to the chest wall contour, Hartsell WF; Murthy AK; Kiel KD; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 189

technique for treating local breast cancer using a single set-up point and asymmetric collimation, Rosenow UF; Valentine ES; Davis LW, Int J Radiat Oncol Biol Phys 1990; **19:** 183

ten year results of conservative surgery and irradiation for stage I and II breast cancer, Fowble BL; Solin LJ; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 269

therapeutic response of breast carcinoma monitored by ^{31}P MRS *in situ*, Ng TC; Grundfest SF; Vijayakumar S; et al, Magn Res Med 1989; **10:** 125

three-dimensional photon dose distributions with and without lung corrections for tangential breast intact treatments, Chin LM; Cheng CW; Siddon RL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1327

three-dimensional photon treatment planning of the intact breast, Solin LJ; Chu JCH; Sontag MR; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 193

treatment options in early breast cancer, Krishnan L; Krishnan EC; Mansfield CM; Reddy EK; Thomas JH; Jewell WR, Radiographics 1989; **9:** 1067

tumorectomy and radiation therapy in early breast cancer: a report on 392 patients, Dubois JB; Saumon-Reme M; Gary-Bobo J; Pourquier H; Pujol H, Radiology 1990; **175:** 867

use of a specific hypofractionated radiation therapy regimen versus classical fractionation in the treatment of breast cancer: a randomized study of 230 patients, Baillet F; Housset M; Maylin C; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1131

use of lymphoscintigraphy in treatment planning of primary breast cancer, Hunt MA; Shank B; McCormick B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 597

Breast neoplasms, therapy

adjuvant chemotherapy (CMF) for stage III breast cancer: a randomized trial, Derman DP; Browde S; Kessel IL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 257

adjuvant treatment with high dose medroxyprogesterone acetate in node-negative early breast cancer: a 3-year interim report on a randomized trial (I), Focan C; Baudoux A; Beauduin M; et al, Acta Oncol 1989; **28:** 237

advanced breast cancer: a randomised trial of epidoxorubicin at two different dosages and two administration systems, Ebbs SR; Saunders JA; Graham H; et al, Acta Oncol 1989; **28:** 887

alternating radiotherapy and chemotherapy in non-metastatic inflammatory breast cancer, Arriagada R; Mouriesse H; Spielmann M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1207

antiemetic efficacy of thiethylperazine and methylprednisolone versus thiethylperazine and placebo in breast cancer patients treated with adjuvant chemotherapy (fluorouracil, doxorubicin and cyclophosphamide): a ramdomized, double-blind, cross-over trial, Diaz-Rubio E; Martin M; Rosell R; et al, Acta Oncol 1991; **30:** 339

breast appearance and function after breast conserving surgery and radiotherapy, Hamilton CS; Nield JM; Adler GF; et al, Acta Oncol 1990; **29:** 291

breast conserving surgery and definitive irradiation for early stage breast cancer, Hallahan DE; Michel AG; Halpern HJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1211

breast-conserving therapy for macroscopically multiple cancers, (ab), Kurtz JM; Jacquemier J; Amalric R; et al, Radiology 1991; **178:** 588

breast microcalcifications after lumpectomy and radiation therapy, Rebner M; Pennes DR; Adler DD; Helvie MA; Lichter AS, Radiology 1989; **170:** 691

breast microcalcifications after lumpectomy and radiation therapy, Hall FM, Radiology 1989; **172:** 577

cancer research campaign trials of adjuvant therapy for early breast cancer, Baum M; Ebbs SR; Houghton J; et al, Acta Oncol 1989; **28:** 907

carcinoma of the breast: measurement and the management of treatment. I. the value of the data, Cheung CWD; Johnson AE, Br J Radiol 1991; **64:** 29

carcinoma of the breast: measurement and the management of treatment: II. the regression of tumours, Cheung CWD; Johnson AE, Br J Radiol 1991; **64:** 121

clinical trials in locally advanced breast cancer, Wallgren A, Acta Oncol 1990; **29:** 357

conservative surgery and radiation therapy in breast carcinoma: local recurrence and prognostic implications, Haffty BG; Goldberg NB; Fischer D; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 727

conservative treatment of early breast cancer: long-term results of 1232 cases treated with quadrantectomy, axillary dissection, and radiotherapy, (ab), Veronesi U; Salvadori B; Luini A; et al, Radiology 1990; **177:** 292

cosmetic results after surgery, chemotherapy, and radiation therapy for early breast cancer, Abner AL; Recht A; Vicini FA; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 331

design of advanced breast cancer trials: new approaches, Fraser SCA; Ebbs SR; Dobbs HJ; et al, Acta Oncol 1990; **29:** 397

differentiation of benign and malignant local tumor recurrence after lumpectomy, Dershaw DD; McCormick B; Cox L; et al, AJR 1990; **155:** 35

drug sensitivity testing of human breast cancer, Tveit KM; Ottestad L, Acta Oncol 1990; **29:** 335

duct carcinoma *in situ* of the breast: an analysis of local control after conservation surgery and radiotherapy, McCormick B; Rosen PP; Kinne D; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 289

early breast cancer: detection of recurrence after conservative surgery and radiation therapy, Hassell PR; Olivotto IA; Mueller HA; Kingston GW; Basco VE, Radiology 1990; **176:** 731

endocrine therapy of breast cancer: a background, Nordenskjöld B, Acta Oncol 1990; **29:** 367

external irradiation prior to conservative surgery for breast cancer treatment, Calitchi E; Otmezguine Y; Feuilhade F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 325

frequency, sites of relapse, and outcome of regional node failures following conservative surgery and radiation for early breast cancer, Fowble BL; Solin LJ; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 703

how to improve cytotoxic therapy in advanced breast cancer, Bastholt L; Mouridsen HT, Acta Oncol 1990; **29:** 349

how to improve endocrine therapy of breast cancer, Kvinnsland S, Acta Oncol 1990; **29:** 387

hyperthermia and radiation therapy of local-regional recurrent breast cancer: prognostic factors for response and local control of diffuse or nodular tumors, Kapp DS; Barnett TA; Cox RS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1147

inflammatory carcinoma of the breast: treatment results on 107 patients, Fields JN; Perez CA; Kuske RR; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 249

intraductal carcinoma of the breast (208 cases): clinical factors influencing treatment choice, (ab), Silverstein MJ; Waisman JR; Gamagami P; et al, Radiology 1991; **178:** 292

late cosmetic outcome after conservative surgery and radiotherapy: analysis of causes of cosmetic failure, Olivotto IA; Rose MA; Osteen RT; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 747

levamisole in the treatment of advanced breast cancer: a ten-year follow-up of a randomized study, Klefström P; Nuortio L, Acta Oncol 1991; **30:** 347

local recurrence after breast-conserving surgery and radiotherapy: frequency, time course, and prognosis, (ab), Kurtz JM; Amalric R; Brandone H; et al, Radiology 1990; **174:** 291

local-regional recurrence in breast cancer after mastectomy and adriamycin-based adjuvant chemotherapy: evaluation of the role of postoperative radiotherapy, Sykes HF; Sim DA; Wong CJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 641

long-range results for breast cancer patients treated by radical mastectomy and postoperative radiation without adjuvant chemotherapy: an update, Fletcher GH; McNeese MD; Oswald MJ, Int J Radiat Oncol Biol Phys 1989; **17:** 11

long-term follow-up of sickness periods in breast cancer patients primarily treated with surgery and radiotherapy or surgery only, Rotstein S; Nilsson B; Gustavson-Kadaka E; et al, Acta Oncol 1989; **28:** 817

long-term psychological sequelae of mastectomy and breast conserving treatment for breast cancer, Meyer L; Aspegren K, Acta Oncol 1989; **28:** 13

mammographic features of the postlumpectomy, postirradiation breast, Harris KM; Costa-Greco MA; Baratz AB; Britton CA; Ilkhanipour ZS; Ganott MA, Radiographics 1989; **9:** 253

mammography in the pre-operative assessment and post-operative surveillance of patients treated by excision and radiotherapy for primary breast cancer, Locker AP; Hanley P; Wilson AR; et al, Clin Radiol 1990; **41:** 388

measurement of quality of life in advanced breast cancer, Baum M; Ebbs SR; Fallowfield LJ; et al, Acta Oncol 1990; **29:** 391

multimodal treatment for inflammatory breast cancer, Thoms WW Jr; McNeese MD; Fletcher GH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 739

new cytotoxic drugs in treatment of breast cancer, Mouridsen HT, Acta Oncol 1990; **29:** 343

new endocrine drugs for treatment of advanced breast cancer, Lønning PE, Acta Oncol 1990; **29:** 379

oral idarubicin in the treatment of advanced breast cancer, Bastholt L; Dalmark M; Jakobsen A; et al, Acta Oncol 1989; **28:** 893

patient's perception of her breast following radiation and limited surgery, McCormick B; Yahalom J; Cox L; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1299

perioperative adjuvant chemotherapy in breast cancer: the Scandinavian Adjuvant Chemotherapy Study 1, Kjellgren K; Nissen-Meyer R; Norin T, Acta Oncol 1989; **28:** 899

photodynamic therapy for chest wall recurrence in breast cancer, Sperduto PW; DeLaney TF; Thomas G; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 441

Pneumocystis carinii pneumonia associated with profound lymphopenia and abnormal T-lymphocyte subset ratios during treatment for early-stage breast carcinoma, (ab), Brunvand MW; Collins C; Livingston RB; et al, Radiology 1991; **181:** 292

predictors of distant relapse following conservative surgery and radiotherapy for early breast cancer are similar to those following mastectomy, Epstein AH; Connolly JL; Gelman R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 755

premenopausal breast cancer paients treated with conservative surgery, radiotherapy and adjuvant chemotherapy have a low risk of local failure, Rose MA; Henderson IC; Gelman R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 711

prognosis following local recurrence in the conservatively treated breast cancer patient, Haffty BG; Fischer D; Beinfield M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 293

prognostic factors for recurrence and cosmesis in 393 patients after radiation therapy for early mammary carcinoma, Ryoo MC; Kagan AR; Wollin M; Tomé MA; Tedeschi MA; Rao AR; Hintz BL; Kuruvilla AM; Nussbaum H; Streeter OE Jr; Jabola BR; Miller MJ, Radiology 1989; **172:** 555

prognostic factors of breast recurrence in the conservative management of early breast cancer: a 25-year follow-up, Fourquet A; Campana F; Zafrani B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 719

prognostic significance of late local recurrence after breast-conserving therapy, Kurtz JM; Spitalier J-M; Amalric R; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 87

prolonged adjuvant chemotherapy in breast cancer: the Scandinavian Adjuvant Chemotherapy Study 2, Nissen-Meyer R; Høst H; Kjellgren K, Acta Oncol 1989; **28:** 903

radiological evidence of response to electrochemical treatment of breast concer, Azavedo E; Svane G; Nordenström B, Clin Radiol 1991; **43:** 84

radiotherapy and breast reconstruction: clinical results and dosimetry, Kuske RR; Schuster R; Klein E; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 339

radiotherapy, chemotherapy, and tamoxifen as adjuncts to surgery in early breast cancer: a summary of three randomized trials, Rutqvist LE; Cedermark B; Glas U; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 629

results of breast conserving treatment of breast cancer, Hamilton CS; Nield JM; Adler GF; et al, Acta Oncol 1990; **29:** 137

results of conservative surgery and radiation therapy for multiple synchronous cancers of one breast, Leopold KA; Recht A; Schnitt SJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 11

results of mastectomy and postoperative irradiation in the management of locoregionally advanced carcinoma of the breast, Strom EA; McNeese MD; Fletcher GH; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 319

results of treating ductal carcinoma in situ of the breast with conservative surgery and radiation therapy, (ab), Bornstein BA; Recht A; Connolly JL; et al, Radiology 1991; **179:** 885

results of wide excision for mammary recurrence after breast-conserving therapy, (ab), Kurtz JM; Amalric R; Brandone H; et al, Radiology 1989; **170:** 584

reversal of vocal cord palsy by tamoxifen, Irwin CJR; Mantell BS, Clin Radiol 1989; **40:** 199

role of limited surgery with irradiation in primary treatment of ductal *in situ* breast cancer, Stotter AT; McNeese M; Oswald MJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 283

significance of hormone receptors to predict the endocrine responsiveness of human breast cancer, Rutqvist LE, Acta Oncol 1990; **29:** 371

stage I and II breast carcinoma: treatment with limited surgery and radiation therapy versus mastectomy, Komaki R; Cox JD; Kister SJ; Gump FE; Estabrook A, Radiology 1990; **174:** 255

systemic therapy of metastatic breast cancer, Rose C, Acta Oncol 1990; **29:** 361

temperature distribution in locally advanced breast carcinoma during hyperthermic treatment: relationship to perfusion, vascular density, and histology, Lyng H; Monge OR; Bøhler PJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 423

ten year results of conservative surgery and irradiation for stage I and II breast cancer, Fowble BL; Solin LJ; Schultz DJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 269

treatment and survival of female patients with nonpalpable breast carcinoma, (ab), Tinnemans JGM; Wobbes T; Holland R; et al, Radiology 1989; **172:** 884

treatment of in situ breast cancer, Fentiman IS, Acta Oncol 1989; **28:** 923

treatment options in early breast cancer, Krishnan L; Krishnan EC; Mansfield CM; Reddy EK; Thomas JH; Jewell WR, Radiographics 1989; **9:** 1067

tumorectomy and radiation therapy in early breast cancer: a report on 392 patients, Dubois JB; Saumon-Reme M; Gary-Bobo J; Pourquier H; Pujol H, Radiology 1990; **175:** 867

tumor margin assessment as a guide to optimal conservation surgery and irradiation in early stage breast carcinoma, Schmidt-Ullrich R; Wazer DE; Tercilla O; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 733

weekly anthracycline in the treatment of advanced breast cancer, Gundersen S; Kvinnsland S; Klepp O; et al, Acta Oncol 1989; **28:** 883

weekly doxorubicin in the treatment of metastatic breast carcinoma, Nylén U; Baral E; Svane G; et al, Acta Oncol 1989; **28:** 515

weekly oral idarubicin in postmenopausal women with advanced breast cancer: a phase II study, Bastholt L; Dalmark M; Jakobsen A; et al, Acta Oncol 1990; **29:** 143

Breast neoplasms, US

breast cancer: mammographic and sonographic findings after augmentation mammoplasty, Leibman AJ; Kruse B, Radiology 1990; **174:** 195

breast imaging: RSNA '89 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1990; **174:** 906

breast imaging. RSNA '90 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1991; **178:** 597

breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, Jackson VP, Radiology 1989; **170:** 578

Doppler ultrasound color flow imaging in the study of breast cancer: preliminary findings, Adler DD; Carson PL; Rubin JM; et al, Ultrasound Med Biol 1990; **16:** 553

internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer, Scatarige JC; Boxen I; Smathers RL, Radiographics 1990; **10:** 857

invasive papillary breast carcinoma: mammographic and sonographic appearance, Schneider JA, Radiology 1989; **171:** 377

mammographically guided ultrasound: a new technique for assessment of impalpable breast lesions, Lunt LG; Peakman DJ; Young JR, Clin Radiol 1991; **44:** 85

medullary carcinoma of the breast, Kopans DB; Rubens J, Radiology 1989; **171:** 876

medullary carcinoma of the breast: mammographic and US appearance, Meyer JE; Amin E; Lindfors KK; Lipman JC; Stomper PC; Genest D, Radiology 1989; **170:** 79

occult breast masses: use of a mammographic localizing grid for US evaluation, Conway WF; Hayes CW; Brewer WH, Radiology 1991; **181:** 143

primary multifocal angiosarcoma of the breast: sonographic evaluation with pathologic correlation, Tassin GB; Fornage BD; Sneige N, J Ultrasound Med 1990; **9:** 481

real-time ultrasound, axillary mammography, and clinical examination in the detection of axillary lymph node metastases in breast cancer patients, Pamilo M; Soiva M; Lavast E-M, J Ultrasound Med 1989; **8:** 115

role of US in breast imaging, Jackson VP, Radiology 1990; **177:** 305

sonography of malignant breast disease, Jackson VP, Semin US CT MR 1989; **10:** 119

tumor vascularization: assessment with duplex sonography, Dock W; Grabenwöger F; Metz V; Eibenberger K; Farrés MT, Radiology 1991; **181:** 241

ultrasonographic posttreatment follow-up of breast cancer patients, Balu-Maestro C; Bruneton J-N; Geoffray A; et al, J Ultrasound Med 1991; **10:** 1

ultrasonography of breast lesions detected in mammography screening, Pamilo M; Soiva M; Anttinen I; et al, Acta Radiol 1991; **32:** 220

ultrasonography: RSNA '88 meeting notes, Merritt CRB; Carroll BA; Lawson TL; Mack LA, Radiology 1989; **170:** 915

use of duplex Doppler ultrasound in the diagnosis of breast cancer, Britton PD; Coulden RA, Clin Radiol 1990; **42:** 399

Breast radiography

AAPM tutorial: physics of mammography: image recording process, Yaffe MJ, Radiographics 1990; **10:** 341

abnormalities of the breast caused by biopsy: spectrum of mammographic findings, Stigers KB; King JG; Davey DD; et al, AJR 1991; **156:** 287

accuracy of mammographic diagnosis in surgically occult breast lesions, Moskovic E; Sinnett HD; Parsons CA, Clin Radiol 1990; **41:** 344

American College of Radiology Mammography Accreditation Program, McLelland R; Hendrick RE; Zinninger MD; et al, AJR 1991; **157:** 473

analysis of the results of mammographically guided biopsies of the breast, (ab), McCreery BR; Frankl G; Frost DB, Radiology 1991; **180:** 885

baseline screening mammography with one versus two views, Anttinen I; Pamilo M; Roiha M; et al, Eur J Radiol 1989; **9:** 241

benign papillary neoplasms of the breast: mammographic findings, Cardenosa G; Eklund GW, Radiology 1991; **181:** 751

breast cancer: mammographic and sonographic findings after augmentation mammoplasty, Leibman AJ; Kruse B, Radiology 1990; **174:** 195

breast imaging. RSNA '88 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1989; **170:** 599

breast masses: mammographic evaluation, Sickles EA, Radiology 1989; **173:** 297

breast specimen microcalcifications: radiographic validation and pathologic-radiologic correlation, D'Orsi CJ; Reale FR; Davis MA; Brown VJ, Radiology 1991; **180:** 397

can the clinical and mammographic findings at presentation predict the presence of an extensive intraductal component in early stage breast cancer?, Healey EA; Osteen RT; Schnitt SJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1217

case report: mammographic and sonographic demonstration of extramedullary haematopoiesis of the breast, Zonderland HM; Michiels JJ; Ten Kate FJW, Clin Radiol 1991; **44:** 64

combining spot-compression and other special views to maximize mammographic information, Sickles EA, Radiology 1989; **173:** 571

combining spot-compression and other special views to maximize mammographic information: reply, Berkowitz JE, Radiology 1989; **173:** 571

comparison of breast consistency at palpation with breast density at mammography, Boren WL; Hunter TB; Bjelland JC; et al, Invest Radiol 1990; **25:** 1010

demonstration comparing film mammography with the new high sensitivity xeromammography, Martin JE, Radiographics 1989; **9:** 153

detection of breast abnormalities on teleradiology transmitted mammograms, Fajardo LL; Yoshino MT; Seeley GW; et al, Invest Radiol 1990; **25:** 1111

diagnosis of breast calcifications: comparison of contact, magnified, and television-enhanced images, Kimme-Smith C; Gold RH; Bassett LW; et al, AJR 1989; **153:** 963

diagnostic importance of the radiographic density of noncalcified breast masses: analysis of 91 lesions, Jackson VP; Dines KA; Bassett LW; et al, AJR 1991; **157:** 25

digital luminescence mammography: early clinical experience, Jarlman O; Samuelsson L; Braw M, Acta Radiol 1991; **32:** 110

disappearing breast calcifications, Parker MD; Clark RL; McLelland R; Daughtery K, Radiology 1989; **172:** 677

equivocal mammographic findings: evaluation with spot compression, Berkowitz JE; Gatewood OMB; Gayler BW, Radiology 1989; **171:** 369

further comparisons of films, screens and cassettes for mammography, Law J; Kirkpatrick AE, Br J Radiol 1990; **63:** 128

imaging insights: the breast lesion seen in only one view, (ab), Sickles EA, Radiology 1990; **177:** 291

imaging the post-surgical breast, Mendelson EB, Semin US CT MR 1989; **10:** 154

immediate postoperative mammogram for failed surgical excision of breast lesions, Stein MA; Karlan MS, Radiology 1991; **178:** 159

inconsistencies in mammographic phantoms used for ACR accreditation, Cacak RK, Radiology 1991; **181:** 288

infiltrating lobular carcinoma: mammographic patterns with pathologic correlation, Mendelson EB; Harris KM; Doshi N; et al, AJR 1989; **153:** 265

limitations of mammography in the identification of noninfiltrating carcinoma of the breast, (ab), Sener SF; Candela FC; Paige ML; et al, Radiology 1989; **170:** 584

lobular carcinoma in situ of the breast: clinical, pathologic, and mammographic features, Beute BJ; Kalisher L; Hutter RVP, AJR 1991; **157:** 257

low-cost screening mammography: report on finances and review of 21,716 consecutive cases, Bird RE, Radiology 1989; **171:** 87

magnification spot compression of the breast, Hall FM, Radiology 1989; **173:** 284

mammographic and CT findings after breast reconstruction with a rectus abdominis musculocutaneous flap, Loyer EM; Kroll SS; David CL; et al, AJR 1991; **156:** 1159

mammographic appearance of the retained Dacron cuff of a Hickman catheter, Beyer GA; Thorsen MK; Shaffer KA; et al, AJR 1990; **155:** 1203

mammographic detection of breast cancer in women under the age of 35, Jeffries DO; Adler DD, Invest Radiol 1990; **25:** 67

mammographic features of hidradenitis suppurativa axillaris, Kalisher L; Dembner A, J Canad Assoc Radiol 1990; **41:** 160

mammographic features of intracystic papillary lesions, (ab), Estabrook A; Asch T; Gump F; et al, Radiology 1990; **176:** 589

mammographic features of the postlumpectomy, postirradiation breast, Harris KM; Costa-Greco MA; Baratz AB; Britton CA; Ilkhanipour ZS; Ganott MA, Radiographics 1989; **9:** 253

mammographic localization and biopsy of nonpalpable breast lesions: a 5-year study, (ab), Thompson WR; Bowen R; Dorman BA; et al, Radiology 1991; **181:** 910

mammographic parenchymal patterns of nulliparous women and women with a family history of breast cancer, Kaufman Z; Garstin WIH; Hayes R; et al, Clin Radiol 1991; **43:** 385

mammographic parenchymal patterns of women on hormonal replacement therapy, Kaufman Z; Garstin WIH; Hayes R; et al, Clin Radiol 1991; **43:** 389

mammographic second opinions prior to biopsy of nonpalpable breast lesions, (ab), Hall FM, Radiology 1990; **176:** 588

mammography and malpractice, Potchen EJ; Bisesi MA; Sierra AE; et al, AJR 1991; **156:** 475

mammography as a radiographic examination: an overview, Vyborny CJ; Schmidt RA, Radiographics 1989; **9:** 723

mammography in the pre-operative assessment and post-operative surveillance of patients treated by excision and radiotherapy for primary breast cancer, Locker AP; Hanley P; Wilson AR; et al, Clin Radiol 1990; **41:** 388

mammography screening–reasons for recall and the influence of experience on recall in the Finnish system, Pamilo M; Anttinen I; Soiva M; et al, Clin Radiol 1990; **41:** 384

medicolegal aspects of breast imaging: variable standards of care relating to different types of practice, Brenner RJ, AJR 1991; **156:** 719

medicolegal aspects of screening mammography, Brenner RJ, AJR 1989; **153:** 53

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

nonpalpable ductal carcinoma in situ versus infiltrating carcinoma of the breast—can they be differentiated by mammography?, Hermann G; Keller RJ; Halton K; et al, J Canad Assoc Radiol 1991; **42:** 219

nonpalpable, probably benign breast lesions: follow-up strategies after initial detection on mammography, Adler DD; Helvie MA; Ikeda DM, AJR 1990; **155:** 1195

paraffin tissue block radiography: adjunct to breast specimen radiography, Rebner M; Helvie MA; Pennes DR; Oberman HA; Ikeda DM; Adler DD, Radiology 1989; **173:** 695

pectoralis muscle simulating a breast mass, Meyer JE; Stomper PC; Lee RR, AJR 1989; **152:** 481

present status of residency training in mammography, Bassett LW; Cassady CI; Gold RH, AJR 1991; **156:** 59

prevalence of carcinoma in palpable vs impalpable, mammographically detected lesions, Bassett LW; Liu T-H; Giuliano AE; et al, AJR 1991; **157:** 21

prospective study of 8413 asymptomatic women undergoing mammography, Rosenbloom MB; Lisbona A, J Canad Assoc Radiol 1990; **41:** 207

radiologic history exhibit: highlights from the history of mammography, Gold RH; Bassett LW; Widoff BE, Radiographics 1990; **10:** 1111

rate of compliance with recommendations for additional mammographic views and biopsies, Cardenosa G; Eklund GW, Radiology 1991; **181:** 359

real-time ultrasound, axillary mammography, and clinical examination in the detection of axillary lymph node metastases in breast cancer patients, Pamilo M; Soiva M; Lavast E-M, J Ultrasound Med 1989; **8:** 115

relationship of "high risk" mammographic patterns to histological risk factors for development of cancer in the human breast, Arthur JE; Ellis IO; Flowers C; et al, Br J Radiol 1990; **63:** 845

relationship of mammographic microcalcification to histologic malignancy: radiologic-pathologic correlation, Homer MJ; Safaii H; Smith TJ; et al, AJR 1989; **153:** 1187

residual breast carcinoma after biopsy: role of mammography in evaluation, Homer MJ; Schmidt-Ullrich R; Safaii H; Pile-Spellman ER; Marchant DJ; Smith TJ; Kelly K; Robert NJ, Radiology 1989; **170:** 75

rupture of a cyst during compression at mammography: report of a case, Novak R, Acta Radiol 1989; **30:** 257

screening mammography: a risk versus risk decision, Ritenour ER; Hendee WR, Invest Radiol 1989; **24:** 17

self-referred mammography patients: analysis of patients' characteristics, Reynolds HE; Jackson VP, AJR 1991; **157:** 481

steatocystoma multiplex: appearance at mammography, Pollack AH; Kuerer HM, Radiology 1991; **180:** 836

suture calcification mimicking recurrence in the irradiated breast: a potential pitfall in mammographic evaluation, Davis SP; Stomper PC; Weidner N; Meyer JE, Radiology 1989; **172:** 247

value of mammographic screening: assessment of studies and opinion, Alcorn FS, Radiographics 1990; **10:** 1133

Breast radiography, quality assurance

AAPM tutorial: mammography as a radiographic system, Hubbard LB, Radiographics 1990; **10:** 103

communication problems after mammographic screening, Robertson CL; Kopans DB, Radiology 1989; **172:** 443

communication problems after mammographic screening, Edelstein G, Radiology 1989; **173:** 879

communication problems after mammographic screening, Monsees B; Destouet JM; Evens RG, Radiology 1990; **175:** 877

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

corporate-sponsored breast cancer screening at the work site: results of a statewide program, Kessler HB; Rimer BK; Devine PJ; Gatenby RA; Engstrom PF, Radiology 1991; **179:** 107

diagnostic quality of mammograms obtained with a new low-radiation-dose dual-screen and dual-emulsion film combination, Wojtasek DA; Teixidor HS; Govoni AF; et al, AJR 1990; **154:** 265

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

improved tool for testing screen-film contact in mammography, Mount CJ; Gray JE, Radiographics 1990; **10:** 1049

increased radiation dose at mammography due to prolonged exposure, delayed processing, and increased film darkening, Kimme-Smith C; Bassett LW; Gold RH; Chow S, Radiology 1991; **178:** 387

mammographic compression: science or art?, Eklund GW, Radiology 1991; **181:** 339

mammographic screening in Southern California: 2½-year longitudinal survey of fees, Bassett LW; Fox SA; Pennington E; Gold RH, Radiology 1989; **173:** 61

mammography in the eighties, Conway BJ; McCrohan JL; Rueter FG; Suleiman OH, Radiology 1990; **177:** 335

mammography registry: considerations and options, Clark RA; King PS; Worden JK, Radiology 1989; **171:** 91

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

medical audit of a rapid-throughput mammography screening practice: methodology and results of 27,114 examinations, Sickles EA; Ominsky SH; Sollitto RA; Galvin HB; Monticciolo DL, Radiology 1990; **175:** 323

medical audit of a rapid-throughput mammography screening practice, Beijerinck D; Borsje K; Peeters P; Rombach JJ, Radiology 1991; **178:** 285

medical audit of a rapid-throughput mammography screening practice: reply, Sickles EA, Radiology 1991; **178:** 285

performance of quality assurance audits by students, Roghair CA, Radiology 1990; **177:** 586

processing of mammographic films: technical and clinical considerations, Tabar L; Haus AG, Radiology 1989; **173:** 65

professional quality assurance for mammography screening programs, Murphy WA Jr; Destouet JM; Monsees BS, Radiology 1990; **175:** 319

professional quality assurance for mammography screening programs, Bird RE, Radiology 1990; **177:** 587

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

Breast radiography, radiation dose

AAPM tutorial: mammography as a radiographic system, Hubbard LB, Radiographics 1990; **10:** 103

AAPM tutorial: patient dose in mammography, Rothenberg LN, Radiographics 1990; **10:** 739

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

enhanced risk from low-energy screen–film mammography X rays, Brenner DJ; Amols HI, Br J Radiol 1989; **62:** 910

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

increased radiation dose at mammography due to prolonged exposure, delayed processing, and increased film darkening, Kimme-Smith C; Bassett LW; Gold RH; Chow S, Radiology 1991; **178:** 387

mammography in the eighties, Conway BJ; McCrohan JL; Rueter FG; Suleiman OH, Radiology 1990; **177:** 335

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

new mammography screen/film combinations: imaging characteristics and radiation dose, Kimme-Smith C; Bassett LW; Gold RH; et al, AJR 1990; **154:** 713

patient dose and risk in mammography, Law J, Br J Radiol 1991; **64:** 360

processing of mammographic films: technical and clinical considerations, Tabar L; Haus AG, Radiology 1989; **173:** 65

radiation doses due to breast imaging in Manitoba: 1978–1988, Huda W; Sourkes AM; Bews JA; Kowaluk R, Radiology 1990; **177:** 813

spectral dependence of glandular tissue dose in screen-film mammography, Wu X; Barnes GT; Tucker DM, Radiology 1991; **179:** 143

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

value of increasing film processing time to reduce radiation dose during mammography, Skubic SE; Yagan R; Oravec D; et al, AJR 1990; **155:** 1189

x-ray protection considerations for mammography screening centres, Walker A; Hounsell AR, Br J Radiol 1989; **62:** 554

Breast radiography, technology

AAPM tutorial: contrast and scatter in x-ray imaging, Barnes GT, Radiographics 1991; **11:** 307

AAPM tutorial: generators, x-ray tubes, and exposure geometry in mammography, Villafana T, Radiographics 1990; **10:** 539

accurate automatic exposure controller for mammography: design and performance, Frederick EE; Squillante MR; Cirignano LJ; Hahn RW; Entine G, Radiology 1991; **178:** 393

alignment test jig for measuring the effective focal-spot size of mammographic x-ray tubes, Ramsdale ML; Hiles PA; Lawinski CP, Br J Radiol 1989; **62:** 484

breast imaging. RSNA '88 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1989; **170:** 599

breast imaging: RSNA '89 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1990; **174:** 906

breast imaging. RSNA '90 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1991; **178:** 597

breast skin calcifications: localization with a stereotactic device, Linden SS; Sullivan DC, Radiology 1989; **171:** 570

color mammography: image generation and receiver operating characteristic evaluation, Boone JM, Invest Radiol 1991; **26:** 521

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

demonstration comparing film mammography with the new high sensitivity xeromammography, Martin JE, Radiographics 1989; **9:** 153

digital mammography: a comparison of two digitization methods, Kimme-Smith C; Bassett LW; Gold RH; et al, Invest Radiol 1989; **24:** 869

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

evaluation of a dual-screen, dual-emulsion mammography system, Jackson VP; Harrill CD; White SJ; et al, AJR 1989; **152:** 483

expert learning system network for diagnosis of breast calcifications, Patrick EA; Moskowitz M; Mansukhani VT; et al, Invest Radiol 1991; **26:** 534

exposure equalization technique in mammography, Lam KL; Chan H-P, Invest Radiol 1989; **24:** 154

fibrocystic "disease", Gerson ES, Radiology 1989; **171:** 583

fibrocystic "disease": reply, Jackson VP, Radiology 1989; **171:** 583

films, screens and cassettes for mammography, Law J; Kirkpatrick AE, Br J Radiol 1989; **62:** 163

increased radiation dose at mammography due to prolonged exposure, delayed processing, and increased film darkening, Kimme-Smith C; Bassett LW; Gold RH; Chow S, Radiology 1991; **178:** 387

mammographic compression: science or art?, Eklund GW, Radiology 1991; **181:** 339

mammographic film-processor temperature, development time, and chemistry: effect on dose, contrast, and noise, Kimme-Smith C; Rothschild PA; Bassett LW; et al, AJR 1989; **152:** 35

mammography in the eighties, Conway BJ; McCrohan JL; Rueter FG; Suleiman OH, Radiology 1990; **177:** 335

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

measurement of force applied during mammography, Sullivan DC; Beam CA; Goodman SM; Watt DL, Radiology 1991; **181:** 355

new phantom for mammography, Law J, Br J Radiol 1991; **64:** 116

nonpalpable breast lesions: diagnosis with slightly overpenetrated screen-film mammography and hook wire-directed biopsy in 1,014 cases, Silverstein MJ; Gamagami P; Colburn WJ; Gierson ED; Rosser RJ; Handel N; Waisman JR, Radiology 1989; **171:** 633

processing of mammographic films: technical and clinical considerations, Tabar L; Haus AG, Radiology 1989; **173:** 65

recent films and screens for mammography, Law J, Br J Radiol 1990; **63:** 966

review of false negative mammography in a symptomatic population, Wallis MG; Walsh MT; Lee JR, Clin Radiol 1991; **44:** 13

simple test pattern for mammographic screen-film contact measurement, Tanner RL, Radiology 1991; **178:** 883

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

technical exhibits: RSNA '88 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1989; **170:** 919

technical exhibits: RSNA '89 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1990; **174:** 916

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

Breast radiography, utilization

breast cancers in women 35 years of age and younger: mammographic findings, Shaw de Paredes E; Marsteller LP; Eden BV, Radiology 1990; **177:** 117

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

corporate-sponsored breast cancer screening at the work site: results of a statewide program, Kessler HB; Rimer BK; Devine PJ; Gatenby RA; Engstrom PF, Radiology 1991; **179:** 107

decreased breast cancer mortality through mammographic screening, Evens RG, Radiology 1989; **170:** 575

decreased breast cancer mortality through mammographic screening: reply, Feig SA, Radiology 1989; **170:** 575

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

fibrocystic "disease", Gerson ES, Radiology 1989; **171:** 583

fibrocystic "disease": reply, Jackson VP, Radiology 1989; **171:** 583

improving the adherence of urban women to mammography guidelines: strategies for radiologists, Fox SA; Klos DS; Worthen NJ; Pennington E; Bassett LW; Gold RH, Radiology 1990; **174:** 203

indications for breast imaging in women under age 35 years, Harris VJ; Jackson VP, Radiology 1989; **172:** 445

low-cost screening mammography: report on finances and review of 21,716 consecutive cases, Bird RE, Radiology 1989; **171:** 87

mammographic follow-up of nonpalpable low-suspicion breast abnormalities: one versus two views, Datoc PD; Hayes CW; Conway WF; Bosch HA; Neal MP, Radiology 1991; **180:** 387

mammographic screening in Southern California: 2½-year longitudinal survey of fees, Bassett LW; Fox SA; Pennington E; Gold RH, Radiology 1989; **173:** 61

mammography in a mobile setting: remaining barriers, Mootz AR; Glazer-Waldman H; Evans WP; Peters GN; Kirk LM, Radiology 1991; **180:** 161

mammography in women 35 years of age and younger, Freundlich IM, Radiology 1991; **181:** 288

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

medical audit of a rapid-throughput mammography screening practice: methodology and results of 27,114 examinations, Sickles EA; Ominsky SH; Sollitto RA; Galvin HB; Monticciolo DL, Radiology 1990; **175:** 323

medical audit of a rapid-throughput mammography screening practice, Beijerinck D; Borsje K; Peeters P; Rombach JJ, Radiology 1991; **178:** 285

medical audit of a rapid-throughput mammography screening practice: reply, Sickles EA, Radiology 1991; **178:** 285

performance of quality assurance audits by students, Roghair CA, Radiology 1990; **177:** 586

periodic mammographic follow-up of probably benign lesions: results in 3,184 consecutive cases, Sickles EA, Radiology 1991; **179:** 463

periodic mammographic follow-up of probably benign lesions, de Waal JC, Radiology 1991; **181:** 608

periodic mammographic follow-up of probably benign lesions, Sayler CB, Radiology 1991; **181:** 904

periodic mammographic follow-up of probably benign lesions: reply, Sickles EA, Radiology 1991; **181:** 905

professional quality assurance for mammography screening programs, Murphy WA Jr; Destouet JM; Monsees BS, Radiology 1990; **175:** 319

professional quality assurance for mammography screening programs, Bird RE, Radiology 1990; **177:** 587

radiation doses due to breast imaging in Manitoba: 1978–1988, Huda W; Sourkes AM; Bews JA; Kowaluk R, Radiology 1990; **177:** 813

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

usefulness of mammography and sonography in women less than 35 years of age, Bassett LW; Ysrael M; Gold RH; Ysrael C, Radiology 1991; **180:** 831

why women resist screening mammography: patient-related barriers, Rimer BK; Keintz MK; Kessler HB; Engstrom PF; Rosan JR, Radiology 1989; **172:** 243

Bromocriptine

pituitary adenomas: possible role of bromocriptine in intratumoral hemorrhage, Yousem DM; Arrington JA; Zinreich SJ; Kumar AJ; Bryan RN, Radiology 1989; **170:** 239

Bronchi

See also Lung

assessment of pulmonary airway reactivity with high-resolution CT, Herold CJ; Brown RH; Mitzner W; Links JM; Hirshman CA; Zerhouni EA, Radiology 1991; **181:** 369

peripheral bronchographic morphology in the normal human lung, Gamsu G; Thurlbeck WM; Macklem PT; et al, Invest Radiol 1990; **25:** 392

Bronchi, abnormalities
case report: tracheobronchomegaly in association with ankylosing spondylitis, Padley S; Varma N; Flower CDR, Clin Radiol 1991; **43:** 139
congenital tracheobronchomegaly (Mounier-Kuhn syndrome): a report of 10 cases and review of the literature, Woodring JH; Howard RS II; Rehm SR, J Thorac Imag 1991; **6-2:** 1
general case of the day, Cáceres J; Mata JM; Palmer J; Zidan A; Donoso L, Radiographics 1991; **11:** 1143
radiographic manifestations of congenital anomalies affecting the airway, Carpenter BLM; Merten DF, Radiol Clin North Am 1991; **29:** 219
serial section-reconstruction of anomalous tracheobronchial branching patterns from CT scan images: bridging bronchus associated with sling left pulmonary artery, Wells TR; Stanley P; Padua EM; et al, Pediatr Radiol 1990; **20:** 444
tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; **176:** 728
tracheobronchial calcification in members of a fixed population sample, Fukuya T; Mihara F; Kudo S; et al, Acta Radiol 1989; **30:** 277

Bronchi, CT
anterior wall stripe of the left lower lobe bronchus on the lateral chest radiograph: CT correlative study, Lang EV; Friedman PJ, AJR 1990; **154:** 33
bronchiectasis in hypogammaglobulinaemia—a computed tomography assessment, Curtin JJ; Webster ADB; Farrant J; et al, Clin Radiol 1991; **44:** 82
broncholithiasis: CT features in 15 patients, Conces DJ Jr; Tarver RD; Vix VA, AJR 1991; **157:** 249
bronchovascular anatomy of the upper lobes: evaluation with thin-section CT, Lee KS; Bae WK; Lee BH; Kim IY; Choi EW; Lee BH, Radiology 1991; **181:** 765
case report: computed tomography findings in Williams-Campbell syndrome, Kaneko K; Kudo S; Tashiro M; et al, J Thorac Imag 1991; **6-2:** 11
computed tomographic assessment of bronchiectasis, Grenier P; Lenoir S; Brauner MW, Semin US CT MR 1990; **11:** 430
computed tomography in adult obliterative bronchiolitis, Sweatman MC; Millar AB; Strickland B; et al, Clin Radiol 1990; **41:** 116
computed tomography in endobronchial neoplasms, Colletti PM; Beck S; Boswell WD Jr; et al, Comput Med Imag Graph 1990; **14:** 257
CT anatomy of the lingular segmental bronchi, Lee KS; Im J-G; Bae WK; et al, JCAT 1991; **15:** 86
CT demonstration of an ossifying bronchial carcinoid simulating broncholithiasis, Shin MS; Berland LL; Myers JL; et al, AJR 1989; **153:** 51
CT of the airways, Davis SD; Maldjian C; Perone RW; et al, Clin Imag 1990; **14:** 280
detection of a radiolucent bronchial foreign body by computed tomography, Gupta AK; Berry M, Pediatr Radiol 1991; **21:** 307
hemoptysis: CT-bronchoscopic correlations in 58 cases, Naidich DP; Funt S; Ettenger NA; Arranda C, Radiology 1990; **177:** 357
pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243
peripheral bronchial involvement in relapsing polychondritis: demonstration by thin-section CT, Davis SD; Berkmen YM; King T, AJR 1989; **153:** 953
postpneumonectomy syndrome after left lung resection, Quillin SP; Shackelford GD, Radiology 1991; **179:** 100
serial section-reconstruction of anomalous tracheobronchial branching patterns from CT scan images: bridging bronchus associated with sling left pulmonary artery, Wells TR; Stanley P; Padua EM; et al, Pediatr Radiol 1990; **20:** 444
three-dimensional CT of the bronchial tree: a trial using an inflated fixed lung specimen, Kitaoka H; Yumoto T, Invest Radiol 1990; **25:** 813
three-dimensional CT-volumetric reconstruction and display of the bronchial tree, Ney DR; Kuhlman JE; Hruban RH; et al, Invest Radiol 1990; **25:** 736
tumors of the bronchi: role of evaluation with CT, Mayr B; Ingrisch H; Häussinger K; Huber RM; Sunder-Plassmann L, Radiology 1989; **172:** 647

Bronchi, cysts
bronchogenic cyst: a case report emphasizing the role of magnetic resonance imaging, Marin ML; Romney BM; Franco K; et al, J Thorac Imag 1991; **6-2:** 43
CT-guided extrapleural drainage of bronchogenic cyst, Adam A; MacSweeney JE; Whyte MKB; et al, JCAT 1989; **13:** 1065

Bronchi, injuries
clinico-radiological correlates in rupture of the major airways, Spencer JA; Rogers CE; Westaby S, Clin Radiol 1991; **43:** 371
tears of the trachea and main bronchi caused by blunt trauma: radiologic findings, Unger JM; Schuchmann GG; Grossman JE; et al, AJR 1989; **153:** 1175

Bronchi, MR
bronchogenic cyst: a case report emphasizing the role of magnetic resonance imaging, Marin ML; Romney BM; Franco K; et al, J Thorac Imag 1991; **6-2:** 43
MR imaging in pediatric airway obstruction, Vogl TJ; Wilimzig C; Bilaniuk LT; et al, JCAT 1990; **14:** 182

Bronchi, neoplasms
and what is *your* sign?, Walkey MM, Radiology 1991; **178:** 894
bronchial carcinoids: a review of 60 patients, (ab), Rea F; Binda R; Spreafico G; et al, Radiology 1989; **173:** 290
bronchial carcinoid tumors: radiologic observations in 49 cases, Nessi R; Ricci PB; Ricci SB; et al, J Thorac Imag 1991; **6-2:** 47
bronchial carcinoid with a twenty-four-year natural history: a case report, Maasilta P; Tammilehto L; Mattson K; et al, Acta Oncol 1989; **28:** 715
bronchial carcinoma following pulmonary and thoracic wall actinomycosis: report on one case with emphasis on CT findings, de Verbizier C; Sperber M; Laurent F; et al, Comput Med Imag Graph 1990; **14:** 277
carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; **172:** 699
computed tomography in endobronchial neoplasms, Colletti PM; Beck S; Boswell WD Jr; et al, Comput Med Imag Graph 1990; **14:** 257
continuous, hyperfractionated, accelerated radiotherapy (CHART) in non-small cell carcinoma of the bronchus, Saunders MI; Dische S, Int J Radiat Oncol Biol Phys 1990; **19:** 1211
"CT angiogram" sign: establishing the differential diagnosis, Schuster MR; Scanlan KA, Radiology 1991; **181:** 903
CT demonstration of an ossifying bronchial carcinoid simulating broncholithiasis, Shin MS; Berland LL; Myers JL; et al, AJR 1989; **153:** 51
CT/MR correlation in the evaluation of tracheobronchial neoplasia, Naidich DP, Radiol Clin North Am 1990; **28:** 555
detection of ACTH-producing bronchial carcinoid tumors: MR imaging vs CT, Doppman JL; Pass HI; Nieman LK; et al, AJR 1991; **156:** 39
diagnostic yield of bronchoscopy, Dierkesmann R, Cardiovasc Intervent Radiol 1991; **14:** 24
Ga-67 imaging of bronchial metastatic melanoma, Solfanelli S; Fazzi P; Frediani M; et al, Clin Nucl Med 1991; **16:** 197
increased accumulation of N-isopropyl-(I-123)*p*-iodoamphetamine in bronchial carcinoid tumor, Nishizawa S; Higa T; Kuroda Y; et al, J Nucl Med 1990; **31:** 240
intraarterial digital subtraction angiography in bronchogenic carcinoma treated with bronchial artery infusion, Teng G-J; Chai X-L; Gao G-R; et al, Eur J Radiol 1991; **12:** 91
lobar bronchioloalveolar carcinoma: "angiogram sign" on CT scans, Im J-G; Han MC; Yu E; Han JK; Park JM; Kim C-W; Seo JW; Yoon Y; Lee JD; Lee KS, Radiology 1990; **176:** 749
tumors of the bronchi: role of evaluation with CT, Mayr B; Ingrisch H; Häussinger K; Huber RM; Sunder-Plassmann L, Radiology 1989; **172:** 647
upper-half body irradiation for oat cell carcinoma of the bronchus, Stockdale AD; Rostom AY, Br J Radiol 1989; **62:** 563

Bronchi, obstruction
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Bronchi, radiography
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Bronchi, radionuclide studies
Ga-67 imaging of bronchial metastatic melanoma, Solfanelli S; Fazzi P; Frediani M; et al, Clin Nucl Med 1991; **16:** 197
increased accumulation of N-isopropyl-(I-123)*p*-iodoamphetamine in bronchial carcinoid tumor, Nishizawa S; Higa T; Kuroda Y; et al, J Nucl Med 1990; **31:** 240

Bronchi, stenosis or obstruction
lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717
MR imaging in pediatric airway obstruction, Vogl TJ; Wilimzig C; Bilaniuk LT; et al, JCAT 1990; **14:** 182
postpneumonectomy syndrome after left lung resection, Quillin SP; Shackelford GD, Radiology 1991; **179:** 100
quantitative density-time measurements in the lungs of children with suspected airway obstruction using ultrafast CT, Ringertz HG; Brasch RC; Gooding CA; et al, Pediatr Radiol 1989; **19:** 366
single-lung transplantation: imaging features, Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group, Radiology 1989; **170:** 89
sling left pulmonary artery with congenital airway stenosis: non-invasive investigation and conservative management?, Hendry GMA; Edmunds AT; Marshall TG; et al, Br J Radiol 1991; **64:** 629
treatment of endobronchial stenosis using balloon catheter dilatation, (ab), Carlin BW; Harrell JH; Moser KM, Radiology 1989; **170:** 582
tuberculous bronchial stenosis: CT findings in 28 cases, Choe KO; Jeong HJ; Sohn HY, AJR 1990; **155:** 971
tumors of the bronchi: role of evaluation with CT, Mayr B; Ingrisch H; Häussinger K; Huber RM; Sunder-Plassmann L, Radiology 1989; **172:** 647

Bronchi, therapeutic radiology
continuous, hyperfractionated, accelerated radiotherapy (CHART) in non-small cell carcinoma of the bronchus, Saunders MI; Dische S, Int J Radiat Oncol Biol Phys 1990; **19:** 1211
upper-half body irradiation for oat cell carcinoma of the bronchus, Stockdale AD; Rostom AY, Br J Radiol 1989; **62:** 563

Bronchi, US
lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717

Bronchiectasis
bronchiectasis, Westcott JL, Radiol Clin North Am 1991; **29:** 1031
bronchiectasis in hypogammaglobulinaemia—a computed tomography assessment, Curtin JJ; Webster ADB; Farrant J; et al, Clin Radiol 1991; **44:** 82
case report: computed tomography findings in Williams-Campbell syndrome, Kaneko K; Kudo S; Tashiro M; et al, J Thorac Imag 1991; **6-2:** 11
computed tomographic assessment of bronchiectasis, Grenier P; Lenoir S; Brauner MW, Semin US CT MR 1990; **11:** 430
computed tomography of bronchiectasis in association with tuberculosis, Shin MS; Ho K-J, Clin Imag 1989; **13:** 36
CT findings in Swyer-James syndrome, Marti-Bonmati L; Perales FR; Catala F; Mata JM; Calonge E, Radiology 1989; **172:** 477
detection of bronchiectasis by high-resolution computed tomography in the yellow nail syndrome, Wiggins J; Strickland B; Chung KF, Clin Radiol 1991; **43:** 377
mucociliary clearance and transport in bronchiectasis: global and regional assessment, Isawa T; Teshima T; Hirano T; et al, J Nucl Med 1990; **31:** 543

pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Müller RR; Müller NL, Radiology 1991; **179:** 469

value of computed tomography in the diagnosis and management of bronchiectasis, Pang JA; Hamilton-Wood C; Metreweli C, Clin Radiol 1989; **40:** 40

Bronchiolitis

bronchiolitis obliterans in heart-lung transplantation patients: radiologic findings in 11 patients, Skeens JL; Fuhrman CR; Yousem SA, AJR 1989; **153:** 253

bronchiolitis obliterans organizing pneumonia: CT features in 14 patients, Müller NL; Staples CA; Miller RR, AJR 1990; **154:** 983

clinical-radiologic-pathologic conference: a patient with interstitial and airspace disease, Guerry-Force ML; Müller NL; Paré PD; et al, J Canad Assoc Radiol 1989; **40:** 104

computed tomography in adult obliterative bronchiolitis, Sweatman MC; Millar AB; Strickland B; et al, Clin Radiol 1990; **41:** 116

CT findings in Swyer-James syndrome, Marti-Bonmati L; Perales FR; Catala F; Mata JM; Calonge E, Radiology 1989; **172:** 477

echocardiographic assessment of cardiac function during respiratory syncytial virus infection, (ab), Pahl E; Gidding SS, Radiology 1989; **170:** 591

idiopathic bronchiolitis obliterans organizing pneumonia: definition of characteristic clinical profiles in a series of 16 patients, (ab), Cordier J-F; Loire R; Brune J, Radiology 1990; **175:** 883

observer variation in detecting the radiologic features associated with bronchiolitis, Coblentz CL; Babcook CJ; Alton D; et al, Invest Radiol 1991; **26:** 115

pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243

stratified impairment of pulmonary ventilation in "diffuse panbronchiolitis:" PET and CT studies, Murata K; Itoh H; Senda M; et al, JCAT 1989; **13:** 48

Bronchiolitis obliterans

brochiolitis obliterans after lung transplantation: findings at chest radiography and high-resolution CT, Morrish WF; Herman SJ; Weisbrod GL; Chamberlain DW; Toronto Lung Transplant Group, Radiology 1991; **179:** 487

obliterative bronchiolitis following lung transplantation diagnostic utility of aerosol ventilation lung scanning and high resolution CT, Halvorsen RA Jr; duCret RP; Kuni CC; et al, Clin Nucl Med 1991; **16:** 256

Bronchography

anterior wall stripe of the left lower lobe bronchus on the lateral chest radiograph: CT correlative study, Lang EV; Friedman PJ, AJR 1990; **154:** 33

bronchography in the assessment of patients with lung collapse for endoscopic laser therapy, (ab), George PJM; Pearson MC; Edwards D; et al, Radiology 1991; **178:** 896

bronchoscopic and bronchographic findings in 12 patients with sarcoidosis and severe or progressive airways obstruction, (ab), Udwadia ZF; Pilling JR; Jenkins PF; et al, Radiology 1991; **178:** 588

death associated with bronchography: question role of heating the contrast agent, McAlister WH, Pediatr Radiol 1989; **19:** 458

iotrolan in selective bronchography via the fibreoptic bronchoscope, Morcos SK; Baudouin SV; Anderson PB; et al, Br J Radiol 1989; **62:** 383

prevalence of air bronchograms in small peripheral carcinomas of the lung on thin-section CT: comparison with benign tumors, Kuriyama K; Tateishi R; Doi O; et al, AJR 1991; **156:** 921

Bronchoscopy

bronchoscopic and bronchographic findings in 12 patients with sarcoidosis and severe or progressive airways obstruction, (ab), Udwadia ZF; Pilling JR; Jenkins PF; et al, Radiology 1991; **178:** 588

bronchoscopic phototherapy at comparable dose rates: early results, (ab), Pass HI; Delaney T; Smith PD; et al, Radiology 1990; **174:** 291

bronchoscopy to evaluate hemoptysis in older men with nonsuspicious chest roentgenograms, (ab), Lederle FA; Nichol KL; Parenti CM, Radiology 1989; **173:** 883

diagnostic yield of bronchoscopy, Dierkesmann R, Cardiovasc Intervent Radiol 1991; **14:** 24

immediate chest roentgenography following fiberoptic bronchoscopy, (ab), Milam MG; Evins AE; Sahn SA, Radiology 1990; **174:** 585

value of fiberoptic bronchoscopy and angiography for diagnosis of the bleeding site in hemoptysis, (ab), Saumench J; Escarrabill J; Padró L; et al, Radiology 1990; **174:** 899

Brucellosis

brucellosis simulating metastases on Tc-99m MDP bone scan, Elgazzar AH; Abdel-Dayem HM; Shible O, Clin Nucl Med 1991; **16:** 189

skeletal brucellosis: assessment with bone scintigraphy, El-Desouki M, Radiology 1991; **181:** 415

spinal brucellosis: a case with "cauliflower" appearance on CT, Demirci M; Tan E; Durguner M; et al, Neuroradiol 1989; **31:** 282

Bucrylate

inadvertent bucrylate pulmonary embolization: a case report, Takasugi JE; Shaw C, J Thorac Imag 1989; **4-4:** 71

Budd-Chiari syndrome

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See Foreign bodies

Burkitt tumor

See Lymphoma

Bursa

current role of tenography and bursography, Baker KS; Gilula LA, AJR 1990; **154:** 129

MR appearance of the distended iliopsoas bursa, Varma DGK; Richli WR; Charnsangavej C; et al, AJR 1991; **156:** 1025

Bursitis

rheumatoid iliopsoas bursitis: MR findings, Lupetin AR; Daffner RH, JCAT 1990; **14:** 1035

rotator cuff lesions: signal patterns at MR imaging, Rafii M; Firooznia H; Sherman O; Minkoff J; Weinreb J; Golimbu C; Gidumal R; Schinella R; Zaslav K, Radiology 1990; **177:** 817

shoulder impingement syndrome: sonographic evaluation, Farin PU; Jaroma H; Harju A; Soimakallio S, Radiology 1990; **176:** 845

tibial collateral ligament bursa: MR imaging, Lee JK; Yao L, Radiology 1991; **178:** 855

C

Calcaneus

calcaneal bone cyst: sonographic findings and ultrasound-guided aspiration biopsy, Fornage BD; Richli WR; Chuapetcharasopon C, JCU 1991; **19:** 360

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415

case report 515, Abdelwahab IF; Lewis MM; Klein MJ; et al, Skeletal Radiol 1989; **17:** 607

case report 529, Baró PR; Bastart FM; Bartrina JR; et al, Skeletal Radiol 1989; **18:** 136

case report 540, López-Barea F; Contreras F; Sanchez-Herrera S, Skeletal Radiol 1989; **18:** 237

Calcaneus, fractures

calcaneal insufficiency avulsion fractures in patients with diabetes mellitus, Kathol MH; El-Khoury GY; Moore TE; Marsh JL, Radiology 1991; **180:** 725

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415

scintigraphy in the diagnosis of occult fractures of the calcaneus, Moss EH; Carty H, Skeletal Radiol 1990; **19:** 575

Calcification

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Calcium

giant tumoral calcinosis demonstrated by bone scintigraphy, Hardoff R; Rudoy J; Gips S; et al, Clin Nucl Med 1991; **16:** 279

hypercalcaemia in patients with disseminated breast cancer, Brada M; Rowley M; Grant DJ; et al, Acta Oncol 1990; **29:** 577

imaging of tumoral calcinosis: new observations, Martinez S; Vogler JB III; Harrelson JM; Lyles KW, Radiology 1990; **174:** 215

myocardial, pulmonary, diaphragmatic, gastric, splenic, and renal uptake of Tc-99m MDP in a patient with persistent, severe hypercalcemia, Padhy AK; Gopinath PG; Amini AC, Clin Nucl Med 1990; **15:** 648

periarticular tumoral calcinosis and hypercalcemia in a hemodialysis patient without hyperparathyroidism: a case report, Eisenberg B; Tzamaloukas AH; Hartshorne MF; et al, J Nucl Med 1990; **31:** 1099

resolution of metastatic calcification by bone imaging, Intenzo CM; Desai AG; Park CH, Clin Nucl Med 1989; **14:** 62

tumoral calcinosis in an infant, Greenberg SB, Pediatr Radiol 1990; **20:** 206

tumoral calcinosis-like lesion of the proximal linea aspera, Seeger LL; Butler DL; Eckardt JJ; et al, Skeletal Radiol 1990; **19:** 579

Calve-Legg-Perthes disease

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Cameras

evaluation of a clinical scintillation camera with pulse tail extrapolation electronics, Lewellen TK; Bice AN; Pollard KR; et al, J Nucl Med 1989; **30:** 1554

full-field modular gamma camera, Milster TD; Aarsvold JN; Barrett HH; et al, J Nucl Med 1990; **31:** 632

phantom feet on digital radionuclide images and other scary computer tales, Freitas JE; Dworkin HJ; Dees SM; et al, J Nucl Med 1989; **30:** 1559

Campylobacter

See Helicobacter infection

Cancer

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Cancer screening

acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Brenner RJ; Sickles EA, Radiology 1989; **171:** 645

acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Jackson FI, Radiology 1989; **173:** 580

American Cancer Society National Prostate Cancer Detection Project: findings on the detection of early prostate cancer in 2425 men, (ab), Mettlin C; Lee F; Drago J; et al, Radiology 1991; **181:** 911

assessment of the psychological impact of a breast screening programme, Bull AR; Campbell MJ, Br J Radiol 1991; **64:** 510

baseline screening mammography with one versus two views, Anttinen I; Pamilo M; Roiha M; et al, Eur J Radiol 1989; **9:** 241

breast cancer detected by screening: the importance of long-term follow-up, (ab), Lopez MJ; Blackwell CW, Radiology 1990; **175:** 290

breast cancer screening in women over age 50: a critical appraisal, Peeters PHM; Verbeek ALM; Zielhuis GA; et al, Acta Radiol 1990; **31:** 225

Canadian National Breast Screening Study: assessment of technical quality by external review, Baines CJ; Miller AB; Kopans DB; et al, AJR 1990; **155:** 743

clinically occult ductal carcinoma in situ detected with mammography: analysis of 100 cases with radiologic-pathologic correlation, Stomper PC; Connolly JL; Meyer JE; Harris JR, Radiology 1989; **172:** 235

communication problems after mammographic screening, Robertson CL; Kopans DB, Radiology 1989; **172:** 443

communication problems after mammographic screening, Edelstein G, Radiology 1989; **173:** 879

communication problems after mammographic screening, Monsees B; Destouet JM; Evens RG, Radiology 1990; **175:** 877

computerized follow-up of abnormalities detected at mammography screening, Monticciolo DL; Sickles EA, AJR 1990; **155:** 751

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

corporate-sponsored breast cancer screening at the work site: results of a statewide program, Kessler HB; Rimer BK; Devine PJ; Gatenby RA; Engstrom PF, Radiology 1991; **179:** 107

decreased breast cancer mortality through mammographic screening, Evens RG, Radiology 1989; **170:** 575

decreased breast cancer mortality through mammographic screening: reply, Feig SA, Radiology 1989; **170:** 575

determination of prostate volume with transrectal US for cancer screening: part I. comparison with prostate-specific antigen assays, Littrup PJ; Kane RA; Williams CR; Egglin TK; Lee F; Torp-Pedersen S; Church PA, Radiology 1991; **178:** 537

determination of prostate volume with transrectal US for cancer screening: part II. accuracy of in vitro and in vivo techniques, Littrup PJ; Williams CR; Egglin TK; Kane RA, Radiology 1991; **179:** 49

digital rectal examination versus transrectal ultrasound in detection of prostate cancer: preliminary results from a study of a randomly selected population, Norming U; Gustafsson O; Nyman CR; et al, Acta Oncol 1991; **30:** 277

economic implications of radiologic screening for colonic cancer, Gelfand DW; Ott DJ, AJR 1991; **156:** 939

Edinburgh trial of screening for breast cancer: mortality at seven years, (ab), Roberts MM; Alexander FE; Anderson TJ; et al, Radiology 1990; **177:** 292

effect of oral contraception on water-suppressed proton NMR spectra of plasma, Carlier PG; Vaesen F; Gilles RG; et al, Magn Res Med 1991; **17:** 269

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Hall FM, Radiology 1989; **173:** 284

impact of a priori medical decisions on screening for breast cancer, Moskowitz M, Radiology 1989; **171:** 605

insurance policy to reduce the risk of dying from breast cancer, Chamberlain J, Clin Radiol 1989; **40:** 1

is screening for prostatic cancer justified? summary of the discussion, Frohmüller H, Acta Oncol 1991; **30:** 289

low-cost screening mammography: report on finances and review of 21,716 consecutive cases, Bird RE, Radiology 1989; **171:** 87

mammography in a mobile setting: remaining barriers, Mootz AR; Glazer-Waldman H; Evans WP; Peters GN; Kirk LM, Radiology 1991; **180:** 161

mammography registry: considerations and options, Clark RA; King PS; Worden JK, Radiology 1989; **171:** 91

mammography screening–reasons for recall and the influence of experience on recall in the Finnish system, Pamilo M; Anttinen I; Soiva M; et al, Clin Radiol 1990; **41:** 384

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

medical audit of a rapid-throughput mammography screening practice: methodology and results of 27,114 examinations, Sickles EA; Ominsky SH; Sollitto RA; Galvin HB; Monticciolo DL, Radiology 1990; **175:** 323

medical audit of a rapid-throughput mammography screening practice, Beijerinck D; Borsje K; Peeters P; Rombach JJ, Radiology 1991; **178:** 285

medical audit of a rapid-throughput mammography screening practice: reply, Sickles EA, Radiology 1991; **178:** 285

medicolegal aspects of screening mammography, Brenner RJ, AJR 1989; **153:** 53

natural history of breast cancer: implications for a screening strategy, Tubiana M; Koscielny S, Int J Radiat Oncol Biol Phys 1990; **19:** 1117

nonpalpable prostate cancer: detection with MR imaging, Carter HB; Brem RF; Tempany CM; Yang A; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; **178:** 523

Nottingham breast self-examination project, Blamey RW; Locker AP; Mitchell AK; et al, Acta Oncol 1989; **28:** 869

performance of quality assurance audits by students, Roghair CA, Radiology 1990; **177:** 586

periodic mammographic follow-up of probably benign lesions: results in 3,184 consecutive cases, Sickles EA, Radiology 1991; **179:** 463

periodic mammographic follow-up of probably benign lesions, de Waal JC, Radiology 1991; **181:** 608

periodic mammographic follow-up of probably benign lesions, Sayler CB, Radiology 1991; **181:** 904

periodic mammographic follow-up of probably benign lesions: reply, Sickles EA, Radiology 1991; **181:** 905

professional quality assurance for mammography screening programs, Murphy WA Jr; Destouet JM; Monsees BS, Radiology 1990; **175:** 319

professional quality assurance for mammography screening programs, Bird RE, Radiology 1990; **177:** 587

prostate cancer: comparison of digital rectal examination and transrectal ultrasound for screening, (ab), Palken M; Cobb OE; Simons CE; et al, Radiology 1991; **180:** 885

prostate cancer: to screen or not to screen, Chodak G, Acta Oncol 1991; **30:** 285

radial sclerosing lesion of the breast: mammographic features, Adler DD; Helvie MA; Oberman HA; Ikeda DM; Bhan AO, Radiology 1990; **176:** 737

role of imaging in screening for prostate cancer: a decision analysis perspective, Chang P; Friedland GW, Invest Radiol 1990; **25:** 591

role of radiologic screening in lung cancer, Epstein DM, Radiol Clin North Am 1990; **28:** 489

role of the radiologist in screening for nonpalpable breast tumors in Sweden, Azavedo E; Svane G; Ringertz H, Invest Radiol 1991; **26:** 174

role of the reference radiologist: estimates of inter-observer agreement and potential delay in cancer detection in the National Breast Screening Study, Baines CJ; McFarlane DV; Miller AB, Invest Radiol 1990; **25:** 971

screening colonoscopy in asymptomatic average-risk persons with negative fecal occult blood tests, (ab), Rex DK; Lehman GA; Hawes RH; et al, Radiology 1991; **180:** 587

screening for breast cancer: the UK scene: the 69th Mackenzie Davidson Memorial Lecture, Forrest APM, Br J Radiol 1989; **62:** 695

screening for carcinoma of the prostate in a randomly selected population using duplicate digital rectal examination, Varenhorst E; Pedersen KV; Carlsson P; et al, Acta Oncol 1991; **30:** 273

screening for lung cancer, (ab), Eddy DM, Radiology 1990; **174:** 586

screening for prostatic cancer: investigational models, Iversen P; Torp-Pedersen ST, Acta Oncol 1991; **30:** 281

screening for prostatic cancer: the German experience, Frohmüller H, Acta Oncol 1991; **30:** 269

screening mammography: a risk versus risk decision, Ritenour ER; Hendee WR, Invest Radiol 1989; **24:** 17

self-referred mammography patients: analysis of patients' characteristics, Reynolds HE; Jackson VP, AJR 1991; **157:** 481

shadows over screening mammography, Skrabanek P, Clin Radiol 1989; **40:** 4

stage distribution of breast cancer: a basis for the evaluation of breast screening programmes, Bull A; Mountney L; Sanderson H, Br J Radiol 1991; **64:** 516

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

transvaginal sonography as a screening method for ovarian cancer: a report of the first 1,000 cases screened, (ab), van Nagell JR Jr; Higgins RV; Donaldson ES; et al, Radiology 1990; **176:** 591

ultrasonography of breast lesions detected in mammography screening, Pamilo M; Soiva M; Anttinen I; et al, Acta Radiol 1991; **32:** 220

usefulness of computers in managing the operation of a mammography screening practice, Sickles EA, AJR 1990; **155:** 755

use of biostereometric analysis as a screen for breast cancer, Loughry CW; Sheffer DB; Price TE; et al, Invest Radiol 1991; **26:** 528

value of mammographic screening: assessment of studies and opinion, Alcorn FS, Radiographics 1990; **10:** 1133

why women resist screening mammography: patient-related barriers, Rimer BK; Keintz MK; Kessler HB; Engstrom PF; Rosan JR, Radiology 1989; **172:** 243

Candidiasis

assessment of sonography in the diagnosis and management of neonatal renal candidiasis, Berman LH; Stringer DA; St. Onge O; et al, Clin Radiol 1989; **40:** 577

candidal splenic abscesses, Chew FS; Smith PL; Barboriak D, AJR 1991; **156:** 474

cerebral candidiasis. computed tomography appearance, Chaabane M; Krifa H; Ladeb MF; et al, Pediatr Radiol 1989; **19:** 436

costochondral involvement in systemic candidiasis in heroin addicts: clinical, scintigraphic, and histologic features in 26 patients, (ab), Miro JM; Brancos MA; Abello R; et al, Radiology 1989; **170:** 588

gallium-67 imaging in candidal esophagitis, Rundback JH; Goldfarb CR; Ongseng F, Clin Nucl Med 1990; **15:** 38

In-111 labeled leukocyte scintigraphy in a case of multifocal candidiasis, Palestro CJ; Vega A; Kim CK; et al, Clin Nucl Med 1990; **15:** 392

MR imaging of hepatosplenic candidiasis superimposed on hemochromatosis, Cho J-S; Kim EE; Varma DGK; et al, JCAT 1990; **14:** 774

neonatal systemic candidiasis diagnosed by ultrasound, Tung KT; MacDonald LM; Smith JC, Acta Radiol 1990; **31:** 293

occult candida thyroid abscess diagnosed by gallium-67 scanning, Bach MC; Blattner S, Clin Nucl Med 1990; **15:** 395

renal stone formation following medical treatment of renal candidiasis, Cramer BC; Ozere R; Andrews W, Pediatr Radiol 1990; **21:** 43

role of percutaneous nephrostomy in the management of obstructing candidiasis of the urinary tract in infants, (ab), Bartone FF; Hurwitz RS; Rojas EL; et al, Radiology 1989; **170:** 295

sonography of *Candida albicans* cystitis, Gooding GAW, J Ultrasound Med 1989; **8:** 121

thallium-201 accumulation in cerebral candidiasis: unexpected finding on SPECT, Tonami N; Matsuda H; Ooba H; et al, Clin Nucl Med 1990; **15:** 397

Carbon

See Magnetic resonance (MR), carbon studies

Carbon dioxide

clinical applications of carbon dioxide/digital subtraction arteriography, (ab), Weaver FA; Pentecost MJ; Yellin AE; et al, Radiology 1991; **180:** 590

CO_2 gas perfusion: improved efficiency and safety with sapphire-probe laser ablation of human artery, Yang XM; Manninen H; Naukkarinen A; Ji H; Kankkunen JP; Suhonen M; Soimakallio S, JVIR 1991; **2:** 159

technical note: a simple method for using carbon dioxide during double contrast barium enema, Bartram CI, Clin Radiol 1989; **40:** 318

Carbon monoxide

carbon monoxide poisoning: bilateral lesions in the thalamus on MR imaging of the brain, Tuchman RF; Moser FG; Moshé SL, Pediatr Radiol 1990; **20:** 478

Carcinogenesis

See Neoplasms

Carcinoid

abdominal surgery in patients with midgut carcinoid tumors, Åkerström G; Makridis C; Johansson H, Acta Oncol 1991; **30:** 547

autoimmune phenomena in patients with malignant carcinoid tumors during interferon-α treatment, Rönnblom LE; Alm GV; Öberg K, Acta Oncol 1991; **30:** 537

bronchial carcinoids: a review of 60 patients, (ab), Rea F; Binda R; Spreafico G; et al, Radiology 1989; **173:** 290

bronchial carcinoid tumors: assessment with CT of location and intratumoral calcification in 31 patients, Zwiebel BR; Austin JHM; Grimes MM, Radiology 1991; **179:** 483

bronchial carcinoid tumors: radiologic observations in 49 cases, Nessi R; Ricci PB; Ricci SB; et al, J Thorac Imag 1991; **6-2:** 47

bronchial carcinoid with a twenty-four-year natural history: a case report, Maasilta P; Tammilehto L; Mattson K; et al, Acta Oncol 1989; **28:** 715

carcinoid heart disease: a cardiologist's viewpoint, Lundin L, Acta Oncol 1991; **30:** 499

carcinoid tumor of the bile duct: case report, Fujita N; Mochizuki F; Lee S; et al, Gastrointest Radiol 1989; **14:** 151

carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; **172:** 699

carcinoid tumors of the thymus, (ab), Economopoulos GC; Lewis JW Jr; Lee MW; et al, Radiology 1991; **179:** 884

case report 659, Silverman JM, Skeletal Radiol 1991; **20:** 149

clinical features of carcinoid syndrome and the use of somatostatin analogue in its management, Vinik AI; Thompson N; Eckhauser F; et al, Acta Oncol 1989; **28:** 389

CT demonstration of an ossifying bronchial carcinoid simulating broncholithiasis, Shin MS; Berland LL; Myers JL; et al, AJR 1989; **153:** 51

detection of ACTH-producing bronchial carcinoid tumors: MR imaging vs CT, Doppman JL; Pass HI; Nieman LK; et al, AJR 1991; **156:** 39

diagnostic criteria of classical carcinoids, Wilander E; Scheibenpflug L; Eriksson B; et al, Acta Oncol 1991; **30:** 469

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

effect of somatostatin analogue (octreotide) on blood flow to endocrine tumors metastatic to the liver: angiographic evaluation, Cho KJ; Vinik AI, Radiology 1990; **177:** 549

enterochromaffin-like cells and gastric argyrophil carcinoidosis, Modlin IM; Esterline W; Kim H; et al, Acta Oncol 1991; **30:** 493

evaluation of temporary liver dearterialization and embolization in patients with metastatic carcinoid tumour, Nobin A; Månsson B; Lunderquist A, Acta Oncol 1989; **28:** 419

extended expcrience with recombinant α-2b interferon with or without hepatic artery embolization in the treatment of midgut carcinoid tumours: a preliminary report, Hanssen LE; Schrumpf E; Jacobsen MB; et al, Acta Oncol 1991; **30:** 523

fatal carcinoid crisis after percutaneous fine-needle biopsy of hepatic metastasis: case report and literature review, Bissonnette RT; Gibney RG; Berry BR; Buckley AR, Radiology 1990; **174:** 751

from the archives of the AFIP: carcinoids of the gastrointestinal tract, Buck JL; Sobin LH, Radiographics 1990; **10:** 1081

increased accumulation of N-isopropyl-(I-123)*p*-iodoamphetamine in bronchial carcinoid tumor, Nishizawa S; Higa T; Kuroda Y; et al, J Nucl Med 1990; **31:** 240

in situ hybridization for detection of hormone and peptide mRNA in carcinoid tumors, Funa K, Acta Oncol 1991; **30:** 457

interferon treatment in patients with malignant carcinoids, Nobin A; Lindblom A; Månsson B; et al, Acta Oncol 1989; **28:** 445

limitations of angiography for mesenteric ischemia caused by midgut carcinoid tumors, Rose SC; Meyers WC; Saeed M; et al, Cardiovasc Intervent Radiol 1989; **12:** 131

malignant carcinoid within a recurrent sacrococcygeai teratoma in childhood, Stringer DA; Sprigg A; Kerrigan D; et al, J Canad Assoc Radiol 1990; **41:** 105

management of the ectopic ACTH syndrome due to thoracic carcinoids, (ab), Pass HI; Doppman JL; Nieman L; et al, Radiology 1991; **179:** 292

peripheral carcinoid tumor of the lung: CT diagnosis, Davis SD; Zirn JR; Govoni AF; et al, AJR 1990; **155:** 1185

primary carcinoid tumor of the testis, Frank RG; Gerard PS; Anselmo MT; et al, Urol Radiol 1991; **12:** 203

primary renal carcinoid: computed tomography, ultrasound, and angiographic findings, Moulopoulos A; DuBrow R; David C; et al, JCAT 1991; **15:** 323

pulmonary carcinoid tumors: CT assessment, Magid D; Siegelman SS; Eggleston JC; et al, JCAT 1989; **13:** 244

recombinant α-2 interferon with or without hepatic artery embolization in the treatment of midgut carcinoid tumours: a preliminary report, Hanssen LE; Schrumpf E; Kolbenstvedt AN; et al, Acta Oncol 1989; **28:** 439

role of interferons in the management of carcinoid tumors, Öberg K; Eriksson B, Acta Oncol 1991; **30:** 519

role of radiation therapy in the treatment of locally unresectable or metastatic carcinoid tumors, Schupak KD; Wallner KE, Int J Radiat Oncol Biol Phys 1991; **20:** 489

serotonin-producing carcinoid tumour cells in long-term culture: studies on serotonin release and morphological features, Åhlund L; Nilsson O; Kling-Petersen T; et al, Acta Oncol 1989; **28:** 341

somatostatin-producing duodenal carcinoids in patients with von Recklinghausen's neurofibromatosis: a predilection for black patients, (ab), Burke AP; Sobin LH; Shekitka KM; et al, Radiology 1990; **176:** 882

surgical treatment of carcinoids and endocrine pancreatic tumours, Åkerström G, Acta Oncol 1989; **28:** 409

surgical treatment of patients with the carcinoid syndrome, Ahlman H; Scherstén T; Tiselì L-E, Acta Oncol 1989; **28:** 403

therapeutic considerations for the malignant carcinoid syndrome, Kvols LK, Acta Oncol 1989; **28:** 433

treatment of malignant midgut carcinoid tumours with a long-acting somatostatin analogue octreotide, Öberg K; Norheim I; Theodorsson E, Acta Oncol 1991; **30:** 503

Cardia

See Stomach

Caroli disease

See Bile ducts, diseases

Carotid arteries

See also Cerebral angiography; Cerebral blood vessels

carotid-subclavian bypass: a decade of experience, (ab), Perler BA; Williams GM, JVIR 1991; **2:** 300

carotid-subclavian bypass: a decade of experience, (ab), Perler BA; Williams GM, Radiology 1991; **181:** 294

malignant carotid artery invasion: sonographic detection, Gooding GAW; Langman AW; Dillon WP; Kaplan MJ, Radiology 1989; **171:** 435

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; **170:** 921

origin of the brachiocephalic trunk, left carotid, and left subclavian arteries from the arch of the human aorta, Zamir M; Sinclair P, Invest Radiol 1991; **26:** 128

pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383

retrieval of a 4-French diagnostic catheter fragment from the common carotid artery by using a stone basket, Travelli R; Cogbill TH, AJR 1991; **156:** 1105

Carotid arteries, abnormalities

aberrant carotid artery: presentation in the near midline pharynx, (ab), Ricciardelli E; Hillel AD; Schwartz AN, Radiology 1990; **174:** 902

anomalous branching of the left common carotid artery with associated atherosclerotic changes: a case report, Lambiase RE; Haas RA; Carney WI Jr; et al, AJNR 1991; **12:** 187

case report: MRI diagnosis of congenital absence of the internal carotid artery, Breidahl WH; Khangure MS, Clin Radiol 1990; **42:** 354

congenital absence of the cervical and petrous internal carotid artery with intercavernous anastomosis, Quint DJ; Boulos RS; Spera TD, AJNR 1989; **10:** 435

congenital pulmonary steal associated with Tetralogy of Fallot, right aortic arch and an isolated left carotid artery, Tozzi R; Hernanz-Schulman M; Kiley R; et al, Pediatr Radiol 1989; **19:** 449

evaluation of the carotid artery bifurcation: comparison of magnetic resonance angiography and digital subtraction arch aortography, Kido DK; Barsotti JB; Rice LZ; et al, Neuroradiol 1991; **33:** 48

prominent development of the inferolateral trunk of the internal carotid artery as a collateral pathway to the external carotid system, Yamaki T; Tanabe S; Hashi K, AJNR 1989; **10:** 206

radiologic evaluation of pulsatile tinnitus and the vascular tympanic membrane, Remley KB; Harnsberger HR; Jacobs JM; et al, Semin US CT MR 1989; **10:** 236

sellar enlargement due to ectatic carotid arteries: CT and MR demonstration, Fine M; Barron JT; Gordon DL; et al, JCAT 1990; **14:** 488

Carotid arteries, aneurysm

See Aneurysm, carotid

Carotid arteries, angiography

3DFT MR angiography of carotid and basilar arteries, Wagle WA; Dumoulin CL; Souza SP; et al, AJNR 1989; **10:** 911

anatomical variations of the carotid bifurcation: implications for digital subtraction angiography and ultrasonography, Trigaux J-PP; Delchambre FE; Van Beers BE, Br J Radiol 1990; **63:** 181

angiographic diagnosis of small aneurysms of the posterior communicating artery, Chui M; Muller P; Tucker W, AJNR 1990; **11:** 1165

brachiocephalic vessels in the elderly: technique for catheterization, Mewissen MW; Zavitz WR; Lipchik EO, Radiology 1989; **170:** 887

can clinical evaluation and noninvasive testing substitute for arteriography in the evaluation of carotid artery disease?, (ab), Moore WS; Ziomek S; Quiñones-Baldrich WJ; et al, Radiology 1989; **170:** 586

carotid artery: percutaneous transbrachial selective arteriography with 4-F catheter, Morin ME; Willens BA; Kuss PA, Radiology 1989; **171:** 868

cerebrovascular disease: outpatient evaluation with selective carotid DSA performed via a transbrachial approach, Barnett FJ; Lecky DM; Freiman DB; Montecalvo RM, Radiology 1989; **170:** 535

importance of arteriographic interpretation in occlusion or pseudo-occlusion of the carotid artery, (ab), Ammar AD; Turrentine MW; Farha SJ, Radiology 1989; **170:** 586

organ doses from cardiac and carotid digital subtraction angiography, Mustafa AA; Janeczek J, Br J Radiol 1989; **62:** 838

outpatient brachiocephalic angiography, Huckman MS, Radiology 1989; 170: 317

protocol for the isolation of carotid and vertebral arteries in MR angiography, Cousins JP; Dumoulin CL; Souza SP; et al, AJNR 1989; 10: 921

routine transbrachial angiography, Millward SF, Radiology 1989; 172: 577

spin-labeling angiography of the carotids by presaturation and simplified adiabatic inversion, Sardashti M; Schwartzberg DG; Stomp GP; et al, Magn Res Med 1990; 15: 192

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; 171: 801

where you are doubtful of doing good, be sure of doing no harm, Stevens JM, Radiology 1989; 173: 880

Carotid arteries, CT

evaluation of malignant invasion of the carotid artery by CT scan and ultrasound, (ab), Rothstein SG; Persky MS; Horii S, Radiology 1989; 170: 590

hyperperfusion syndrome after carotid endarterectomy: CT changes, Harrison PB; Wong MJ; Belzberg A; et al, Neuroradiol 1991; 33: 106

sellar enlargement due to ectatic carotid arteries: CT and MR demonstration, Fine M; Barron JT; Gordon DL; et al, JCAT 1990; 14: 488

Carotid arteries, diseases

can clinical evaluation and noninvasive testing substitute for arteriography in the evaluation of carotid artery disease?, (ab), Moore WS; Ziomek S; Quiñones-Baldrich WJ; et al, Radiology 1989; 170: 586

carotid artery disease assessed by color Doppler flow imaging: correlation with standard Doppler sonography and angiography, Steinke W; Kloetzsch C; Hennerici M, AJNR 1990; 11: 259

carotid artery disease assessed by color Doppler flow imaging: correlation with standard Doppler sonography and angiography, Steinke W; Kloetzsch C; Hennerici M, AJR 1990; 154: 1061

general case of the day, Ruscalleda J; Coscojuela P; Guardia E; De Juan M, Radiographics 1991; 11: 929

noninvasive evaluation of the extracranial carotid arteries in patients with cerebrovascular events and atrial fibrillations, (ab), Weinberger J; Rothlauf E; Materese E; et al, Radiology 1989; 170: 902

prevalence of asymptomatic carotid disease: results of duplex scanning in 348 unselected volunteers, (ab), Colgan MP; Strode GR; Sommer JD; et al, Radiology 1989; 172: 293

ultrasound case of the day, Bond JR; Charboneau JW; Stanson AW, Radiographics 1990; 10: 725

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; 11: 504

Carotid arteries, dissection

chemical-shift imaging of a spontaneous internal carotid artery dissection: case report, Pacini R; Simon J; Ketonen L; et al, AJNR 1991; 12: 360

Doppler color flow imaging of carotid artery dissection, Bluth EI; Shyn PB; Sullivan MA; et al, J Ultrasound Med 1989; 8: 149

Doppler color flow imaging of common carotid artery dissection, Steinke W; Schwartz A; Hennerici M, Neuroradiol 1990; 32: 502

iatrogenic dissection of the common carotid artery: diagnosis by dynamic image and color flow Doppler ultrasonography, Gollub MJ; Friedwald JP; Hartigan M, JCU 1991; 19: 250

lower cranial nerve palsy due to dissection of the internal carotid artery: CT and MR imaging, Dal Pozzo G; Mascalchi M; Fonda C; et al, JCAT 1989; 13: 989

magnetic resonance imaging in the exploration of dissection of the internal carotid artery, Brugières P; Castrec-Carpo A; Héran F; et al, J Neuroradiol 1989; 16: 1

MRI in spontaneous dissection of vertebral and carotid arteries: 15 cases studied at 0.5 tesla, Gelbert F; Assouline E; Hodes JE; et al, Neuroradiol 1991; 33: 111

spontaneous dissection of both extracranial internal carotid arteries, Milandre L; Pérot S; Salamon G; et al, Neuroradiol 1989; 31: 435

spontaneous ICA dissection presenting with 12th nerve palsy: clinical and radiological considerations, Bradac GB; Riva A; Stura G; et al, J Neuroradiol 1989; 16: 197

supraclinoid carotid artery dissection following unusual trauma, O'Sullivan RM; Robertson WD; Nugent RA; et al, AJNR 1990; 11: 1150

Carotid arteries, flow dynamics

blood flow in the carotid arteries: quantification by using phase-sensitive MR imaging, Bendel P; Buonocore E; Bockisch A; et al, AJR 1989; 152: 1307

carotid-CNS MR flow imaging, Masaryk TJ; Laub GA; Modic MT; et al, Magn Res Med 1990; 14: 308

carotid sonography, Carroll BA, Radiology 1991; 178: 303

features of carotid artery flow velocity in healthy subjects and consequences for evaluating stenosis in the internal carotid artery, Jungquist G; Arborelius M Jr; Lindell S-E, Ultrasound Med Biol 1989; 15: 305

Carotid arteries, injuries

carotid and vertebral artery trauma: clinical and angiographic features, O'Sullivan RM; Graeb DA; Nugent RA; et al, Australas Radiol 1991; 35: 47

regression of an internal carotid artery pseudoaneurysm after therapeutic embolization of a post-traumatic carotid-cavernous fistula secondary to gunshot injury, Mori S; Feliciani M; Guglielmi G; et al, Neuroradiol 1990; 32: 226

Carotid arteries, interventional procedure

See Carotid arteries, transluminal angioplasty

Carotid arteries, MR

3DFT MR angiography of carotid and basilar arteries, Wagle WA; Dumoulin CL; Souza SP; et al, AJNR 1989; 10: 911

3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ, Radiology 1991; 179: 797

application of a connected-voxel algorithm to MR angiographic data, Saloner D; Hanson WA; Tsuruda JS; van Tyen R; Anderson CM; Lee RE, JMRI 1991; 1: 423

blood flow in the carotid arteries: quantification by using phase-sensitive MR imaging, Bendel P; Buonocore E; Bockisch A; et al, AJR 1989; 152: 1307

carotid body tumor: flow sensitive pulse sequences and MR angiography, Rippe DJ; Grist TM; Uglietta JP; et al, JCAT 1989; 13: 874

carotid-CNS MR flow imaging, Masaryk TJ; Laub GA; Modic MT; et al, Magn Res Med 1990; 14: 308

case report: MRI diagnosis of congenital absence of the internal carotid artery, Breidahl WH; Khangure MS, Clin Radiol 1990; 42: 354

chemical-shift imaging of a spontaneous internal carotid artery dissection: case report, Pacini R; Simon J; Ketonen L; et al, AJNR 1991; 12: 360

contrast-enhanced MR imaging of Tolosa-Hunt syndrome: a case report, Desai SP; Carter J; Jinkins JR, AJNR 1991; 12: 182

dedicated coil for carotid MR angiography, Anderson CM; Saloner D; Lee RE; Fortner A, Radiology 1990; 176: 868

detection of significant extracranial carotid stenosis with routine cerebral MR imaging, Russell EJ, Radiology 1989; 170: 623

evaluation of the carotid artery bifurcation: comparison of magnetic resonance angiography and digital subtraction arch aortography, Kido DK; Barsotti JB; Rice LZ; et al, Neuroradiol 1991; 33: 48

extracorporeal membrane oxygenation in infants: angiographic and parenchymal evaluation of the brain with MR imaging, Lewin JS; Masaryk TJ; Modic MT; Ross JS; Stork EK; Wiznitzer M, Radiology 1989; 173: 361

extracranial carotid arteries: evaluation with "black blood" MR angiography, Edelman RR; Mattle HP; Wallner B; Bajakian R; Kleefield J; Kent C; Skillman JJ; Mendel JB; Atkinson DJ, Radiology 1990; 177: 45

ferromagnetiam and MR imaging: safety of carotid vascular clamps, Teitelbaum GP; Lin MCW; Watanabe AT; et al, AJNR 1990; 11: 267

magnetic resonance imaging in the exploration of dissection of the internal carotid artery, Brugières P; Castrec-Carpo A; Héran F; et al, J Neuroradiol 1989; 16: 1

MR angiography of the carotid arteries: clinical applications, (ab), Boyko OB; Edelman RR; Litt AW, Radiology 1991; 181: 613

MR angiography with oblique gradient-recalled echo technique, Brown DG; Riederer SJ; Jack CR; Farzaneh F; Ehman RL, Radiology 1990; 176: 461

MR angiography with two-dimensional acquisition and three-dimensional display: work in progress, Keller PJ; Drayer BP; Fram EK; Williams KD; Dumoulin CL; Souza SP, Radiology 1989; 173: 527

MRI in spontaneous dissection of vertebral and carotid arteries: 15 cases studied at 0.5 tesla, Gelbert F; Assouline E; Hodes JE; et al, Neuroradiol 1991; 33: 111

MR imaging of intracranial carotid occlusion, Katz BH; Quencer RM; Kaplan JO; et al, AJNR 1989; 10: 345

painful Horner syndrome associated with occlusion of the extracranial internal carotid artery: MR imaging, Stern MJ; Patel M; Davis J; et al, JCAT 1989; 13: 918

paragangliomas of the jugular bulb and carotid body: MR imaging with short sequences and Gd-DTPA enhancement, Vogl TJ; Brüning R; Schedel HK; et al, AJNR 1989; 10: 823

protocol for the isolation of carotid and vertebral arteries in MR angiography, Cousins JP; Dumoulin CL; Souza SP; et al, AJNR 1989; 10: 921

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; 171: 551

routine MR imaging of the internal carotid artery siphon: angiographic correlation with cervical carotid lesions, Brant-Zawadzki M, AJNR 1990; 11: 467

routine MR imaging of the internal carotid artery siphon: angiographic correlation with cervical carotid lesions, Brant-Zawadzki M, AJR 1990; 155: 359

sellar enlargement due to ectatic carotid arteries: CT and MR demonstration, Fine M; Barron JT; Gordon DL; et al, JCAT 1990; 14: 488

significant extracranial carotid stenosis: detection on routine cerebral MR images, Heinz ER; Yeates AE; Djang WT, Radiology 1989; 170: 843

spin-labeling angiography of the carotids by presaturation and simplified adiabatic inversion, Sardashti M; Schwartzberg DG; Stomp GP; et al, Magn Res Med 1990; 15: 192

three-dimensional phase-contrast MR angiography in the head and neck: preliminary report, Pernicone JR; Siebert JE; Potchen EJ; et al, AJNR 1990; 11: 457

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; 171: 801

Carotid arteries, occlusion

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Carotid arteries, stenosis or obstruction

3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ, Radiology 1991; 179: 797

carotid sonography, Carroll BA, Radiology 1991; 178: 303

carotid thrombosis following neck irradiation, Call GK; Bray PF; Smoker WRK; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 635

cerebral hemodynamics in patients with chronic obstructive carotid disease by rCBF, rCBV, and rCBV/rCBF ratio using SPECT, Toyama H; Takeshita G; Takeuchi A; et al, J Nucl Med 1990; **31:** 55

cerebrovascular disease: outpatient evaluation with selective carotid DSA performed via a transbrachial approach, Barnett FJ; Lecky DM; Freiman DB; Montecalvo RM, Radiology 1989; **170:** 535

color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ, Radiographics 1989; **9:** 389

comparison of normal intraarterial digital subtraction angiography with standard angiography in patients with symptomatic cerebrovascular ischemia, Lipchik EO; Mewissen MW, AJNR 1990; **11:** 837

degree of cervical carotid artery stenosis and hemispheric stroke: duplex US findings, Brown PB; Zwiebel WJ; Call GK, Radiology 1989; **170:** 541

detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J, Radiology 1989; **170:** 545

detection of significant extracranial carotid stenosis with routine cerebral MR imaging, Russell EJ, Radiology 1989; **170:** 623

diagnosis of carotid artery stenosis: comparison of 2DFT time-of-flight MR angiography with contrast angiography in 50 patients, Litt AW; Eidelman EM; Pinto RS; et al, AJNR 1991; **12:** 149

diagnosis of carotid artery stenosis: comparison of 2DFT time-of-flight MR angiography with contrast angiography in 50 patients, Litt AW; Eidelman EM; Pinto RS; et al, AJR 1991; **156:** 611

does carotid restenosis predict an increased risk of late symptoms, stroke, or death?, (ab), Bernstein EF; Torem S; Dilley RB, JVIR 1991; **2:** 300

duplex carotid sonography: peak systolic velocity in quantifying internal carotid artery stenosis, Withers CE; Gosink BB; Keightley AM; et al, J Ultrasound Med 1990; **9:** 345

duplex sonography in patients with hemispheric symptoms, Carroll BA, J Ultrasound Med 1989; **8:** 535

duplex ultrasound and ocular pneumoplethysmography concordance in detecting severe carotid stenosis, (ab), Castaldo JE; Nicholas GG; Gee W; et al, Radiology 1989; **173:** 884

duplex ultrasound assessment of extra cranial carotid artery disease: its introduction into a radiology department, Mitchell P; Gibson R; Thomson K, Australas Radiol 1991; **35:** 40

extracranial carotid arteries: evaluation with "black blood" MR angiography, Edelman RR; Mattle HP; Wallner B; Bajakian R; Kleefield J; Kent C; Skillman JJ; Mendel JB; Atkinson DJ, Radiology 1990; **177:** 45

fast selective black blood MR imaging, Edelman RR; Chien D; Kim D, Radiology 1991; **181:** 655

features of carotid artery flow velocity in healthy subjects and consequences for evaluating stenosis in the internal carotid artery, Jungquist G; Arborelius M Jr; Lindell S-E, Ultrasound Med Biol 1989; **15:** 305

importance of arteriographic interpretation in occlusion or pseudo-occlusion of the carotid artery, (ab), Ammar AD; Turrentine MW; Farha SJ, Radiology 1989; **170:** 586

internal carotid artery stenosis: accuracy and reproducibility of color-Doppler–assisted duplex imaging, Polak JF; Dobkin GR; O'Leary DH; Wang A-M; Cutler SS, Radiology 1989; **173:** 793

local intraarterial fibrinolysis in the carotid territory, Theron J; Courtheoux P; Casasco A; et al, AJNR 1989; **10:** 753

long-term follow-up and clinical outcome of carotid restenosis, (ab), Healy DA; Zierler RE; Nicholls SC; et al, Radiology 1990; **175:** 885

magnetic resonance imaging compared with computed tomography and angiography in moyamoya disease, Hasuo K; Yasumori K; Yoshida K; et al, Acta Radiol 1990; **31:** 191

morphological characterization of carotid artery stenoses by ultrasound duplex scanning, Widder B; Paulat K; Hackspacher J; et al, Ultrasound Med Biol 1990; **16:** 349

MR imaging of intracranial carotid occlusion, Katz BH; Quencer RM; Kaplan JO; et al, AJNR 1989; **10:** 345

painful Horner syndrome associated with occlusion of the extracranial internal carotid artery: MR imaging, Stern MJ; Patel M; Davis J; et al, JCAT 1989; **13:** 918

prevalence of hemodynamically significant stenosis of the carotid artery in an asymptomatic veteran population, (ab), Fowl RJ; Marsch JG; Love M; et al, JVIR 1991; **2:** 422

role of carotid screening before coronary artery bypass, (ab), Faggioli GL; Curl GR; Ricotta JJ, JVIR 1991; **2:** 423

routine transbrachial angiography, Millward SF, Radiology 1989; **172:** 577

significant extracranial carotid stenosis: detection on routine cerebral MR images, Heinz ER; Yeates AE; Djang WT, Radiology 1989; **170:** 843

stenosis of the internal carotid artery: assessment using color Doppler imaging compared with angiography, Erickson SJ; Mewissen MW; Foley WD; et al, AJR 1989; **152:** 1299

subdural hematoma in the setting of internal carotid artery occlusion: CT studies, Pascuzzi RM; Boyko OB; Voelker JL, JCAT 1989; **13:** 899

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; **171:** 801

total occlusion of the common carotid artery with patent internal carotid artery: identification with color flow Doppler imaging, Dashefsky SM; Cooperberg PL; Harrison PB; et al, J Ultrasound Med 1991; **10:** 417

ultrasonographic features of carotid plaque and the risk of subsequent neurologic deficits, (ab), Sterpetti AV; Schultz RD; Feldhaus RJ; et al, Radiology 1989; **171:** 883

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 504

where you are doubtful of doing good, be sure of doing no harm, Stevens JM, Radiology 1989; **173:** 880

Carotid arteries, surgery

hyperperfusion syndrome after carotid endarterectomy: CT changes, Harrison PB; Wong MJ; Belzberg A; et al, Neuroradiol 1991; **33:** 106

Carotid arteries, therapeutic blockade

balloon occlusion of the carotid artery prior to surgery for neck tumors, Gonzalez CF; Moret J, AJNR 1990; **11:** 649

embolization of a intraparotid false aneurysm of the external carotid artery: case report, Bartoli J-M; Triglia J-M; Farnarier P; et al, Cardiovasc Intervent Radiol 1991; **14:** 173

embolization of branches arising from the cavernous portion of the internal carotid artery, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 143

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

laser-induced thermal occlusion of berry aneurysms: initial experimental results, O'Reilly GV; Forrest MD; Schoene WC; Clarke RH, Radiology 1989; **171:** 471

on research, training, politico-economics, and radiology, Davis DO, Radiology 1989; **171:** 319

skull-base tumors: ethanol embolization of the cavernous carotid artery, Jungreis CA, Radiology 1991; **181:** 741

value of pre-operative embolisation of meningioma estimated subjectively and objectively, Macpherson P, Neuroradiol 1991; **33:** 334

Carotid arteries, transluminal angioplasty

case report: percutaneous supra-aortic angioplasty in a high risk coronary patient, Sharma S; Kaul U; Misra N; et al, Clin Radiol 1990; **42:** 57

new triple coaxial catheter system for carotid angioplasty with cerebral protection, Theron J; Courtheoux P; Alachkar F; et al, AJNR 1990; **11:** 869

percutaneous transluminal angioplasty (PTA) of supra-aortic arteries especially the internal carotid artery, Kachel R; Basche S; Heerklotz I; et al, Neuroradiol 1991; **33:** 191

use of technetium-HMPAO to demonstrate changes in cerebral blood flow reserve following carotid endarterectomy, Ramsay SC; Yeates MG; Lord RS; et al, J Nucl Med 1991; **32:** 1382

Carotid arteries, ulceration

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; **171:** 801

Carotid arteries, US

anatomical variations of the carotid bifurcation: implications for digital subtraction angiography and ultrasonography, Trigaux J-PP; Delchambre FE; Van Beers BE, Br J Radiol 1990; **63:** 181

carotid artery disease assessed by color Doppler flow imaging: correlation with standard Doppler sonography and angiography, Steinke W; Kloetzsch C; Hennerici M, AJNR 1990; **11:** 259

carotid artery disease assessed by color Doppler flow imaging: correlation with standard Doppler sonography and angiography, Steinke W; Kloetzsch C; Hennerici M, AJR 1990; **154:** 1061

carotid duplex sonography: bisferious pulse contour in patients with aortic valvular disease, Kallman CE; Gosink BB; Gardner DJ, AJR 1991; **157:** 403

carotid ghost: a color Doppler ultrasound duplication artifact, (ab), Middleton WD; Melson GL, JVIR 1991; **2:** 301

carotid ghost: a color Doppler ultrasound duplication artifact, Middleton WD; Melson GL, J Ultrasound Med 1990; **9:** 487

carotid sonography, Carroll BA, Radiology 1991; **178:** 303

color-flow Doppler and conventional duplex scanning of the carotid bifurcation: prospective, double-blind, correlative study, Hallam MJ; Reid JM; Cooperberg PL, AJR 1989; **152:** 1101

colour Doppler flow imaging of the carotid arteries, Kessler C; Maravic Cv; Maravic Mv; et al, Neuroradiol 1991; **33:** 114

controversies in radiology: Doppler of the carotid arteries, Hartnell GG, Clin Radiol 1989; **40:** 117

correlation of experimental rCBF determinations in goats with flow measurements from a Doppler-modified carotid artery shunt, Loftus CM; Silvidi JA; Becker JA; et al, J Ultrasound Med 1989; **8:** 7

degree of cervical carotid artery stenosis and hemispheric stroke: duplex US findings, Brown PB; Zwiebel WJ; Call GK, Radiology 1989; **170:** 541

diagnosis of carotid-cavernous fistula by periorbital color Doppler imaging and pulsed Doppler volume flow analysis, Kotval PS; Weitzner I Jr; Tenner MS, J Ultrasound Med 1990; **9:** 101

Doppler color flow imaging of carotid artery dissection, Bluth EI; Shyn PB; Sullivan MA; et al, J Ultrasound Med 1989; **8:** 149

Doppler color flow imaging of common carotid artery dissection, Steinke W; Schwartz A; Hennerici M, Neuroradiol 1990; **32:** 502

duplex carotid sonography: peak systolic velocity in quantifying internal carotid artery stenosis, Withers CE; Gosink BB; Keightley AM; et al, J Ultrasound Med 1990; **9:** 345

duplex Doppler sonography of the carotid artery: false-positive results in an artery contralateral to an artery with marked stenosis, Beckett WW Jr; Davis PC; Hoffman JC Jr, AJNR 1990; **11:** 1049

duplex Doppler sonography of the carotid artery: false-positive results in an artery contralateral to an artery with marked stenosis, Beckett WW Jr; Davis PC; Hoffman JC Jr, AJR 1990; **155:** 1091

duplex examination of the carotid arteries, Zwiebel WJ; Knighton R, Semin US CT MR 1990; **11:** 97

duplex scanning of normal or minimally diseased carotid arteries: correlation with arteriography and clinical outcome, (ab), Zierler RE; Kohler TR; Strandness DE Jr, Radiology 1991; **179:** 295

duplex-scanning of the deep venous drainage in the evaluation of blood flow velocity of the cerebral vascular system in infants, Winkler P; Helmke K, Pediatr Radiol 1989; **19:** 79

duplex sonography in patients with hemispheric symptoms, Carroll BA, J Ultrasound Med 1989; **8:** 535

duplex ultrasound analysis of operated carotid arteries in baboons, Bass A; Kelly AB; Otis SM; et al, J Ultrasound Med 1990; **9:** 267

duplex ultrasound assessment of extra cranial carotid artery disease: its introduction into a radiology department, Mitchell P; Gibson R; Thomson K, Australas Radiol 1991; **35:** 40

evaluation of malignant invasion of the carotid artery by CT scan and ultrasound, (ab), Rothstein SG; Persky MS; Horii S, Radiology 1989; **170:** 590

fate of unrepaired minor technical defects detected by intraoperative ultrasonography during carotid endarterectomy, (ab), Sawchuk AP; Flanigan DP; Machi J, Radiology 1989; **173:** 884

high-resolution carotid sonography: past, present, and future, O'Leary DH; Polak JF, AJR 1989; **153:** 699

internal carotid artery stenosis: accuracy and reproducibility of color-Doppler–assisted duplex imaging, Polak JF; Dobkin GR; O'Leary DH; Wang A-M; Cutler SS, Radiology 1989; **173:** 793

invasion of the carotid artery and jugular vein by lymph node metastases: detection with sonography, Gritzmann N; Grasl MC; Helmer M; et al, AJR 1990; **154:** 411

is duplex scanning sufficient evaluation before carotid endarterectomy?, (ab), Gueder JW; Lamparello PJ; Riles TS; et al, Radiology 1989; **173:** 292

malignant carotid artery invasion: sonographic detection, Gooding GAW; Langman AW; Dillon WP; Kaplan MJ, Radiology 1989; **171:** 435

measurement of intima-media thickness of common carotid arteries with high-resolution B-mode ultrasonography: inter- and intra-observer variability, Salonen R; Haapanen A; Salonen JT, Ultrasound Med Biol 1991; **17:** 225

morphological characterization of carotid artery stenoses by ultrasound duplex scanning, Widder B; Paulat K; Hackspacher J; et al, Ultrasound Med Biol 1990; **16:** 349

stenosis of the internal carotid artery: assessment using color Doppler imaging compared with angiography, Erickson SJ; Mewissen MW; Foley WD; et al, AJR 1989; **152:** 1299

tissue characterization of atheromatous plaques: correlation between ultrasound image and histological findings, Goes E; Janssens W; Maillet B; et al, JCU 1990; **18:** 611

total occlusion of the common carotid artery with patent internal carotid artery: identification with color flow Doppler imaging, Dashefsky SM; Cooperberg PL; Harrison PB; et al, J Ultrasound Med 1991; **10:** 417

ultrasonographic features of carotid plaque and the risk of subsequent neurologic deficits, (ab), Sterpetti AV; Schultz RD; Feldhaus RJ; et al, Radiology 1989; **171:** 883

ultrasound case of the day, Bond JR; Charboneau JW; Stanson AW, Radiographics 1990; **10:** 725

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 504

Carotid body, neoplasms

carotid body tumor: flow sensitive pulse sequences and MR angiography, Rippe DJ; Grist TM; Uglietta JP; et al, JCAT 1989; **13:** 874

color flow Doppler of carotid body paraganglioma, Shulak JM; O'Donovan PB; Paushter DM; et al, J Ultrasound Med 1989; **8:** 519

embolization: an adjunctive measure for removal of carotid body tumors, (ab), Ward PH; Liu C; Vinuela F; et al, Radiology 1989; **173:** 887

paragangliomas of the jugular bulb and carotid body: MR imaging with short sequences and Gd-DTPA enhancement, Vogl TJ; Brüning R; Schedel HK; et al, AJNR 1989; **10:** 823

pheochromocytoma associated with prior carotid body tumors (chemodectomas): detection with I-131 MIBG, Campeau RJ; Graves C, Clin Nucl Med 1991; **16:** 511

Carotid body, US

color flow Doppler of carotid body paraganglioma, Shulak JM; O'Donovan PB; Paushter DM; et al, J Ultrasound Med 1989; **8:** 519

Carpus

See Wrist

Cartilage

articular cartilage: correlation of histologic zones with signal intensity at MR imaging, Modl JM; Sether LA; Haughton VM; Kneeland JB, Radiology 1991; **181:** 853

contrast medium imbibition in osteoarthritic cartilage, Spring MW; Buckland-Wright JC, Br J Radiol 1990; **63:** 823

cysts of the semilunar cartilages of the knee: a new approach by ultrasound imaging: a study of six cases and review of the literature, Peetrons P; Allaer D; Jeanmart L, J Ultrasound Med 1990; **9:** 333

knee hyaline cartilage evaluated with MR imaging: a cadaveric study involving multiple imaging sequences and intraarticular injection of gadolinium and saline solution, Chandnani VP; Ho C; Chu P; Trudell D; Resnick D, Radiology 1991; **178:** 557

laryngotracheobronchial cartilage calcification in children: a case report and review of the literature, Santos JMG, Pediatr Radiol 1991; **21:** 377

MR findings of cartilage invasion by laryngeal cancer: value in predicting outcome of radiation therapy, Castelijns JA; Golding RP; van Schaik C; Valk J; Snow GB, Radiology 1990; **174:** 669

occult posttraumatic osteochondral lesions of the knee: prevalence, classification, and short-term sequelae evaluated with MR imaging, Vellet AD; Marks PH; Fowler PJ; Munro TG, Radiology 1991; **178:** 271

patellar cartilage lesions: in vitro detection and staging with MR imaging and pathologic correlation, Hayes CW; Sawyer RW; Conway WF, Radiology 1990; **176:** 479

structure, function, and degeneration of bovine hyaline cartilage: assessment with MR imaging in vitro, Lehner KB; Rechl HP; Gmeinwieser JK; Heuck AF; Lukas HP; Kohl HP, Radiology 1989; **170:** 495

vacuum phenomenon simulating meniscal or cartilaginous injury of the knee at MR imaging, Shogry MEC; Pope TL Jr, Radiology 1991; **180:** 513

Castleman tumor

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Cataracts

severe dwarfism with cataracts. a new osteochondrodysplasia, Chapman S; Bundey S; Fletcher RF, Br J Radiol 1990; **63:** 971

Catheters and catheterization

angioplasty from the contralateral approach: use of a guiding catheter and coaxial angioplasty balloons, Kaufman SL, Radiology 1990; **177:** 577

antegrade selective catheterization of femoral vessels with a 4- or 5-F catheter and safety wire, Sacks D; Summers TA, JVIR 1991; **2:** 325

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; **170:** 391

balloon dilation of the prostate: effective treatment or dilatory tactic?, Pollack HM, Radiology 1991; **178:** 331

benign biliary strictures: treatment with percutaneous cholangioplasty, Citron SJ; Martin LG, Radiology 1991; **178:** 339

comments on interventional neuroradiology, Chase NE, Radiology 1991; **178:** 624

devil in Dr Pollack: defending our souls, Wasserman NF, Radiology 1991; **178:** 333

double-guide-wire access through a single 6-F vascular sheath, Teitelbaum GP; Joseph GJ; Matsumoto AH; Barth KH, Radiology 1989; **173:** 871

endoluminal catheter-assisted transcervical US of the human embryo. work in progress, Ragavendra N; McMahon JT; Perrella RR; Tessler FN; Hansen GC; Kimme-Smith C; Grant EG; Crandall BF, Radiology 1991; **181:** 779

esophageal strictures: balloon dilation, Cohen ME; Goldberg RI; Barkin JS, Radiology 1989; **171:** 285

esophageal strictures: balloon dilation: reply, Castaneda-Zuniga WR, Radiology 1989; **171:** 285

experimental treatment of benign prostatic hyperplasia with transurethral balloon dilation of the prostate: preliminary study in 73 humans, Wasserman NF; Reddy PK; Zhang G; Berg PA, Radiology 1990; **177:** 485

fallopian tubes: improved technique for catheterization, Thurmond AS; Rösch J, Radiology 1990; **174:** 572

heparin in angiography: current patterns of use, Miller DL, Radiology 1989; **172:** 1007

infected abdominal tumors: percutaneous catheter drainage, Mueller PR; White EM; Glass-Royal M; Zeman RK; Saini S; Silverman SG; Hahn PF; Simeone JF, Radiology 1989; **173:** 627

inferior vena cava: translumbar catheterization for central venous access, Denny DF Jr; Greenwood LH; Morse SS; Lee GK; Baquero J, Radiology 1989; **172:** 1013

intracranial aneurysms: interventional neurovascular treatment with detachable balloons, Kobrine AI, Radiology 1991; **178:** 627

intracranial aneurysms: interventional neurovascular treatment with detachable balloons—results in 215 cases, Higashida RT; Halbach VV; Dowd CF; Barnwell SL; Hieshima GB, Radiology 1991; **178:** 663

miniaturization of catheter systems for angiography, Hawkins IF Jr; Akins EW, Radiology 1989; **172:** 1015

obstructions of the hepatic duct confluence: internal drainage of bilateral lesions with a single catheter, Burke DR; McLean GK, Radiology 1989; **172:** 1035

percutaneous atherectomy as an alternative treatment for postangioplasty obstructive intimal flaps, Maynar M; Reyes R; Cabrera V; Roman M; Pulido JM; Castaneda F; Letourneau JG; Castaneda-Zuniga WR, Radiology 1989; **170:** 1029

percutaneous catheter drainage of necrotic tumors: CT demonstration, Abbitt PL; Armstrong P, JCAT 1989; **13:** 437

percutaneous cecostomy for Ogilvie syndrome: laboratory observations and clinical experience, vanSonnenberg E; Varney RR; Casola G; Macaulay S; Wittich GR; Polansky AM; Schechter M, Radiology 1990; **175:** 679

percutaneous treatment of urine leaks in renal transplantation patients, Matalon TAS; Thompson MJ; Patel SK; Ramos MV; Jensik SC; Merkel FK, Radiology 1990; **174:** 1049

pinch-off syndrome: a complication of implantable subclavian venous access devices, Hinke DH; Zandt-Stastny DA; Goodman LR; Quebbeman EJ; Krzywda EA; Andris DA, Radiology 1990; **177:** 353

postoperative abscesses with enteric communication: percutaneous treatment, Lambiase RE; Cronan JJ; Dorfman GS; Paolella LP; Haas RA, Radiology 1989; **171:** 497

proximal fallopian tube occlusion: diagnosis and treatment with transcervical fallopian tube catheterization, Kumpe DA; Zwerdlinger SC; Rothbarth LJ; Durham JD; Albrecht BH, Radiology 1990; **177:** 183

pull-through approach to percutaneous angioplasty of totally occluded common iliac arteries, Ginsburg R; Thorpe P; Bowles CR; Wright AM; Wexler L, Radiology 1989; **172:** 111

radiologic placement of Hickman catheters, Robertson LJ; Mauro MA; Jaques PF, Radiology 1989; **170:** 1007

radionuclide assessment of a system for slow intrathecal infusion of drugs, Hicks RJ; Kalff V; Brazenor G; et al, Clin Nucl Med 1989; **14:** 275

rectal strictures: treatment with fluoroscopically guided balloon dilation, de Lange EE; Shaffer HA Jr, Radiology 1991; **178:** 475

risk of thromboembolism during diagnostic and interventional cardiac procedures with nonionic contrast media, Hwang MH; Piao ZE; Murdock DK; Messmore HL; Giardina JJ; Scanlon PJ, Radiology 1990; **174:** 453

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, McLean GK; LeVeen RF, Radiology 1989; **172:** 983

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, Lindahl H; Rintala R, Radiology 1990; **175:** 879

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage: reply, McLean GK; LeVeen RF, Radiology 1990; **175:** 879

techniques for lower-limb angiography: a comparative study, Smith TP; Cragg AH; Berbaum KS; Ryals TJ; Sato Y, Radiology 1990; **174:** 951

translumbar inferior vena cava catheters for long-term venous access, Lund GB; Lieberman RP; Haire WD; Martin VA; Kessinger A; Armitage JO, Radiology 1990; **174:** 31

Catheters and catheterization, complications

avulsed Olbert balloon—an avoidable complication of percutaneous transluminal angioplasty, Law P; Dacie JE, Clin Radiol 1989; **40:** 88

bleeding complications of femoral catheterization: CT evaluation, Trerotola SO; Kuhlman JE; Fishman EK, Radiology 1990; **174:** 37

central venous catheter vascular erosions: diagnosis and clinical course, (ab), Ellis LM; Vogel SB; Copeland EM III, Radiology 1989; **173:** 885

complications from 0.018-in. floppy platinum-tip guidewires, Quinn SF; Morse S, AJR 1990; **154:** 1103

CT and anatomic study of postcatheterization hematomas, Trerotola SO; Kuhlman JE; Fishman EK, Radiographics 1991; **11:** 247

CT diagnosis of catheter-induced septic thrombus of vena cava, Mori H; Fukuda T; Isomoto I; et al, JCAT 1990; **14:** 236

delayed rupture of a pseudoaneurysm of the costocervical trunk: treatment with therapeutic embolization, Lang EV; Picus D, Radiology 1991; **178:** 352

early myointimal hyperplasia after balloon catheter embolectomy: effect of shear forces and multiple withdrawals, (ab), Schwarcz TH; Dobrin PB; Mrkvicka R; et al, Radiology 1989; **170:** 291

embolization hazard of hydrophilic guide wires, Siegel JB; Kim D; Porter DH, Radiology 1989; **171:** 582

experience with new retrieval forceps for foreign body removal in the vascular, urinary, and biliary systems, Selby JB Jr; Tegtmeyer CJ; Bittner GM, Radiology 1990; **176:** 535

femoral arterial injury following catheterization: duplex evaluation, Sacks D; Robinson ML; Perlmutter GS, J Ultrasound Med 1989; **8:** 241

forearm blood flow measurements using technetium-99m human serum albumin following brachial arteriotomy, Parkin A; Smye SW; Bishop N; et al, J Nucl Med 1989; **30:** 45

fracturing and stretching of angioplasty balloon catheters under bending with tension, Jeans WD; Blakeborough A; Loose HWC, Br J Radiol 1991; **64:** 228

hematoma formation after diagnostic angiography: effect of catheter size, Cragg AH; Nakagawa N; Smith TP; Berbaum KS, JVIR 1991; **2:** 231

Hickman nodule: a mimic of metastatic disease, Fernandez GG; Coblentz CL; Cooper C; Sallee DS, Radiology 1989; **171:** 401

homemade snare for removal of foreign bodies, Hartnell GG, Radiology 1991; **181:** 903

hysterosalpingography with a balloon catheter versus a cannula: evaluation of patient pain, Varpula M, Radiology 1989; **172:** 745

importance of daily rounds by the radiologist after interventional procedures of the abdomen and chest, Goldberg MA; Mueller PR; Saini S; Lee MJ; Girard MJ; Dawson SL; Hallisey MJ; Cortell ED; Hahn PF; Brink JA, Radiology 1991; **180:** 767

incidental extraction of double pigtail catheter during nephrostomy removal, Greenstein A; Shoval Y; Chen J; et al, Urol Radiol 1989; **11:** 121

inferior vena cava: translumbar catheterization for central venous access, Denny DF Jr; Greenwood LH; Morse SS; Lee GK; Baquero J, Radiology 1989; **172:** 1013

irrigation device for neuroangiographic procedures, Choi IS; Berenstein A; Kagetsu NJ, Radiology 1990; **177:** 580

late complications after femoral artery catheterization in children less than five years of age, (ab), Taylor LM Jr; Troutman R; Feliciano P; et al, Radiology 1990; **176:** 886

limb shortening secondary to complications of vascular cannulae in the neonatal period, Guy RL; Holland JP; Shaw DG; et al, Skeletal Radiol 1990; **19:** 423

mechanical clot dissolution: new concept, Bildsoe MC; Moradian GP; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **171:** 231

medial brachial fascial compartment syndrome: anatomic basis of neuropathy after transaxillary arteriography, Smith DC; Mitchell DA; Peterson GW; Will AD; Mera SS; Smith LL, Radiology 1989; **173:** 149

nitinol gooseneck snare for removal of foreign bodies: experimental study and clinical evaluation, Yedlicka JW Jr; Carlson JE; Hunter DW; Castañeda-Zúñiga WR; Amplatz K, Radiology 1991; **178:** 691

percutaneous removal of a Gianturco coil from the pulmonary artery with use of flexible intravascular forceps, Chomyn JJ; Craven WM; Groves BM; Durham JD, JVIR 1991; **2:** 105

perineal abscess after prostatic urethroplasty with balloon catheter: report of a case, Castaneda F; Hulbert JC; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **174:** 49

perirenal hematoma following catheter removal: an unusual complication of percutaneous nephrostomy, Merine DS; Fishman EK, Clin Imag 1989; **13:** 74

pinch-off syndrome: a complication of implantable subclavian venous access devices, Hinke DH; Zandt-Stastny DA; Goodman LR; Quebbeman EJ; Krzywda EA; Andris DA, Radiology 1990; **177:** 353

pseudoaneurysm and arteriovenous fistula after femoral artery catheterization: association with low femoral punctures, Altin RS; Flicker S; Naidech HJ, AJR 1989; **152:** 629

radiological detection of malpositions and complications of central venous catheters, Maffessanti M; Bortolotto P; Kette F; et al, Eur J Radiol 1989; **9:** 101

radiologic insertion of Hickman catheters in HIV-positive patients: infectious complications, Dick L; Mauro MA; Jaques PF; Buckingham P, JVIR 1991; **2:** 327

recanalization of total arterial occlusions with the Kensey dynamic angioplasty catheter, Wholey MH; Smith JAM; Godlewski P; Nagurka M, Radiology 1989; **172:** 95

retrieval of a 4-French diagnostic catheter fragment from the common carotid artery by using a stone basket, Travelli R; Cogbill TH, AJR 1991; **156:** 1105

sequential development of multiple aortic aneurysms in a neonate post umbilical arterial catheter insertion, Kirpekar M; Augenstein H; Abiri M, Pediatr Radiol 1989; **19:** 452

solution to the problem of high-flow jets from miniature angiographic catheters, Daniel TB; Akins EW; Hawkins IF Jr, AJR 1990; **154:** 1091

technical note: methods for deflating retained urinary catheters, Garrett JP, Clin Radiol 1989; **40:** 319

thrombogenicity of hydrophilically coated guide wires and catheters, Leach KR; Kurisu Y; Carlson JE; Repa I; Epstein DH; Urness M; Sahatjian R; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **175:** 675

translumbar inferior vena cava catheters for long-term venous access, Lund GB; Lieberman RP; Haire WD; Martin VA; Kessinger A; Armitage JO, Radiology 1990; **174:** 31

use of a balloon catheter to control hemorrhage from the subclavian artery after removal of an inadvertently placed catheter, Millward SF; Lamb MN; Barron PT, AJR 1991; **156:** 1261

use of angiographic needles with or without stylets: pathologic assessment of vessel walls after puncture, Frood LR; Smith DC; Pappas JM; Elvin PK; Westengard JC; Saukel GW, JVIR 1991; **2:** 269

Catheters and catheterization, in infants and children

4-F coaxial catheter system for pediatric vascular occlusion with detachable balloons, Burrows PE; Lasjaunias P; TerBrugge KG, Radiology 1989; **170:** 1091

atretic esophagus: transgastric balloon-assisted hydrostatic dilation, Kleinman PK; Waite RJ; Cohen IT; Hirsh MP; Belanger PL, Radiology 1989; **171:** 831

Doppler flow monitoring of the dorsal artery of the foot facilitates puncture of the femoral artery in children, Becker CJ; Towbin RB, AJR 1990; **155:** 131

evaluation of umbilical catheter and tube placement in premature infants, Das Narla L; Hom M; Lofland GK; Moskowitz WB, Radiographics 1991; **11:** 849

inferior vena cava: translumbar catheterization for central venous access, Denny DF Jr; Greenwood LH; Morse SS; Lee GK; Baquero J, Radiology 1989; **172:** 1013

Catheters and catheterization, technology

4-F coaxial catheter system for pediatric vascular occlusion with detachable balloons, Burrows PE; Lasjaunias P; TerBrugge KG, Radiology 1989; **170:** 1091

angioplasty sites: assessment with the dual-access technique, Frink NC; Paolella LP; Dorfman GS, Radiology 1990; **174:** 264

arterial occlusive disease below the knee, Lipchik EO, Radiology 1989; **171:** 283

arterial occlusive disease below the knee: reply, Schwarten DE, Radiology 1989; **171:** 283

aspiration catheter for percutaneous thrombectomy: clinical results, Günther RW; Vorwerk D, Radiology 1990; **175:** 271

assessment of angioplasty balloon catheters: further studies, Jeans WD; Henson JHL; Holloway MA; et al, Br J Radiol 1989; **62:** 121

brachiocephalic vessels in the elderly: technique for catheterization, Mewissen MW; Zavitz WR; Lipchik EO, Radiology 1989; **170:** 887

carotid artery: percutaneous transbrachial selective arteriography with 4-F catheter, Morin ME; Willens BA; Kuss PA, Radiology 1989; **171:** 868

catheter for conversion of retrograde to antegrade femoral artery catheterization, Patel YD, AJR 1990; **154:** 179

clot-trapper device for transjugular thrombectomy from the inferior vena cava, Ponomar E; Carlson JE; Kindlund A; Rodriguez JP; Castaneda-Zuniga WR; Hunter DW; Yedlicka JW Jr; Amplatz K, Radiology 1991; **179:** 279

coaxial catheter and steerable guidewire used to embolize branches of the splanchnic arteries, Okazaki M; Higashihara H; Koganemaru F; et al, AJR 1990; **155:** 405

coaxial technique for performing galactography, Berná JD; Guirao J; Garcia V, AJR 1989; **153:** 273

compact contrast material bolus with a new 5-F angiographic catheter, Zemel G; Benenati JF; Becker GJ; Katzen BT; Sallee DS, JVIR 1991; **2:** 279

coronary angiography by means of the percutaneous transbrachial approach, Kamiya H; Ohsugi S; Ohno M; Horiba M; Hayashi H, Radiology 1991; **179:** 863

device for hysterosalpingography and fallopian tube catheterization, Thurmond AS; Uchida BT; Rösch J, Radiology 1990; **174:** 571

does the Kensey catheter keep a coaxial position inside the arterial lumen?: an in-vitro angioscopic study, Gehani AA; Davies A; Stoodley K; et al, Cardiovasc Intervent Radiol 1991; **14:** 222

Doppler flow monitoring of the dorsal artery of the foot facilitates puncture of the femoral artery in children, Becker CJ; Towbin RB, AJR 1990; **155:** 131

double-lumen central venous catheter for percutaneous ureteral perfusion studies, Diament MJ; Koenig JC Jr, Radiology 1991; **181:** 286

double-lumen needle for percutaneous ureteral pressure-flow studies, Epstein DH; Hunter DW; Coleman CC; Derauf BJ; Krenzel C; Schlam BW; Moradian GP; Castaneda F; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **172:** 569

embolization with steel coils using a saline flush technique, Makita K; Furui S; Irie T; et al, Br J Radiol 1991; **64:** 708

endoluminal US: experiments with nonvascular uses in animals, Goldberg BB; Liu J-B; Merton DA; Kurtz AB, Radiology 1990; **175:** 39

endovascular treatment of intracranial aneurysms with a new silicone microballoon device: technical considerations and indications for therapy, Higashida RT; Halbach VV; Dormandy B; Bell JD; Hieshima GB, Radiology 1990; **174:** 687

enterostomy catheter exchange using new polymer-coated guide wire: technical note, Markowitz DM; Denny DF Jr, Gastrointest Radiol 1990; **15:** 64

fallopian tube catheterization: modified fluoroscopic technique, LaBerge JM; Ponec DJ; Gordon RL, Radiology 1990; **176:** 283

fracturing and stretching of angioplasty balloon catheters under bending with tension, Jeans WD; Blakeborough A; Loose HWC, Br J Radiol 1991; **64:** 228

functional properties of the Kensey arterial recanalization catheter: in vitro investigations, Schmitz-Rode T; Günther RW, Invest Radiol 1990; **25:** 631

guide-wire reinforcement and lengthening with coaxial locking guide wires: the crimping technique, Pry R; Miles SG; Hawkins IF Jr; Akins EW; Rasmussen JF, Radiology 1990; **174:** 268

hepatic arterial catheterization with use of a supple catheter with a ball tip, Hori S; Matsushita M; Narumi Y; Fujita M; Tomoda K, Radiology 1989; **171:** 860

hepatic arterial embolization in cases of extensive celiac arterial stenosis, Hori S; Inoue E; Narumi Y; Fujita M; Kadowaki K, Radiology 1991; **178:** 353

hydroxyethyl methylacrylate and latex balloons, Monsein LH; Debrun GM; Chazaly JR, AJNR 1990; **11:** 663

hysterosalpingography and fallopian tube cannulation: use of a double-balloon introducing catheter, Meyerovitz MF, Radiology 1991; **181:** 901

indwelling angiographic catheters to facilitate placement of ureteric stents, Gray RR; Rooney M; Grosman H, J Canad Assoc Radiol 1991; **42:** 127

inferior vena cava: translumbar catheterization for central venous access, Denny DF Jr; Greenwood LH; Morse SS; Lee GK; Baquero J, Radiology 1989; **172:** 1013

injection technique for repositioning central venous catheters: technical note, Olcott EW; Gordon RL; Ring EJ, Cardiovasc Intervent Radiol 1989; **12:** 292

insertion of subclavian hemodialysis catheters in difficult cases: value of fluoroscopy and angiographic techniques, Selby JB Jr; Tegtmeyer CJ; Amodeo C; et al, AJR 1989; **152:** 641

intravascular microcatheter pressure monitoring: experimental results and early clinical evaluation, Duckwiler GR; Dion J; Viñuela F, AJNR 1990; **11:** 169

invasive radiology, Meaney TF, Radiographics 1989; **9:** 1181

irrigation device for neuroangiographic procedures, Choi IS; Berenstein A; Kagetsu NJ, Radiology 1990; **177:** 580

laser ring catheters in excimer laser angioplasty, Duda SH; Karsch KR; Haase KK; Huppert PE; Claussen CD, Radiology 1990; **175:** 269

long-term central venous access with a peripherally placed subcutaneous infusion port: initial results, Andrews JC; Walker-Andrews SC; Ensminger WD, Radiology 1990; **176:** 45

loop catheter for superselective catheterization of the hepatic artery, Ohno K; Yamashita M; Kushima K; et al, AJR 1989; **153:** 296

low-speed rotational angioplasty in chronic peripheral artery occlusions: experience in 83 patients. work in progress, Vallbracht C; Liermann DD; Prignitz I; Beinborn W; Roth FJ; Kollath J; Landgraf H; Kaltenbach M, Radiology 1989; **172:** 327

mechanical clot dissolution: new concept, Bildsoe MC; Moradian GP; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **171:** 231

microcatheter with a ball tip for hepatic embolization and intra-arterial chemotherapy, Hori S; Matsushita M; Narumi Y; et al, Eur J Radiol 1989; **9:** 44

miniaturization of catheter systems for angiography, Hawkins IF Jr; Akins EW, Radiology 1989; **172:** 1015

modified catheter for percutaneous gastrojejunostomy, Gray RR; St. Louis EL; Grosman H, Radiology 1989; **173:** 276

modified gastrojejunostomy tube: percutaneous placement for gastric decompression and jejunal feeding, Grassi CJ, Radiology 1989; **173:** 875

modified transparent angiography catheter: preliminary in vivo and in vitro evaluations, Ahn HS; Anderson JH, AJNR 1989; **10:** 587

multilevel infusion catheter for use with thrombolytic agents, Hicks ME; Picus D; Darcy MD; Kleinhoffer MA, JVIR 1991; **2:** 73

new balloon-through-balloon angioplasty technique for the treatment of segmental lesions, Selby JB Jr; Tegtmeyer CJ, Radiology 1990; **177:** 276

new device for percutaneous fragmentation of pulmonary emboli, Schmitz-Rode T; Günther RW, Radiology 1991; **180:** 135

new guide wire for high-flow infusion, Barnhart W; Snidow JJ; Smith TP; Castaneda F; Nakagawa N; Cragg AH, Radiology 1990; **174:** 1058

new high-flow "cloud" catheter for safer delivery of contrast material, Hansen EC; Hawkins MC; Hawkins IF Jr; Akins EW; Miles SG; Collela JP, Radiology 1989; **173:** 461

new plastic-coated coaxial catheter system for superselective hepatic catheterization: technical note, Takayasu K; Aoki K; Ichikawa T; et al, Cardiovasc Intervent Radiol 1990; **13:** 384

new reperfusion devices: the Kensey catheter, the atherolytic reperfusion wire device, and the transluminal extraction catheter, Wholey MH; Jarmolowski CR, Radiology 1989; **172:** 947

new tools of the trade, Reamer LA, Radiology 1990; **174:** 923

new triple coaxial catheter system for carotid angioplasty with cerebral protection, Theron J; Courtheoux P; Alachkar F; et al, AJNR 1990; **11:** 869

new type of adjustable vascular introducer for balloon valvuloplasty: technical note, Medina A; Bethencourt A; Coello I; et al, Cardiovasc Intervent Radiol 1989; **12:** 169

nonselective and semiselective catheters for renal artery evaluation: experimental study, Yedlicka JW Jr; Carlson JE; Hedlund LJ; Urness M; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; **2:** 273

open-ended guidewire as superselective catheter for intraarterial chemotherapy: experience in 190 procedures, Bilbao JI; Aquerreta JD; Longo JM; et al, Cardiovasc Intervent Radiol 1990; **13:** 375

percutaneous deflation of a gastric balloon: technical note, Mirich DR; Gray RR; Haber GB, Cardiovasc Intervent Radiol 1989; **12:** 164

percutaneous enterostomy with the Cope suture anchor, Coleman CC; Coons HG; Cope C; Derauf BJ; Krenzel C; Epstein DH; Schlam BW; Castaneda F; Hough JP; Moradian GP, Radiology 1990; **174:** 889

percutaneous mechanical thrombolysis: a comparative study of various rotational catheter systems, Schmitz-Rode T; Günther RW, Invest Radiol 1991; **26:** 557

percutaneous placement of Hickman catheters: comparison of sonographically guided and blind techniques, Lameris JS; Post PJM; Zonderland HM; et al, AJR 1990; **155:** 1097

preoperative balloon-tipped catheter placement for proximal control in visceral artery aneurysm surgery, (ab), Rapp JH; Kerlan R; Ring EJ; et al, Radiology 1989; **170:** 902

progressive suppleness Pursil catheter: a new tool for superselective angiography and embolization, Dion JE; Duckwiler GR; Lylyk P; et al, AJNR 1989; **10:** 1068

pull-through approach to percutaneous angioplasty of totally occluded common iliac arteries, Ginsburg R; Thorpe P; Bowles CR; Wright AM; Wexler L, Radiology 1989; **172:** 111

radiographic markers in grafts, Galler L; Portner W, Radiology 1991; **180:** 586

radiologic placement of Hickman catheters, Robertson LJ; Mauro MA; Jaques PF, Radiology 1989; **170:** 1007

recanalization of total arterial occlusions with the Kensey dynamic angioplasty catheter, Wholey MH; Smith JAM; Godlewski P; Nagurka M, Radiology 1989; **172:** 95

retained anchoring suture after removal of a cope-loop drainage catheter: use of the retract-and-cut method, Zegel HG; Brisson LJ; Freiman DB; Weese J; Hartz W; Schilling JF, JVIR 1991; **2:** 281

retrograde left atrial catheterization, Repa I; Yedlicka JW; Hunter DW; Castaneda-Zuniga WR; Urness M; Amplatz K, Radiology 1989; **173:** 565

second opinion: transhepatic cannulation of the inferior vena cava, Lund GB, JVIR 1991; **2:** 334

selective catheterization of the inferior petrosal sinuses: new catheter design, Miller DL, Radiology 1991; **178:** 281

selective spinal panangiography: use of a 4-F braided catheter with a soft-tip configuration, Volle E, Radiology 1991; **180:** 874

self-contained, coaxial delivery system for intraarterial infusion of thrombolytic agents, Matsumoto AH; Barth KH; Teitelbaum GP; Kremers PW, Radiology 1990; **174:** 1056

simple technique for redirecting malpositioned central venous catheters, Recht MP; Burke DR; Meranze SG; et al, AJR 1990; **154:** 183

simple technique for shaping hydrophilically coated guide wires: usefulness in selective angiography, Stocker E, Radiology 1990; **177:** 881

slippery coaxial catheter system, Hosoki T; Hashimoto T; Masuike M; Marukawa T; Tokunaga K; Kuroda C; Kozuka T, Radiology 1989; **171:** 858

stepless needle-dilator for expedient percutaneous catheterization: technical note, Robinson JD; Eikens PH; Smith TP; et al, Cardiovasc Intervent Radiol 1990; **13:** 329

subselective embolization with gelatin sponge through an open-ended guide wire, Encarnacion CE; Kadir S; Malone RB Jr, Radiology 1990; **174:** 265

technique for US-guided fallopian tube catheterization, Breckenridge JW; Schinfeld JS, Radiology 1991; **180:** 569

thrombogenicity of hydrophilically coated guide wires and catheters, Leach KR; Kurisu Y; Carlson JE; Repa I; Epstein DH; Urness M; Sahatjian R; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **175:** 675

thrombogenicity of Teflon versus copolymer-coated guidewires: evaluation with scanning electron microscopy, Pinto RS; Robbins E; Seidenwurm D, AJNR 1989; **10:** 407

total occlusions of the femoropopliteal artery: high technical success rate of conventional balloon angioplasty, Morgenstern BR; Getrajdman GI; Laffey KJ; Bixon R; Martin EC, Radiology 1989; **172:** 937

transhepatic cannulation of the inferior vena cava, Kaufman JA; Greenfield AJ; Fitzpatrick GF, JVIR 1991; **2:** 331

translumbar inferior vena cava catheters for long-term venous access, Lund GB; Lieberman RP; Haire WD; Martin VA; Kessinger A; Armitage JO, Radiology 1990; **174:** 31

ultralong, reverse-curve angiographic catheter, Fellmeth BD; Bookstein JJ; Lurie AL, Radiology 1989; **172:** 872

ultrasonically guided subclavian vein catheterization, Nolsøe CP; Nielsen L; Karstrup S; et al, Acta Radiol 1989; **30:** 108

use of a modified angioplasty balloon catheter in the dilatation of tight biliary structures, (ab), Rao KJM; Blake H; Theodossi A, Radiology 1990; **177:** 595

use of angiographic needles with or without stylets: pathologic assessment of vessel walls after puncture, Frood LR; Smith DC; Pappas JM; Elvin PK; Westengard JC; Saukel GW, JVIR 1991; **2:** 269

use of a plastic pin vise to aid in torque control with a hydrophilic-polymer guide wire, Millward SF; Kisiel B, Radiology 1989; **173:** 580

use of the balloon on a guidewire as an adjunct to conventional angioplasty, Pollak JS; Cooper SG; Denny DF Jr, AJR 1990; **155:** 887

US-guided fallopian tube catheterization, Thurmond AS; Patton PE; Hector DM; Jones MK, Radiology 1991; **180:** 571

versatile, steerable, flow-guided catheter for delivery of detachable balloons, Nelson M, AJNR 1990; **11:** 657

wire-directed detachable balloon: work in progress, Makita K; Furui S; Machida T; Yamauchi T; Tuchiya K; Irie T; Takenaka E, Radiology 1991; **180:** 139

Cat-scratch fever

disseminated hepatic and splenic lesions in cat-scratch disease: imaging features, Rappaport DC; Cumming WA; Ros PR, AJR 1991; **156:** 1227

splenic abscesses in cat scratch disease: sonographic diagnosis and follow-up, Cox F; Perlman S; Sathyanarayana, JCU 1989; **17:** 511

visceral bacillary epithelioid angiomatosis: possible manifestations of disseminated cat scratch disease in the immunocompromised host: a report of two cases, (ab), Kemper CA; Lombard CM; Deresinski SC; et al, Radiology 1991; **178:** 900

Cauda equina

See Spinal cord

Cavernous sinus

case of the month: there's more to it than meets the eye, Evans S, Br J Radiol 1991; **64:** 279

cavernous sinus: correlation between anatomic and dynamic gadolinium-enhanced MR imaging findings, Korogi Y; Takahashi M; Sakamoto Y; Shinzato J, Radiology 1991; **180:** 235

transvenous embolization of dural fistulas involving the cavernous sinus, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 377

Cavernous sinus, CT

case report: septic thrombosis of the cavernous sinus: diagnosis with the aid of computed tomography, Ben-Uri R; Palma L; Kaveh Z, Clin Radiol 1989; **40:** 520

CT demonstration of cavernous sinus fat, Stricof DD; Gabrielsen TO; Latack JT; et al, AJNR 1989; **10:** 1199

functional brain imaging in cavernous hemangioma: demonstration of the anatomic lesion as the seizure focus, Timmons JH; Hartshorne MF; Brantley MJ, Clin Nucl Med 1990; **14:** 696

Cavernous sinus, MR

cavernous sinus: correlation between anatomic and dynamic gadolinium-enhanced MR imaging findings, Korogi Y; Takahashi M; Sakamoto Y; Shinzato J, Radiology 1991; **180:** 235

dilated intercavernous sinuses: an MR sign of carotid-cavernous and carotid-dural fistulas, Elster AD; Chen MYM; Richardson DN; et al, AJNR 1991; **12:** 641

magnetic resonance imaging of cavernous sinus cavernous hemangiomas, Katayama Y; Tsubokawa T; Miyazaki S; et al, Neuroradiol 1991; **33:** 118

MR imaging of dural AV fistulas at the cavernous sinus, Komiyama M; Fu Y; Yagura H; et al, JCAT 1990; **14:** 397

MR imaging of Tolosa-Hunt syndrome, Yousem DM; Atlas SW; Grossman RI; et al, AJNR 1989; **10:** 1181

MR imaging of Tolosa-Hunt syndrome, Yousem DM; Atlas SW; Grossman RI; et al, AJR 1990; **154:** 167

Cavernous sinus, thrombosis

case of the month: there's more to it than meets the eye, Evans S, Br J Radiol 1991; **64:** 279

case report: septic thrombosis of the cavernous sinus: diagnosis with the aid of computed tomography, Ben-Uri R; Palma L; Kaveh Z, Clin Radiol 1989; **40:** 520

spontaneous thrombosis of a direct carotid cavernous sinus fistula: confirmation by Gd-DTPA–enhanced MR, Castillo M; Silverstein M; Hoffman JC Jr; et al, AJNR 1989; **10:** S75

Celiac disease

adult celiac disease and its complications, Rubesin SE; Herlinger H; Saul SH; Grumbach K; Laufer I; Levine MS, Radiographics 1989; **9:** 1045

fundic gland polyposis occurring with adult celiac disease, Doris I; Qizilbash A; Meghji M, J Canad Assoc Radiol 1990; **41:** 149

malignancy in coeliac disease: effect of a gluten free diet, (ab), Holmes GKT; Prior P; Lane MR; et al, Radiology 1989; **172:** 882

primary sclerosing cholangitis and celiac disease: a novel association, (ab), Hay JE; Wiesner RH; Shorter RG; et al, Radiology 1989; **172:** 290

small bowel enema in non-responsive coeliac disease, (ab), Mike N; Udeshi U; Asquith P; et al, Radiology 1991; **178:** 586

Cellulitis

infected breast reconstruction associated with Poland's syndrome, Stewart CA; Hung G-L; Glaser AM; et al, Clin Nucl Med 1990; **15:** 43

Cephalocele

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Cerebellopontine angle

cerebellopontine angle, Hasso AN; Smith DS, Semin US CT MR 1989; **10:** 280

Cerebellopontine angle, MR

magnetic resonance imaging evaluation of cerebellopontine angle tumours, Loneragan R; Doust BD; Fagan P; et al, Australas Radiol 1989; **33:** 47

Cerebellopontine angle, neoplasms

apparently primary malignant melanoma of the cerebellopontine angle: one case, Vasdev A; David P; Villemot D; et al, J Neuroradiol 1990; **17:** 152

magnetic resonance imaging evaluation of cerebellopontine angle tumours, Loneragan R; Doust BD; Fagan P; et al, Australas Radiol 1989; **33:** 47

solitary prostatic metastasis to the cerebellopontine angle: MR and CT findings, Flickinger FW; Yuh WTC; Nichols RD II; et al, JCAT 1989; **13:** 1088

Cerebellum

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Cerebral angiography

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Anderson-Fabry disease: a case report with MR, CT, and cerebral angiography, Moumdjian R; Tampieri D; Melanson D; et al, AJNR 1989; **10:** S69

angiography in patients with occlusive cerebrovascular disease: views of a stroke neurologist and neuroradiologist, Caplan LR; Wolpert SM, AJNR 1991; **12:** 593

cerebral venography with MR, Mattle HP; Wentz KU; Edelman RR; Wallner B; Finn JP; Barnes P; Atkinson DJ; Kleefield J; Hoogewoud HM, Radiology 1991; **178:** 453

correlation of angiographic and sequential CT findings in patients with evolving cerebral infarction, Bozzao L; Bastianello S; Fantozzi LM; et al, AJNR 1989; **10:** 1215

CT and angiography in a patient with three intracranial giant aneurysms, Altinörs N; Kars Z; Çerezci A; et al, Acta Radiol 1991; **32:** 203

general case of the day, Ruscalleda J; Coscojuela P; Guardia E; De Juan M, Radiographics 1991; **11:** 929

heavy charged-particle stereotactic radiosurgery: cerebral angiography and CT in the treatment of intracranial vascular malformations, Phillips MH; Frankel KA; Lyman JT; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 419

internal carotid origin of double ophthalmic arteries, Ogawa T; Miyauchi T; Kato T; et al, Neuroradiol 1990; **32:** 508

intracranial aneurysms: interventional neurovascular treatment with detachable balloons—results in 215 cases, Higashida RT; Halbach VV; Dowd CF; Barnwell SL; Hieshima GB, Radiology 1991; **178:** 663

intracranial circulation: preliminary clinical results with three-dimensional (volume) MR angiography, Masaryk TJ; Modic MT; Ross JS; Ruggieri PM; Laub GA; Lenz GW; Haacke EM; Selman WR; Wiznitzer M; Harik SI, Radiology 1989; **171:** 793

intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Ruggieri PM; Laub GA; Masaryk TJ; Modic MT, Radiology 1989; **171:** 785

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

middle cerebral artery: determination of flow velocities with MR angiography, Mattle HP; Edelman RR; Wentz KU; Reis MA; Atkinson DJ; Ellert T, Radiology 1991; **181:** 527

neuroradiologist goes to the operating room, Eskridge JM, AJNR 1991; **12:** 133

selective cerebral intraarterial DSA: complication rate and control of risk factors, Grzyska U; Freitag H-J; Zeumer H, Neuroradiol 1990; **32:** 296

Sneddon syndrome: CT, arteriography, and MR imaging, Blom RJ, JCAT 1989; **13:** 119

spontaneous intracerebral hematomas from vascular causes: predictive value of CT compared with angiography, Laissy J-P; Normand G; Monroc M; et al, Neuroradiol 1991; **33:** 291

Cerebral angiography, contrast media

ECG changes during cerebral angiography; a comparison of low osmolality contrast media, Mitsumori M; Hayakawa K; Abe M, Eur J Radiol 1991; **13:** 55

effects of contrast media on renal graft function and survival after cerebral angiography of cadaveric donors, Hietala S-O; Segerstedt B; Wirell S; et al, Acta Radiol 1989; **30:** 317

reaction of cerebral arteries to non-ionic contrast media during cerebral angiography, Nakstad PH, Neuroradiol 1989; **31:** 247

role of red blood cell deformation in toxicity of contrast media in cerebral angiography, Miyazawa T; Nakagawa H; Oshino N, Invest Radiol 1989; **24:** 383

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Giang DW; Kido DK, Radiology 1989; **172:** 195

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Minuk J; Melançon D; Tampieri D; Ethier R, Radiology 1990; **174:** 285

Cerebral angiography, radionuclide

intravenous ^{99m}Tc HM-PAO radionuclide angiography as an adjunct to SPECT assessment of cerebral disease, Bartolini A; Gasparetto B; Ruffinengo U; et al, Comput Med Imag Graph 1990; **14:** 91

Cerebral angiography, technology

irrigation device for neuroangiographic procedures, Choi IS; Berenstein A; Kagetsu NJ, Radiology 1990; **177:** 580

selective transfemoral cerebral angiography of the rabbit: technique and applications, Klimek E; Fournier D; Montanera W; et al, J Neuroradiol 1990; **17:** 20

Cerebral blood vessels

color Doppler US imaging during pediatric neurosurgical and neuroradiologic procedures, Barr LL; Babcock DS; Crone KR; Berger TS; Ball WS; Prenger EC, Radiology 1991; **181:** 567

controversy of the periventricular white matter circulation: a review of the anatomic literature, Mayer PL; Kier EL, AJNR 1991; **12:** 223

pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage, (ab), Dion JE; Duckwiler GR; Viñuela F; et al, JVIR 1991; **2:** 301

pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383

search of human telencephalic ventriculofugal arteries, Nelson MD Jr; Gonzalez-Gomez I; Gilles FH, AJNR 1991; **12:** 215

Cerebral blood vessels, abnormalities

abnormal origin of the ophthalmic artery from the anterior cerebral artery: neuroradiological and intraoperative findings, Hassler W; Zentner J; Voigt K, Neuroradiol 1989; **31:** 85

accessory middle cerebral artery: is it a variant form of the recurrent artery of Heubner?, Takahashi S; Hoshino F; Uemura K; et al, AJNR 1989; **10:** 563

calcified superficial temporal artery to posterior cerebral artery bypass mimicking occlusion, Mamourian AC; Zimmerman RS, AJNR 1991; **12:** 507

cerebral venous malformations, Jackson G; Champness P; Sacharias N, Australas Radiol 1989; **33:** 132

intracranial vascular abnormalities: value of MR phase imaging to distinguish thrombus from flowing blood, Nadel L; Braun IF; Kraft KA; et al, AJR 1991; **156:** 373

occult cerebrovascular malformations: follow-up with MR imaging, Sigal R; Krief O; Houtteville JP; Halimi P; Doyon D; Pariente D, Radiology 1990; **176:** 815

pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383

Cerebral blood vessels, anatomy

intracranial circulation: preliminary clinical results with three-dimensional (volume) MR angiography, Masaryk TJ; Modic MT; Ross JS; Ruggieri PM; Laub GA; Lenz GW; Haacke EM; Selman WR; Wiznitzer M; Harik SI, Radiology 1989; **171:** 793

intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Ruggieri PM; Laub GA; Masaryk TJ; Modic MT, Radiology 1989; **171:** 785

normal venous anatomy of the brain: demonstration with gadopentetate dimeglumine in enhanced 3-D MR angiography, Chakeres DW; Schmalbrock P; Brogan M; et al, AJR 1991; **156:** 161

sex and side differences of cerebral arterial caliber, Müller HR; Brunhölzl C; Radü EW; et al, Neuroradiol 1991; **33:** 212

trigeminal neuralgia: MR imaging features, Tash RR; Sze G; Leslie DR, Radiology 1989; **172:** 767

Cerebral blood vessels, angiography

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Cerebral blood vessels, CT

analysis of cerebral blood flow in acute closed-head injury using technetium-99m-HMPAO SPECT and computed tomography, Roper SN; Mena I; King WA; et al, J Nucl Med 1991; **32:** 1684

cerebral blood flow mapping using stable xenon-enhanced CT in sickle cell cerebrovascular disease, Numaguchi Y; Haller JS; Humbert JR; et al, Neuroradiol 1990; **32:** 289

correlation of angiographic and sequential CT findings in patients with evolving cerebral infarction, Bozzao L; Bastianello S; Fantozzi LM; et al, AJNR 1989; **10:** 1215

CT appearance of bilateral, acute thrombosis of the main cerebral arteries, Sąsiadek M; Wasik A; Marciniak R, Comput Med Imag Graph 1990; **14:** 89

"dense artery sign"—major cerebral artery thromboembolism demonstrated by computed tomography, Schuknecht B; Ratzka M; Hofmann E, Neuroradiol 1990; **32:** 98

hyperdense middle cerebral artery CT sign: comparison with angiography in the acute phase of ischemic supratentorial infarction, Bastianello S; Pierallini A; Colonnese C; et al, Neuroradiol 1991; **33:** 207

hyperdense middle cerebral artery: incidence and quantitative significance, Tomsick TA; Brott TG; Olinger CP; et al, Neuroradiol 1989; **31:** 312

hyperdense middle cerebral artery sign on CT: efficacy in detecting middle cerebral artery thrombosis, Tomsick TA; Brott TG; Chambers AA; et al, AJNR 1990; **11:** 473

measurement of cerebral blood flow by the stable xenon computerized tomography method, Bidabé AM; Gense de Beaufort D; Gin AM; et al, J Neuroradiol 1990; **17:** 103

method of analysis of SPECT blood flow image data for comparison with computed tomography, Mountz JM, Clin Nucl Med 1989; **14:** 192

stable xenon CT cerebral blood flow imaging: rationale for and role in clinical decision making, Johnson DW; Stringer WA; Marks MP; et al, AJNR 1991; **12:** 201

xenon-CT cerebral blood flow evaluation of cerebral ischemia in children and young adults, Stringer WA; Hasso AN; Thompson JR; et al, JCAT 1989; **13:** 386

Cerebral blood vessels, diseases

general case of the day, Ruscalleda J; Coscojuela P; Guardia E; De Juan M, Radiographics 1991; **11:** 929

Cerebral blood vessels, flow dynamics

absolute intracranial blood-flow velocities evaluated by duplex Doppler sonography in asymptomatic preterm and term neonates, Horgan JG; Rumack CM; Hay T; et al, AJR 1989; **152:** 1059

acceleration time in cerebral arteries of preterm and term infants, van de Bor M; Walther FJ; Sims ME, JCU 1990; **18:** 167

accuracy of xenon CT measurement of cerebral blood flow, Stringer WA, AJNR 1991; **12:** 86

acetazolamide challenge: imaging techniques designed to evaluate cerebral blood flow reserve, Rogg J; Rutigliano M; Yonas H; et al, AJNR 1989; **10:** 803

Alzheimer's disease: age at onset and single-photon emission computed tomographic patterns of regional cerebral blood flow, (ab), Jagust WJ; Reed BR; Seab JP; et al, Radiology 1991; **178:** 900

analysis of cerebral blood flow in acute closed-head injury using technetium-99m-HMPAO SPECT and computed tomography, Roper SN; Mena I; King WA; et al, J Nucl Med 1991; **32:** 1684

brain death in infants: evaluation with Doppler US, Glasier CM; Seibert JJ; Chadduck WM; Williamson SL; Leithiser RE Jr, Radiology 1989; **172:** 377

cardiac determinants of cerebral blood flow during extracorporeal membrane oxygenation, Taylor GA; Martin GR; Short BL, Invest Radiol 1989; **24:** 511

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral blood flow in newborn infants with and without mechanical ventilation, Vergesslich KA; Weninger M; Ponhold W; et al, Pediatr Radiol 1989; **19:** 509

cerebral blood flow mapping using stable xenon-enhanced CT in sickle cell cerebrovascular disease, Numaguchi Y; Haller JS; Humbert JR; et al, Neuroradiol 1990; **32:** 289

cerebral blood flow velocity changes in preterm infants after a single dose of indomethacin: duration of its effect, (ab), Van Bel F; van de Bor M; Stijnen T; et al, Radiology 1990; **175:** 887

circle of Willis in newborns: color Doppler imaging of 53 healthy full-term infants, Mitchell DG; Merton DA; Mirsky PJ; Needleman L, Radiology 1989; **172:** 201

colour flow imaging of the great intracranial arteries in infants, Deeg KH, Neuroradiol 1989; **31:** 40

comparative study of regional cerebral blood flow images by SPECT using xenon-133, iodine-123 IMP, and technetium-99m HM-PAO, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; **30:** 157

contrast agents and cerebral hemodynamics, Rosen BR; Belliveau JW; Buchbinder BR; et al, Magn Res Med 1991; **19:** 285

contribution of color Doppler flow imaging to the evaluation of the effect of indomethacin on neonatal cerebral hemodynamics, Van Bel F; Van Zwieten PHT; Den Ouden LL, J Ultrasound Med 1990; **9:** 107

critical cerebral blood flow thresholds studied by SPECT using xenon-133 and iodine-123 iodoamphetamine, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; **30:** 337

disturbances in the cerebral perfusion of human immune deficiency virus-1 seropositive asymptomatic subjects: a quantitative tomography study of 18 cases, Dinh YRT; Mamo H; Cervoni J; et al, J Nucl Med 1990; **31:** 1601

echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407

effect of acetazolamide on regional cerebral blood flow in patients with Alzheimer's disease or stroke as measured by single-photon emission computed tomography, Bonte FJ; Devous MD Sr; Reisch JS; et al, Invest Radiol 1989; **24:** 99

effect of EC-IC bypass surgery on resting cerebral blood flow and cerebrovascular reserve capacity studied with stable Xe-CT and acetazolamide test, Yamashita T; Kashiwagi S; Nakano S; et al, Neuroradiol 1991; **33:** 217

effects of inhaled stable xenon on cerebral blood flow velocity, Giller CA; Purdy P; Lindstrom WW, AJNR 1990; **11:** 177

features of the cerebral vascular pattern that predict vulnerability to perfusion or oxygenation deficiency: an anatomic study, Moody DM; Bell MA; Challa VR, AJNR 1990; **11:** 431

fetal heart rate influence on the pulsatility index in the middle cerebral artery, Mari G; Moise KJ Jr; Deter RL; et al, JCU 1991; **19:** 149

^{19}F NMR imaging of cerebral blood flow, Branch CA; Helpern JA; Ewing JR; et al, Magn Res Med 1991; **20:** 151

I-123 hydroxyiodobenzyl propanediamine (HIPDM) cerebral blood flow imaging demonstrating transtentorial diaschisis, Shih W-J; Dekosky ST; Coupal JJ; et al, Clin Nucl Med 1990; **15:** 623

imaging cerebral blood flow in interventional neuroradiology: choice of technique and indications, Purdy PD, AJNR 1991; **12:** 424

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

imaging of the basal cerebral arteries and measurement of blood velocity in adults by using transcranial real-time color flow Doppler sonography, Tsuchiya T; Yasaka M; Yamaguchi T; et al, AJR 1991; **157:** 397

increased brain retention of Tc-99m HMPAO following acetazolamide administration, Burt RW; Witt RM; Cikrit D; et al, Clin Nucl Med 1991; **16:** 568

interventions and functional brain imaging, Yudd AP; Van Heertum RL; Masdeu JC, Semin Nucl Med 1991; **21:** 153

intracranial blood flow: quantification with duplex Doppler and color Doppler flow US, Taylor GA; Short BL; Walker LK; Traystman RJ, Radiology 1990; **176:** 231

intracranial vascular abnormalities: value of MR phase imaging to distinguish thrombus from flowing blood, Nadel L; Braun IF; Kraft KA; et al, AJR 1991; **156:** 373

measurement of cerebral blood flow by the stable xenon computerized tomography method, Bidabé AM; Gense de Beaufort D; Gin AM; et al, J Neuroradiol 1990; **17:** 103

measurement of cerebral blood flow by volume-selective ^{19}F NMR spectroscopy, van Zijl PCM; Ligeti L; Sinnwell T; et al, Magn Res Med 1990; **16:** 489

measurement of cerebral blood flow in rat brain by ^{19}F-NMR detection of trifluoromethane washout, Detre JA; Eskey CJ; Koretsky AP, Magn Res Med 1990; **15:** 45

measurement of time-averaged flow in the middle cerebral artery by magnetic resonance imaging, Tarnawski M; Padayachee S; Graves MJ; et al, Br J Radiol 1991; **64:** 178

neonatal cerebral venous flow velocity measurement using a color flow Doppler system, Fenton AC; Papathoma E; Evans DH; et al, JCU 1991; **19:** 69

neutral lipophilic technetium-99m complex for regional cerebral blood flow imaging, Narra RK; Nunn AD; Kuczynski BL; et al, J Nucl Med 1990; **31:** 1370

overview of the contribution of regional cerebral blood flow studies in cerebrovascular disease: is there a role for single photon emission computed tomography?, Hellman RS; Tikofsky RS, Semin Nucl Med 1990; **20:** 303

persistent nidus blood flow in cerebral arteriovenous malformation after stereotactic radiosurgery: MR imaging assessment, Quisling RG; Peters KR; Friedman WA; Tart RP, Radiology 1991; **180:** 785

radiologic manifestations of focal cerebral hyperemia in acute stroke, Olsen TS; Skriver EB; Herning M, Acta Radiol 1991; **32:** 100

regional cerebral blood flow imaging: a quantitative comparison of technetium-99m-HMPAO SPECT with $C^{15}O_2$ PET, Gemmell HG; Evans NTS; Besson JAO; et al, J Nucl Med 1990; **31:** 1595

regional cerebral blood flow study with ^{123}I-IMP in patients with degenerative dementia, Ohnishi T; Hoshi H; Nagamachi S; et al, AJNR 1991; **12:** 513

regional dynamics of N-isopropyl-(^{123}I)*p*-iodoamphetamine in human brain, Nishizawa S; Tanada S; Yonekura Y; et al, J Nucl Med 1989; **30:** 150

relationship between time averaged intensity weighted mean velocity, and time averaged maximum velocity in neonatal cerebral arteries, Evans DH; Schlindwein FS; Levene MI, Ultrasound Med Biol 1989; **15:** 429

relationship of cerebral blood flow regulation to acute mountain sickness, Otis SM; Rossman ME; Schneider PA; et al, J Ultrasound Med 1989; **8:** 143

right carotid artery ligation in neonates: classification of collateral flow with color Doppler imaging, Mitchell DG; Merton DA; Graziani LJ; Desai HJ; Desai SA; Wolfson PJ; Gross GW, Radiology 1990; **175:** 117

right common carotid artery ligation for extracorporeal membrane oxygenation: cerebral blood flow velocity measurement with Doppler duplex US, Matsumoto JS; Babcock DS; Brody AS; Weiss RG; Ryckman FG; Hiyama D, Radiology 1990; **175:** 757

role of xenon CT measurements of cerebral blood flow in the clinical determination of brain death, Pistoia F; Johnson DW; Darby JM; et al, AJNR 1991; **12:** 97

side-to-side differences and day-to-day variations of transcranial Doppler parameters in normal subjects, Sorteberg W; Langmoen IA; Lindegaard K-F; et al, J Ultrasound Med 1990; **9:** 403

solution that simulates whole blood in a model of the cerebral circulation, Jungreis CA; Kerber CW, AJNR 1991; **12:** 329

stable xenon CT cerebral blood flow imaging: rationale for and role in clinical decision making, Johnson DW; Stringer WA; Marks MP; et al, AJNR 1991; **12:** 201

study of the cerebral blood flow in partial epilepsy of childhood using the SPECT method, Chiron C; Raynaud C; Dulac O; et al, J Neuroradiol 1989; **16:** 317

Tc-99m HMPAO/SPECT determination of regional cerebral blood flow changes in schizophrenics, Erbaş B; Kumbasar H; Erbengi G; et al, Clin Nucl Med 1990; **15:** 904

transcranial pulsed Doppler measurements of blood flow velocity in the middle cerebral artery: reference values at rest and during hyperventilation in healthy children and adolescents in relation to age and sex, Brouwers PJAM; Vriens EM; Musbach M; et al, Ultrasound Med Biol 1990; **16:** 1

transcranial pulsed Doppler measurements of blood velocity in the middle cerebral artery: reference values at rest and during hyperventilation in healthy volunteers in relation to age and sex, Vriens EM; Kraaier V; Musbach M; et al, Ultrasound Med Biol 1989; **15:** 1

use of acetazolamide-challenge xenon CT in the assessment of cerebral blood flow dynamics in patients with arteriovenous malformations, Tarr RW; Johnson DW; Rutigliano M; et al, AJNR 1990; **11:** 441

utility of cerebral blood flow imaging in patients with the unique syndrome of progressive dementia with motor neuron disease, Ohnishi T; Hoshi H; Jinnouchi S; et al, J Nucl Med 1990; **31:** 688

validation studies of iodine-123-iodoamphetamine as a cerebral blood flow tracer using emission tomography, Greenberg JH; Kushner M; Rango M; et al, J Nucl Med 1990; **31:** 1364

validation study on the reproducibility of transcranial Doppler velocimetry, Maeda H; Etani H; Handa N; et al, Ultrasound Med Biol 1990; **16:** 9

xenon-CT cerebral blood flow evaluation of cerebral ischemia in children and young adults, Stringer WA; Hasso AN; Thompson JR; et al, JCAT 1989; **13:** 386

xenon-enhanced CT of the brain: effect of flow activation on derived cerebral blood flow measurements, Good WF; Gur D, AJNR 1991; **12:** 83

Cerebral blood vessels, inflammation

See Vasculitis

Cerebral blood vessels, MR

application of a connected-voxel algorithm to MR angiographic data, Saloner D; Hanson WA; Tsuruda JS; van Tyen R; Anderson CM; Lee RE, JMRI 1991; **1:** 423

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral blood volume in a rat model of ischemia by MR imaging at 4.7 T, Kent TA; Quast MJ; Kaplan BJ; et al, AJNR 1989; **10:** 335

cerebral MR angiography with multiple overlapping thin slab acquisition: part I. quantitative analysis of vessel visibility, Blatter DD; Parker DL; Robison RO, Radiology 1991; **179:** 805

cerebral venography with MR, Mattle HP; Wentz KU; Edelman RR; Wallner B; Finn JP; Barnes P; Atkinson DJ; Kleefield J; Hoogewoud HM, Radiology 1991; **178:** 453

contrast agents and cerebral hemodynamics, Rosen BR; Belliveau JW; Buchbinder BR; et al, Magn Res Med 1991; **19:** 285

diagnosis of cerebrovascular disease in sickle cell anemia by magnetic resonance angiography, (ab), Wiznitzer M; Ruggieri PM; Masaryk TJ; et al, Radiology 1991; **180:** 592

diffusion/microcirculation MRI in the rat brain, MacFall JR; Maki JH; Johnson GA; et al, Magn Res Med 1991; **19:** 305

echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407

experimental cerebral ischemia studied using nuclear magnetic resonance imaging and spectroscopy, Sutherland G; Peeling J; Lesiuk H; et al, J Canad Assoc Radiol 1990; **41:** 24

findings of magnetic resonance imaging in cerebral venous occlusion: difference from hemorrhagic infarction, Kurokawa Y; Sohma T; Tsuchita H; et al, Comput Med Imag Graph 1990; **14:** 425

^{19}F NMR imaging of cerebral blood flow, Branch CA; Helpern JA; Ewing JR; et al, Magn Res Med 1991; **20:** 151

functional variations in parenchymal microvascular systems within the brain, Fenstermacher MJ; Nakata H; Tajima A; et al, Magn Res Med 1991; **19:** 217

gadolinium-enhanced MR angiography, Creasy JL; Price RR; Presbrey T; Goins D; Partain CL; Kessler RM, Radiology 1990; **175:** 280

high resolution magnetic resonance imaging of vascular lesions at the skull base: a review, Kucharczyk W, J Canad Assoc Radiol 1990; **41:** 14

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

intracranial aneurysms and vascular malformations: comparison of time-of-flight and phase-contrast MR angiography, Huston J III; Rufenacht DA; Ehman RL; Wiebers DO, Radiology 1991; **181:** 721

intracranial circulation: preliminary clinical results with three-dimensional (volume) MR angiography, Masaryk TJ; Modic MT; Ross JS; Ruggieri PM; Laub GA; Lenz GW; Haacke EM; Selman WR; Wiznitzer M; Harik SI, Radiology 1989; **171:** 793

intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Ruggieri PM; Laub GA; Masaryk TJ; Modic MT, Radiology 1989; **171:** 785

intracranial vascular abnormalities: value of MR phase imaging to distinguish thrombus from flowing blood, Nadel L; Braun IF; Kraft KA; et al, AJNR 1990; **11:** 1133

intracranial vascular abnormalities: value of MR phase imaging to distinguish thrombus from flowing blood, Nadel L; Braun IF; Kraft KA; et al, AJR 1991; **156:** 373

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327

magnetic resonance imaging of cerebral venous thrombosis secondary to "low-dose" birth control pills, Granato DB; Archer CR; Awwad EE, Clin Imag 1989; **13:** 220

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

measurement of cerebral blood flow by volume-selective ^{19}F NMR spectroscopy, van Zijl PCM; Ligeti L; Sinnwell T; et al, Magn Res Med 1990; **16:** 489

measurement of cerebral blood flow in rat brain by ^{19}F-NMR detection of trifluoromethane washout, Detre JA; Eskey CJ; Koretsky AP, Magn Res Med 1990; **15:** 45

measurement of regional cerebral blood flow in cat brain using intracarotid ^2H_2O and ^2H NMR imaging, Detre JA; Subramanian VH; Mitchell MD; et al, Magn Res Med 1990; **14:** 389

measurement of time-averaged flow in the middle cerebral artery by magnetic resonance imaging, Tarnawski M; Padayachee S; Graves MJ; et al, Br J Radiol 1991; **64:** 178

middle cerebral artery: determination of flow velocities with MR angiography, Mattle HP; Edelman RR; Wentz KU; Reis MA; Atkinson DJ; Ellert T, Radiology 1991; **181:** 527

MR imaging of intracerebral blood: diversity in the temporal patten at 0.5 and 1.0 T, Zyed A; Hayman LA; Bryan RN, AJR 1991; **157:** 133

neuroradiology: RSNA '89 meeting notes, Segall HD; Byrd SE; Enzmann DR; Fox AJ; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Naidich TP; Quencer RM; Sze GK; Tenner MS; Wolpert SM; Zimmerman RD, Radiology 1990; **174:** 910

neuroradiology: RSNA '90 meeting notes, Segall HD; Daniels DL; Fitz CR; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Maravilla KR; Quencer RM; Rosenbaum AE; Russell EJ; Sze GK; Tenner MS; Yuh WTC; Zimmerman RD, Radiology 1991; **178:** 902

neurovascular lesions and endovascular therapy: the role of MR, Jabour BA; Dion JE; Lufkin R; et al, Neuroradiol 1989; **31:** 341

normal venous anatomy of the brain: demonstration with gadopentetate dimeglumine in enhanced 3-D MR angiography, Chakeres DW; Schmalbrock P; Brogan M; et al, AJNR 1990; **11:** 1107

occult cerebrovascular malformations: follow-up with MR imaging, Sigal R; Krief O; Houtteville JP; Halimi P; Doyon D; Pariente D, Radiology 1990; **176:** 815

PET and MR studies of experimental focal stroke, Brownell A-L; Kano M; McKinstry RC; et al, JCAT 1991; **15:** 376

pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383

restricted and anisotropic displacement of water in healthy cat brain and in stroke studied by NMR diffusion imaging, Moonen CTW; Pekar J; de Vleeschouwer MHM; et al, Magn Res Med 1991; **19:** 327

three-dimensional phase-contrast MR angiography in the head and neck: preliminary report, Pernicone JR; Siebert JE; Potchen EJ; et al, AJNR 1990; **11:** 457

unilateral moya-moya disease: MRI findings, Wilms G; Marchal G; Van Fraeyenhoven L; et al, Neuroradiol 1989; **31:** 442

volume MR angiography: methods to achieve very short echo times, Schmalbrock P; Yuan C; Chakeres DW; Kohli J; Pelc NJ, Radiology 1990; **175:** 861

Cerebral blood vessels, occlusion

See Cerebral blood vessels, stenosis or obstruction

Cerebral blood vessels, radionuclide studies

analysis of cerebral blood flow in acute closed-head injury using technetium-99m-HMPAO SPECT and computed tomography, Roper SN; Mena I; King WA; et al, J Nucl Med 1991; **32:** 1684

brief inhalation method to measure cerebral oxygen extraction fraction with PET: accuracy determination under pathologic conditions, Altman DI; Lich LL; Powers WJ, J Nucl Med 1991; **32:** 1738

cortical and subcortical hyperperfusion during migraine and cluster headache measured by Xe CT-CBF, Kobari M; Meyer JS; Ichijo M; et al, Neuroradiol 1990; **32:** 4

critical cerebral blood flow thresholds studied by SPECT using xenon-133 and iodine-123 iodoamphetamine, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; **30:** 337

evaluation of cerebral perfusion reserve using 5% CO_2 and SPECT neuroperfusion imaging, Bushnell DL; Gupta S; Barnes WE; et al, Clin Nucl Med 1991; **16:** 263

I-123 hydroxyiodobenzyl propanediamine (HIPDM) cerebral blood flow imaging demonstrating transtentorial diaschisis, Shih W-J; Dekosky ST; Coupal JJ; et al, Clin Nucl Med 1990; **15:** 623

increased brain retention of Tc-99m HMPAO following acetazolamide administration, Burt RW; Witt RM; Cikrit D; et al, Clin Nucl Med 1991; **16:** 568

interventions and functional brain imaging, Yudd AP; Van Heertum RL; Masdeu JC, Semin Nucl Med 1991; **21:** 153

localization of technetium-99m-glucarate in zones of acute cerebral injury, Yaoita H; Uehara T; Brownell AL; et al, J Nucl Med 1991; **32:** 272

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Friedman D, Radiology 1991; **181:** 605

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Monsein LH, Radiology 1991; **181:** 605

mapping the distribution of amobarbital sodium in the intracarotid Wada test by use of Tc-99m HMPAO with SPECT, Jeffery PJ; Monsein LH; Szabo Z; Hart J; Fisher RS; Lesser RP; Debrun GM; Gordon B; Wagner HN Jr; Camargo EE, Radiology 1991; **178:** 847

method of analysis of SPECT blood flow image data for comparison with computed tomography, Mountz JM, Clin Nucl Med 1989; **14:** 192

overview of the contribution of regional cerebral blood flow studies in cerebrovascular disease: is there a role for single photon emission computed tomography?, Hellman RS; Tikofsky RS, Semin Nucl Med 1990; **20:** 303

prognostication of recovery following stroke using the comparison of CT and technetium-99m HM-PAO SPECT, Mountz JM; Modell JG; Foster NL; et al, J Nucl Med 1990; **31:** 61

regional cerebral blood flow imaging: a quantitative comparison of technetium-99m-HMPAO SPECT with $C^{15}O_2$ PET, Gemmell HG; Evans NTS; Besson JAO; et al, J Nucl Med 1990; **31:** 1595

Tc-99m HMPAO/SPECT determination of regional cerebral blood flow changes in schizophrenics, Erbaş B; Kumbasar H; Erbengi G; et al, Clin Nucl Med 1990; **15:** 904

technetium-99m-MRP20, a potential brain perfusion agent: in vivo biodistribution and SPECT studies in normal male volunteers, Bossuyt A; Morgan GF; Deblaton M; et al, J Nucl Med 1991; **32:** 399

use of technetium-HMPAO to demonstrate changes in cerebral blood flow reserve following carotid endarterectomy, Ramsay SC; Yeates MG; Lord RS; et al, J Nucl Med 1991; **32:** 1382

validation studies of iodine-123-iodoamphetamine as a cerebral blood flow tracer using emission tomography, Greenberg JH; Kushner M; Rango M; et al, J Nucl Med 1990; **31:** 1364

visual stimulation increases technetium-99m-HMPAO distribution in human visual cortex, Woods SW; Hegeman IM; Zubal IG; et al, J Nucl Med 1991; **32:** 210

Cerebral blood vessels, stenosis or obstruction

angiography in patients with occlusive cerebrovascular disease: views of a stroke neurologist and neuroradiologist, Caplan LR; Wolpert SM, AJNR 1991; **12:** 593

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral ischemia: evaluation with contrast-enhanced MR imaging, Crain MR; Yuh WTC; Greene GM; et al, AJNR 1991; **12:** 631

cerebrovascular accident after Greenfield filter placement for paradoxical embolism, (ab), Dalman R; Kohler TR, Radiology 1989; **173:** 292

cocaine- and methamphetamine-induced acute cerebral vasospasm: an angiographic study in rabbits, Wang A-M; Suojanen JN; Colucci VM; et al, AJNR 1990; **11:** 1141

evaluation of vasospasm secondary to subarachnoid hemorrhage with technetium-99m-hexamethyl-propyleneamine oxime (HM-PAO) tomoscintigraphy, Soucy JP; McNamara D; Mohr G; et al, J Nucl Med 1990; **31:** 972

findings of magnetic resonance imaging in cerebral venous occlusion: difference from hemorrhagic infarction, Kurokawa Y; Sohma T; Tsuchita H; et al, Comput Med Imag Graph 1990; **14:** 425

hyperglycemia augments ischemic brain injury: in vivo MR imaging/spectroscopic study with nicardipine in cats with occluded middle cerebral arteries, Chew W; Kucharczyk J; Moseley M; et al, AJNR 1991; **12:** 603

intracerebral stenosing arteriopathies: contribution of three radiological techniques to the diagnosis, Pierot L; Chiras J; Debussche-Depriester C; et al, J Neuroradiol 1991; **18:** 32

intracranial circulation: preliminary clinical results with three-dimensional (volume) MR angiography, Masaryk TJ; Modic MT; Ross JS; Ruggieri PM; Laub GA; Lenz GW; Haacke EM; Selman WR; Wiznitzer M; Harik SI, Radiology 1989; **171:** 793

localization of technetium-99m-glucarate in zones of acute cerebral injury, Yaoita H; Uehara T; Brownell AL; et al, J Nucl Med 1991; **32:** 272

loss of the insular ribbon: another early CT sign of acute middle cerebral artery infarction, Truwit CL; Barkovich AJ; Gean-Marton A; Hibri N; Norman D, Radiology 1990; **176:** 801

MR imaging of cerebral ischemia: findings in the first 24 hours, Yuh WTC; Crain MR; Loes DJ; et al, AJNR 1991; **12:** 621

PET and MR studies of experimental focal stroke, Brownell A-L; Kano M; McKinstry RC; et al, JCAT 1991; **15:** 376

prognostication of recovery following stroke using the comparison of CT and technetium-99m HM-PAO SPECT, Mountz JM; Modell JG; Foster NL; et al, J Nucl Med 1990; **31:** 61

putaminal haemorrhage after recanalization of an embolic MCA occlusion treated with tissue plasminogen activator, Brückmann H; Ferbert A, Neuroradiol 1989; **31:** 95

relationship between pulsatility indices of Doppler flow signals and CO_2-reactivity within the middle cerebral artery in extracranial occlusive disease, Ley-Pozo J; Willmes K; Ringelstein EB, Ultrasound Med Biol 1990; **16:** 763

relative safety of intravenous digital subtraction angiography over other methods of carotid angiography and impact on clinical management of cerebrovascular disease, Stevens JM; Barter S; Kerslake R; et al, Br J Radiol 1989; **62:** 813

sonographic characteristics of small cerebral blood vessels: an in vivo and postmortem study, Hertzberg BS; Burger PC; Bowie JD; et al, J Ultrasound Med 1990; **9:** 697

thrombolysis for superior sagittal sinus thrombosis, Eskridge JM; Wessbecher FW, JVIR 1991; **2:** 89

thrombosis for superior sagittal sinus thrombosis: commentary, Heros RC, JVIR 1991; **2:** 93

unilateral moya-moya disease: MRI findings, Wilms G; Marchal G; Van Fraeyenhoven L; et al, Neuroradiol 1989; **31:** 442

Cerebral blood vessels, therapeutic blockade

4-F coaxial catheter system for pediatric vascular occlusion with detachable balloons, Burrows PE; Lasjaunias P; TerBrugge KG, Radiology 1989; **170:** 1091

comments on interventional neuroradiology, Chase NE, Radiology 1991; **178:** 624

embolization of cerebral arteriovenous malformations with bucrylate: experience in a first series of 29 patients, Berthelsen B; Löfgren J; Svendsen P, Acta Radiol 1990; **31:** 13

endovascular treatment of intracranial aneurysms with a new silicone microballoon device: technical considerations and indications for therapy, Higashida RT; Halbach VV; Dormandy B; Bell JD; Hieshima GB, Radiology 1990; **174:** 687

imaging cerebral blood flow in interventional neuroradiology: choice of technique and indications, Purdy PD, AJNR 1991; **12:** 424

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intravascular technique to occlude the middle cerebral artery in baboons, Brassel F; Dettmers C; Nierhaus A; et al, Neuroradiol 1989; **31:** 418

pre-operative micro-angioplasty of refractory vasospasm secondary to subarachnoid hemorrhage, Dion JE; Duckwiler GR; Viñuela F; et al, Neuroradiol 1990; **32:** 232

pressure changes in the arterial feeder to a cerebral AVM as a guide to monitoring therapeutic embolization, Jungreis CA; Horton JA, AJNR 1989; **10:** 1057

treatment of cerebral arteriovenous malformations with PVA: results and analysis of complications, (ab), Schumacher M; Horton JA, JVIR 1991; **2:** 422

Cerebral blood vessels, thrombosis

case report: cerebral venous thrombosis in association with hormonal supplement therapy, Knox AM; Brophy BP; Sage MR, Clin Radiol 1990; **41:** 355

cerebral venography with MR, Mattle HP; Wentz KU; Edelman RR; Wallner B; Finn JP; Barnes P; Atkinson DJ; Kleefield J; Hoogewoud HM, Radiology 1991; **178:** 453

CT appearance of bilateral, acute thrombosis of the main cerebral arteries, Sasiadek M; Wasik A; Marciniak R, Comput Med Imag Graph 1990; **14:** 89

"dense artery sign"—major cerebral artery thromboembolism demonstrated by computed tomography, Schuknecht B; Ratzka M; Hofmann E, Neuroradiol 1990; **32:** 98

differentiation between cerebral embolism and thrombosis on sequential CT scans, Tomura N; Inugami A; Kanno I; et al, JCAT 1990; **14:** 26

hyperdense middle cerebral artery sign on CT: efficacy in detecting middle cerebral artery thrombosis, Tomsick TA; Brott TG; Chambers AA; et al, AJNR 1990; **11:** 473

magnetic resonance imaging of cerebral venous thrombosis secondary to "low-dose" birth control pills, Granato DB; Archer CR; Awwad EE, Clin Imag 1989; **13:** 220

thrombolysis for superior sagittal sinus thrombosis, Eskridge JM; Wessbecher FW, JVIR 1991; **2:** 89

thrombosis for superior sagittal sinus thrombosis: commentary, Heros RC, JVIR 1991; **2:** 93

Cerebral blood vessels, transluminal angioplasty

angioplasty of an atherosclerotic middle cerebral artery associated with improvement in regional cerebral blood flow, Purdy PD; Devous MD Sr; Unwin DH; et al, AJNR 1990; **11:** 878

Cerebral blood vessels, US

brain death in infants: evaluation with Doppler US, Glasier CM; Seibert JJ; Chadduck WM; Williamson SL; Leithiser RE Jr, Radiology 1989; **172:** 377

circle of Willis in newborns: color Doppler imaging of 53 healthy full-term infants, Mitchell DG; Merton DA; Mirsky PJ; Needleman L, Radiology 1989; **172:** 201

colour flow imaging of the great intracranial arteries in infants, Deeg KH, Neuroradiol 1989; **31:** 40

contribution of color Doppler flow imaging to the evaluation of the effect of indomethacin on neonatal cerebral hemodynamics, Van Bel F; Van Zwieten PHT; Den Ouden LL, J Ultrasound Med 1990; **9:** 107

duplex-scanning of the deep venous drainage in the evaluation of blood flow velocity of the cerebral vascular system in infants, Winkler P; Helmke K, Pediatr Radiol 1989; **19:** 79

imaging of the basal cerebral arteries and measurement of blood velocity in adults by using transcranial real-time color flow Doppler sonography, Tsuchiya T; Yasaka M; Yamaguchi T; et al, AJR 1991; **157:** 397

intracranial blood flow: quantification with duplex Doppler and color Doppler flow US, Taylor GA; Short BL; Walker LK; Traystman RJ, Radiology 1990; **176:** 231

major pitfalls in Doppler investigations with particular reference to the cerebral vascular system: part I. sources of error, resulting pitfalls and measures to prevent errors, Winkler P; Helmke K, Pediatr Radiol 1990; **20:** 219

neonatal cerebral venous flow velocity measurement using a color flow Doppler system, Fenton AC; Papathoma E; Evans DH; et al, JCU 1991; **19:** 69

new method of adult transcranial Doppler, Hashimoto BE; Hattrick CW, J Ultrasound Med 1991; **10:** 349

relationship between pulsatility indices of Doppler flow signals and CO_2-reactivity within the middle cerebral artery in extracranial occlusive disease, Ley-Pozo J; Willmes K; Ringelstein EB, Ultrasound Med Biol 1990; **16:** 763

relationship between time averaged intensity weighted mean velocity, and time averaged maximum velocity in neonatal cerebral arteries, Evans DH; Schlindwein FS; Levene MI, Ultrasound Med Biol 1989; **15:** 429

right carotid artery ligation in neonates: classification of collateral flow with color Doppler imaging, Mitchell DG; Merton DA; Graziani LJ; Desai HJ; Desai SA; Wolfson PJ; Gross GW, Radiology 1990; **175:** 117

right common carotid artery ligation for extracorporeal membrane oxygenation: cerebral blood flow velocity measurement with Doppler duplex US, Matsumoto JS; Babcock DS; Brody AS; Weiss RG; Ryckman FG; Hiyama D, Radiology 1990; **175:** 757

side-to-side differences and day-to-day variations of transcranial Doppler parameters in normal subjects, Sorteberg W; Langmoen IA; Lindegaard K-F; et al, J Ultrasound Med 1990; **9:** 403

sonographic characteristics of small cerebral blood vessels: an in vivo and postmortem study, Hertzberg BS; Burger PC; Bowie JD; et al, J Ultrasound Med 1990; **9:** 697

transcranial Doppler sonography: anatomical landmarks and normal velocity values, Ringelstein EB; Kahlscheuer B; Niggemeyer E; et al, Ultrasound Med Biol 1990; **16:** 745

transcranial pulsed Doppler measurements of blood flow velocity in the middle cerebral artery: reference values at rest and during hyperventilation in healthy children and adolescents in relation to age and sex, Brouwers PJAM; Vriens EM; Musbach M; et al, Ultrasound Med Biol 1990; **16:** 1

transcranial pulsed Doppler measurements of blood velocity in the middle cerebral artery: reference values at rest and during hyperventilation in healthy volunteers in relation to age and sex, Vriens EM; Kraaier V; Musbach M; et al, Ultrasound Med Biol 1989; **15:** 1

validation study on the reproducibility of transcranial Doppler velocimetry, Maeda H; Etani H; Handa N; et al, Ultrasound Med Biol 1990; **16:** 9

Cerebral infarction

See Brain, infarction

Cerebral palsy

cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P, Radiology 1990; **175:** 111

computed tomographic (CT) scans in cerebral palsy (CP), Kolawole TM; Patel PJ; Mahdi AH, Pediatr Radiol 1989; **20:** 23

contribution of computed tomography in the aetiology and prognosis of cerebral palsy in children, Schouman-Claeys E; Picard A; Lalande G; et al, Br J Radiol 1989; **62:** 248

Cerebrospinal fluid

CSF fistula in a patient with Mondini deformity: demonstration by CT cisternography, Burton EM; Keith JW; Linden BE; et al, AJNR 1990; **11:** 205

electrolyte changes in rabbit cerebrospinal fluid during experimental myelography, Morris TW; Ekholm SE; Prentice LI, Invest Radiol 1990; **25:** S111

penetration of vascular contrast media into brain tissue and cerebrospinal fluid: an experimental study in rats, Harnish PP; Mukherji M, Invest Radiol 1989; **24:** 463

perispinal spaces: constitution, organization and relations with the cerebrospinal fluid (CSF), Maillot C, J Neuroradiol 1991; **18:** 18

Cerebrospinal fluid, flow dynamics

blood as tracer for CSF circulation after subarachnoidal hemorrhage, Jedrzejczak T; Ericson K; Bergstrand G; et al, Acta Radiol 1990; **31:** 545

cerebrospinal fluid shunts: flow measurements with MR imaging, Martin AJ; Drake JM; Lemaire C; Henkelman RM, Radiology 1989; **173:** 243

echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407

evaluation of CSF shunt function: value of functional examination with contrast material, Benzel EC; Mirfakhraee M; Hadden TA, AJNR 1991; **12:** 143

evaluation of CSF shunt function: value of functional examination with contrast material, Benzel EC; Mirfakhraee M; Hadden TA, AJR 1991; **156:** 801

fast multiphase MR imaging of aqueductal CSF flow: 1. study of healthy subjects, Ciraolo L; Mascalchi M; Bucciolini M; et al, AJNR 1990; **11:** 589

Fourier analysis of cerebrospinal fluid flow velocities: MR imaging study, Thomsen C; Ståhlberg F; Stubgaard M; Nordell B, Radiology 1990; **177:** 659

marked cerebrospinal fluid void: indicator of successful shunt in patients with suspected normal-pressure hydrocephalus, Bradley WG Jr; Whittemore AR; Kortman KE; Watanabe AS; Homyak M; Teresi LM; Davis SJ, Radiology 1991; **178:** 459

measurement of cerebrospinal fluid movement in the spine: an experimental technique, Palmer DW; Haughton VM; Nguyen CM; et al, Invest Radiol 1989; **24:** 61

MR-gated intracranial CSF dynamics: evaluation of CSF pulsatile flow, Njemanze PC; Beck OJ, AJNR 1989; **10:** 77

MR imaging of CSF pulsatory flow and its relation to intracranial pressure, (ab), Ohara S; Nagai H; Matsumoto T; et al, Radiology 1989; **172:** 588

MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; **171:** 841

MR phase imaging and cerebrospinal fluid flow in the head and spine, Levy LM; Di Chiro G, Neuroradiol 1990; **32:** 399

normal flow patterns of intracranial and spinal cerebrospinal fluid defined with phase-contrast cine MR imaging, Enzmann DR; Pelc NJ, Radiology 1991; **178:** 467

observation of cerebrospinal fluid flow with echo-planar magnetic resonance imaging, Stehling MK; Firth JL; Worthington BS; et al, Br J Radiol 1991; **64:** 89

steady-state free precession imaging in the presence of motion: application for improved visualization of the cerebrospinal fluid, Haacke EM; Wielopolski PA; Tkach JA; Modic MT, Radiology 1990; **175:** 545

Cerebrospinal fluid, leakage

CT cisternography in evaluation of cerebrospinal fluid rhinorrhea, Özgen T; Tekkök IH; Cila A; et al, Neuroradiol 1990; **32:** 481

demonstration of periorbital cerebrospinal fluid leak by radionuclide cisternography, Barette R; Verreault J, Clin Nucl Med 1989; **14:** 309

identification of CSF fistulas by radionuclide counting, Yamamoto Y; Kunishio K; Sunami N; et al, AJNR 1990; **11:** 823

intestinal activity visualized on radionuclide cisternography in patients with cerebrospinal fluid leak, Zu'bi SM; Kirkwood R; Abbasy M; et al, J Nucl Med 1991; **32:** 151

lesser sac cerebrospinal fluid collection: an unusual complication of a ventriculoperitoneal shunt, Eschelman DJ; Lee VW, Clin Nucl Med 1990; **15:** 415

postoperative cervical pseudomeningocele, Horowitz SW; Azar-Kia B; Fine M, AJNR 1990; **11:** 784

superior mediastinal widening from traumatic cerebrospinal fluid leak, Haddon MJ; Nakayama DK; Oh KS, Pediatr Radiol 1990; **20:** 190

Cerebrospinal fluid, MR

analysis of brain and cerebrospinal fluid volumes with MR imaging: part I. methods, reliability, and validation, Kohn MI; Tanna NK; Herman GT; Resnick SM; Mozley PD; Gur RE; Alavi A; Zimmerman RA; Gur RC, Radiology 1991; **178:** 115

analysis of brain and cerebrospinal fluid volumes with MR imaging: impact on PET data correction for atrophy: part II. aging and Alzheimer dementia, Tanna NK; Kohn MI; Horwich DN; Jolles PR; Zimmerman RA; Alves WM; Alavi A, Radiology 1991; **178:** 123

brain and cerebrospinal fluid volume: measurement with MR imaging, Jack CR Jr, Radiology 1991; **178:** 22

cerebrospinal fluid shunts: flow measurements with MR imaging, Martin AJ; Drake JM; Lemaire C; Henkelman RM, Radiology 1989; 173: 243
characterization of CNS lesions by using high-resolution ^{1}H MR spectroscopy of CSF: preliminary results, Koschorek F; Gremmel H; Stelten J; et al, AJNR 1989; 10: 523
cine MR in the evaluation of normal and abnormal CSF flow: intracranial and intraspinal studies, Quencer RM; Post MJD; Hinks RS, Neuroradiol 1990; 32: 371
echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; 177: 407
fast multiphase MR imaging of aqueductal CSF flow: 1. study of healthy subjects, Ciraolo L; Mascalchi M; Bucciolini M; et al, AJNR 1990; 11: 589
fast multiphase MR imaging of aqueductal CSF flow: 2. study in patients with hydrocephalus, Mascalchi M; Ciraolo L; Bucciolini M; et al, AJNR 1990; 11: 597
Fourier analysis of cerebrospinal fluid flow velocities: MR imaging study, Thomsen C; Ståhlberg F; Stubgaard M; Nordell B, Radiology 1990; 177: 659
importance of absence of CSF pulsation artifacts in the MR detection of significant myelographic block at 1.5 T, Quint DJ; Patel SC; Sanders WP; et al, AJNR 1989; 10: 1089
magnetic resonance imaging of the cerebral aqueduct: signal intensity time curves demonstrated by fast acquisition with multiple excitation (FAME), Van den Hout JHW; Bakker CJG; Mali WPTM; et al, Invest Radiol 1989; 24: 855
magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; 179: 133
marked cerebrospinal fluid void: indicator of successful shunt in patients with suspected normal-pressure hydrocephalus, Bradley WG Jr; Whittemore AR; Kortman KE; Watanabe AS; Homyak M; Teresi LM; Davis SJ, Radiology 1991; 178: 459
MR-gated intracranial CSF dynamics: evaluation of CSF pulsatile flow, Njemanze PC; Beck OJ, AJNR 1989; 10: 77
MR imaging of CSF pulsatory flow and its relation to intracranial pressure, (ab), Ohara S; Nagai H; Matsumoto T; et al, Radiology 1989; 172: 588
MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; 171: 841
MR measurement of intracranial CSF volume in 41 elderly normal volunteers, Malko JA; Hoffman JC Jr; Green RC, AJNR 1991; 12: 371
MR phase imaging and cerebrospinal fluid flow in the head and spine, Levy LM; Di Chiro G, Neuroradiol 1990; 32: 399
MR visualization of CSF flow through a ventriculo-cisternostomy, Missir O; Dormont D; Pierot L, Neuroradiol 1989; 31: 93
normal flow patterns of intracranial and spinal cerebrospinal fluid defined with phase-contrast cine MR imaging, Enzmann DR; Pelc NJ, Radiology 1991; 178: 467
observation of cerebrospinal fluid flow with echo-planar magnetic resonance imaging, Stehling MK; Firth JL; Worthington BS; et al, Br J Radiol 1991; 64: 89
segmentation of MR brain images into cerebrospinal fluid spaces, white and gray matter, Lim KO; Pfefferbaum A, JCAT 1989; 13: 588
steady-state free precession imaging in the presence of motion: application for improved visualization of the cerebrospinal fluid, Haacke EM; Wielopolski PA; Tkach JA; Modic MT, Radiology 1990; 175: 545
stereotactic third ventriculostomy: assessment of patency with MR imaging, Jack CR Jr; Kelly PJ, AJNR 1989; 10: 515
variation of contrast between different brain tissues with an MR snapshot technique, Klose U; Nägele T; Grodd W; Petersen D, Radiology 1990; 176: 578
variation of lateral ventricular volume during the cardiac cycle observed by MR imaging, Lee E; Wang J-z; Mezrich R, AJNR 1989; 10: 1145

Cerebrospinal fluid, radionuclide studies
accuracy and precision of radionuclide measurement of CSF oscillation in the spine, Palmer DW; Haughton VM; Hellman RS; et al, Invest Radiol 1990; 25: 72
identification of CSF fistulas by radionuclide counting, Yamamoto Y; Kunishio K; Sunami N; et al, AJNR 1990; 11: 823
use of radionuclide cisternography in the diagnosis of pleural cerebrospinal fluid fistulae, Krasnow AZ; Collier BD; Isitman AT; et al, J Nucl Med 1989; 30: 120

Cervix
See Uterine neoplasms; Uterus

Chemodectoma
See Paraganglioma

Chemonucleolysis
bone scan and chemonucleolysis, Amico S; Eschard JP; Liehn JC; et al, Clin Nucl Med 1990; 15: 908
effect of repeated injections of chymopapain in the epidural space, Nguyen CM; Haughton VM; Ho K-C, Radiology 1990; 174: 417
synergy of chymopapain and diatrizoate studied in an experimental model, Haughton VM; Ho K-C; Nguyen CM, Radiology 1989; 171: 469

Chemotherapeutic infusion
balloon-occluded arterial infusion therapy in the treatment of primary and recurrent gynecologic malignancies, Yamashita Y; Takahashi M; Bussaka H; et al, Cardiovasc Intervent Radiol 1989; 12: 188
chemoembolization for hepatocellular carcinoma, (ab), Venook AP; Stagg RJ; Lewis BJ; et al, JVIR 1990; 1: 140
erosion of portal vein catheter into the biliary system, Schuster JA; Gutierrez OH; Azodo MVU, Gastrointest Radiol 1990; 15: 47
hepatic arterial chemotherapy: role of angiography, Cho KJ; Andrews JC; Williams DM; Doenz F; Guy GE, Radiology 1989; 173: 783
hepatic artery infusion and chemoembolization in the management of liver metastases, Wallace S; Carrasco CH; Charnsangavej C; et al, Cardiovasc Intervent Radiol 1990; 13: 153
MR imaging of the liver before and after transcatheter hepatic chemo-embolization for hepatocellular carcinoma, Yoshioka H; Nakagawa K; Shindou H; et al, Acta Radiol 1990; 31: 63
transcatheter arterial chemoembolization with anticancer drug in iodized oil for primary hepatic carcinoma, Guo J; Yen D; Huang Z; et al, Cardiovasc Intervent Radiol 1989; 12: 181
unsatisfactory hepatic perfusion after placement of an implanted pump and catheter system: angiographic correlation, Andrews JC; Williams DM; Cho KJ; Knol JA; Wahl RL; Ensminger WD, Radiology 1989; 173: 779

Chemotherapy
194 hepatocellular cancers treated by radiation and chemotherapy combinations: toxicity and response: a Radiation Therapy Oncology Group study, Stillwagon GB; Order SE; Guse C; et al, Int J Radiat Oncol Biol Phys 1989; 17: 1223
1-methyl-2-nitrosoimidazole: cytotoxic and glutathione depleting capabilities, Noss MB; Panicucci R; McClelland RA; et al, Int J Radiat Oncol Biol Phys 1989; 16: 1015
activity of etoposide (VP-16) in human tumor cells under different growth conditions, Chapuis J-C; Keng PC; Siemann DW, Int J Radiat Oncol Biol Phys 1991; 20: 373
adjuvant bestatin (Ubenimex) treatment following full-dose local irradiation for bladder carcinoma, Blomgren H; Esposti P-L; Näslund I; et al, Acta Oncol 1990; 29: 809
adjuvant chemotherapy: a discussion of some basic principles, Ringborg U, Acta Oncol 1991; 30: 251
adjuvant chemotherapy (CMF) for stage III breast cancer: a randomized trial, Derman DP; Browde S; Kessel IL; et al, Int J Radiat Oncol Biol Phys 1989; 17: 257
adjuvant cytotoxic chemotherapy in association with radical surgery or radical radiation treatment in presumably localized prostatic cancer, Chatelain C, Acta Oncol 1991; 30: 259
administered dose and tumor dose of bleomycin labeled with cobalt-57 in mice and men, Front D; Israel O; Iosilevsky G; et al, J Nucl Med 1990; 31: 1784
advanced head and neck cancer: low-dose, split-course radiation therapy and simultaneous infusion of 5-fluorouracil and cisplatin, Stryker JA; Harvey HA; Houck JR; Manders EK; Bradfield JJ, Radiology 1990; 176: 567
alternating radiotherapy and chemotherapy in 173 consecutive patients with limited small cell lung carcinoma, Arriagada R; le Chevalier T; Ruffie P; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1135
alternating radiotherapy and chemotherapy in non-metastatic inflammatory breast cancer, Arriagada R; Mouriesse H; Spielmann M; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1207
anthracycline pharmacokinetics: limited sampling model for plasma level monitoring with special reference to epirubicin (Farmorubicin), Eksborg S, Acta Oncol 1990; 29: 339
arterial perfusion abnormalities of the liver after hepatic arterial infusion chemotherapy and their correlation with changes in the metastases: evaluation with CT and angiography, Roth J; Wallner B; Safi F, AJR 1989; 153: 751
assessing response to therapy of spinal metastases with gadolinium-enhanced MR imaging, Sugimura K; Kajitani A; Okizuka H; Sugihara M; Mizutani M; Ishida T, JMRI 1991; 1: 481
astro plenary: effect of chemotherapy on locally advanced non-small cell lung carcinoma: a randomized study of 353 patients, Arriagada R; le Chevalier T; Quoix E; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1183
bestatin as adjuvant treatment in operated stage I and stage II non-small cell lung cancer, Mouritzen C, Acta Oncol 1990; 29: 817
bestatin in resected lung cancer: a randomized clinical trial, Yasumitsu T; Ohshima S; Nakano N; et al, Acta Oncol 1990; 29: 827
bestatin treatment of myelodysplastic syndromes (MDS) and the effects of bestatin on hematopoiesis in MDS, Uzuka Y; Saito Y, Acta Oncol 1990; 29: 803
cancer chemoprevention: a review of ongoing clinical studies, Costa A; Santoro G; Assimakopoulos G, Acta Oncol 1990; 29: 657
cancer research campaign trials of adjuvant therapy for early breast cancer, Baum M; Ebbs SR; Houghton J; et al, Acta Oncol 1989; 28: 907
cerebral distribution of contrast medium during slow intracarotid infusion, Silbergleit R; Steffey DJ; DeFilipp GJ; et al, AJNR 1989; 10: 1061
chemosensitization of the nitrosoureas by 2-nitroimidazoles in the subcutaneous 9L tumor model: pharmacokinetic and structure-activity considerations, Wong K-H; Wallen CA; Wheeler KT, Int J Radiat Oncol Biol Phys 1990; 18: 1043
chemotherapy and embolization via the inferior epigastric artery for the treatment of primary and metastatic cancer, O'Keeffe FN; Lorigan JG; Charnsangavej C; et al, AJR 1989; 152: 387
chemotherapy and endocrine function in lung cancer, Aasebø U; Slørdal L; Aanderud S; et al, Acta Oncol 1989; 28: 667
chemotherapy in invasive carcinoma of the bladder: a review of phase II trials in Egypt, Gad-El-Mawla N; Hamza MR; Zikri ZK; et al, Acta Oncol 1989; 28: 73
chlorpromazine-induced hypothermia in tumour-bearing mice, acute cytotoxic drug lethality and long-term survival, Hultborn R; Lundgren-Eriksson L; Ottosson-Lönn S; et al, Acta Oncol 1990; 29: 941
cisplatin and radiation: interaction probabilities and therapeutic possibilities, Begg AC, Int J Radiat Oncol Biol Phys 1990; 19: 1183
cisplatin and tegafur in recurrent head and neck cancer: a phase II study, Keldsen N; Dalmark M, Acta Oncol 1990; 29: 589

clinical and radiographic response of Langerhans' cell histiocytosis with chemotherapy, Sánchez de Toledo J; Moraga F; Teijeiro AF; et al, Neuroradiol 1990; **31:** 547

clinical hyperthermia and chemotherapy, Storm FK, Radiol Clin North Am 1989; **27:** 621

clinical trials of WR-2721 and cis-platinum, Glover D; Grabelsky S; Fox K; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1201

combination chemotherapy with vinblastine, ifosfamide and cisplatin in bulky seminoma, Clemm C; Hartenstein R; Willich N; et al, Acta Oncol 1989; **28:** 231

combination of radiation therapy and intracranial bleomycin in the 9L rat brain tumor model, Kimler BF; Martin DF; Evans RG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1115

combination therapy with bestatin in inoperable lung cancer: a randomized trial, Takada M; Fukuoka M; Negoro S; et al, Acta Oncol 1990; **29:** 821

combined chemotherapy—radiotherapy of anal cancer, Zucali R; Doci R; Bombelli L, Int J Radiat Oncol Biol Phys 1990; **19:** 1221

combined modality treatment of advanced cancers of the oral cavity and oropharynx, Dobrowsky W; Dobrowsky E; Strassl H; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 239

combined postoperative radiotherapy and weekly cisplatin infusion for locally advanced squamous cell carcinoma of the head and neck: preliminary report of a randomized trial, Bachaud J-M; David J-M; Boussin G; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 243

comparison of antiemetic acivity of chloropromazine and high doses of metoclopramide in cisplatin-based chemotherapy, Tsavaris NB; Papaioannou D; Beldecos D; et al, Acta Oncol 1990; **29:** 1005

comparison of colorimetric and clonogenic assays for hypoxic-specific toxins with hamster and human cells, Watts ME; Roberts IJ; Woodcock M, Int J Radiat Oncol Biol Phys 1989; **16:** 939

comparison of the toxicity and efficacy of cisplatin and carboplatin in advanced ovarian cancer, Adams M; Kerby IJ; Rocker I; et al, Acta Oncol 1989; **28:** 57

concomitant chemotherapy-radiation therapy followed by hyperfractionated radiation therapy for advanced unresectable head and neck cancer, Harrison LB; Pfister DG; Fass DE; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 703

concomitant cisplatin chemotherapy and radiotherapy in advanced mucosal squamous cell carcinoma of the head and neck: long-term results of the radiation therapy oncology group study 81-17, (ab), Marcial VA; Pajak TF; Mohiuddin M; et al, Radiology 1991; **180:** 888

continuous infusion with implantable pumps: expanding the radiologist's role, Damascelli B; Bonalumi MG; Marchianò A; et al, Eur J Radiol 1991; **12:** 191

current status of epirubicin (Farmorubicin) in the treatment of solid tumours, Mouridsen HT; Alfthan C; Bastholt L; et al, Acta Oncol 1990; **29:** 257

differential hypoxic cytotoxicity of bioreductive agents determined *in* vitro by the MTT assay, Stratford IJ; Stephens MA, Int J Radiat Oncol Biol Phys 1989; **16:** 973

doxorubicin in combination with verapamil in advanced colorectal cancer: a phase II trial, Dalmark M; Pals H; Johnsen AH, Acta Oncol 1991; **30:** 23

drug development for cancer: implications for chemical modifiers, Chabner BA; Shoemaker D, Int J Radiat Oncol Biol Phys 1989; **16:** 907

drug resistance following irradiation of RIF-1 tumors: influence of the interval between irradiation and drug treatment, Hopwood LE; Davies BM; Moulder JE, Int J Radiat Oncol Biol Phys 1990; **19:** 643

drug sensitivity testing of human breast cancer, Tveit KM; Ottestad L, Acta Oncol 1990; **29:** 335

effectiveness in inhibition of recovery of cell survival by cisplatin and carboplatin: influence of treatment sequence, Schwachöfer JHM; Crooijmans RPMA; Hoogenhout J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1235

effect of chemotherapy and radiotherapy on squamous cell carcinoma of the esophagus: a preoperative radiologic evaluation, Samuelsson L; Albertsson M; Hambraeus G; et al, Acta Radiol 1991; **32:** 247

effect of combination therapy of radiation and local administration of OK-432 on a murine fibrosarcoma, Mukai M; Ando K; Koike S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 125

effect of host age on microenvironmental heterogeneity and efficacy of combined modality therapy in solid tumors, Rockwell S; Hughes CS; Kennedy KA, Int J Radiat Oncol Biol Phys 1991; **20:** 259

effect of prophylactic sucralfate suspension on stomatitis induced by cancer chemotherapy: a randomized, double-blind cross-over study, Pfeiffer P; Madsen EL; Hansen O; et al, Acta Oncol 1990; **29:** 171

effect of thiol manipulation on chemopotentiation by nitroimidazoles, Siemann DW; Flaherty AA; Penney DP, Int J Radiat Oncol Biol Phys 1989; **16:** 1341

effects of bestatin on the host immunity in patients treated for urogenital cancer, Ozono S; Iwai A; Babaya K; et al, Acta Oncol 1990; **29:** 813

effects of oxygenation and pH on tumor cell response to alkylating chemotherapy, Siemann DW; Chapman M; Beikirch A, Int J Radiat Oncol Biol Phys 1991; **20:** 287

effects of preoperative chemotherapy on the resectability of non-small cell lung carcinoma with mediastinal lymph node metastases (N2 M0), (ab), Martini N; Kris MG; Gralla RJ; et al, Radiology 1989; **170:** 582

efficacy of I.V. or I.P. injected cytotoxic drugs on proliferating and non-proliferating hair follicles of the mouse, Vegesna V; Withers HR, Int J Radiat Oncol Biol Phys 1991; **20:** 997

enhancement of the anti-tumor effect of melphalan in experimental mice by some vaso-active agents, Adams GE; Stratford IJ; Godden J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1137

enlargement of the thymus following chemotherapy for non-seminomatous testicular cancer, Abildgaard A; Lien HH; Fosså SD; et al, Acta Radiol 1989; **30:** 259

evaluation of bromodeoxyuridine in glioblastoma multiforme: a Northern California Cancer Center phase II study, Phillips TL; Levin VA; Ahn DK; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 709

extremity osteosarcomas: intraarterial chemotherapy and limb-sparing resection with 2-year follow-up, Kashdan BJ; Sullivan KL; Lackman RD; Shapiro MJ; Bonn J; Weiss AJ; Gardiner GA Jr, Radiology 1990; **177:** 95

five-day continuous infusion of cisplatin and etoposide in non-small cell lung cancer: a phase II trial, Marechal F; Berthiot G; Cattan A, Acta Oncol 1990; **29:** 989

generation of human LAK cells in tissue culture bags using recombinant IL-2 and serum free medium: effects of pretreatment with phenylalanine-methylester, Wersäll P; Masucci G; Pihlstedt P; et al, Acta Oncol 1990; **29:** 431

genetic mechanisms of drug resistance: a review, Borst P, Acta Oncol 1991; **30:** 87

hepatic arterial chemotherapy: role of angiography, Cho KJ; Andrews JC; Williams DM; Doenz F; Guy GE, Radiology 1989; **173:** 783

hepatic artery model for evaluating the distribution of intraarterial chemotherapy infusion: nonpulsed versus pulsed infusions, Matsumoto AH; Barth KH; Lutz RJ; Miller DL, Radiology 1989; **170:** 1077

hepatic perfusion during hepatic artery infusion chemotherapy: evaluation with perfusion CT and perfusion scintigraphy, Miller DL; Carrasquillo JA; Lutz RJ; et al, JCAT 1989; **13:** 958

hexadecylphosphocholine, a new ether lipid analogue: studies on the antineoplastic activity in vitro and in vivo, Unger C, Damenz W; Fleer EAM; et al, Acta Oncol 1989; **28:** 213

hospitalization during chemotherapy for small cell lung cancer, Bergman B; Sörenson S, Acta Oncol 1990; **29:** 977

how to improve cytotoxic therapy in advanced breast cancer, Bastholt L; Mouridsen HT, Acta Oncol 1990; **29:** 349

indications for surgical or radiological placement of cannulas for intra-arterial induction chemotherapy, Waugh RC; Stephens FO, Australas Radiol 1990; **34:** 196

induction chemotherapy (cisplatin +5-fluorouracil) and radiotherapy in advanced squamous cell carcinoma of the head and neck, Tennvall J; Albertsson M; Biörklund A; et al, Acta Oncol 1991; **30:** 27

induction chemotherapy in advanced head and neck cancer: preliminary results of a randomized study, Brunin F; Rodriguez J; Jaulerry C; et al, Acta Oncol 1989; **28:** 61

influence of bestatin on production of granulocyte-macrophage colony-stimulating factor from human peripheral blood mononuclear cells in vitro, Okamura S; Omori F; Haga K; et al, Acta Oncol 1990; **29:** 795

influence of radiation on the blood-brain barrier and optimum time of chemotherapy, Qin D-X; Zheng R; Tang J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1507

inhibitory effect of bestatin on the growth of human leukemic cells, Sakurada K; Imamura M; Kobayashi M; et al, Acta Oncol 1990; **29:** 799

injection technique for repositioning central venous catheters: technical note, Olcott EW; Gordon RL; Ring EJ, Cardiovasc Intervent Radiol 1989; **12:** 292

interactions between antibiotics and antineoplastic drugs on antibacterial activity in vitro, Henriksson R; Holm S; Littbrand B, Acta Oncol 1990; **29:** 43

interactions between anticancer drugs and other clinically used pharmaceuticals: a review, Henriksson R; Grankvist K, Acta Oncol 1989; **28:** 451

isolation by flow cytometry of a human ovarian tumor cell subpopulation exhibiting a high glutathione content phenotype and increaed resistance to adriamycin, Lee FYF; Siemann DW, Int J Radiat Oncol Biol Phys 1989; **16:** 1315

keynote address: a critical assessment of trials of neoadjuvant (preemptive) chemotherapy for bladder cancer: lesson for future studies of combined modality treatment, Raghavan D, Int J Radiat Oncol Biol Phys 1991; **20:** 233

keynote address: cellular reduction of nitroimidazole drugs: potential for selective chemotherapy and diagnosis of hypoxic cells, Chapman JD; Lee J; Meeker BE, Int J Radiat Oncol Biol Phys 1989; **16:** 911

keynote address: glutathione modulation in cancer treatment: will it work?, Mitchell JB; Cook JA; DeGraff W; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1289

keynote address: mechanisms of cellular resistance to cytotoxic drugs and x-irradiation, Carmichael J; Hickson ID, Int J Radiat Oncol Biol Phys 1991; **20:** 197

keynote address: multidrug resistance: a pleiotropic response to cytotoxic drugs, Fairchild CR; Cowan KH, Int J Radiat Oncol Biol Phys 1991; **20:** 361

levamisole or placebo after effective chemotherapy for remission and survival prolongation in advanced human solid tumors—a double-blind randomized trial, Focan C; Schyns-Mosen J; Focan-Henrard D, Acta Oncol 1989; **28:** 105

local control and survival of Ewing's sarcoma in children with radiotherapy and chemotherapy without radical surgery, Munoz A; Madero L; Amaya J; et al, Acta Oncol 1989; **28:** 245

local-regional recurrence in breast cancer after mastectomy and adriamycin-based adjuvant chemotherapy: evaluation of the role of postoperative radiotherapy, Sykes HF; Sim DA; Wong CJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 641

long-range results for breast cancer patients treated by radical mastectomy and postoperative radiation without adjuvant chemotherapy: an update, Fletcher GH; McNeese MD; Oswald MJ, Int J Radiat Oncol Biol Phys 1989; **17:** 11

long-term results in patients with low-grade nodular non-Hodgkin's lymphoma: a randomized trial comparing chemotherapy plus radiotherapy with chemotherapy alone, Avilés A; Díaz-Maqueo JC; Sánchez E; et al, Acta Oncol 1991; **30:** 329

long-term results of infusional 5-FU, mitomycin-C, and radiation as primary management of esophageal carcinoma, Coia LR; Engstrom PF; Paul AR; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 29

low infusion rate digital subtraction angiography to predict regional perfusion in hepatic arterial chemotherapy, Andrews JC; Williams DM; Shapiro B; et al, Cardiovasc Intervent Radiol 1989; **12:** 277

magnetic resonance imaging of implanted melanomas before and after chemotherapy: relation to ^{31}P magnetic resonance spectroscopy and tumor histology, Iyer SB; Goldberg HI; Benz CC, Invest Radiol 1990; **25:** 1076

magnetic resonance imaging of the bone marrow in patients with acute leukemia during and after chemotherapy: changes in T1 relaxation, Jensen KE; Sørensen PG; Thomsen C; et al, Acta Radiol 1990; **31:** 361

malignant germ cell sacrococcygeal tumors in children: improved prognosis after introduction of cisplatin-containing multiple drug treatment, Diez B; Richard L, Acta Oncol 1989; **28:** 249

management of primary cerebral lymphoma with initial chemotherapy: preliminary results and comparison with patients treated with radiotherapy alone, Brada M; Dearnaley D; Horwich A; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 787

marrow antioxidant enzyme activity in tumor-bearing and non-tumor-bearing mice following vincristine treatment, Johnke RM; Loven DP; Abernathy RS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 369

microcatheter with a ball tip for hepatic embolization and intra-arterial chemotherapy, Hori S; Matsushita M; Narumi Y; et al, Eur J Radiol 1989; **9:** 44

MIME combination chemotherapy in recurrent or refractory lymphoproliferative malignancies: a phase II study, Mirza MR; Brincker H, Acta Oncol 1991; **30:** 17

misonidazole combined with radiotherapy in the treatment of carcinoma of the uterine cervix, Overgaard J; Bentzen SM; Kolstad P; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1069

modification of normal tissue response to radiotherapy and chemotherapy, Stewart FA, Int J Radiat Oncol Biol Phys 1989; **16:** 1195

molecular enzymology of the reductive bioactivation of hypoxic cell cytotoxins, Walton MI; Wolf CR; Workman P, Int J Radiat Oncol Biol Phys 1989; **16:** 983

multinuclear MR investigation of the metabolic response of the murine RIF-1 tumor to 5-fluorouracil chemotherapy, Sijens PE; Baldwin NJ; Ng TC, Magn Res Med 1991; **19:** 373

new cytotoxic drugs in treatment of breast cancer, Mouridsen HT, Acta Oncol 1990; **29:** 343

open-ended guidewire as superselective catheter for intraarterial chemotherapy: experience in 190 procedures, Bilbao JI; Aquerreta JD; Longo JM; et al, Cardiovasc Intervent Radiol 1990; **13:** 375

oral idarubicin in the treatment of advanced breast cancer, Bastholt L; Dalmark M; Jakobsen A; et al, Acta Oncol 1989; **28:** 893

oral versus intravenous melphalan and prednisone treatment in multiple myeloma stage II: a randomized study from the Myeloma Group of Central Sweden, Österborg A; Åhre A; Björkholm M; et al, Acta Oncol 1990; **29:** 727

perioperative adjuvant chemotherapy in breast cancer: the Scandinavian Adjuvant Chemotherapy Study 1, Kjellgren K; Nissen-Meyer R; Norin T, Acta Oncol 1989; **28:** 899

pharmacokinetics of intra-arterial mitomycin C with or without degradable starch microspheres (DSM) in the treatment of non-resectable liver cancer, Andersson M; Aronsen KF; Balch C; et al, Acta Oncol 1989; **28:** 219

phase II trial of mitozolomide in patients with advanced ovarian cancer: a study of the EORTC Gynecological Cancer Cooperative Group, Neijt JP; van der Burg MEL; Guastalla JP; et al, Acta Oncol 1989; **28:** 663

phase III trial of cyclophosphamide, doxorubicin, vincristine and prednisone (CHOP) versus cisplatin, etoposide, bleomycin and prednisone (CisEBP) for the treatment of advanced non-Hodgkin's lymphoma of high grade malignancy, Andersen J; Thorling K; Bentzen SM; et al, Acta Oncol 1990; **29:** 995

plasma pharmacokinetics of idarubicin and its 13-hydroxymetabolite after intravenous and oral administration under fasting and non-fasting conditions, Eksborg S; Söderberg M; Nilsson B; et al, Acta Oncol 1990; **29:** 921

platinum chemotherapy, radiotherapy and the inner ear: implications for "standard" radiation portals, Kirkbride P; Plowman PN, Br J Radiol 1989; **62:** 457

potentiation of the tumor cytotoxicity of melphalan by vasodilating drugs, Chaplin DJ; Acker B; Olive PL, Int J Radiat Oncol Biol Phys 1989; **16:** 1131

prediction of objective response to recombinant interferon-alpha with or without vinblastine in metastatic renal cell carcinoma, Fosså SD; Nesland JM; Melvik JE; et al, Acta Oncol 1990; **29:** 303

predictive value of initial cytostatic response in primary unresectable rhabdomyosarcoma in children, Treuner J; Suder J; Keim M; et al, Acta Oncol 1989; **28:** 67

preoperative chemotherapy and irradiation for stage III non-small cell lung cancer, (ab), Faber LP; Kittle CF; Warren WH; et al, Radiology 1990; **174:** 291

preoperative chemotherapy, surgical resection, and selective postoperative therapy for squamous cell carcinoma of the esophagus, (ab), Hilgenberg AD; Carey RW; Wilkins EW Jr; et al, Radiology 1989; **170:** 286

probe for intracellular concentrations of drugs: delayed fluorescence from acridine orange, Wardman P; Dennis MF; White J, Int J Radiat Oncol Biol Phys 1989; **16:** 935

prolonged adjuvant chemotherapy in breast cancer: the Scandinavian Adjuvant Chemotherapy Study 2, Nissen-Meyer R; Høst H; Kjellgren K, Acta Oncol 1989; **28:** 903

prospective study of adjuvant surgical resection after chemotherapy for limited small cell lung cancer, (ab), Shepherd FA; Ginsberg RJ; Patterson GA; et al, Radiology 1989; **173:** 290

protection of doxorubicin cytotoxicity by cycloheximide, Bonner JA; Lawrence TS, Int J Radiat Oncol Biol Phys 1989; **16:** 1209

protracted intravenous infusion of 5-fluorouracil in combination treatments: a review, Hansen RM, Acta Oncol 1991; **30:** 7

pulmonary lacunae: sequelae of metastases following chemotherapy, Charig MJ; Williams MP, Clin Radiol 1990; **42:** 93

quality of life during chemotherapy in non-small cell lung cancer patients, Fernandez C; Rosell R; Abad-Esteve A; et al, Acta Oncol 1989; **28:** 29

radiation induction of drug resistance in RIF-1: correlation of tumor and cell culture results, Moulder JE; Hopwood LE; Volk DM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 213

radiotherapy, chemotherapy, and tamoxifen as adjuncts to surgery in early breast cancer: a summary of three randomized trials, Rutqvist LE; Cedermark B; Glas U; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 629

radiotherapy with and without cisplatin in bladder cancer, Sauer R; Dunst J; Altendorf-Hofmann A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 687

randomized clinical trial of mitomycin C as an adjunct to radiotherapy in head and neck cancer, Weissberg JB; Son YH; Papac RJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 3

randomized prospective trial comparing full dose chemotherapy to ^{131}I antiferritin: an RTOG study, Order S; Pajak T; Leibel S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 953

randomized study of 5 fluorouracil and cis platin as neoadjuvant therapy in head and neck cancer: a preliminary report, Martin M; Hazan A; Vergnes L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 973

rapidly alternating radiotherapy and high dose cisplatin chemotherapy in stage IIIB non-small cell lung cancer: results of a phase I/II study, Gandara DR; Valone FH; Perez EA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1047

reaction between nitracrine and glutathione: implications for hypoxic cell radiosensitization and cytotoxicity, Wilson WR; Anderson RF, Int J Radiat Oncol Biol Phys 1989; **16:** 1001

real-time follow-up of 5-fluorouracil metabolism in the liver of tumor patients by means of F-19 MR spectroscopy, Semmler W; Bachert-Baumann P; Gückel F; Ermark F; Schlag P; Lorenz WJ; van Kaick G, Radiology 1990; **174:** 141

recombinant leukocyte interferon alpha-2a and medroxyprogesterone in advanced renal cell carcinoma: a randomized trial, Steinbeck G; Strander H; Carbin B-E; et al, Acta Oncol 1990; **29:** 155

regional chemotherapy for colorectal hepatic metastases using degradable starch microspheres: a review, Ball ABS, Acta Oncol 1991; **30:** 309

relation between responses to induction chemotherapy and subsequent radiotherapy in advanced or multicentric squamous cell carcinomas of the head and neck, Panis X; Coninx P; Nguyen TD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1315

renal cisplatin chemoembolization with Angiostat, Gelfoam, and Ethiodol in the rabbit: renal platinum distributions, Sternlicht M; Sales SF; Daniels JR; Daniels A, Radiology 1989; **170:** 1073

response of hypoxic cells in SCCVII murine tumors to treatment with cisplatin and x rays, Yan R; Durand RE, Int J Radiat Oncol Biol Phys 1991; **20:** 271

response to chemotherapy does not predict survival after resection of sarcomatous pulmonary metastases, (ab), Lanza LA; Putnam JB Jr; Benjamin RS; et al, Radiology 1991; **181:** 909

results of combination chemotherapy and thoracic radiation therapy for unresectable non-small cell carcinoma of the lung, Robinow JS; Shaw EG; Eagan RT; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1203

reversible nail loss after cancer chemotherapy, Kumar L; Kochupillai V, Acta Oncol 1990; **29:** 471

role of adjuvant chemotherapy in the treatment of advanced head and neck cancer, Hill BT; Price LA, Acta Oncol 1990; **29:** 695

scintigraphic evaluation of tumor regression during preoperative chemotherapy of osteosarcoma: correlation of ^{99m}Tc-methylene diphosphonate parametric imaging with surgical histopathology, Knop J; Delling G; Heise U; et al, Skeletal Radiol 1990; **19:** 165

second cancer following chemotherapy and radiotherapy: an epidemiological perspective, Kaldor J, Acta Oncol 1990; **29:** 647

sequential combination chemotherapy (CABOPP/VIM) for the treatment of high-grade malignant non-Hodgkin lymphoma, Nowrousian MR; Meier CR; Schoetensack B; et al, Acta Oncol 1989; **28:** 495

studies on high grade cerebral gliomas, Bleehen NM, Int J Radiat Oncol Biol Phys 1990; **18:** 811

superiority of post-radiotherapy adjuvant chemotherapy with CCNU, procarbazine, and vincristine (PCV) over BCNU for anaplastic gliomas: NCOG 6G61 final report, Levin VA; Silver P; Hannigan J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 321

superselective arterial BCNU infusion in the treatment of patients with malignant gliomas, Clayman DA; Wolpert SM; Heros DO, AJNR 1989; **10:** 767

sustained complete remission of stage IVb carcinoma of the cervix with *cis*-platinum, methotrexate and bleomycin chemotherapy, Burnet NG; Blake PR, Br J Radiol 1989; **62:** 856

systemic therapy of metastatic breast cancer, Rose C, Acta Oncol 1990; 29: 361

targeting cancer chemotherapeutic agents by use of lipiodol contrast medium, (ab), Konno T, JVIR 1991; 2: 296

targeting cancer chemotherapeutic agents by use of lipiodol contrast medium, (ab), Konno T, Radiology 1991; 179: 592

thallium-201 scintigraphy in bone sarcoma: comparison with gallium-67 and technetium-MDP in the evaluation of chemotherapeutic response, Ramanna L; Waxman A; Binney G; et al, J Nucl Med 1990; 31: 567

the 1987 Franz Buschke lecture: the role of radiotherapy in the treatment of chemosensitive tumors, Tubiana M, Int J Radiat Oncol Biol Phys 1989; 16: 763

therapeutic considerations for the malignant carcinoid syndrome, Kvols LK, Acta Oncol 1989; 28: 433

thymic atrophy and rebound enlargement following chemotherapy for testicular cancer, Hendrickx P; Döhring W, Acta Radiol 1989; 30: 263

transcatheter arterial chemotherapy using doxorubicin, iodized oil and Gelfoam embolization in hepatocellular carcinoma, Van Beers BE; Roche A; Cauquil P; et al, Acta Radiol 1989; 30: 415

transcatheter oily chemoembolization of hepatocellular carcinoma, Nakamura H; Hashimoto T; Oi H; Sawada S, Radiology 1989; 170: 783

treatment of advanced transitional cell carcinoma of the bladder with irradiation and concomitant 5-fluorouracil infusion, Rotman M; Aziz H; Porrazzo M; et al, Int J Radiat Oncol Biol Phys 1990; 18: 1131

treatment of hepatocellular carcinoma by segmental hepatic artery injection of adriamycin-in-oil emulsion with overflow to segmental portal veins, Nakamura H; Hashimoto T; Oi H; et al, Acta Radiol 1990; 31: 347

unsatisfactory hepatic perfusion after placement of an implanted pump and catheter system: angiographic correlation, Andrews JC; Williams DM; Cho KJ; Knol JA; Wahl RL; Ensminger WD, Radiology 1989; 173: 779

uptake and retention of platinum in patients undergoing cisplatin therapy, Jonson R; Börjesson J; Mattsson S; et al, Acta Oncol 1991; 30: 315

use of monochlorobimane for glutathione measurements in hamster and human tumor cell lines, Cook JA; Pass HI; Russo A; et al, Int J Radiat Oncol Biol Phys 1989; 16: 1321

value of adjunctive radiotherapy when chemotherapy is the major curative method, Arriagada R; Cosset JM; le Chevalier T; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1279

value of MR imaging in monitoring the effect of chemotherapy on bone sarcomas, Holscher HC; Bloem JL; Nooy MA; et al, AJR 1990; 154: 763

vincristine, doxorubicin and cyclophosphamide with and without etoposide in limited small cell lung cancer, Nikkanen V; Liippo K; Ojala A; et al, Acta Oncol 1990; 29: 421

weekly oral idarubicin in postmenopausal women with advanced breast cancer: a phase II study, Bastholt L; Dalmark M; Jakobsen A; et al, Acta Oncol 1990; 29: 143

whole abdominal irradiation following chemotherapy in patients with minimal residual disease after second look surgery in ovarian carcinoma, Haie C; Pejovic-Lenfant MH; George M; et al, Int J Radiat Oncol Biol Phys 1989; 17: 15

Wilms' tumour: pre- and post-chemotherapy CT appearances, Ng YY; Hall-Craggs MA; Dicks-Mireaux C; et al, Clin Radiol 1991; 43: 255

Chemotherapy, complications

antiemetic efficacy of thiethylperazine and methylprednisolone versus thiethylperazine and placebo in breast cancer patients treated with adjuvant chemotherapy (fluorouracil, doxorubicin and cyclophosphamide): a ramdomized, double-blind, cross-over trial, Diaz-Rubio E; Martin M; Rosell R; et al, Acta Oncol 1991; 30: 339

Brown-Sequard syndrome following chemotherapy and radiotherapy in breast carcinoma—a case report, Ahern V; Arthur G; Langlands AO; et al, Australas Radiol 1991; 35: 181

case report 669, Wuisman P; Erlemann R; Roessner A; et al, Skeletal Radiol 1991; 20: 294

case report: the sonographic appearance of cyclophosphamide-induced acute haemorrhagic cystitis, Kumar A; Aggarwal S, Clin Radiol 1990; 41: 289

cerebellar atrophy caused by high-dose cytosine arabinoside: CT and MR findings, Miller L; Link MP; Bologna S; et al, AJR 1989; 152: 343

complications of hepatic arterial infusion chemotherapy, Pozniak MA; Babel SG; Trump DL, Radiographics 1991; 11: 67

computed tomography of pulmonary bleomycin toxicity, Mills P; Husband J, Semin US CT MR 1990; 11: 417

cortical blindness during chemotherapy: clinical, CT, and MR correlations, Heran F; Defer G; Brugieres P; et al, JCAT 1990; 14: 262

early metabolic changes following chemotherapy of human gliomas in vivo demonstrated by phosphorus magnetic resonance spectroscopy, Arnold DL; Shoubridge EA; Emrich J; et al, Invest Radiol 1989; 24: 958

effect of prophylactic sucralfate suspension on stomatitis induced by cancer chemotherapy: a randomized, double-blind cross-over study, Pfeiffer P; Madsen EL; Hansen O; et al, Acta Oncol 1990; 29: 171

femoral infarction following intraarterial chemotherapy for osteosarcoma of the leg: a possible pitfall in magnetic resonance imaging, Ollivier L; Leclere J; Vanel D; et al, Skeletal Radiol 1991; 20: 329

gadolinium-DTPA enhanced dynamic MR imaging in the evaluation of cisplatinum nephrotoxicity, Frank JA; Choyke PL; Girton ME; et al, JCAT 1989; 13: 448

gastrointestinal complications of cytosine-arabinoside chemotherapy: findings on plain abdominal radiographs, Tjon A Tham RTO; Vlasveld LT; Willemze R, AJR 1990; 154: 95

gastrointestinal toxicity of 5-FU and 5-FUDR: radiographic findings, Hiehle JF Jr; Levine MS, J Canad Assoc Radiol 1991; 42: 109

hepatobiliary toxicity of 5-fluoro-2'-deoxyuridine: intra-arterial versus portal venous routes of infusion, Andrews JC; Kuntsen C; Terio P; et al, Invest Radiol 1991; 26: 461

heterotopic Tc-99m MDP uptake secondary to phlebitis, Karanauskas S; Starshak RJ; Sty JR, Clin Nucl Med 1991; 16: 329

hyponatraemia following cisplatin chemotherapy, Bissett D; Cornford EJ; Sokal M, Acta Oncol 1989; 28: 823

natural course of emesis after carboplatin treatment, Martin M; Diaz-Rubio E; Sánchez A; et al, Acta Oncol 1990; 29: 593

osteogenic sarcoma: MR signal abnormalities of the brain in asymptomatic patients treated with high-dose methotrexate, Lien HH; Blomlie V; Saeter G; Solheim Ø; Fosså SD, Radiology 1991; 179: 547

Pneumocystis carinii pneumonia associated with profound lymphopenia and abnormal T-lymphocyte subset ratios during treatment for early-stage breast carcinoma, (ab), Brunvand MW; Collins C; Livingston RB; et al, Radiology 1991; 181: 292

pulmonary edema as a complication of interleukin-2 therapy, Conant EF; Fox KR; Miller WT, AJR 1989; 152: 749

pulmonary toxicity of cytotoxic and immunosuppressive agents: a review, Lehne G; Lote K, Acta Oncol 1990; 29: 113

right ventricle wall motion abnormalities in patients treated with chemotherapy, Barendswaard EC; Prpic H; Van der Wall EE; et al, Clin Nucl Med 1991; 16: 513

scintigraphic findings in patients with shoulder pain caused by interleukin-2, Baron NW; Davis LP; Flaherty LE; et al, AJR 1990; 154: 327

technical note: brachial plexopathy as a complication of intraarterial cisplatin chemotherapy, Kahn CE Jr; Messersmith RN; Samuels BL, Cardiovasc Intervent Radiol 1989; 12: 47

transient reduction in serum cortisol levels after dexamethasone antiemetic therapy in cancer patients undergoing chemotherapy, Aasebø U; Slørdal L, Acta Oncol 1990; 29: 314

ultrasonographic studies on abdominal complications in patients receiving marrow-ablative chemotherapy and bone marrow or blood stem cell transplantation, Dohmen K; Harada M; Ishibashi H; et al, JCU 1991; 19: 321

Chest

See Thorax

Chiari-Budd syndrome

See Hepatic veins, thrombosis

Children

See also Infants; Infants, newborn; under names of procedures

Children, cardiovascular system

abdominal aneurysms in childhood: report of a case and review of the literature, (ab), Sarkar R; Cilley RE; Coran AG, Radiology 1991; 180: 883

aneurysm formation after repair of coarctation of the aorta, Cheng TO, Radiology 1991; 181: 905

assessment of a potentially noninvasive method for monitoring aortic blood flow in children, Lavandier B; Muchada R; Chignier E; et al, Ultrasound Med Biol 1991; 17: 107

assessment of ventricular function in infants and children: response to dobutamine infusion, Hurwitz RA; Siddiqui A; Caldwell RL; et al, Clin Nucl Med 1990; 15: 556

cerebral aneurysms in childhood and adolescence, (ab), Meyer FB; Sundt TM Jr; Fode NC; et al, Radiology 1989; 173: 888

diameters of pulmonary veins in normal children—an angiocardiographic study, Robida A, Cardiovasc Intervent Radiol 1989; 12: 307

"dilatation" of the left renal vein on computed tomography in children: a normal variant, Zerin JM; Hernandez RJ; Sedman AB; et al, Pediatr Radiol 1991; 21: 267

Doppler waveforms in the renal arteries of normal children, Friedman DM; Schacht RG, JCU 1991; 19: 387

efficacy of intraoperative transesophageal echocardiography in children with congenital heart disease, (ab), Cyran SE; Kimball TR; Meyer RA; et al, Radiology 1989; 173: 589

evaluation of paracardiac and intracardiac masses in children, Rienmüller R; Tiling R, Semin US CT MR 1990; 11: 246

extracardiac vasculature in candidates for Fontan surgery: MR imaging, Julsrud PR; Ehman RL; Hagler DJ; Ilstrup DM, Radiology 1989; 173: 503

magnetic resonance imaging of congenital heart disease in the pediatric patient, Bisset GS III, Radiol Clin North Am 1991; 29: 279

mesenteric vascular anatomy at CT: normal and abnormal appearances, Zerin JM; DiPietro MA, Radiology 1991; 179: 739

MR imaging of pediatric cardiac tumors previously diagnosed by echocardiography, Rienmüller R; Lloret JL; Tiling R; et al, JCAT 1989; 13: 621

neck and thorax venous aneurysm: association with cystic hygroma, Joseph AE; Donaldson JS; Reynolds M, Radiology 1989; 170: 109

non-specific aorto-arteritis (Takayasu's disease) in children, Sharma S; Rajani M; Shrivastava S; et al, Br J Radiol 1991; 64: 690

normal portal venous diameter in children, Patriquin HB; Perreault G; Grignon A; et al, Pediatr Radiol 1990; 20: 451

pulmonary vascularity in pediatric heart disease, Swischuk LE; Stansberry SD, J Thorac Imag 1989; 4-3: 1

repair of coarctation of the aorta in children: postoperative morphology, Pinzon JL; Burrows PE; Benson LN; Moës CAF; Lightfoot NE; Williams WG; Freedom RM, Radiology 1991; 180: 199

right aortic arch revisited, Glew D; Hartnell GG, Clin Radiol 1991; **43:** 305

tetralogy of Fallot: MR findings, Mirowitz SA; Gutierrez FR; Canter CE; Vannier MW, Radiology 1989; **171:** 207

tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; **176:** 728

traumatic aortic rupture in the pediatric population: role of plain film, CT and angiography in the diagnosis, Spouge AR; Burrows PE; Armstrong D; et al, Pediatr Radiol 1991; **21:** 324

usefulness of the Doppler mean gradient in evaluation of children with aortic valve stenosis and comparison to gradient at catheterization, (ab), Bengur AR; Snider AR; Serwer GA; et al, Radiology 1990; **175:** 294

xenon-CT cerebral blood flow evaluation of cerebral ischemia in children and young adults, Stringer WA; Hasso AN; Thompson JR; et al, JCAT 1989; **13:** 386

Children, central nervous system

bilateral arachnoid cysts of the temporal fossa in four children with glutaric aciduria type I, Hald JK; Nakstad PH; Skjeldal OH; et al, AJNR 1991; **12:** 407

delayed cerebrospinal fluid sterilization and adverse outcome of bacterial meningitis in infants and children, (ab), Lebel MH; McCracken GH Jr, Radiology 1989; **173:** 296

developmental disorders of the pediatric spine, Byrd SE; Darling CF; McLone DG, Radiol Clin North Am 1991; **29:** 711

development and aging of brain midline structures: assessment with MR imaging, Hayakawa K; Konishi Y; Matsuda T; Kuriyama M; Konishi K; Yamashita K; Okumura R; Hamanaka D, Radiology 1989; **172:** 171

development of the human cerebellum observed with high-field-strength MR imaging, Stricker T; Martin E; Boesch C, Radiology 1990; **177:** 431

diseases of the spinal canal in children: diagnosis with noncontrast CT scans, Fredericks BJ; Boldt DW; Tress BM; et al, AJNR 1989; **10:** 1233

echogenic ependymal wall in intraventricular hemorrhage: sonographic-pathologic correlation, Gaisie G; Roberts MS; Bouldin TW; et al, Pediatr Radiol 1990; **20:** 297

false-positive spinal MR findings for subarachnoid spread of primary CNS tumor in postoperative pediatric patients, Wiener MD; Boyko OB; Friedman HS; et al, AJNR 1990; **11:** 1100

heterotopic brain in the middle ear: CT findings, Klein MV; Schwaighofer BW; Sobel DF; et al, JCAT 1989; **13:** 1058

imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; **9:** 1023

indications of radiological explorations in partial epilepsy of childhood, Mancini J; Livet MO; Pinsard N, J Neuroradiol 1989; **16:** 301

intracranial tuberculosis in children: CT appearance and clinical outcome, Wallace RC; Burton EM; Barrett FF; et al, Pediatr Radiol 1991; **21:** 241

Joubert syndrome: a clinico-radiological study, Kendall B; Kingsley D; Lambert SR; et al, Neuroradiol 1990; **31:** 502

magnetic resonance imaging in partial epilepsy of childhood: seventy-nine cases, Peretti P; Raybaud C; Dravet C; et al, J Neuroradiol 1989; **16:** 308

metabolic and destructive brain disorders in children: findings with localized proton MR spectroscopy, Grodd W; Krägeloh-Mann I; Klose U; Sauter R, Radiology 1991; **181:** 173

MR assessment of myelination in infants and children: usefulness of marker sites, Bird CR; Hedberg M; Drayer BP; et al, AJNR 1989; **10:** 731

MR evaluation of brain iron in children with cerebral infarction, Cross PA; Atlas SW; Grossman RI, AJNR 1990; **11:** 341

MR evaluation of spinal dermal sinus tracts in children, Barkovich AJ; Edwards MSB; Cogen PH, AJNR 1991; **12:** 123

MR evaluation of spinal dermal sinus tracts in children, Barkovich AJ; Edwards MSB; Cogen PH, AJR 1991; **156:** 791

MR imaging appearance of childhood adrenoleukodystrophy with auditory, visual, and motor pathway involvement, Jensen ME; Sawyer RW; Braun IF; Rizzo WB, Radiographics 1990; **10:** 53

MR imaging determination of the location of the normal conus medullaris throughout childhood, Wilson DA; Prince JR, AJNR 1989; **10:** 259

MR imaging of brain maturation in normal and developmentally handicapped children, Martin E; Boesch C; Zuerrer M; et al, JCAT 1990; **14:** 685

MR imaging of periventricular leukomalacia in childhood, Flodmark O; Lupton B; Li D; et al, AJNR 1989; **10:** 111

MR imaging of the cervical cord in juvenile amyotrophy of distal upper extremity, Biondi A; Dormont D; Weitzner I Jr; et al, AJNR 1989; **10:** 263

multiple sclerosis in adolescents: CT and MR findings, Osborn AG; Harnsberger HR; Smoker WRK; et al, AJNR 1990; **11:** 489

multiple sclerosis in children: value of serial MR studies to monitor patients, Ebner F; Millner MM; Justich E, AJNR 1990; **11:** 1023

myelin disorders of childhood: correlation of MR findings and severity of neurological impairment, Dietrich RB; Vining EP; Taira RK; et al, JCAT 1990; **14:** 693

neurodegenerative diseases of childhood: MR and CT evaluation, Mirowitz SA; Sartor K; Prensky AJ; et al, JCAT 1991; **15:** 210

nuclear imaging and clinical features of childhood reflex neurovascular dystrophy: comparison with adults, (ab), Goldsmith DP; Vivino FB; Eichenfield AH; et al, Radiology 1989; **173:** 589

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

primary B-cell lymphoma of the CNS in an infant, Egelhoff JC; Beatty EC Jr, Pediatr Radiol 1989; **19:** 204

radiographic appearance of healed extremity fractures in children with spinal cord lesions, Hyre HM; Stelling CB, Skeletal Radiol 1989; **18:** 189

reflection of histology in MR imaging of Pelizaeus-Merzbacher disease, van der Knaap MS; Valk J, AJNR 1989; **10:** 99

reversal sign on CT: effect of anoxic/ischemic cerebral injury in children, Han BK; Towbin RB; De Courten-Myers G; et al, AJR 1990; **154:** 361

study of the cerebral blood flow in partial epilepsy of childhood using the SPECT method, Chiron C; Raynaud C; Dulac O; et al, J Neuroradiol 1989; **16:** 317

subgaleal dermoid cyst of the anterior fontanelle: diagnosis with sonography, Stannard MW; Currarino G, AJNR 1990; **11:** 349

volumetric quantification of brain volume in children using sequential CT scans, Hamano K; Iwasaki N; Kawashima K; et al, Neuroradiol 1990; **32:** 300

Children, endocrine glands

MR imaging of physiologic pituitary gland hypertrophy in adolescence, Doraiswamy PM; Potts JM; Figiel GS; Boyko OB; Krishnan KRR, Radiology 1991; **178:** 284

pituitary gland: MR imaging of physiologic hypertrophy in adolescence, Elster AD; Chen MYM; Williams DW III; Key LL, Radiology 1990; **174:** 681

Children, gastrointestinal tract

acute appendicitis in children: evaluation with US, Vignault F; Filiatrault D; Brandt ML; Garel L; Grignon A; Ouimet A, Radiology 1990; **176:** 501

air enema for diagnosis and reduction of intussusception: clinical experience and pressure correlates, Shiels WE II; Maves CK; Hedlund GL; Kirks DR, Radiology 1991; **181:** 169

biliary complications after transplantation in children: role of imaging modalities, Pariente D; Bihet MH; Tammam S; et al, Pediatr Radiol 1991; **21:** 175

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

computerized tomography appearances of pelvic haemangioma involving the large bowel in childhood, Yeoman LJ; Shaw D, Pediatr Radiol 1989; **19:** 414

Crohn disease in the pediatric patient: CT evaluation, Jabra AA; Fishman EK; Taylor GA, Radiology 1991; **179:** 495

detection of acute cholecystitis in children, Coughlin JR; Mann DA, J Canad Assoc Radiol 1990; **41:** 213

diffuse esophageal leiomyomatosis in a patient with Alport syndrome: CT demonstration, Rabushka LS; Fishman EK; Kuhlman JE; Hruban RH, Radiology 1991; **179:** 176

double targets sign in ultrasonic diagnosis of intussuscepted Meckel diverticulum, Itagaki A; Uchida M; Ueki K; et al, Pediatr Radiol 1991; **21:** 148

enlarged gastric folds in association with *Campylobacter pylori* gastritis, Morrison S; Dahms BB; Hoffenberg E; Czinn SJ, Radiology 1989; **171:** 819

enteric duplication cysts in children: are their ultrasonographic wall characteristics diagnostic?, Barr LL; Hayden CK Jr; Stansberry SD; et al, Pediatr Radiol 1990; **20:** 326

esophageal inflammation and stricture: complication of chronic granulomatous disease of childhood, Renner WR; Johnson JF; Lichtenstein JE; Kirks DR, Radiology 1991; **178:** 189

gastric emptying in infants and children: limited utility of 1-hour measurement, Gelfand MJ; Wagner GG, Radiology 1991; **178:** 379

gastric inflammatory pseudotumor in children, Maves CK; Johnson JF; Bove K; Malott RL, Radiology 1989; **173:** 381

ileocolic intussusception: extensive reflux of air preceding pneumatic reduction, Hedlund GL; Johnson JF; Strife JL, Radiology 1990; **174:** 187

imaging of the acute abdomen in infants and children, Franken EA Jr; Kao SCS; Smith WL; et al, AJR 1989; **153:** 921

intussusception: hydrostatic pressure equivalents for barium and meglumine sodium diatrizoate, Kuta AJ; Benator RM, Radiology 1990; **175:** 125

long-term radiographic follow-up of the Nissen fundoplication in children, Blane CE; Turnage RH; Oldham KT; et al, Pediatr Radiol 1989; **19:** 523

mesenteric vascular anatomy at CT: normal and abnormal appearances, Zerin JM; DiPietro MA, Radiology 1991; **179:** 739

metallic foreign bodies in the stomach: fluoroscopic removal with a magnetic orogastric tube, Paulson EK; Jaffe RB, Radiology 1990; **174:** 191

pediatric case of the day, Burton EM; Boulden TF; Magill HL; Seidel FG; Brooks MT; Hanna SL, Radiographics 1990; **10:** 372

pediatric case of the day, Dangman BC; Griscom NT, Radiographics 1991; **11:** 156

pediatric case of the day, Buonomo C; Griscom NT, Radiographics 1991; **11:** 1146

peptic ulcer disease in children: etiology, clinical findings, and clinical course, (ab), Drumm B; Rhoads JM; Stringer DA; et al, Radiology 1989; **171:** 592

plain film diagnosis of appendiceal perforation in children, Johnson JF; Coughlin WF, Semin US CT MR 1989; **10:** 306

radiologic and endoscopic investigation and etiologic classification of gastritis in children, Manson DE; Stringer DA; Durie PR; et al, J Canad Assoc Radiol 1990; **41:** 201

sarcoma botryoides of the common bile duct: preoperative diagnosis of coronal CT and PTC, Verstandig A; Bar-Ziv J; Abu-Dalu KI; et al, Pediatr Radiol 1991; **21:** 152

segmental dilatation of the small bowel: report of three cases and literature review, Ratcliffe J; Tait J; Lisle D; Leditschke JF; Bell J, Radiology 1989; **171:** 827

sonographic appearance of Ménétrier's disease in a child, Gassner I; Strasser K; Bart G; et al, J Ultrasound Med 1990; **9:** 537

sonographic pattern of gallbladder disease in children with sickle cell anaemia, Nzeh DA; Adedoyin MA, Pediatr Radiol 1989; **19:** 290

true clinical entity of vascular compression of the duodenum in adolescence, (ab), Marchant EA; Alvear DT; Fagelman KM, Radiology 1989; **173:** 295

ultrasound diagnosis of gastroesophageal reflux and hiatal hernia in infants and young children, Westra SJ; Wolf BHM; Staalman CR, JCU 1990; **18:** 477

ultrasound of gastroesophageal reflux in children, (ab), Westra SJ, Radiology 1990; **174:** 904

urinary tract dilatation in constipated children, Herbetko J; Hyde I, Br J Radiol 1990; **63:** 855

Children, genitourinary system

abnormal cortical appearances in pediatric renal allografts, Williams GD; Rossleigh M; Rosenberg AR; et al, J Nucl Med 1991; **32:** 1542

accuracy of ultrasonic assessment of residual urine in children, Erasmie U; Lidefelt K-J, Pediatr Radiol 1989; **19:** 388

accuracy of ultrasonic bladder volume measurement in children, Bis KG; Slovis TL, Pediatr Radiol 1990; **20:** 457

case report: xanthogranulomatous pyelonephritis in childhood, Hughes PM; Gupta SC; Thomas NB, Clin Radiol 1990; **41:** 360

childhood urolithiasis: experiences and advances, (ab), Gearhart JP; Herzberg GZ; Jeffs RD, Radiology 1991; **181:** 616

children with urinary tract infection: a critical diagnostic pathway, Brindle MJ, Clin Radiol 1990; **41:** 95

clear cell sarcoma of the kidney: CT, sonographic, and pathologic correlation, Glass RBJ; Davidson AJ; Fernbach SK, Radiology 1991; **180:** 715

cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441

cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; **177:** 326

comparison of $^{99}Tc^{m}$ dimercaptosuccinic acid scans and intravenous urography in children, Whitear P; Shaw P; Gordon I, Br J Radiol 1990; **63:** 438

conservative treatment for lower gynecological tract malignancies in children and adolescents: the Institut Gustave-Roussy experience, Gerbaulet AP; Esche BA; Haie CM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 655

contemporary imaging approach to pediatric urologic problems, Berdon WE, Radiol Clin North Am 1991; **29:** 605

CT of severe renal trauma in children: evaluation and course of healing with conservative therapy, Yale-Loehr AJ; Kramer SS; Quinlan DM; et al, AJR 1989; **152:** 109

diagnosis of acute pyelonephritis in children: comparison of sonography and ^{99m}Tc-DMSA scintigraphy, Björgvinsson E; Majd M; Eggli KD, AJR 1991; **157:** 539

diagnosis of urachal anomalies in infancy and childhood by contrast fistulography, ultrasound and CT, Nagasaki A; Handa N; Kawanami T, Pediatr Radiol 1991; **21:** 321

Doppler evaluation of renal transplants in children: a prospective analysis with histopathologic correlation, Drake DG; Day DL; Letourneau JG; et al, AJR 1990; **154:** 785

Doppler examination of the kidney in infants and children, Patriquin H, Urol Radiol 1991; **12:** 220

echogenic renal pyramids in children, Jequier S; Kaplan BS, JCU 1991; **19:** 85

hypothesis: reduced renal mass with glomerular hyperfiltration, a cause of renal hyperechogenicity in children, Avni EF; Van Sinoy M-L; Hall M; et al, Pediatr Radiol 1989; **19:** 108

imaging of children with urinary tract infection: a tailored approach, Ben-Ami T; Rozin M; Hertz M, Clin Radiol 1989; **40:** 64

imaging of pediatric ovarian masses, Surratt JT; Siegel MJ, Radiographics 1991; **11:** 533

imaging of uterovaginal anomalies in the pediatric patient, Shatzkes DR; Haller JO; Velcek FT, Urol Radiol 1991; **13:** 58

influence of urography on renal function in children: a double blind study with metrizoate and iohexol, Stake G; Monn E; Rootwelt K; et al, Acta Radiol 1989; **30:** 643

influence of vesicoureteral reflux and urinary tract infection on renal growth in children with upper urinary tract duplication, Hannerz L; Wikstad I; Celsi G; et al, Acta Radiol 1989; **30:** 391

interobserver and intraobserver variations in sonographic renal length measurements in children, Schlesinger AE; Hernandez RJ; Zerin JM; et al, AJR 1991; **156:** 1029

intravenous pyelography in children with urinary tract infection and vesicoureteral reflux, (ab), Alon U; Berant M; Pery M, Radiology 1989; **173:** 296

malignant rhabdoid tumor of the kidney: radiologic features, Sisler CL; Siegel MJ, Radiology 1989; **172:** 211

misleading appearances of the bladder on pediatric genitourinary imaging, Orzel JA; Weinberger E, Clin Nucl Med 1990; **14:** 671

natural history of reflux in the lower pole of duplicated collecting systems: a controlled study, Ben-Ami T; Gayer G; Hertz M; et al, Pediatr Radiol 1989; **19:** 308

nuclear cystography and renal sonography: findings in girls with urinary tract infection, Strife JL; Bisset GS III; Kirks DR; et al, AJR 1989; **153:** 115

occult ectopic ureter in girls with urinary incontinence: diagnosis by using CT, Braverman RM; Lebowitz RL, AJR 1991; **156:** 365

optimal use of ^{99m}technetium-glucoheptonate scintigraphy in the detection of pyelonephritic scarring in children: a preliminary report, (ab), Shapiro E; Slovis TL; Perlmutter AD; et al, Radiology 1989; **172:** 591

pediatric case of the day, Brooks MT; Magill HL; Hanna SL; Fletcher BD; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 1096

pediatric gynecologic sonography, Siegel MJ, Radiology 1991; **179:** 593

quantitative assessment of blood flow in pediatric recipients of renal transplants, Ash J; DeSouza M; Peters M; et al, J Nucl Med 1990; **31:** 580

quantitative microfacal radiography of children with renal osteodystrophy; comparison with laboratory and histological findings, Buckland-Wright JC; Spring MW; Mak RHK; et al, Br J Radiol 1990; **63:** 609

radiographic evaluation of subureteric injection of Teflon to correct vesicoureteral reflux, Gore MD; Fernbach SK; Donaldson JS; et al, AJR 1989; **152:** 115

renal atrophy or infarction in children with neuroblastoma, Day DL; Johnson RT; Odrezin GT; Woods WG; Alford BA, Radiology 1991; **180:** 493

renal ultrasound and excretory urography in infants and young children with urinary tract infection, Kenda R; Kenig T; Šilc M; et al, Pediatr Radiol 1989; **19:** 299

role of ultrasound in the management of ovarian masses in children, Thind CR; Carty HML; Pilling DW, Clin Radiol 1989; **40:** 180

size of the renal pelvis on ultrasonography in children, Tsai T-C; Lee H-C; Huang F-Y, JCU 1989; **17:** 647

sonography of complications in pediatric renal allografts, Surratt JT; Siegel MJ; Middleton WD, Radiographics 1990; **10:** 687

sonography of the simple and complicated ipsilateral fused kidney, Lubat E; Hernanz-Schulman M; Genieser NB; et al, J Ultrasound Med 1989; **8:** 109

spontaneous extraperitoneal rupture of the urinary bladder in children, Zerin JM; Lebowitz RL, Radiology 1989; **170:** 487

stenosing hemorrhagic ureteritis in a child with Henoch-Schönlein purpura: CT appearance, Smet M-H; Marchal G; Oyen R; et al, JCAT 1991; **15:** 326

sting procedure and its complications: sonographic evaluation, Giuliano CT; Cohen HL; Haller JO; et al, JCU 1990; **18:** 415

^{99m}Tc dimercaptosuccinic acid (DMSA) scan as first investigation of urinary tract infection, (ab), Verber IG; Strudley MR; Meller ST, Radiology 1989; **172:** 296

^{99m}Tc-DMSA scintigraphy in acute urinary tract infection in children, Verboven M; Ingels M; Delree M; et al, Pediatr Radiol 1990; **20:** 540

ultrasound findings in diffuse granulomatous cystitis in chronic granulomatous disease of childhood, Speirs RT; Raghavendra BN; Rausen A; et al, Urol Radiol 1990; **12:** 106

untreated bacteriuria in asymptomatic girls with renal scarring, (ab), Hanson S; Jodal U; Norén L; et al, Radiology 1990; **175:** 887

urachal remnants in asymptomatic children: sonographic morphology, Leicher-Düber A; Schumacher R, Pediatr Radiol 1991; **21:** 200

urachal remnants: sonographic demonstration in children, Cacciarelli AA; Kass EJ; Yang SS, Radiology 1990; **174:** 473

urinary tract dilatation in constipated children, Herbetko J; Hyde I, Br J Radiol 1990; **63:** 855

urinary tract infection in paediatrics: the role of diagnostic imaging, Gordon I, Br J Radiol 1990; **63:** 507

vesicoureteral reflux in boys, Schoeneman MJ; Goldfarb CR; Ongseng F; Finestone H, Radiology 1990; **176:** 288

vesicoureteral reflux in boys: reply, Ben-Ami T, Radiology 1990; **176:** 289

vesicoureteral reflux in boys: review of 196 cases, Ben-Ami T; Sinai L; Hertz M; Boichis H, Radiology 1989; **173:** 681

vesicoureteral reflux simulating renal function: CT appearance, Hertz M; Rubinstein ZJ; Apter S, Pediatr Radiol 1991; **21:** 106

vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; **175:** 355

voiding cystourethrography as a predictor of reflux nephropathy in children with urinary-tract infection, Hellström M; Jacobsson B; Mårild S; et al, AJR 1989; **152:** 801

xanthogranulomatous pyelonephritis in children: analysis by diagnostic modalities, Zafaranloo S; Gerard PS; Bryk D, Urol Radiol 1990; **12:** 18

Children, injuries

abdominal CT in children with neurologic impairment following blunt trauma: abdominal CT in comatose children, (ab), Taylor GA; Eichelberger MR, Radiology 1990; **174:** 591

apical oblique view of the clavicle: its usefulness in neonatal and childhood trauma, Weinberg B; Seife B; Alonso P, Skeletal Radiol 1991; **20:** 201

battered child, (ab), Kleinman PK; Genieser N, Radiology 1991; **178:** 591

blunt pancreatic injuries in children: the role of percutaneous external drainage in the treatment of pancreatic pseudocysts, (ab), Bass J; Di Lorenzo M; Desjardins JG; et al, Radiology 1989; **171:** 296

blunt renal and ureteral trauma in childhood: CT patterns of fluid collections, Siegel MJ; Balfe DM, AJR 1989; **152:** 1043

blunt trauma in children: significance of peritoneal fluid, Sivit CJ; Taylor GA; Bulas DI; Bowman LM; Eichelberger MR, Radiology 1991; **178:** 185

bone scintigraphy in the evaluation of extraskeletal injuries from child abuse, Howard JL; Barron BJ; Smith GG, Radiographics 1990; **10:** 67

chest injury in children with blunt abdominal trauma: evaluation with CT, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **171:** 815

children riding in the back of pickup trucks: a neglected safety issue, (ab), Woodward GA; Bolte RG, Radiology 1991; **179:** 592

congenital indifference to pain mistaken for non-accidental injury, Spencer JA; Grieve DK, Br J Radiol 1990; **63:** 308

CT evaluation of blunt abdominal trauma in children: comparison of ultrafast and conventional CT, Brody AS; Seidel FG; Kuhn JP, AJR 1989; 153: 803

CT of an actively-hemorrhaging liver laceration in a 9-year-old child, Whitten C; Grimes C; Isler R; et al, Pediatr Radiol 1990; 20: 558

CT of blunt abdominal trauma in children, Taylor GA; Guion CJ; Potter BM; et al, AJR 1989; 153: 555

diagnostic imaging of pediatric skeletal trauma, Resnik CS, Radiol Clin North Am 1989; 27: 1013

differentiation of child abuse and osteogenesis imperfecta: medical and legal implications, Kleinman PK, AJR 1990; 154: 1047

differentiation of child abuse from osteogenesis imperfecta, Ablin DS; Greenspan A; Reinhart MA; et al, AJR 1990; 154: 1035

esophageal perforation with mediastinal abscess in child abuse, Ablin DS; Reinhart MA, Pediatr Radiol 1990; 20: 524

gastric hematoma and pneumatosis in child abuse, Fulcher AS; Das Narla L; Brewer WH, AJR 1990; 155: 1283

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; 173: 653

hematuria: a marker of abdominal injury in children after blunt trauma, (ab), Taylor GA; Eichelberger MR; Potter BM, Radiology 1989; 172: 591

hematuria and clinical findings as indications for intravenous pyelography in pediatric blunt renal trauma, (ab), Lieu TA; Fleisher GR; Mahboubi S; et al, Radiology 1989; 170: 903

hepatic parenchymal and subcapsular gas after hepatic laceration caused by blunt abdominal trauma, Abramson SJ; Berdon WE; Kaufman RA; et al, AJR 1989; 153: 1031

"hole in a rib" as a sign of child abuse, Magid N; Glass T, Pediatr Radiol 1990; 20: 334

indications for computed tomography in children with blunt abdominal trauma, (ab), Taylor GA; Eichelberger MR; O'Donnell R; et al, Radiology 1991; 181: 296

is CT useful in the traumatized pediatric elbow?, Blickman JG; Dunlop RW; Sanzone CF; et al, Pediatr Radiol 1990; 20: 184

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; 173: 609

pediatric abdominal trauma: evaluation by computed tomography, (ab), Kane NM; Cronan JJ; Dorfman GS; et al, Radiology 1989; 170: 591

percutaneous drainage of traumatic pancreatic pseudocysts in children, Jaffe RB; Arata JA Jr; Matlak ME, AJR 1989; 152: 591

posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A, Radiology 1990; 175: 767

reversal sign on CT: effect of anoxic/ischemic cerebral injury in children, Han BK; Towbin RB; De Courten-Myers G; et al, AJNR 1989; 10: 1191

safety-belt injuries in children with lap-belt ecchymosis: CT findings in 61 patients, Sivit CJ; Taylor GA; Newman KD; et al, AJR 1991; 157: 111

significance of hematuria in children after blunt abdominal trauma, Stalker HP; Kaufman RA; Stedje K, AJR 1990; 154: 569

sonographically detected costo-chondral dislocation in an abused child: a new sonographic sign to the radiological spectrum of child abuse, Smeets AJ; Robben SGF; Meradji M, Pediatr Radiol 1990; 20: 566

three-wheel and four-wheel all-terrain vehicle injuries in children, (ab), Dolan MA; Knapp JF; Andres J, Radiology 1990; 175: 294

toddler's cuboid fracture, Blumberg K; Patterson RJ, Radiology 1991; 179: 93

value of CT in detecting bowel perforation in children after blunt abdominal trauma, Bulas DI; Taylor GA; Eichelberger MR, AJR 1989; 153: 561

visceral injury in battered children: a changing perspective, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; 173: 659

Children, lymphatic system

lymph node enlargement as a sign of acute hepatitis A in children, Toppet V; Souayah H; Delplace O; et al, Pediatr Radiol 1990; 20: 249

neck and thorax venous aneurysm: association with cystic hygroma, Joseph AE; Donaldson JS; Reynolds M, Radiology 1989; 170: 109

Children, neoplasms

See Neoplasms, in infants and children

Children, radiography

See Radiography, in infants and children

Children, respiratory system

bronchopulmonary dysplasia: radiographic appearance in middle childhood, Griscom NT; Wheeler WB; Sweezey NB; Kim YC; Lindsey JC; Wohl MEB, Radiology 1989; 171: 811

CT appearance of cystic adenomatoid malformations, Shackelford GD; Siegel MJ, JCAT 1989; 13: 612

CT measurement of the tracheal lumen in children and adolescents, Griscom NT, AJR 1991; 156: 371

CT of congenital malformations of the lung, Mata JM; Cáceres J; Lucaya J; Garcia-Conesa JA, Radiographics 1990; 10: 651

diagnosis of pulmonary hemosiderosis by MR imaging, Rubin GD; Edwards DK III; Reicher MA; et al, AJR 1989; 152: 573

hilar enlargement in respiratory syncytial virus pneumonia, Odita JC; Nwankwo M; Aghahowa JE, Eur J Radiol 1989; 9: 155

imaging of pediatric mediastinal histoplasmosis, Kirchner SG; Hernanz-Schulman M; Stein SM; Wright PF; Heller RM, Radiographics 1991; 11: 365

laryngotracheobronchial cartilage calcification in children: a case report and review of the literature, Santos JMG, Pediatr Radiol 1991; 21: 377

magnetic resonance imaging of the pediatric airway: compared with findings at surgery and/or endoscopy, Auringer ST; Bisset GS III; Myer CM III, Pediatr Radiol 1991; 21: 329

malignant neoplasms arising in cystic hamartomas of the lung in childhood, Hedlund GL; Bisset GS III; Bove KE, Radiology 1989; 173: 77

metastatic pulmonary calcifications after cardiac surgery in children, Mani TM; Lallemand D; Corone S; Mauriat P, Radiology 1990; 174: 463

modified Blalock Taussig shunt anastomosis in a three month old child with pulmonary stenosis: embolization therapy, Dubois J; Cohen L; Brunelle F; et al, Pediatr Radiol 1991; 21: 198

MRI in tracheal stenosis by innominate artery in children, Vogl TJ; Wilimzig C; Hofmann U; et al, Pediatr Radiol 1991; 21: 89

MR imaging in pediatric airway obstruction, Vogl TJ; Wilimzig C; Bilaniuk LT; et al, JCAT 1990; 14: 182

mycoplasmal pneumonias in childhood: roentgen features, differential diagnosis and review of literature, Gückel C; Benz-Bohm G; Widemann B, Pediatr Radiol 1989; 19: 499

pediatric case of the day, Fernbach SK, Radiographics 1990; 10: 513

percutaneous biopsy of thoracic lesions in children, Hoffer FA; Kozakewich H; Shamberger RC, Cardiovasc Intervent Radiol 1990; 13: 32

pleural lipoma in a child—CT evaluation, Storey TF; Narla LD, Pediatr Radiol 1991; 21: 141

pneumonia in children, Condon VR, J Thorac Imag 1991; 6-3: 31

postpneumonectomy syndrome after left lung resection, Quillin SP; Shackelford GD, Radiology 1991; 179: 100

pulmonary blastoma: a rare childhood malignancy, Senac MO Jr; Wood BP; Isaacs H; Weller M, Radiology 1991; 179: 743

pulmonary sequestration and related congenital disorders: a clinico-radiological review of 41 cases, John PR; Beasley SW; Mayne V, Pediatr Radiol 1989; 20: 4

pulmonary ventilation and perfusion abnormalities and ventilation perfusion imbalance in children with pulmonary atresia or extreme Tetralogy of Fallot, Dowdle SC; Human DG; Mann MD, J Nucl Med 1990; 31: 1276

quantitative density-time measurements in the lungs of children with suspected airway obstruction using ultrafast CT, Ringertz HG; Brasch RC; Gooding CA; et al, Pediatr Radiol 1989; 19: 366

radionuclide salivagram for detecting the pulmonary aspiration of saliva in an infant, Heyman S, Pediatr Radiol 1989; 19: 208

respiratory insufficiency following chloral hydrate sedation in two children with Leigh disease (subacute necrotizing encephalomyelopathy), Greenberg SB; Faerber EN, Pediatr Radiol 1990; 20: 287

tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; 176: 728

upper respiratory tract infections in young children: duration and frequency of complications, (ab), Wald ER; Guerra N; Byers C, Radiology 1991; 180: 592

Children, skeletal system

acute osteomyelitis in children: reassessment of etiologic agents and their clinical characteristics, (ab), Faden H; Grossi M, Radiology 1991; 181: 296

advanced pediatric joint imaging, Kleinman PK; Spevak MR, Radiol Clin North Am 1990; 28: 1073

aneurysmal bone cyst of the spine in children. MRI imaging at 0.5 tesla, Caro PA; Mandell GA; Stanton RP, Pediatr Radiol 1991; 21: 114

bone mass in healthy children: measurement with quantitative DXA, Southard RN; Morris JD; Mahan JD; Hayes JR; Torch MA; Sommer A; Zipf WB, Radiology 1991; 179: 735

bone scintigraphy in calcific discitis of childhood, Delpassand ES; Barron BJ; Gundzik JM, J Nucl Med 1990; 31: 234

'cold hip' sign on bone scan: a retrospective review, Uren RF; Howman-Giles R, Clin Nucl Med 1991; 16: 553

common causes of low back pain in children, Afshani E; Kuhn JP, Radiographics 1991; 11: 269

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; 170: 99

computed tomographic assessment of vertebral bone mineral in childhood, Fredericks BJ; de Campo JF; Sephton R; et al, Skeletal Radiol 1990; 19: 99

craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; 173: 669

craniosynostosis: image quality, confidence, and correctness in diagnosis, Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; 173: 675

developing spinal column: gadolinium-enhanced MR imaging, Sze G; Bravo S; Baierl P; Shimkin PM, Radiology 1991; 180: 497

diagnostic imaging of pediatric skeletal trauma, Resnik CS, Radiol Clin North Am 1989; 27: 1013

diagnostic utility of lower extremity radiographs of young children with gait disturbance, (ab), Blatt SD; Rosenthal BM; Barnhart DC, Radiology 1991; 180: 592

distribution of physeal and nonphyseal fractures in 2,650 long-bone fractures in children aged 0–16 years, (ab), Mann DC; Rajmaira S, Radiology 1991; 179: 888

enigma of stress fractures in the pediatric age: clarification or confusion through the new imaging modalities, Horev G; Korenreich L; Ziv N; et al, Pediatr Radiol 1990; 20: 469

eosinophilic granuloma of the temporal bone: radiological approach in the pediatric patient, Hadjigeorgi C; Parpounas C; Zarmakoupis P; et al, Pediatr Radiol 1990; 20: 546

epiphyseal involvement in osteosarcoma, Norton KI; Hermann G; Abdelwahab IF; Klein MJ; Granowetter LF; Rabinowitz JG, Radiology 1991; **180:** 813

focal fibrocartilaginous dysplasia associated with tibia vara, Herman TE; Siegel MJ; McAlister WH, Radiology 1990; **177:** 767

high-resolution hip ultrasound in the limping child, Alexander JE; Seibert JJ; Glasier CM; et al, JCU 1989; **17:** 19

hip pain in three children accompanied by transient abnormal findings on MR images, Pay NT; Singer WS; Bartal E, Radiology 1989; **171:** 147

inflammatory metachronous hyperostosis of the clavicle and femur in children: report of two cases, one with long-term follow-up, Eftekhari F; Jaffe N; Schwegel D; et al, Skeletal Radiol 1989; **18:** 9

inherited diseases of bone density in children, Herman TE; McAlister WH, Radiol Clin North Am 1991; **29:** 149

juvenile Paget's disease—a case report, Saraf SK; Gupta SK, Australas Radiol 1989; **33:** 189

low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Bellah RD; Summerville DA; Treves ST; Micheli LJ, Radiology 1991; **180:** 509

magnetic resonance differentiation of acute and chronic osteomyelitis in children, Cohen MD; Cory DA; Kleiman M; et al, Clin Radiol 1990; **41:** 53

marrow conversion before pneumatization of the sphenoid sinus: assessment with MR imaging, Aoki S; Dillon WP; Barkovich AJ; Norman D, Radiology 1989; **172:** 373

massive florid reactive periostitis, Nance KV; Renner JB; Brashear HR; et al, Pediatr Radiol 1990; **20:** 186

MR of childhood calcified herniated cervical disk with spontaneous resorption, Lester JW Jr; Miller WA; Carter MP; et al, AJNR 1989; **10:** S48

normative data for lumbar spine bone mineral content in children: influence of age, height, weight, and pubertal stage, De Schepper J; Derde MP; Van den Broeck M; et al, J Nucl Med 1991; **32:** 216

osteomyelitis of the talus: an unusual cause of limping in childhood, Grattan-Smith JD; Wagner ML; Barnes DA, AJR 1991; **156:** 785

osteomyelitis of the tarsal bones in children, Ackerman T; Reed MH, J Canad Assoc Radiol 1990; **41:** 69

osteosarcoma: MR imaging after preoperative chemotherapy, Pan G; Raymond AK; Carrasco CH; Wallace S; Kim EE; Shirkhoda A; Jaffe N; Murray JA; Benjamin RS, Radiology 1990; **174:** 517

pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345

pitfalls in ultrasonography of hip joint synovitis in the child, Egund N; Wingstrand H, Acta Radiol 1989; **30:** 375

posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A, Radiology 1990; **175:** 767

primary spondylolysis of the axis vertebra (C2) in three children, including one with pyknodysostosis, Currarino G, Pediatr Radiol 1989; **19:** 535

radiographic imaging for Ilizarov limb lengthening in children, Blane CE; Herzenberg JE; DiPietro MA, Pediatr Radiol 1991; **21:** 117

red and yellow marrow in the femur: age-related changes in appearance at MR imaging, Moore SG; Dawson KL, Radiology 1990; **175:** 219

role of bone scintigraphy in predicting femoral head collapse following cervical fractures in children, Mortensson W; Rosenborg M; Gretzer H, Acta Radiol 1990; **31:** 291

scintigraphy in the diagnosis of occult fractures of the calcaneus, Moss EH; Carty H, Skeletal Radiol 1990; **19:** 575

sonography of the painful hip in children: 500 consecutive cases, Miralles M; Gonzalez G; Pulpeiro JR; et al, AJR 1989; **152:** 579

spondylometaphyseal dysplasia, corner fracture type: a heritable condition associated with coxa vara, Langer LO Jr; Brill PW; Ozonoff MB; Pauli RM; Wilson WG; Alford BA; Pavlov H; Drake DG, Radiology 1990; **175:** 761

subperiosteal abscess in children: scintigraphic appearance, Allwright SJ; Miller JH; Gilsanz V, Radiology 1991; **179:** 725

subtalar joint coalition in children: new observations, Lee MS; Harcke HT; Kumar SJ; Bassett GS, Radiology 1989; **172:** 635

ultrasound in advanced pediatric osteomyelitis: a report of 5 cases, Williamson SL; Seibert JJ; Glasier CM; et al, Pediatr Radiol 1991; **21:** 288

Chloroma

granulocytic sarcoma, Jakobiec FA, AJNR 1991; **12:** 263

granulocytic sarcoma (chloroma): sphenoidal sinus and paraspinal involvement as evaluated by CT and MR, Freedy RM; Miller KD Jr, AJNR 1991; **12:** 259

MR appearance of intracranial chloromas, Leonard KJ; Mamourian AC, AJNR 1989; **10:** S67

MR of soft tissue chloroma in a patient presenting with left pubic and hip pain, Turner RM; Peck WW; Prietto C, JCAT 1991; **15:** 700

orbital granulocytic sarcoma, Banna M; Aur R; Akkad S, AJNR 1991; **12:** 255

unilateral ureteral obstruction in a patient with acute leukemia, Blumenthal D; Russo P; Orr J, Urol Radiol 1990; **12:** 61

Cholangiography

See Bile duct radiography

Cholangitis

ascending cholangitis: surgery versus endoscopic or percutaneous drainage, (ab), Himal HS; Lindsay T, JVIR 1991; **2:** 299

bile duct diverticula and webs: nonspecific cholangiographic features of primary sclerosing cholangitis, Gulliver DJ; Baker ME; Putnam W; et al, AJR 1991; **157:** 281

cholangitis associated with cholecystitis in patients with acquired immunodeficiency syndrome, (ab), Iannuzzi C; Belghiti J; Erlinger S; et al, JVIR 1991; **2:** 297

cholescintigraphy in AIDS-related cholangitis: a case report, Kolin E; Mena IG, Clin Nucl Med 1990; **14:** 725

cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; **180:** 51

diagnosis of sclerosing cholangitis with technetium 99m-labeled iminodiacetic acid planar and single photon emission computed tomographic scintigraphy, (ab), Rodman CA; Keeffe EB; Lieberman DA; et al, Radiology 1989; **170:** 899

evaluation of recurrent pyogenic cholangitis with CT: analysis of 50 patients, Chan F-L; Man S-W; Leong LLY; Fan S-T, Radiology 1989; **170:** 165

floxuridine-associated sclerosing cholangitis: a dog model, Andrews JC; Knol JA; Wollner I; et al, Invest Radiol 1989; **24:** 47

Gianturco expandable metallic biliary stents: results of a European clinical trial, Irving JD; Adam A; Dick R; Dondelinger RF; Lunderquist A; Roche A, Radiology 1989; **172:** 321

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

lymphoplasmacytic sclerosing pancreatitis with cholangitis: a variant of primary sclerosing cholangitis extensively involving pancreas, (ab), Kawaguchi K; Koike M; Tsuruta K; et al, Radiology 1991; **181:** 291

occlusion of biliary endoprostheses: presentation and management, Lee MJ; Mueller PR; Saini S; Morrison MC; Brink JA; Hahn PF, Radiology 1990; **176:** 531

oriental cholangiohepatitis: pathologic, clinical, and radiologic features, Lim JH, AJR 1991; **157:** 1

oriental cholangiohepatitis: sonographic findings in 48 cases, Lim JH; Ko YT; Lee DH; et al, AJR 1990; **155:** 511

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

primary sclerosing cholangitis: a modified classification of cholangiographic findings, Majoie CBLM; Reeders JWAJ; Sanders JB; et al, AJR 1991; **157:** 495

primary sclerosing cholangitis and celiac disease: a novel association, (ab), Hay JE; Wiesner RH; Shorter RG; et al, Radiology 1989; **172:** 290

radiological features of AIDS related cholangitis, McCarty M; Choudhri AH; Helbert M; et al, Clin Radiol 1989; **40:** 582

sclerosing cholangitis: palliation with percutaneous cholangioplasty, Skolkin MD; Alspaugh JP; Casarella WJ; Chuang VP; Galambos JT, Radiology 1989; **170:** 199

septic shock after percutaneous transhepatic drainage of obstructed afferent loop: case report, Morita S; Takemura T; Matsumoto S; et al, Cardiovasc Intervent Radiol 1989; **12:** 66

sonographic diagnosis of cholangitis in AIDS patients, Defalque D; Menu Y; Girard P-M; et al, Gastrointest Radiol 1989; **14:** 143

Cholecystitis

acalculous cholecystitis complicating hepatic intraarterial lipiodol: case report, Yeung E; Jackson J; Finn JP; et al, Cardiovasc Intervent Radiol 1989; **12:** 80

acalculous hypersensitivity cholecystitis: hypothesis of a new clinicopathologic entity, (ab), Parry SW; Pelias ME; Browder W, Radiology 1989; **171:** 881

acute acalculous cholecystitis in critically injured patients: preoperative diagnostic imaging, (ab), Cornwell EE III; Rodriguez A; Mirvis SE; et al, Radiology 1990; **174:** 585

acute cholecystitis in a patient with situs inversus, Moreno AJ; Toney MAO; Henry CD; et al, Clin Nucl Med 1990; **15:** 350

acute gangrenous cholecystitis due to metastatic melanoma detected by cholescintigraphy, Velchik MG, Clin Nucl Med 1989; **14:** 327

cholangitis associated with cholecystitis in patients with acquired immunodeficiency syndrome, (ab), Iannuzzi C; Belghiti J; Erlinger S; et al, JVIR 1991; **2:** 297

cholecystokinin sonography: lack of utility in diagnosis of acute acalculous cholecystitis, Raduns K; McGahan JP; Beal S, Radiology 1990; **175:** 463

cholescintigraphy for acute cholecystitis: false positive results caused by chronic cholecystitis, Klingensmith WC III; Turner WM, Gastrointest Radiol 1990; **15:** 129

computed tomography as an adjunct to ultrasound in the diagnosis of acute acalculous cholecystitis, Blankenberg F; Wirth R; Jeffrey RB Jr; et al, Gastrointest Radiol 1991; **16:** 149

cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; **180:** 51

delayed biliary-to-bowel transit in chilescintigraphy after cholecystokinin treatment, Kim CK; Palestro CJ; Solomon RW; Molinari DS; Lee SO; Goldsmith SJ, Radiology 1990; **176:** 553

delayed visualization of the gallbladder with a rim sign: an unusual finding in chronic cholecystitis, Lowry PA; Tran HD, Clin Nucl Med 1991; **16:** 1

detection of acute cholecystitis in children, Coughlin JR; Mann DA, J Canad Assoc Radiol 1990; **41:** 213

diagnosis of acute cholecystitis by cholescintigraphy: significance of pericholecystic hepatic uptake, Swayne LC; Ginsberg HN, AJR 1989; **152:** 1211

diagnosis of acute complicated cholecystitis by Tc-99m sulfur colloid liver imaging, Weisgrau RA; Guiberteau MJ, Clin Nucl Med 1990; **15:** 240

does the gallbladder have a future?, Martin EC; Getrajdman GI, Radiology 1989; **170:** 969

empyema of the gallbladder in a patient with AIDS-related complex, Yao L; Scialdone C, Clin Imag 1990; **14:** 157

false-negative morphine-augmented biliary image, Conrad MR; Goldfarb AL; Weaver AA, Clin Nucl Med 1989; **14:** 625

gallbladder perforation and bile leakage: percutaneous treatment, vanSonnenberg E; D'Agostino HB; Casola G; Hoyt DB; Lurie A; Varney RR, Radiology 1991; **178:** 687

increasing prevalence of acalculous cholecystitis in outpatients: results of a 7-year study, (ab), Savoca PE; Longo WE; Zucker KA; et al, Radiology 1990; **177:** 595

indium-111-leukocyte imaging in acute cholecystitis, Fink-Bennett D; Clarke K; Tsai D; et al, J Nucl Med 1991; **32:** 803

interventional radiology in the gallbladder: diagnosis, drainage, dissolution, and management of stones, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Ainge GD, Radiology 1990; **174:** 1

morphine-augmented cholescintigraphy in acute cholecystitis: a satisfactory alternative to delayed imaging, Kistler AM; Ziessman HA; Gooch D; et al, Clin Nucl Med 1991; **16:** 404

morphine-augmented cholescintigraphy: its efficacy in detecting acute colecystitis, Fink-Bennett D; Balon HR; Robbins T; et al, J Nucl Med 1991; **32:** 1231

morphine-augmented hepatobiliary scintigraphy in the severely ill: caution is in order, Fig LM; Wahl RL; Stewart RE; Shapiro B, Radiology 1990; **175:** 467

percutaneous cholecystolithotomy: preliminary experience and technical considerations, Picus D; Marx MV; Hicks ME; Lang EV; Edmundowicz SA, Radiology 1989; **173:** 487

percutaneous cholecystostomy: an alternative to surgical cholecystostomy for acute cholecystitis?, McGahan JP; Lindfors KK, Radiology 1989; **173:** 481

percutaneous cholecystostomy drainage for the treatment of acute emphysematous cholecystitis, Vingan HL; Wohlgemuth SD; Bell JS III, AJR 1990; **155:** 1013

percutaneous cholecystostomy in critically ill patients, Teplick SK; Harshfield DL; Brandon JC; et al, Gastrointest Radiol 1991; **16:** 154

percutaneous cholecystostomy in the diagnosis and treatment of acute cholecystitis in the high-risk patient, (ab), Werbel GB; Nahrwold DL; Joehl RJ; et al, Radiology 1990; **175:** 587

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

pericholecystic abscess: classification of US findings to determine the proper therapy, Takada T; Yasuda H; Uchiyama K; Hasegawa H; Asagoe T; Shikata J, Radiology 1989; **172:** 693

pitfalls and differential diagnosis in biliary sonography, Rosenthal SJ; Cox GG; Wetzel LH; Batnitzky S, Radiographics 1990; **10:** 285

radionuclide angiography in suspected acute cholecystitis: further observations, Colletti PM; Cirimelli KM; Radin DR; et al, Clin Nucl Med 1989; **14:** 867

sonographic diagnosis of acute gangrenous cholecystitis: importance of the Murphy sign, Simeone JF; Brink JA; Mueller PR; et al, AJR 1989; **152:** 289

ultrasonic demonstration of an intraluminal pseudomembrane in the gallbladder: a definitive sign of acute cholecystitis?, Le Cheong L; Khan AN; Armstrong GR, JCU 1989; **17:** 449

ultrasound diagnosis of gallbladder perforation in a case of xanthogranulomatous cholecystitis, Houston JP; Sampson MA; Collins MC, Br J Radiol 1989; **62:** 273

ultrasound spectrum of emphysematous cholecystitis, Bloom RA; Libson E; Lebensart PD; et al, JCU 1989; **17:** 251

Cholecystography
See Gallbladder, radiography

Cholecystokinin
See Hormones

Cholecystosonography
See Gallbladder, US

Cholecystostomy
See Gallbladder, interventional procedure

Cholelithiasis
See Gallbladder, calculi

Cholescintigraphy
See Gallbladder, radionuclide studies

Cholesteatoma
anterior epitympanic cholesteatoma with facial paralysis: a characteristic growth pattern, (ab), Chu FWK; Jackler RK, Radiology 1989; **170:** 293

cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521

chronic inflammatory disease of the middle ear cavities: Gd-DTPA-enhanced MR imaging, Martin N; Sterkers O; Nahum H, Radiology 1990; **176:** 399

imaging cholesteatoma, Phelps PD; Wright A, Clin Radiol 1990; **41:** 156

middle ear cholesteatoma extending into the petrous apex: evaluation by CT and MR imaging, Ishii K; Takahashi S; Matsumoto K; et al, AJNR 1991; **12:** 719

Cholesterol
case report: cholesterol embolization following angiography, Henderson MJ; Manhire AR, Clin Radiol 1990; **42:** 281

cholesterol emboli after cardiac catheterization: eight cases and a review of the literature, (ab), Colt HG; Begg RJ; Saporito JJ; et al, Radiology 1989; **172:** 293

cholesterol embolism: experience with 22 histologically proven cases, (ab), Dahlberg PJ; Frecentese DF; Cogbill TH, Radiology 1990; **174:** 294

cholesterol granuloma of the frontal bone: CT diagnosis, Eijpe AA; Koornneef L; Verbeeten B; et al, JCAT 1990; **14:** 914

cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521

comet-tail artifact from cholesterol crystals: observations in the postlithotripsy gallbladder and an in vitro model, Shapiro RS; Winsberg F, Radiology 1990; **177:** 153

diagnostic accuracy and pitfalls of [iodine-131]6-beta-iodomethyl-19-norcholesterol (NP-59) imaging, Kazeroori EA; Sisson JC; Shapiro B; et al, J Nucl Med 1990; **31:** 526

giant cholesterol cysts of the petrous apex, (ab), Sataloff RT; Myers DL; Roberts B-R; et al, Radiology 1989; **170:** 589

lipoprotein incorporation enhances radioiodinated cholesteryl ester uptake into steroid hormone-secreting tissues, Counsell RE; Schwendner SW; Gross MD; et al, J Nucl Med 1989; **30:** 1088

nephrocalcinosis in homozygous familial hypercholesterolemia: ultrasound and CT findings, Hill SC; Hoeg JM; Avila NA, JCAT 1991; **15:** 101

predicting gallstone composition with CT: in vivo and in vitro analysis, Brakel K; Laméris JS; Nijs HGT; Terpstra OT; Steen G; Blijenberg BC, Radiology 1990; **174:** 337

Chondroblastoma
See Chondroma

Chondrocalcinosis
chondrocalcinosis in surgically resected joints, (ab), Sokoloff L; Varma AA, Radiology 1989; **170:** 588

osteophytosis of the knee: anatomic, radiologic, and pathologic investigation, Kindynis P; Haller J; Kang HS; Resnick D; Sartoris DJ; Trudell D; Tyson R, Radiology 1990; **174:** 841

patellar metastases in the presence of chondrocalcinosis, Rosenthal MA; Tiver KW, Australas Radiol 1991; **35:** 197

scapholunate advanced collapse: a common wrist abnormality in calcium pyrophosphate dihydrate crystal deposition disease, Chen C; Chandnani VP; Kang HS; Resnick D; Sartoris DJ; Haller J, Radiology 1990; **177:** 459

tumoral calcium pyrophosphate deposition disease, Sissons HA; Steiner GC; Bonar F; et al, Skeletal Radiol 1989; **18:** 79

Chondroma
case report 518, Rubenstein DJ; Harkavy L; Glantz L, Skeletal Radiol 1989; **18:** 47

case report 537, Pignatti G; Nigrisoli M, Skeletal Radiol 1989; **18:** 225

case report 588, Abdelwahab IF; Hermann G; Lewis MM; et al, Skeletal Radiol 1990; **19:** 59

case report 607, Ginai AZ, Skeletal Radiol 1990; **19:** 227

case report 609, Osburn AW; Bassett LW; Seeger LL; et al, Skeletal Radiol 1990; **19:** 237

case report 635, Abdelwahab IF; Hermann G; Klein MJ; et al, Skeletal Radiol 1990; **19:** 539

case report 663, Resendes M; Parker BR; Kempson RL; et al, Skeletal Radiol 1991; **20:** 222

case report 670, Martinez-Madrigal F; Vanel D; Luboinski B; et al, Skeletal Radiol 1991; **20:** 299

diagnostic value of computed tomography in temporomandibular joint synovial chondromatosis, Nitzan DW; Marmary Y; Fields SI; et al, Comput Med Imag Graph 1991; **15:** 53

frequency and diagnostic significance of periostitis in chondroblastoma, Brower AC; Kransdorf MJ; Moser RP Jr, AJR 1990; **154:** 309

intracranial chondroma in a patient with Ollier's disease: case report, (ab), Traflet RF; Babaria AR; Barolat G; et al, Radiology 1989; **173:** 886

synovial chondromatosis of the hip: evaluation with air computed arthrotomography, Blacksin MF; Ghelman B; Freiberger RH; et al, Clin Imag 1990; **14:** 315

synovial chondromatosis of the TMJ: MR and CT findings, Herzog S; Mafee M, AJNR 1990; **11:** 742

Chondromyxoid fibroma
case report 625, Davey HA; Cremin BJ; Smith CS, Skeletal Radiol 1990; **19:** 395

case report 638, Ribalta T; Ro JY; Carrasco CH; et al, Skeletal Radiol 1990; **19:** 549

chondromyxoid fibroma of the mastoid invading the occipital bone, (ab), Kitamura K; Nibu K; Asai M; et al, Radiology 1989; **173:** 887

chondromyxoid fibroma: radiographic appearance in 38 cases and in a review of the literature, Wilson AJ; Kyriakos M; Ackerman LV, Radiology 1991; **179:** 513

Chondrosarcoma
See Sarcoma

Chordoma
case of the month: a pain in the rear, Suarez R; Morrison D; Suarez V, Br J Radiol 1990; **63:** 77

case report 516, Roddie M; Adam A; Lambert H; et al, Skeletal Radiol 1989; **17:** 611

case report 544, Resnik CS; Young JWR; Levine AM; et al, Skeletal Radiol 1989; **18:** 303

case report 576, Smith J; Reuter V; Demas B, Skeletal Radiol 1989; **18:** 561

cranial chordomas in infancy and childhood. a report of two cases and review of the literature, Matsumoto J; Towbin RB; Ball WS Jr, Pediatr Radiol 1989; **20:** 28

CT and MR findings in patients with chordomas of the petrous apex, Brown RV; Sage MR; Brophy BP, AJNR 1990; **11:** 121

intradural metastases of chordoma, Krol G; Sze G; Arbit E; et al, AJNR 1989; **10:** 193

lumbar epidural chordoma: MR findings, Yuh WTC; Lozano RL; Flickinger FW; et al, JCAT 1989; **13:** 508

Choroid plexus
choroid plexus cysts and chromosomal defects, Thorpe-Beeston JG; Gosden CM; Nicolaides KH, Br J Radiol 1990; **63:** 783

choroid plexus cysts in the fetus: a benign anatomic variant or pathologic entity? report of 41 cases and review of the literature, (ab), Chitkara U; Cogswell C; Norton K; et al, Radiology 1989; **170:** 585

fetal choroid plexus cysts: a prospective study and review of the literature, Twining P; Zuccollo J; Clewes J; et al, Br J Radiol 1991; **64:** 98

fetal choroid plexus lesions: relationship of antenatal sonographic appearance to clinical outcome, Hertzberg BS; Kay HH; Bowie JD, J Ultrasound Med 1989; **8:** 77

lipoma and agenesis of the corpus callosum with associated choroid plexus lipomas: in utero diagnosis, Mulligan G; Meier P, J Ultrasound Med 1989; **8:** 583

Choroid plexus, CT

hyperdense choroid plexus: a CT finding associated with aortic arch obstruction in the newborn, Rand JC; Burton EM; Tonkin ILD; et al, Pediatr Radiol 1990; **21:** 2

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

Choroid plexus, MR

glomus of the choroid plexus: the normal spin-echo appearance on magnetic resonance imaging, Koopmans RA; Li DKB; Paty DW, J Canad Assoc Radiol 1990; **41:** 195

MR imaging of choroid plexus lipomas, Truwit CL; Williams RG; Armstrong EA; et al, AJNR 1990; **11:** 202

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

primary choroid plexus papilloma of the cerebellopontine angle: MR imaging, Martin N; Pierot L; Sterkers O; et al, Neuroradiol 1990; **31:** 541

Choroid plexus, neoplasms

choroid plexus carcinoma—report of a case with metastases within the central nervous system, Bennedbaek O; Therkildsen MH, Acta Oncol 1990; **29:** 241

choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement: report of four cases and review of the literature, Girardot C; Boukobza M; Lamoureux J-P; et al, J Neuroradiol 1990; **17:** 303

choroid plexus tumors: antenatal diagnosis and follow-up, Body G; Darnis E; Pourcelot D; et al, JCU 1990; **18:** 575

fetal choroid plexus cysts: a report of 100 cases, Ostlere SJ; Irving HC; Lilford RJ, Radiology 1990; **175:** 753

foramen magnum choroid plexus papilloma with drop metastases to the lumbar spine, Domingues RC; Taveras JM; Reimer P; et al, AJNR 1991; **12:** 564

glomus of the choroid plexus: the normal spin-echo appearance on magnetic resonance imaging, Koopmans RA; Li DKB; Paty DW, J Canad Assoc Radiol 1990; **41:** 195

MR imaging of choroid plexus lipomas, Truwit CL; Williams RG; Armstrong EA; et al, AJNR 1990; **11:** 202

one-month-old infant with increasing head size, Harmon BH; Yap MA, Invest Radiol 1990; **25:** 862

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

primary choroid plexus papilloma of the cerebellopontine angle: MR imaging, Martin N; Pierot L; Sterkers O; et al, Neuroradiol 1990; **31:** 541

Choroid plexus, US

fetal choroid plexus cysts: a report of 100 cases, Ostlere SJ; Irving HC; Lilford RJ, Radiology 1990; **175:** 753

prenatal diagnosis of cysts of the fetal choroid plexus, (ab), Clark SL; DeVore GR; Sabey PL, Radiology 1989; **171:** 883

sonographically detected fetal choroid plexus cysts: frequency and association with aneuploidy, Chinn DH; Miller EI; Worthy LM; et al, J Ultrasound Med 1991; **10:** 255

Chromosomes

See also Bones, chromosomal aberrations

chromosome analysis of in situ breast cancer, Nielsen KV; Blichert-Toft M; Andersen J, Acta Oncol 1989; **28:** 919

Von Hippel-Lindau disease affecting 43 members of an affected kindred, (ab), Lamiell JM; Salazar FG; Hsia YE, Radiology 1989; **172:** 888

Chromosomes, abnormalities

See also Down syndrome; Trisomy 13; Trisomy 18

antenatal ultrasonic diagnosis of Meckel Gruber syndrome (a case report with review of literature), Vernekar JA; Mishra GK; Pinto RGW; et al, Australas Radiol 1991; **35:** 186

chromosomal abnormalities in fetuses with omphalocele: significance of omphalocele contents, Nyberg DA; Fitzsimmons J; Mack LA; et al, J Ultrasound Med 1989; **8:** 299

cytogenetic effects of radiotherapy: frequency and types of chromosome aberrations, Barrios L; Caballín MR; Miró R; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 371

fetal blood sampling from the intrahepatic vein for rapid karyotyping in the second and third trimesters, Nicolaidis P; Nicolini U; Fisk NM; et al, Br J Radiol 1991; **64:** 505

MR findings in mannosidosis, Dietemann JL; Filippi de la Palavesa MM; Tranchant C; et al, Neuroradiol 1990; **32:** 485

new approach of brain tumors: the cytogenetic study, Vagner-Capodano AM; Hairion D; Gambarelli D; et al, J Neuroradiol 1991; **18:** 107

possible relationship between chromosome alterations and *in vitro* cellular radiosensitivity of human malignant melanoma, McBride H; Stea B; Hill A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 349

prenatal detection of simian crease, Jeanty P, J Ultrasound Med 1990; **9:** 131

production of chromosome structural changes by radiation: an update of Lea (1946), Chapter VI, Savage JRK, Br J Radiol 1989; **62:** 507

radiation-induced cell death by chromatin loss: a model to explain the shape of low-linear-energy-transfer cell survical curves, Campbell IR; Warenius HM, Br J Radiol 1989; **62:** 338

radiology of Coffin–Lowry syndrome, Padley S; Hodgson SV; Sherwood T, Br J Radiol 1990; **63:** 72

renal malformations in patients with Turner syndrome: imaging in 141 patients, (ab), Lippe B; Geffner ME; Dietrich RB; et al, Radiology 1989; **172:** 591

review of radiologic and clinical findings in the recombinant 8 syndrome, Williamson SL; Clericuzio CL, Pediatr Radiol 1991; **21:** 125

sonographic recognition of major malformations and aberrant fetal growth in trisomic fetuses, Dicke JM; Crane JP, J Ultrasound Med 1991; **10:** 433

ultrasound findings in pregnancies complicated by fetal triploidy, Pircon RA; Porto M; Towers CV; et al, J Ultrasound Med 1989; **8:** 507

Wolf syndrome, Katz DS; Smith TH, Pediatr Radiol 1991; **21:** 369

Chymopapain

effect of repeated injections of chymopapain in the epidural space, Nguyen CM; Haughton VM; Ho K-C, Radiology 1990; **174:** 417

synergy of chymopapain and diatrizoate studied in an experimental model, Haughton VM; Ho K-C; Nguyen CM, Radiology 1989; **171:** 469

Cirrhosis

See Liver, cirrhosis

Cisternography

MR cisternography of the cerebello-pontine angle and internal auditory canal in diagnosis of intracanalicular acoustic neuroma, Bassi P; Piazza P; Cusmano F; et al, Neuroradiol 1990; **31:** 486

Cisternography, CT

air CT cisternography in the diagnosis of vascular loop causing vestibular nerve dysfunction, Esfahani F; Dolan KD, AJNR 1989; **10:** 1045

CSF fistula in a patient with Mondini deformity: demonstration by CT cisternography, Burton EM; Keith JW; Linden BE; et al, AJNR 1990; **11:** 205

CT cisternography in evaluation of cerebrospinal fluid rhinorrhea, Özgen T; Tekkök IH; Cila A; et al, Neuroradiol 1990; **32:** 481

Cisternography, radionuclide

clinical study of radioisotope clearance from the cerebrospinal fluid space using single photon emission computed tomography, Kuchiwaki H; Nagasaka M; Takada S; et al, Neuroradiol 1989; **31:** 226

demonstration of periorbital cerebrospinal fluid leak by radionuclide cisternography, Barette R; Verreault J, Clin Nucl Med 1989; **14:** 309

false-negative radionuclide cisternography in massive communicating hydrocephalus: value of the vertex view and CT correlation, Kir KM; Krasnow AZ; Isitman AT; et al, Clin Nucl Med 1989; **14:** 819

intestinal activity visualized on radionuclide cisternography in patients with cerebrospinal fluid leak, Zu'bi SM; Kirkwood R; Abbasy M; et al, J Nucl Med 1991; **32:** 151

use of radionuclide cisternography in the diagnosis of pleural cerebrospinal fluid fistulae, Krasnow AZ; Collier BD; Isitman AT; et al, J Nucl Med 1989; **30:** 120

Clavicle

58-year-old Vietnamese woman with a 1-month history of an enlarging right infraclavicular mass, Cajade AG; Govoni AF; Chen Y-T, Clin Imag 1990; **14:** 255

apical oblique view of the clavicle: its usefulness in neonatal and childhood trauma, Weinberg B; Seife B; Alonso P, Skeletal Radiol 1991; **20:** 201

benign clavicular lesions that may mimic malignancy, Gerscovich EO; Greenspan A; Szabo RM, Skeletal Radiol 1991; **20:** 173

case report 623, Abdelwahab IF; Hermann G; Ramos R; et al, Skeletal Radiol 1990; **19:** 387

clavicle: normal and abnormal, Kumar R; Madewell JE; Swischuk LE; Lindell MM; David R, Radiographics 1989; **9:** 677

condensing osteitis of the clavicle: a rare but frequently misdiagnosed condition, Greenspan A; Gerscovich E; Szabo RM; et al, AJR 1991; **156:** 1011

post-traumatic osteolysis of the clavicle: MR features, Erickson SJ; Kneeland JB; Komorowski RA; et al, JCAT 1990; **14:** 835

unilateral wavy clavicle, Levin B, Skeletal Radiol 1990; **19:** 519

Cocaine

brain perfusion is abnormal in cocaine-dependent polydrug users: a study using technetium-99m-HMPAO and ASPECT, Holman BL; Carvalho PA; Mendelson J; et al, J Nucl Med 1991; **32:** 1206

cerebral abnormalities in cocaine abusers: demonstration by SPECT perfusion brain scintigraphy. work in progress, Tumeh SS; Nagel JS; English RJ; Moore M; Holman BL, Radiology 1990; **176:** 821

cocaine- and methamphetamine-induced acute cerebral vasospasm: an angiographic study in rabbits, Wang A-M; Suojanen JN; Colucci VM; et al, AJNR 1990; **11:** 1141

cocaine-induced heart disease: mechanisms and pathology, Laposata EA, J Thorac Imag 1991; **6-1:** 68

crack lung: an acute pulmonary syndrome with a spectrum of clinical and histopathologic findings, (ab), Forrester JM; Steele AW; Waldron JA; et al, Radiology 1991; **178:** 587

imaging of cocaine-induced global and regional myocardial ischemia, Oster ZH; Som P; Wang G-J; et al, J Nucl Med 1991; **32:** 1569

increased cerebral blood flow velocity in infants of mothers who abuse cocaine, (ab), van de Bor M; Walther FJ; Sims ME, Radiology 1990; **177:** 599

liver uptake of Tc-99m PYP, Whitten CG; Luke BA, Clin Nucl Med 1991; **16:** 492

new cocaine abuse complex: involvement of nose, septum, palate, and pharynx, (ab), Deutsch HL; Millard DR Jr, Radiology 1990; **174:** 591

prenatal cocaine exposure and fetal vascular disruption, (ab), Hoyme HE; Jones KL; Dixon SD; et al, Radiology 1990; **177:** 599

pulmonary edema in cocaine smokers, Hoffman CK; Goodman PC, Radiology 1989; **172:** 463

Coccidioidomycosis

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Miller RR; Müller NL, Radiology 1991; **179:** 469

Cockayne syndrome
See Bones, osteochondrodysplasias

Colitis
amyloidosis of the colon presenting as ischemic colitis: a case report and review of the literature, Trinh TD; Jones B; Fishman EK, Gastrointest Radiol 1991; **16:** 133
can sonography diagnose acute colonic diverticulitis in patients with acute intestinal inflammation? a prospective study, Verbanck JJ; Lambrecht S; Rutgeerts LJ; et al, JCU 1989; **17:** 661
diagnostic quality of portable abdominal radiographs in neonates with necrotizing enterocolitis: digitized vs nondigitized images, Gross GW; Ehrlich SM; Wang Y, AJR 1990; **154:** 779
enteric fistula formation secondary to necrotizing enterocolitis, Levin TL; Brill PW; Winchester P, Pediatr Radiol 1991; **21:** 309
In-111 labeled leukocyte and Ga-67 scintigraphy in cytomegalovirus colitis, Palestro CJ; Kim CK; Needle LB; et al, Clin Nucl Med 1990; **15:** 848
lymphoid follicular hyperplasia in excluded colonic segments: a radiologic sign of diversion colitis, Lechner GL; Frank W; Jantsch H; Pichler W; Hall DA; Waneck R; Wunderlich M, Radiology 1990; **176:** 135
microscopic (collagenous) colitis, Glick SN; Teplick SK; Amenta PS, AJR 1989; **153:** 995
myelomeningocele: a risk factor for necrotizing enterocolitis in term infants, (ab), Costello S; Hellmann J; Lui K, Radiology 1989; **172:** 590
neonatal necrotizing enterocolitis: air in Morison pouch, Brill PW; Olson SR; Winchester P, Radiology 1990; **174:** 469
nonspecific radiographic abnormalities in collagenous colitis, Feczko PJ; Mezwa DG, Gastrointest Radiol 1991; **16:** 128
obstructive colitis: ulceroinflammatory lesions occurring proximal to colonic obstruction, (ab), Toner M; Condell D; O'Briain DS, Radiology 1991; **178:** 896
pericholecystic hyperechogenicities in necrotizing enterocolitis: a specific sonographic sign, Avni EF; Rypens F; Cohen E; et al, Pediatr Radiol 1991; **21:** 179
preoperative prediction of extent and severity of ischemic colitis by imaging with In-111 labeled leukocytes, Vijayakumar V; Bekerman C; Blend MJ, Clin Nucl Med 1991; **16:** 98
radiologic findings in hemorrhagic colitis due to *Escherichia coli* 0157:H7, Shortsleeve MJ; Wilson ME; Finklestein M; et al, Gastrointest Radiol 1989; **14:** 341
shigella colitis with radiological and endoscopic correlation: case report, Zalev AH; Warren RE, J Canad Assoc Radiol 1989; **40:** 328
sonographic detection in necrotizing enterocolitis in infancy, Patel U; Leonidas JC; Furie DM, J Ultrasound Med 1990; **9:** 673
transrectal US in the diagnosis of localized colitis cystica profunda, Hulsmans FJH; Tio TL; Reeders JWAJ; Tytgat GNJ, Radiology 1991; **181:** 201
ultrasonic and CT findings in penicillin-induced nonpseudomembranous colitis, Matsumoto T; Iida M; Matsui T; et al, Gastrointest Radiol 1990; **15:** 329
ultrasonic patterns in inflammatory bowel disease, Khaw KT; Yeoman LJ; Saverymuttu SH; et al, Clin Radiol 1991; **43:** 171
ultrasonography in amebic colitis, Hussain S; Dinshaw H, J Ultrasound Med 1990; **9:** 385
value of double-contrast barium enema in amebic colitis, Matsui T; Iida M; Tada S; et al, Gastrointest Radiol 1989; **14:** 73

Colitis, pseudomembranous
colonic aphthous ulcers in pseudomembranous colitis, Millward S; Salonen D; Joanes F, J Canad Assoc Radiol 1989; **40:** 53
CT findings in pseudomembranous colitis, Hamrick KM; Tishler JM; Schwartz ML; et al, Comput Med Imag Graph 1989; **13:** 343
gonadal vein thrombosis in patients with acute gastrointestinal inflammation: diagnosis with CT, Jain KA; Jeffrey RB Jr, Radiology 1991; **180:** 111
pseudomembranous colitis: CT evaluation of 26 cases, Fishman EK; Kavuru M; Jones B; Kuhlman JE; Merine DS; Lillimoe KD; Siegelman SS, Radiology 1991; **180:** 57
pseudomembranous colitis: sonographic features, Downey DB; Wilson SR, Radiology 1991; **180:** 61
pseudomembranous colitis with rectosigmoid sparing on barium studies, Rubesin SE; Levine MS; Glick SN; Herlinger H; Laufer I, Radiology 1989; **170:** 811

Colitis, ulcerative
colorectal cancer in ulcerative colitis: influence of anatomical extent and age at onset on colitis-cancer interval, (ab), Sugita A; Sachar DB; Bodian C; et al, Radiology 1991; **180:** 587
diagnosis of acute ulcerative colitis and colonic Crohn's disease by colonic sonography, Limberg B, JCU 1989; **17:** 25
from the archives of the AFIP: polypoid and pseudopolypoid manifestations of inflammatory bowel disease, Buck JL; Dachman AH; Sobin LH, Radiographics 1991; **11:** 293
gonadal vein thrombosis in patients with acute gastrointestinal inflammation: diagnosis with CT, Jain KA; Jeffrey RB Jr, Radiology 1991; **180:** 111
precancer and cancer in extensive ulcerative colitis: findings among 401 patients over 22 years, (ab), Lennard-Jones JE; Melville DM; Morson BC; et al, Radiology 1991; **178:** 586
radiographic demonstration of longitudinal ulcers in patients with ulcerative colitis, Suekane H; Iida M; Matsui T; et al, Gastrointest Radiol 1990; **15:** 333
streptokinase therapy for extensive venous thromboses in a patient with severe ulcerative colitis, (ab), Van Woert JH; Thompson RC; Cangemi JR; et al, JVIR 1990; **1:** 137
ulcerative colitis: colorectal cancer risk in an unselected population, (ab), Rutegård JN; Ahsgren LR; Janunger KG, Radiology 1989; **172:** 291

Colon
See also Gastrointestinal tract; Intestines
air-contrast barium enema studies after flexible proctosigmoidoscopy: randomized controlled clinical trial, Marshall JB; Hoyt TS; Seger RM; Reid JC; Beyer KL; Butt JH, Radiology 1990; **176:** 549

Colon, abnormalities
dolichocolon: an incidental finding on gallium scintigraphy, Liu R-S; Lin M-S; Yeh S-H, Clin Nucl Med 1990; **15:** 356
dynamic scanning defines a colonic defect in severe idiopathic constipation, (ab), Kamm MA; Lennard-Jones JE; Thompson DG; et al, Radiology 1989; **171:** 290
painful irritable bowel syndrome and sigmoid contractions, Ritsema GH; Thijn CJP, Clin Radiol 1991; **43:** 113

Colon, aganglionosis
empty rectum on plain x-ray. does it have any significance in the neonate?, Bradley MJ; Pilling D, Clin Radiol 1991; **43:** 265
esophageal motility in children with Hirschsprung's disease, (ab), Staiano A; Corazziari E; Andreotti MR; et al, Radiology 1991; **181:** 296

Colon, anatomy
acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL, Radiology 1989; **171:** 739

Colon, CT
colonic perforation: complication of automatic implantable cardioverter defibrillator placement, Krebs TL; Austin JHM, Radiology 1989; **172:** 708
computed tomographic evaluation and staging of cecal carcinoma, Keeney G; Jafri SZH; Mezwa DG, Gastrointest Radiol 1989; **14:** 65
CT evaluation of carcinomas of the colon and rectum, Thoeni RF, Radiol Clin North Am 1989; **27:** 731
CT findings in pseudomembranous colitis, Hamrick KM; Tishler JM; Schwartz ML; et al, Comput Med Imag Graph 1989; **13:** 343
idiopathic cecal ulcer: CT findings, Marn CS; Yu B-FB; Nostrant TT; et al, AJR 1989; **153:** 761
imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308
imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283
linitis plastica of the colon: computed tomography findings, Howell EJ; de Lange EE; Frierson HF Jr, Gastrointest Radiol 1990; **15:** 69
percutaneous cecostomy for Ogilvie syndrome: laboratory observations and clinical experience, vanSonnenberg E; Varney RR; Casola G; Macaulay S; Wittich GR; Polansky AM; Schechter M, Radiology 1990; **175:** 679
pseudomembranous colitis: CT evaluation of 26 cases, Fishman EK; Kavuru M; Jones B; Kuhlman JE; Merine DS; Lillimoe KD; Siegelman SS, Radiology 1991; **180:** 57
ultrasonic and CT findings in penicillin-induced nonpseudomembranous colitis, Matsumoto T; Iida M; Matsui T; et al, Gastrointest Radiol 1990; **15:** 329

Colon, diseases
CT findings in primary amyloidosis of the colon, Dey C; Duvoisin B, JCAT 1989; **13:** 1094
detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989; **170:** 677
lymphoid follicular hyperplasia in excluded colonic segments: a radiologic sign of diversion colitis, Lechner GL; Frank W; Jantsch H; Pichler W; Hall DA; Waneck R; Wunderlich M, Radiology 1990; **176:** 135
pseudomembranous colitis: CT evaluation of 26 cases, Fishman EK; Kavuru M; Jones B; Kuhlman JE; Merine DS; Lillimoe KD; Siegelman SS, Radiology 1991; **180:** 57
pseudomembranous colitis: sonographic features, Downey DB; Wilson SR, Radiology 1991; **180:** 61
strongyloidiasis of the colon, Rowlands PC; Speechly-Dick ME; Grech P, Br J Radiol 1990; **63:** 650
Wegener granulomatosis of the colon: CT and histologic correlation, Tupler RH; McCuskey WH, JCAT 1991; **15:** 314

Colon, diverticula
bowler-hat sign: a simple principle for differentiating polyps from diverticula, Miller WT Jr; Levine MS; Rubesin SE; Laufer I, Radiology 1989; **173:** 615
can sonography diagnose acute colonic diverticulitis in patients with acute intestinal inflammation? a prospective study, Verbanck JJ; Lambrecht S; Rutgeerts LJ; et al, JCU 1989; **17:** 661
case of the month: a colonic double bubble, Harrison A; Machin L; Grundy A, Br J Radiol 1989; **62:** 85
case report: uncommon radiological and pathological features of giant colonic diverticula, Casas DJ; Tenesa M; Alastrué A; et al, Clin Radiol 1991; **44:** 125
colonic diverticulitis in young patients with chronic renal failure and transplantation, Abramson SJ; Berdon WE; Laffey K; et al, Pediatr Radiol 1991; **21:** 352
diverticular complications of renal failure, Galbraith P; Bagg MN; Schabel SI; et al, Gastrointest Radiol 1990; **15:** 259
diverticular mass mimicking ovarian malignancy, Adler BD; Breidahl P, Australas Radiol 1990; **34:** 260
gonadal vein thrombosis in patients with acute gastrointestinal inflammation: diagnosis with CT, Jain KA; Jeffrey RB Jr, Radiology 1991; **180:** 111
inverted colonic diverticulum: air contrast barium enema findings in six cases, Glick SN, AJR 1991; **156:** 961
middle mesenteric artery: an unusual source for colonic hemorrhage, LeQuire MH; Sorge DG; Brantley SD, JVIR 1991; **2:** 141

sigmoid diverticulitis: diagnostic role of CT—comparison with barium enema studies, Cho KC; Morehouse HT; Alterman DD; Thornhill BA, Radiology 1990; **176:** 111

transient diverticula of the colon, Rawlinson J; Brunton FJ, Br J Radiol 1989; **62:** 27

uncomplicated acute diverticulitis of the cecum and ascending colon: sonographic findings in 18 patients, Wada M; Kikuchi Y; Doy M, AJR 1990; **155:** 283

value of sonography in the diagnosis of acute diverticulitis of the colon, Wilson SR; Toi A, AJR 1990; **154:** 1199

Colon, enlarged

percutaneous cecostomy for Ogilvie syndrome: laboratory observations and clinical experience, vanSonnenberg E; Varney RR; Casola G; Macaulay S; Wittich GR; Polansky AM; Schechter M, Radiology 1990; **175:** 679

toxic megacolon detected by Tc-99m HMPAO mixed leukocyte scan, Prats E; Banzo J; Nerin J; et al, Clin Nucl Med 1991; **16:** 365

Colon, function

colonic transit in spinal cord-injured patients, Nino-Murcia M; Stone JM; Chang PJ; et al, Invest Radiol 1990; **25:** 109

Colon, hemorrhage

middle mesenteric artery: an unusual source for colonic hemorrhage, LeQuire MH; Sorge DG; Brantley SD, JVIR 1991; **2:** 141

radiologic findings in hemorrhagic colitis due to *Escherichia coli* 0157:H7, Shortsleeve MJ; Wilson ME; Finklestein M; et al, Gastrointest Radiol 1989; **14:** 341

Colon, inflammation

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Colon, interventional procedure

diagnostic value of combining flexible sigmoidoscopy and double-contrast barium enema as a one-stage procedure, Saito Y; Slezak P; Rubio C, Gastrointest Radiol 1989; **14:** 357

interventional radiologic management of enteric strictures, McLean GK; Meranze SG, Radiology 1989; **170:** 1049

percutaneous cecostomy: controlled transperitoneal approach, Morrison MC; Lee MJ; Stafford SA; Saini S; Mueller PR, Radiology 1990; **176:** 574

percutaneous cecostomy for Ogilvie syndrome: laboratory observations and clinical experience, vanSonnenberg E; Varney RR; Casola G; Macaulay S; Wittich GR; Polansky AM; Schechter M, Radiology 1990; **175:** 679

Colon, ischemia

acute colorectal ischaemia after anaphylactoid shock, (ab), Travis S; Davies DR; Creamer B, Radiology 1991; **181:** 610

relief of mesenteric ischemia in type III aortic dissection with percutaneous fenestration of the aortic septum, Williams DM; Brothers TE; Messina LM, Radiology 1990; **174:** 450

Colon, MR

colorectal tumors: an in vitro study of high-resolution MR imaging, Imai Y; Kressel HY; Saul SH; Chao PW; Schnall MD; Lenkinski RE; Listerud JM; Daly JM, Radiology 1990; **177:** 695

imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308

imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283

local recurrence of rectosigmoid cancer: what about the choice of MRI for diagnosis?, Balzarini L; Ceglia E; D'Ippolito G; et al, Gastrointest Radiol 1990; **15:** 338

MR imaging of colonic lipoma, Younathan CM; Ros PR; Burton SS, JCAT 1991; **15:** 492

suspected recurrent rectosigmoid carcinoma after abdominoperineal resection: MR imaging and histopathologic findings, de Lange EE; Fechner RE; Wanebo HJ, Radiology 1989; **170:** 323

Colon, neoplasms

accuracy of computed tomography of the liver in colo-rectal carcinoma, Lundstedt C; Ekberg H; Hederström E; et al, Clin Radiol 1990; **42:** 335

adenocarcinoma in a sigmoid conduit: case report, Erb RE; Kaufman AJ; Koch MO; et al, Urol Radiol 1990; **12:** 115

adenocarcinomas of the colon and rectum in persons under 40 years old, (ab), Griffin PM; Liff JM; Greenberg RS; et al, Radiology 1991; **181:** 290

angioimmunoblastic lymphadenopathy of the colon with malignant transformation, Mezwa DG; Feczko PJ; Korensky T, Gastrointest Radiol 1991; **16:** 348

anti-carcinoembryonic antigen immunoscintigraphy (technetium-99m-monoclonal antibody BW 431/26) and serum CEA levels in patients with suspected primary and recurrent colorectal carcinoma, Lind P; Lechner P; Arian-Schad K; et al, J Nucl Med 1991; **32:** 1319

appendiceal involvement in cecal carcinoma: demonstration by ultrasound, Becking WB; Puylaert JBCM; Feldberg MAM; et al, Gastrointest Radiol 1989; **14:** 170

asbestos and colorectal cancer, (ab), Weiss W, Radiology 1991; **178:** 896

atypical hyperplastic polyps at double-contrast barium enema examination, Levine MS; Barnes MJ; Bronner MP; Rubesin SE; Saul SH, Radiology 1990; **175:** 691

benign cecal villous adenoma presenting as a bladder mass, Wells GA; Lichtenstein JE; Moulton JS, Gastrointest Radiol 1989; **14:** 176

bone scan of recurrent colon carcinoma involving the sacrum and urinary bladder, Stewart CA; Siegel ME; Nafis WA; et al, Clin Nucl Med 1990; **15:** 513

bowler-hat sign: a simple principle for differentiating polyps from diverticula, Miller WT Jr; Levine MS; Rubesin SE; Laufer I, Radiology 1989; **173:** 615

carcinoma of the colon and rectum: tumors missed by radiologic examination in 61 patients, (ab), Bolon S; Franzén L; Nilsson E; et al, Radiology 1989; **170:** 287

case of the month: digging for a diagnosis, Jäger HR; O'Donnell C; Sinha J, Br J Radiol 1990; **63:** 143

case report: persistent colonic spasm concealing a carcinoma—an uncommon diagnostic pitfall of the barium enema examination, Massoud TF; Gibson RJ; Nolan DJ, Clin Radiol 1991; **43:** 417

characteristic appearances of colonic lipomas on barium enema: a guide to conservative management, Davis SJ; Yoong MFP, Australas Radiol 1990; **34:** 131

clinical value of immunoscintigraphy in colorectal carcinoma patients: a prospective study, Bischof-Delaloye A; Delaloye B; Buchegger F; et al, J Nucl Med 1989; **30:** 1646

colonic stenoses: use of oral barium when retrograde flow is completely obstructed in barium enema studies, Gotta C; Palau GA; Demos TC; Villaveiran RG, Radiology 1990; **177:** 703

colonoscopically detected colorectal cancer missed on barium enema, Anderson N; Cook HB; Coates R, Gastrointest Radiol 1991; **16:** 123

colorectal adenocarcinoma in childhood and adolescent: report of 11 cases and review of the literature, Lamego CMB; Torloni H, Pediatr Radiol 1989; **19:** 504

colorectal cancer: cross-sectional imaging for staging of primary tumor and detection of local recurrence, Thoeni RF, AJR 1991; **156:** 909

colorectal cancer detection in the practice setting: impact of fecal blood testing, (ab), Ahlquist DA; Klee GG; McGill DD; et al, Radiology 1990; **177:** 290

colorectal cancer in Sweden: a descriptive epidemiologic study, Gerhardsson M; Steineck G; Norell SE, Acta Oncol 1990; **29:** 855

colorectal cancer in ulcerative colitis: influence of anatomical extent and age at onset on colitis-cancer interval, (ab), Sugita A; Sachar DB; Bodian C; et al, Radiology 1991; **180:** 587

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

colorectal carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; van Delden OM; Tytgat GNJ, Radiology 1991; **179:** 165

colorectal tumors: an in vitro study of high-resolution MR imaging, Imai Y; Kressel HY; Saul SH; Chao PW; Schnall MD; Lenkinski RE; Listerud JM; Daly JM, Radiology 1990; **177:** 695

computed tomographic evaluation and staging of cecal carcinoma, Keeney G; Jafri SZH; Mezwa DG, Gastrointest Radiol 1989; **14:** 65

Cronkhite–Canada syndrome: radiologic features, Dachman AH; Buck JL; Burke AP; et al, Gastrointest Radiol 1989; **14:** 285

CT evaluation of carcinomas of the colon and rectum, Thoeni RF, Radiol Clin North Am 1989; **27:** 731

CT-SPECT fusion to correlate radiolabeled monoclonal antibody uptake with abdominal CT findings, Kramer EL; Noz ME; Sanger JJ; Megibow AJ; Maguire GQ, Radiology 1989; **172:** 861

diagnostic accuracy of the double-contrast enema for colonic polyps in patients with or without diverticular disease, Morosi C; Ballardini G; Pisani P; et al, Gastrointest Radiol 1991; **16:** 345

differences in biodistribution of indium-111- and iodine-131-labeled B72.3 monoclonal antibodies in patients with colorectal cancer, Yokoyama K; Carrasquillo JA; Chang AE; et al, J Nucl Med 1989; **30:** 320

double-contrast barium enema studies: effect of multiple reading on perception error, Markus JB; Somers S; O'Malley BP; Stevenson GW, Radiology 1990; **175:** 155

doxorubicin in combination with verapamil in advanced colorectal cancer: a phase II trial, Dalmark M; Pals H; Johnsen AH, Acta Oncol 1991; **30:** 23

effects of varying potential and electrolytic dosage in direct current treatment of tumors, Heiberg E; Nalesnik WJ; Janney C, Acta Radiol 1991; **32:** 174

extracolonic manifestations of the familial adenomatous polyposis syndromes, Harned RK; Buck JL; Olmsted WW; et al, AJR 1991; **156:** 481

from the archives of the AFIP: polypoid and pseudopolypoid manifestations of inflammatory bowel disease, Buck JL; Dachman AH; Sobin LH, Radiographics 1991; **11:** 293

giant cystic leiomyoma of the sigmoid colon, Weston PMT; Travis R; Thompson HH, Comput Med Imag Graph 1991; **15:** 41

granulocytic sarcoma of the colon, (ab), Catalano MF; Levin B; Hart RS; et al, Radiology 1991; **180:** 588

hepatic colorectal metastases: correlation of MR imaging and pathologic appearance, Outwater E; Tomaszewski JE; Daly JM; Kressel HY, Radiology 1991; **180:** 327

hyperplastic polyps seen at sigmoidoscopy are markers for additional adenomas seen at colonoscopy, (ab), Blue MG; Sivak MV Jr; Achkar E; et al, Radiology 1991; **180:** 587

imaging hepatic metastases from colorectal carcinoma: identification of candidates for partial hepatectomy, Seltzer SE; Holman BL, AJR 1989; **152:** 917

imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308

imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283

imaging of colorectal carcinoma with radiolabeled antibodies, Goldenberg DM; Goldenberg H; Sharkey RM; et al, Semin Nucl Med 1989; **19:** 262

immunoscintigraphy of colorectal carcinoma utilizing ^{111}In-labeled monoclonal antibody conjugate CYT-103, Neal CE; Swan TL; Baker MR; et al, Gastrointest Radiol 1991; **16:** 251

In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT, Radiology 1990; **175:** 163

in vivo fate of monoclonal antibody B72.3 in patients with colorectal cancer, Colcher D; Milenic DE; Ferroni P; et al, J Nucl Med 1990; **31:** 1133

large colonic neoplasms missed by endoscopy, Glick SN; Teplick SK; Balfe DM; et al, AJR 1989; **152:** 513

linitis plastica of the colon: computed tomography findings, Howell EJ; de Lange EE; Frierson HF Jr, Gastrointest Radiol 1990; **15:** 69

local recurrence of rectosigmoid cancer: what about the choice of MRI for diagnosis?, Balzarini L; Ceglia E; D'Ippolito G; et al, Gastrointest Radiol 1990; **15:** 338

low-dose continuous infusion cisplatin combined with external beam irradiation for advanced colorectal adenocarcinoma and unresectable non-small cell lung carcinoma, Ellerbroek NA; Fossella FV; Rich TA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 351

lowering death rates from colorectal cancer: challenge for the 1990s, Rice RP, Radiology 1990; **176:** 297

lymphatic vessel invasion is an independent prognostic factor for survival in colorectal cancer, Minsky BD; Mies C; Rich TA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 311

lymphomatous polyposis of the colon, Davis M; Maxwell G; Gogel H; et al, Gastrointest Radiol 1989; **14:** 70

MR imaging of colonic lipoma, Younathan CM; Ros PR; Burton SS, JCAT 1991; **15:** 492

PET studies of fluorodeoxyglucose metabolism in patients with recurrent colorectal tumors receiving radiotherapy, Haberkorn U; Strauss LG; Dimitrakopoulou A; et al, J Nucl Med 1991; **32:** 1485

positive predictive value and posttest probability of diagnosis of colonic polyp on single- and double-contrast barium enema, Ott DJ; Scharling ES; Chen YM; et al, AJR 1989; **153:** 735

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

precancer and cancer in extensive ulcerative colitis: findings among 401 patients over 22 years, (ab), Lennard-Jones JE; Melville DM; Morson BC; et al, Radiology 1991; **178:** 586

prospective, randomized evaluation of the treatment of colorectal cancer metastatic to the liver, (ab), Wagman LD; Kemeny MM; Leong L; et al, JVIR 1991; **2:** 297

radioimmunoguided surgery using iodine 125 B72.3 in patients with colorectal cancer, (ab), Cohen AM; Martin EW Jr; Lavery I; et al, Radiology 1991; **180:** 883

radiological evidence for the polyp/cancer sequence in the colon, Rawlinson J; Tate JJT; Brunton FJ; et al, Clin Radiol 1989; **40:** 386

radiologic detection of colonic neoplasms: benefits of a systems-analysis approach, Gelfand DW; Chen YM; Ott DJ, AJR 1991; **156:** 303

recurrence of colorectal tumors: PET evaluation, Strauss LG; Clorius JH; Schlag P; Lehner B; Kimmig B; Engenhart R; Marin-Grez M; Helus F; Oberdorfer F; Schmidlin P; van Kaick G, Radiology 1989; **170:** 329

spatial distribution of parenterally administered monoclonal antibodies against CEA in a human colorectal tumour xenograft, Ahlström H; Enblad P; Andersson A; et al, Acta Oncol 1989; **28:** 81

surgical decision making for large bowel cancer metastatic to the liver, Sugarbaker PH, Radiology 1990; **174:** 621

suspected recurrent rectosigmoid carcinoma after abdominoperineal resection: MR imaging and histopathologic findings, de Lange EE; Fechner RE; Wanebo HJ, Radiology 1989; **170:** 323

transrectal US in the diagnosis of localized colitis cystica profunda, Hulsmans FJH; Tio TL; Reeders JWAJ; Tytgat GNJ, Radiology 1991; **181:** 201

ulcerative colitis: colorectal cancer risk in an unselected population, (ab), Rutegård JN; Ahsgren LR; Janunger KG, Radiology 1989; **172:** 291

ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; **10:** 117

ultrasound case of the day: annual meeting, 1988, Dahnert WF; Rifkin MD; Kurtz AB, Radiographics 1989; **9:** 554

Colon, obstruction
See Colon, stenosis or obstruction

Colon, perforation
colonic perforation: complication of automatic implantable cardioverter defibrillator placement, Krebs TL; Austin JHM, Radiology 1989; **172:** 708
perforation of the colon due to endometriosis, Goodman P; Raval B; Zimmerman G, Gastrointest Radiol 1990; **15:** 346

Colon, polyps
See Colon, neoplasms

Colon, radiography
atypical hyperplastic polyps at double-contrast barium enema examination, Levine MS; Barnes MJ; Bronner MP; Rubesin SE; Saul SH, Radiology 1990; **175:** 691
brief communication: a simple model for teaching double-contrast examinations of the gastrointestinal tract, Munro TG, J Canad Assoc Radiol 1989; **40:** 162
cleansing enema: how many for a good quality double-contrast enema?, Pietilä JA; Kinnunen J; Lindén H, Acta Radiol 1990; **31:** 489
lowering death rates from colorectal cancer: challenge for the 1990s, Rice RP, Radiology 1990; **176:** 297
nonspecific radiographic abnormalities in collagenous colitis, Feczko PJ; Mezwa DG, Gastrointest Radiol 1991; **16:** 128
peroral pneumo colon—a double contrast technique to evaluate distal ileum and proximal colon, Mittal A; Saha MM; Pandey KK, Australas Radiol 1990; **34:** 72
preparing the colon for the barium enema examination, Gelfand DW; Chen MYM; Ott DJ, Radiology 1991; **178:** 609

Colon, radionuclide studies
colon transit scintigraphy in health and constipation using oral iodine-131-cellulose, McLean RG; Smart RC; Gaston-Parry D; et al, J Nucl Med 1990; **31:** 985
comparison of oral iodine-131-cellulose and indium-111-DTPA as tracers for colon transit scintigraphy: analysis by colon activity profiles, Smart RC; McLean RG; Gaston-Parry D; et al, J Nucl Med 1991; **32:** 1668
detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK, Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989; **170:** 677
dolichocolon: an incidental finding on gallium scintigraphy, Liu R-S; Lin M-S; Yeh S-H, Clin Nucl Med 1990; **15:** 356
In-111 labeled leukocyte and Ga-67 scintigraphy in cytomegalovirus colitis, Palestro CJ; Kim CK; Needle LB; et al, Clin Nucl Med 1990; **15:** 848
In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT, Radiology 1990; **175:** 163
noninvasive scintigraphic assessment of the colonic transit of nondigestible solids in man, Stubbs JB; Valenzuela GA; Stubbs CC; et al, J Nucl Med 1991; **32:** 1375
preoperative prediction of extent and severity of ischemic colitis by imaging with In-111 labeled leukocytes, Vijayakumar V; Bekerman C; Blend MJ, Clin Nucl Med 1991; **16:** 98
toxic megacolon detected by Tc-99m HMPAO mixed leukocyte scan, Prats E; Banzo J; Nerin J; et al, Clin Nucl Med 1991; **16:** 365

Colon, stenosis or obstruction
acute colonic ileus (pseudo-obstruction) in renal transplant recipients, (ab), Stratta RJ; Starling JR; D'Alessandro AM; et al, Radiology 1989; **171:** 585
colonic stenoses: use of oral barium when retrograde flow is completely obstructed in barium enema studies, Gotta C; Palau GA; Demos TC; Villaveiran RG, Radiology 1990; **177:** 703
interventional radiologic management of enteric strictures, McLean GK; Meranze SG, Radiology 1989; **170:** 1049
obstructive colitis: ulceroinflammatory lesions occurring proximal to colonic obstruction, (ab), Toner M; Condell D; O'Briain DS, Radiology 1991; **178:** 896
percutaneous cecostomy: controlled transperitoneal approach, Morrison MC; Lee MJ; Stafford SA; Saini S; Mueller PR, Radiology 1990; **176:** 574
percutaneous cecostomy for Ogilvie syndrome: laboratory observations and clinical experience, vanSonnenberg E; Varney RR; Casola G; Macaulay S; Wittich GR; Polansky AM; Schechter M, Radiology 1990; **175:** 679
rectosigmoid obstruction caused by ovarian cancer, Taal BG; Steinmetz R; den Hartog Jager FCA, Clin Radiol 1990; **41:** 170
volvulus of the splenic flexure: radiographic features, Mindelzun RE; Stone JM, Radiology 1991; **181:** 221

Colon, stricture
See Colon, stenosis or obstruction

Colon, surgery
lymphoid follicular hyperplasia in excluded colonic segments: a radiologic sign of diversion colitis, Lechner GL; Frank W; Jantsch H; Pichler W; Hall DA; Waneck R; Wunderlich M, Radiology 1990; **176:** 135
radiological appearances of colonic ring staple anastomoses, Daly BD; Crowley BM, Br J Radiol 1989; **62:** 256

Colon, therapeutic radiology
postoperative radiation therapy for incompletely resected colorectal carcinoma, Allee PE; Tepper JE; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1171

Colon, ulcers
colonic aphthous ulcers in pseudomembranous colitis, Millward S; Salonen D; Joanes F, J Canad Assoc Radiol 1989; **40:** 53
idiopathic cecal ulcer: CT findings, Marn CS; Yu B-FB; Nostrant TT; et al, AJR 1989; **153:** 761

Colon, US
appendiceal involvement in cecal carcinoma: demonstration by ultrasound, Becking WB; Puylaert JBCM; Feldberg MAM; et al, Gastrointest Radiol 1989; **14:** 170
can sonography diagnose acute colonic diverticulitis in patients with acute intestinal inflammation? a prospective study, Verbanck JJ; Lambrecht S; Rutgeerts LJ; et al, JCU 1989; **17:** 661
colorectal carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; van Delden OM; Tytgat GNJ, Radiology 1991; **179:** 165
diagnosis of acute ulcerative colitis and colonic Crohn's disease by colonic sonography, Limberg B, JCU 1989; **17:** 25
imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308
imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283
pseudomembranous colitis: sonographic features, Downey DB; Wilson SR, Radiology 1991; **180:** 61
sonographic features of colonic Crohn's disease: comparison of in vivo and in vitro studies, Limberg B, JCU 1990; **18:** 161
ultrasonic and CT findings in penicillin-induced nonpseudomembranous colitis, Matsumoto T; Iida M; Matsui T; et al, Gastrointest Radiol 1990; **15:** 329
ultrasonic patterns in inflammatory bowel disease, Khaw KT; Yeoman LJ; Saverymuttu SH; et al, Clin Radiol 1991; **43:** 171
uncomplicated acute diverticulitis of the cecum and ascending colon: sonographic findings in 18 patients, Wada M; Kikuchi Y; Doy M, AJR 1990; **155:** 283
value of sonography in the diagnosis of acute diverticulitis of the colon, Wilson SR; Toi A, AJR 1990; **154:** 1199

Colonoscopy
air-contrast barium enema studies after flexible proctosigmoidoscopy: randomized controlled clinical trial, Marshall JB; Hoyt TS; Seger RM; Reid JC; Beyer KL; Butt JH, Radiology 1990; **176:** 549
colonoscopically detected colorectal cancer missed on barium enema, Anderson N; Cook HB; Coates R, Gastrointest Radiol 1991; **16:** 123
hyperplastic polyps seen at sigmoidoscopy are markers for additional adenomas seen at colonoscopy, (ab), Blue MG; Sivak MV Jr; Achkar E; et al, Radiology 1991; **180:** 587

screening colonoscopy in asymptomatic average-risk persons with negative fecal occult blood tests, (ab), Rex DK; Lehman GA; Hawes RH; et al, Radiology 1991; **180:** 587
through the colonoscope—a radiologist's view, Rawlinson J; Tate JJT; Shepherd DFC; et al, Clin Radiol 1990; **41:** 253

Compensators
algorithm for design of beam compensators, Renner WD; O'Connor TP; Bermudez NM, Int J Radiat Oncol Biol Phys 1989; **17:** 227

Computed tomographic (CT) guidance
5-year experience with 307 CT-guided renal biopsies: results and complications, Sateriale M; Cronan JJ; Savadier LD, JVIR 1991; **2:** 401
coaxial needle system of MR- and CT-guided aspiration cytology, Lufkin R; Layfield L, JCAT 1989; **13:** 1105
complications after CT-guided needle biopsy through aerated versus nonaerated lung, Haramati LB; Austin JHM, Radiology 1991; **181:** 778
comprehensive approach to CT-guided procedures with a hand-held guidance device, Palestrant AM, Radiology 1990; **174:** 270
CT and sonographically guided needle biopsy: current techniques and new innovations, Charboneau JW; Reading CC; Welch TJ, AJR 1990; **154:** 1
CT-guided biopsy of pelvic masses, Triller J; Maddern G; Kraft P; et al, Cardiovasc Intervent Radiol 1991; **14:** 63
CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493
CT-guided core biopsy using a new guidance device, Magnusson A; Akerfeldt D, Acta Radiol 1991; **32:** 83
CT-guided extrapleural drainage of bronchogenic cyst, Adam A; MacSweeney JE; Whyte MKB; et al, JCAT 1989; **13:** 1065
CT-guided liver biopsy: an update, Ha HK; Sachs PB; Haaga JR; et al, Clin Imag 1991; **15:** 99
CT-guided percutaneous large-bore biopsies in benign and malignant pediatric lesions, Klose K-C; Mertens R; Alzen G; et al, Cardiovasc Intervent Radiol 1991; **14:** 78
CT-guided thermocouple placement for hyperthermia treatment, Banerian KG; Roberts JL; Borrego JC; Martinez A, Radiographics 1990; **10:** 499
CT-guided transthoracic needle biopsy, Gardner D; vanSonnenberg E; D'Agostino HB; et al, Cardiovasc Intervent Radiol 1991; **14:** 17
CT or US-guided fine needle aspiration biopsy in gastric neoplasms, Bree RL; McGough MF; Schwab RE, JCAT 1991; **15:** 565
device for CT-guided needle punctures: technical note, Reuther G, Cardiovasc Intervent Radiol 1991; **14:** 191
early diagnosis of pancreatic infection by computed tomography-guided aspiration, (ab), Gerzof SG; Banks PA; Robbins AH; et al, Radiology 1989; **170:** 900
fine needle aspiration in the chest under CT control, Knox AM; Fon GT; Orell S, Australas Radiol 1991; **35:** 152
gantry tilt technique for CT-guided biopsy and drainage, Yueh N; Halvorsen RA Jr; Letourneau JG; et al, JCAT 1989; **13:** 182
guidance device for CT-guided procedures, Reyes GD, Radiology 1990; **176:** 863
laser projection system for radiotherapy and CT-guided biopsy, Nagata Y; Nishidai T; Abe M; et al, JCAT 1990; **14:** 1046
lung abscess: CT-guided drainage, vanSonnenberg E; D'Agostino HB; Casola G; Wittich GR; Varney RR; Harker C, Radiology 1991; **178:** 347
misdiagnosis or missed diagnosis? thoracic actinomycosis and carcinoma on sequential CT-guided lung biopsies, Macaulay SE; vanSonnenberg E; Casola G; et al, AJR 1990; **155:** 1183
modified "tores" biopsy needle for use in C.T. guided mediastinal and paraspinal biopsy, Cameron DC, Australas Radiol 1989; **33:** 101
needle holder for use with a biopsy gun, Chenoweth JL; Patel B, Radiology 1991; **181:** 285
new device for CT-targeted percutaneous punctures, Ozdoba C; Voigt K; Nüsslin F, Radiology 1991; **180:** 576
pelvic abscesses: CT-guided transrectal drainage, Gazelle GS; Haaga JR; Stellato TA; Gauderer MWL; Plecha DT, Radiology 1991; **181:** 49
percutaneous biopsies of the thoracic spine under CT guidance: transcostovertebral approach, Brugieres P; Gaston A; Heran F; et al, JCAT 1990; **14:** 446
preoperative CT-guided percutaneous localization of small masses with a Kopans needle, Finch IJ, AJR 1991; **157:** 179
stereotactic retrobulbar anesthesia using CT, Vogl G; Schimek F; Ozdoba C; et al, JCAT 1990; **14:** 859
technique for computer-guided stereotaxis without preoperative head fixation, Giller CA; Purdy P, Comput Med Imag Graph 1990; **14:** 231

Computed tomography (CT)
cross sectional medical imaging: a history, Hendee WR, Radiographics 1989; **9:** 1155
human face representation by means of polynomial expansion of the harmonic descriptors of tomograms, Morasso P; Ruggiero C, Comput Med Imag Graph 1990; **14:** 389
pulmonary masses: contrast enhancement, Littleton JT; Durizch ML; Moeller G; Herbert DE, Radiology 1990; **177:** 861

Computed tomography (CT), artifact
assessment of computed tomographic artefact in the putuitary fossa following needle implantation of radioactive rods, O'Donnell CJ; Yong K; Joplin GF, Clin Radiol 1989; **40:** 154
cranial CT artifacts and gantry angulation, Rozeik C; Kotterer O; Preiss J; et al, JCAT 1991; **15:** 381
motion artifact simulating aortic dissection on CT, Burns MA; Molina PL; Gutierrez FR; et al, AJR 1991; **157:** 465
round CT film static artifacts: simulation of focal pathology, Wilbur AC; Kriz RJ, JCAT 1989; **13:** 730

Computed tomography (CT), cine
airway evaluation in children with use of ultrafast CT: pitfalls and recommendations, Brody AS; Kuhn JP; Seidel FG; Brodsky LS, Radiology 1991; **178:** 181
cine-computed tomographic assessment of regional renal blood flow, Jaschke W; Sievers RS; Lipton MJ; et al, Acta Radiol 1990; **31:** 77
clinical experience with rapid acquisition cardiovascular CT imaging (cine CT) in the adult patient, Steiner RM; Flicker S; Eldredge WJ; Naidech H; Altin R; Cardinal B, Radiographics 1989; **9:** 283
determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; **171:** 213
obstructive sleep apnea: diagnosis with ultrafast CT, Galvin JR; Rooholamini SA; Stanford W, Radiology 1989; **171:** 775
quantitation of the in vivo kidney volume with cine computed tomography, Lerman LO; Bentley MD; Bell MR; et al, Invest Radiol 1990; **25:** 1206

Computed tomography (CT), clinical effectiveness
acute pancreatitis: value of CT in establishing prognosis, Balthazar EJ; Robinson DL; Megibow AJ; Ranson JHC, Radiology 1990; **174:** 331
chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111
CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309
CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309
CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Umlas S-L; Cronan JJ, Radiology 1991; **180:** 310
pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22
pulmonary septic emboli: diagnosis with CT, Kuhlman JE; Fishman EK; Teigen C, Radiology 1990; **174:** 211
sigmoid diverticulitis: diagnostic role of CT—comparison with barium enema studies, Cho KC; Morehouse HT; Alterman DD; Thornhill BA, Radiology 1990; **176:** 111
splenic trauma: can CT grading systems enable prediction of successful nonsurgical treatment?, Umlas S-L; Cronan JJ, Radiology 1991; **178:** 481

Computed tomography (CT), comparative studies
acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875
acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875
assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Remy-Jardin M; Remy J; Deffontaines C; Duhamel A, Radiology 1991; **181:** 157
band heterotopias: a newly recognized neuronal migration anomaly, Barkovich AJ; Jackson DE Jr; Boyer RS, Radiology 1989; **171:** 455
bladder cancer: staging with CT and MR imaging, Husband JES; Olliff JFC; Williams MP; Heron CW; Cherryman GR, Radiology 1989; **173:** 435
chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111
chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C, Radiology 1991; **179:** 123
comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223
comparison of CT, low-field-strength MR imaging, and high-field-strength MR imaging: work in progress, Orrison WW Jr; Stimac GK; Stevens EA; LaMasters DL; Espinosa MC; Cobb L; Mettler FA Jr, Radiology 1991; **181:** 121
computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99
CT and MR imaging in staging non–small cell bronchogenic carcinoma: report of the Radiologic Diagnostic Oncology Group, Webb WR; Gatsonis C; Zerhouni EA; Heelan RT; Glazer GM; Francis IR; McNeil BJ, Radiology 1991; **178:** 705
detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW, Radiology 1989; **171:** 47
detection of hepatocellular carcinoma: comparison of CT during arterial portography with CT after intraarterial injection of iodized oil, Merine D; Takayasu K; Wakao F, Radiology 1990; **175:** 707
determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; **171:** 213
epithelial tumors of the ovary: comparison of MR and CT findings, Ghossain MA; Buy J-N; Lignères C; Bazot M; Hassen K; Malbec L; Hugol D; Truc JB; Decroix Y; Poitout P; Vadrot D, Radiology 1991; **181:** 863
epithelial tumors of the ovary: CT findings and correlation with US, Buy J-N; Ghossain MA; Sciot C; Bazot M; Guinet C; Prévot S; Hugol D; Laromiguiere M; Truc JB; Poitout P; Vadrot D; Ecoiffier J, Radiology 1991; **178:** 811
hepatic tumors: comparison of CT during arterial portography, delayed CT, and MR imaging for preoperative evaluation, Nelson RC; Chezmar JL; Sugarbaker PH; Bernardino ME, Radiology 1989; **172:** 27

hepatocellular carcinomas with excessive copper accumulation: CT and MR findings, Kitagawa K; Matsui O; Kadoya M; Takashima T; Kawamori Y; Yamahana T; Kidani H; Hirano M; Masuda S; Nakanuma Y; Haratake J, Radiology 1991; **180:** 623

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; **172:** 689

inferior hilar window, Park C-K; Webb WR; Klein JS, Radiology 1991; **178:** 163

intrathoracic complications following allogeneic bone marrow transplantation: CT findings, Graham NJ; Müller NL; Miller RR; Shepherd JD, Radiology 1991; **181:** 153

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

lymphoma of the mediastinum and neck: evaluation with Ga-67 imaging and CT correlation, Drossman SR; Schiff RG; Kronfeld GD; McNamara J; Leonidas JC, Radiology 1990; **174:** 171

mediastinal tumors: sensitivity of detection with sonography compared with CT and radiography, Wernecke K; Vassallo P; Pötter R; Lückener H-G; Peters PE, Radiology 1990; **175:** 137

medullary sponge kidney on axial computed tomography: comparison with excretory urography, Ginalski J-M; Schnyder P; Portmann L; et al, Eur J Radiol 1991; **12:** 104

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management, Pond GD; Castellino RA; Horning S; Hoppe RT, Radiology 1989; **170:** 159

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

pituitary microadenomas: a PET study, De Souza B; Brunetti A; Fulham MJ; Brooks RA; DeMichele D; Cook P; Nieman L; Doppman JL; Oldfield EH; Di Chiro G, Radiology 1990; **177:** 39

pulmonary contusion: CT vs plain radiograms, Schild HH; Strunk H; Weber W; et al, JCAT 1989; **13:** 417

pulmonary histiocytosis X: comparison of radiographic and CT findings, Moore ADA; Godwin JD; Müller NL; Naidich DP; Hammar SP; Buschman DL; Takasugi JE; de Carvalho CRR, Radiology 1989; **172:** 249

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

pulmonary lymphangiomyomatosis: correlation of CT with radiographic and functional findings, Müller NL; Chiles C; Kullnig P, Radiology 1990; **175:** 335

pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22

pulmonary septic emboli: diagnosis with CT, Kuhlman JE; Fishman EK; Teigen C, Radiology 1990; **174:** 211

sigmoid diverticulitis: diagnostic role of CT—comparison with barium enema studies, Cho KC; Morehouse HT; Alterman DD; Thornhill BA, Radiology 1990; **176:** 111

solitary pulmonary nodules: comparison of classification with standard, thin-section, and reference phantom CT, Khan A; Herman PG; Vorwerk P; Stevens P; Rojas KA; Graver M, Radiology 1991; **179:** 477

superior sulcus tumors: CT and MR imaging, Heelan RT; Demas BE; Caravelli JF; Martini N; Bains MS; McCormack PM; Burt M; Panicek DM; Mitzner A, Radiology 1989; **170:** 637

use of water or air as oral contrast media for computed tomographic study of the gastric wall: comparison of the two techniques, Gossios KJ; Tsianos EV; Demou LL; et al, Gastrointest Radiol 1991; **16:** 293

Computed tomography (CT), computer programs

diagnosis with CT at an electronic workstation, Foley WD, Radiology 1991; **178:** 631

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

interactive real-time multiplanar CT imaging, Ney DR; Fishman EK; Magid D; Kuhlman JE, Radiology 1989; **170:** 275

primary CT diagnosis of abdominal masses in a PACS environment, Straub WH; Gur D; Good WF; Campbell WL; Davis PL; Hecht ST; Skolnick ML; Thaete FL; Rosenthal MS; Sashin D, Radiology 1991; **178:** 739

Computed tomography (CT), contrast media

accuracy of xenon CT measurement of cerebral blood flow, Stringer WA, AJNR 1991; **12:** 86

additional comment: dynamic hepatic CT, Berland LL, Radiology 1991; **181:** 22

angiogenesis and blood-brain barrier breakdown modulate CT contrast enhancement: an experimental study in a rabbit brain-tumor model, Zagzag D; Goldenberg M; Brem S, AJNR 1989; **10:** 529

biodistribution and clearance of contrast-carrying MREV liposomes, White C; Slifkin M; Seltzer SE; et al, Invest Radiol 1990; **25:** 1125

bowel opacification for abdominal computed tomography in children: a clinical trial of oral Telebrix 38, Tannous WN; Azouz EM, J Canad Assoc Radiol 1991; **42:** 102

choice of contrast material for four-hour delayed contrast-enhanced computed tomography of the liver, Feuerstein IM; Girton ME, Invest Radiol 1989; **24:** 776

comparison of Telebrix Gastro and Gastrografin in abdominal computed tomography, van Waes PFGM; Feldberg MAM; Barth P, Eur J Radiol 1989; **9:** 179

computed tomography of the rectum with water as contrast agent, Baert AL; Roex L; Wilms G; et al, Gastrointest Radiol 1989; **14:** 345

contrast-enhanced CT of the liver and spleen: comparison of ionic and nonionic contrast agents, Nelson RC; Chezmar JL; Peterson JE; et al, AJR 1989; **153:** 973

contrast enhancement of liver parenchyma and biliary tract related to liver function at delayed computed tomography, Tidebrant G; Lukes P; Tylén U, Acta Radiol 1990; **31:** 265

dynamic CT of hepatic masses using intraarterial enhancement: advantages and pitfalls, Dolenz KB; Li KCP; Hawkins IF Jr; et al, Gastrointest Radiol 1990; **15:** 241

dynamic CT of the neck, Gay SB; Pevarski DR; Phillips CD; Levine PA, Radiology 1991; **180:** 284

dynamic hepatic CT: Drs Cox and Foley reply, Cox IH; Foley WD, Radiology 1991; **181:** 23

dynamic hepatic CT: Dr. Walkey replies, Walkey MM, Radiology 1991; **181:** 21

dynamic hepatic CT: how many years will it take 'til we learn?, Walkey MM, Radiology 1991; **181:** 17

experimental investigation of a new iodinated lipid emulsion for computed tomography of the liver, Ivancev K; Lunderquist A; McCuskey R; et al, Acta Radiol 1989; **30:** 407

extravasation of iopamidol and iohexol during contrast-enhanced CT: report of 28 cases, Sistrom CL; Gay SB; Peffley L, Radiology 1991; **180:** 707

Gd-DTPA as a contrast agent in CT, Bloem JL; Wondergem J, Radiology 1989; **171:** 578

Hexabrix 320[R] for C.T. (computed tomography)—patient tolerance and image quality, Stuckey JG; James RH, Australas Radiol 1990; **34:** 40

high-dose contrast-enhanced computed tomography (CECT) with iopamidol in the detection of cerebral metastases: tolerance of the contrast agent, Leonardi M; Lavaroni A; Biasizzo E; et al, Neuroradiol 1989; **31:** 148

intraperitoneal contrast material improves the CT detection of peritoneal metastases, Halvorsen RA Jr; Panushka C; Oakley GJ; et al, AJR 1991; **157:** 37

ioxaglate-carrying liposomes: computed tomographic study as hepatosplenic contrast agent in rabbits, Revel D; Corot C; Carrillon Y; et al, Invest Radiol 1990; **25:** S95

liposomes loaded with nonionic contrast media: hepatosplenic computed tomographic enhancement, Passariello R; Pavone P; Patrizio G; et al, Invest Radiol 1990; **25:** S92

measurement of cerebral blood flow by the stable xenon computerized tomography method, Bidabé AM; Gense de Beaufort D; Gin AM; et al, J Neuroradiol 1990; **17:** 103

optimization of low-osmolality contrast media for cranial CT: a dose comparison of two contrast agents, Kuhn MJ; Baker MR, AJNR 1990; **11:** 847

particulate contrast medium for computed tomography of the liver, Gjøen T; Strande P; Golman K; et al, Invest Radiol 1990; **25:** S98

perfluorooctylbromide: a new contrast agent for CT, sonography, and MR imaging, Mattrey RF, AJR 1989; **152:** 247

periportal contrast enhancement on CT scans of the liver, Hammerman AM; Kotner LM Jr; Doyle TB, AJR 1991; **156:** 313

potential role of perfluorooctylbromide in the detection and characterization of liver lesions with CT, Mattrey RF, Radiology 1989; **170:** 18

radio-opaque liposomes for the improved visualization of focal liver disease by computerized tomography, Henze A; Freise J; Magerstedt P; et al, Comput Med Imag Graph 1989; **13:** 455

rationales for the use of intravenous contrast medium in computed tomography, Albertyn LE, Australas Radiol 1989; **33:** 29

reaction to contrast media in contrast-enhanced CT of the brain: a comparative investigation of non-ionic Ultravist and ionic Urografin-meglumin, Jensen PR; Øwre A; Åhlgren P, Eur J Radiol 1989; **9:** 144

rectal carcinoma: CT staging with water as contrast medium, Angelelli G; Macarini L; Lupo L; Caputi-Jambrenghi O; Pannarale O; Memeo V, Radiology 1990; **177:** 511

right window for dynamic hepatic CT, Cox IH; Foley WD; Hoffman RG, Radiology 1991; **181:** 18

safe use of an intravenous power injector for CT: experience and protocol, Miles SG; Rasmussen JF; Litwiller T; Osik A, Radiology 1990; **176:** 69

Telebrix: a better-tasting oral contrast agent for abdominal computed tomography, Bach DB, J Canad Assoc Radiol 1991; **42:** 98

use of water or air as oral contrast media for computed tomographic study of the gastric wall: comparison of the two techniques, Gossios KJ; Tsianos EV; Demou LL; et al, Gastrointest Radiol 1991; **16:** 293

value of contrast enhanced CT scanning in the non-trauma emergency room patient, Wood LP; Parisi M; Finch IJ, Neuroradiol 1990; **32:** 261

xenon-enhanced CT of the brain: effect of flow activation on derived cerebral blood flow measurements, Good WF; Gur D, AJNR 1991; **12:** 83

Computed tomography (CT), dual-energy

bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143

evaluation of postprocessing dual-energy methods in quantitative computed tomography: part 1. theoretical considerations, Van Kuijk C; Grashuis JL; Steenbeek JCM; et al, Invest Radiol 1990; **25:** 876

evaluation of postprocessing dual-energy methods in quantitative computed tomography: part 2. practical aspects, Van Kuijk C; Grashuis JL; Steenbeek JCM; et al, Invest Radiol 1990; **25:** 882

fatty replacement of spinal bone marrow due to radiation: demonstration by dual energy quantitative CT and MR imaging, Rosenthal DI; Hayes CW; Rosen B; et al, JCAT 1989; **13:** 463

local differences in mineral content in vertebral trabecular bone measured by dual-energy computed tomography, Nepper-Rasmussen J; Mosekilde L, Acta Radiol 1989; **30:** 369

reference values for trabecular and cortical vertebral bone density in single and dual-energy quantitative computed tomography, Kalender WA; Felsenberg D; Louis O; et al, Eur J Radiol 1989; **9:** 75

Computed tomography (CT), efficacy studies

See Efficacy study, CT

Computed tomography (CT), emission

See Emission CT

Computed tomography (CT), experimental

acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA, Radiology 1990; **174:** 233

histological description of tomographic images of *Taenia solium* cysticerci in pig brains, De Aluja AS; González D; Carbajal JR; et al, Clin Imag 1989; **13:** 292

inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Shaffer PB; Chandnani VP; Beltran J, Radiology 1991; **178:** 582

inappropriate use of a χ^2 test in modality comparison study of related samples, Mann FA; Hildebolt CF, Radiology 1991; **178:** 582

in vitro dissolution of gallstones with MTBE: correlation with characteristics at CT and MR imaging, Baron RL; Kuyper SJ; Lee SP; Rohrmann CA Jr; Shuman WP; Nelson JA, Radiology 1989; **173:** 117

sequential morphologic changes of elastase-induced pulmonary emphysema in pig lungs: evaluation by high-resolution computed tomography, Noma S; Herman PG; Khan A; et al, Invest Radiol 1991; **26:** 446

Computed tomography (CT), high-resolution

airway, Takasugi JE; Godwin JD, Semin Roentgenol 1991; **26:** 175

airway evaluation in children with use of ultrafast CT: pitfalls and recommendations, Brody AS; Kuhn JP; Seidel FG; Brodsky LS, Radiology 1991; **178:** 181

apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727

artifacts on lung CT scans: removal with Fourier filtration, Helenon O; Chanin DS; Laval-Jeantet M; Frija J, Radiology 1989; **171:** 572

asbestosis: high-resolution CT–pathologic correlation, Akira M; Yamamoto S; Yokoyama K; Kita N; Morinaga K; Higashihara T; Kozuka T, Radiology 1990; **176:** 389

assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Remy-Jardin M; Remy J; Deffontaines C; Duhamel A, Radiology 1991; **181:** 157

assessment of pulmonary airway reactivity with high-resolution CT, Herold CJ; Brown RH; Mitzner W; Links JM; Hirshman CA; Zerhouni EA, Radiology 1991; **181:** 369

brochiolitis obliterans after lung transplantation: findings at chest radiography and high-resolution CT, Morrish WF; Herman SJ; Weisbrod GL; Chamberlain DW; Toronto Lung Transplant Group, Radiology 1991; **179:** 487

differential diagnosis of chronic diffuse infiltrative lung disease on high-resolution computed tomography, Müller NL, Semin Roentgenol 1991; **26:** 132

early asbestosis: evaluation with high-resolution CT, Akira M; Yokoyama K; Yamamoto S; Higashihara T; Morinaga K; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1991; **178:** 409

high res. lution computed tomography in adult cystic fibrosis patients with mild lung disease, Santis G; Hodson ME; Strickland B, Clin Radiol 1991; **44:** 20

high-resolution computed tomography in pulmonary sarcoidosis, Dawson WB; Müller NL, Semin US CT MR 1990; **11:** 423

high-resolution computed tomography of asbestos-related diseases, Aberle DR, Semin Roentgenol 1991; **26:** 118

high-resolution computed tomography of cystic lung disease, Naidich DP, Semin Roentgenol 1991; **26:** 151

high-resolution computed tomography of focal lung disease, Templeton PA; Zerhouni EA, Semin Roentgenol 1991; **26:** 143

high-resolution computed tomography of the lung: normal and abnormal anatomy, Webb WR, Semin Roentgenol 1991; **26:** 110

high-resolution computed tomography of the pulmonary parenchyma, Noma S; Khan A; Herman PG; et al, Semin US CT MR 1990; **11:** 365

high resolution computed tomography: technical aspects, Mayo JR, Radiol Clin North Am 1991; **29:** 1043

high-resolution computed tomography technique, Mayo JR, Semin Roentgenol 1991; **26:** 104

high-resolution CT of the lung parenchyma, Webb WR, Radiol Clin North Am 1989; **27:** 1085

high resolution lung computed tomography: normal anatomic and pathologic findings, Webb WR, Radiol Clin North Am 1991; **29:** 1051

low-dose high-resolution CT of lung parenchyma, Zwirewich CV; Mayo JR; Müller NL, Radiology 1991; **180:** 413

pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243

pulmonary parenchymal disease: evaluation with high-resolution CT, Murata K; Khan A; Herman PG, Radiology 1989; **170:** 629

sequential morphologic changes of elastase-induced pulmonary emphysema in pig lungs: evaluation by high-resolution computed tomography, Noma S; Herman PG; Khan A; et al, Invest Radiol 1991; **26:** 446

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Miller RR; Müller NL, Radiology 1991; **179:** 469

thoracic radiology. RSNA '89 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1990; **174:** 596

thoracic radiology: RSNA '90 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Schaefer C; Spirn PW; Stark P, Radiology 1991; **178:** 916

Computed tomography (CT), image display and recording

craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 669

craniosynostosis: image quality, confidence, and correctness in diagnosis, Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 675

diagnosis with CT at an electronic workstation, Foley WD, Radiology 1991; **178:** 631

display of CT studies on a two-screen electronic workstation versus a film panel alternator: sensitivity and efficiency among radiologists, Foley WD; Jacobson DR; Taylor AJ; Goodman LR; Stewart ET; Gurney JW; Stroka D, Radiology 1990; **174:** 769

interactive real-time multiplanar CT imaging, Ney DR; Fishman EK; Magid D; Kuhlman JE, Radiology 1989; **170:** 275

multidimensional interactive display of CT and MRI data, Fishman EK; Ney DR, Comput Med Imag Graph 1990; **14:** 237

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

primary CT diagnosis of abdominal masses in a PACS environment, Straub WH; Gur D; Good WF; Campbell WL; Davis PL; Hecht ST; Skolnick ML; Thaete FL; Rosenthal MS; Sashin D, Radiology 1991; **178:** 739

three-dimensional imaging of the thoracic cavity, Stern RL; Cline HE; Johnson GA; et al, Invest Radiol 1989; **24:** 282

three dimensional reconstruction in coronal synostosis: pre and post operative appearances, Cremin BJ; Zeeman BJ, Pediatr Radiol 1989; **19:** 313

Computed tomography (CT), image processing

artifacts on lung CT scans: removal with Fourier filtration, Helenon O; Chanin DS; Laval-Jeantet M; Frija J, Radiology 1989; **171:** 572

CT-SPECT fusion to correlate radiolabeled monoclonal antibody uptake with abdominal CT findings, Kramer EL; Noz ME; Sanger JJ; Megibow AJ; Maguire GQ, Radiology 1989; **172:** 861

diagnosis with CT at an electronic workstation, Foley WD, Radiology 1991; **178:** 631

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

full-frame transform compression of CT and MR images, Chan KK; Lou S-L; Huang HK, Radiology 1989; **171:** 847

interactive real-time multiplanar CT imaging, Ney DR; Fishman EK; Magid D; Kuhlman JE, Radiology 1989; **170:** 275

pixel overflow artifacts in SPECT evaluation of the skeleton, Bunker SR; Handmaker H; Torre DM; Schmidt WP, Radiology 1990; **174:** 229

primary CT diagnosis of abdominal masses in a PACS environment, Straub WH; Gur D; Good WF; Campbell WL; Davis PL; Hecht ST; Skolnick ML; Thaete FL; Rosenthal MS; Sashin D, Radiology 1991; **178:** 739

sacral foramina: view at CT, Magid D; Fishman EK; Ney DR, Radiology 1991; **178:** 573

small nodular lesions in the lung periphery: new approach to diagnosis with CT, Mori K; Saitou Y; Tominaga K; Yokoi K; Miyazawa N; Okuyama A; Sasagawa M, Radiology 1990; **177:** 843

Computed tomography (CT), image quality

artifacts on lung CT scans: removal with Fourier filtration, Helenon O; Chanin DS; Laval-Jeantet M; Frija J, Radiology 1989; **171:** 572

craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 669

craniosynostosis: image quality, confidence, and correctness in diagnosis, Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radioiogy 1989; **173:** 675

low-dose CT of the lungs: preliminary observations, Naidich DP; Marshall CH; Gribbin C; Arams RS; McCauley DI, Radiology 1990; **175:** 729

lung: spiral volumetric CT with single-breath-hold technique, Vock P; Soucek M; Daepp M; Kalender WA, Radiology 1990; **176:** 864

resident interpretation of emergency computed tomographic scans, Roszler MH; McCarroll KA; Rashid T; et al, Invest Radiol 1991; **26:** 374

spiral volumetric CT with single-breath-hold technique, continuous transport, and continuous scanner rotation, Kalender WA; Seissler W; Klotz E; Vock P, Radiology 1990; **176:** 181

visualization and detection–localization on computed tomographic images, Seltzer SE; Swensson RG; Nawfel RD; et al, Invest Radiol 1991; **26:** 285

Computed tomography (CT), in infants and children

airway evaluation in children with use of ultrafast CT: pitfalls and recommendations, Brody AS; Kuhn JP; Seidel FG; Brodsky LS, Radiology 1991; **178:** 181

bowel opacification for abdominal computed tomography in children: a clinical trial of oral Telebrix 38, Tannous WN; Azouz EM, J Canad Assoc Radiol 1991; **42:** 102

cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P, Radiology 1990; **175:** 111

comparison of plain radiographs and coronal CT scans in infants and children with recurrent sinusitis, McAlister WH; Lusk R; Muntz HR, AJR 1989; **153:** 1259

computed tomography in the diagnosis of lymphangiomas in infants and children, Caro PA; Mahboubi S; Faerber EN, Clin Imag 1991; **15:** 41

congenital neuroblastoma: evaluation with multimodality imaging, Forman HP; Leonidas JC; Berdon WE; Slovis TL; Wood BP; Samudrala R, Radiology 1990; **175:** 365

coronal computed tomography, Friedman L; Halls SB, J Canad Assoc Radiol 1990; **41:** 287

CT of the pancreas in children, Herman TE; Siegel MJ, AJR 1991; **157:** 375

high dose chloral hydrate sedation for children undergoing CT, Greenberg SB; Faerber EN; Aspinall CL, JCAT 1991; **15:** 467

indications for computed tomography in children with blunt abdominal trauma, (ab), Taylor GA; Eichelberger MR; O'Donnell R; et al, Radiology 1991; **181:** 296

ingested raisins simulating abdominal calcifications, Steinberg AW; Lloyd R; Wood BP, Radiology 1990; **174:** 576

intracranial tuberculosis in children: CT appearance and clinical outcome, Wallace RC; Burton EM; Barrett FF; et al, Pediatr Radiol 1991; **21:** 241

iohexol for contrast enhancement of bowel in pediatric abdominal CT, Smevik B; Westvik J, Acta Radiol 1990; **31:** 601

monitoring sedated pediatric patients during MR imaging, Shellock FG, Radiology 1990; **177:** 586

optimal CT settings for head imaging in the paediatric patient: an analysis of absorbed dose, Damilakis JE; Tsouderos JG, Eur J Radiol 1989; **9:** 48

pachygyriclike changes: topographic appearance at MR imaging and CT and correlation with neurologic status, Titelbaum DS; Hayward JC; Zimmerman RA, Radiology 1989; **173:** 663

pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243

pediatric sedation, Cohen MD, Radiology 1990; **175:** 611

sedation in pediatric CT: national survey of current practice, Keeter S; Benator RM; Weinberg SM; Hartenberg MA, Radiology 1990; **175:** 745

sedation of pediatric patients: an anesthesiologist's perspective, Fisher DM, Radiology 1990; **175:** 613

technical aspects of abdominal CT in infants and children, Kaufman RA, AJR 1989; **153:** 549

transient gyriform brightness on non-contrast enhanced computed tomography (CT) brain scan of seven infants, Close PJ; Carty HM, Pediatr Radiol 1991; **21:** 189

use of oximetry during MR imaging of pediatric patients, Fisher DM; Litt L; Coté CJ, Radiology 1991; **178:** 891

Computed tomography (CT), pediatric

See Computed tomography (CT), in infants and children

Computed tomography (CT), physics

evaluation of methods for shaded surface display of CT volumes, Magnusson M; Lenz R; Danielsson P-E, Comput Med Imag Graph 1991; **15:** 247

spiral volumetric CT with single-breath-hold technique, continuous transport, and continuous scanner rotation, Kalender WA; Seissler W; Klotz E; Vock P, Radiology 1990; **176:** 181

Computed tomography (CT), preoperative

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Umlas S-L; Cronan JJ, Radiology 1991; **180:** 310

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; **181:** 342

preoperative computed tomography staging of rectal carcinoma, Nanakawa S; Takahashi M; Kojima R; et al, Clin Imag 1989; **13:** 29

preoperative staging of esophageal cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Urmacher C; Brennan MF, Radiology 1991; **181:** 419

shoulder joint: arthrographic CT and long-term follow-up, with surgical correlation, Wilson AJ; Totty WG; Murphy WA Jr; Hardy DC, Radiology 1989; **173:** 329

shoulder joint: arthrographic CT appearance, Pennes DR, Radiology 1990; **175:** 878

shoulder joint: arthrographic CT appearance: reply, Murphy WA, Radiology 1990; **175:** 879

splenic trauma: can CT grading systems enable prediction of successful nonsurgical treatment?, Umlas S-L; Cronan JJ, Radiology 1991; **178:** 481

surgical decision making for large bowel cancer metastatic to the liver, Sugarbaker PH, Radiology 1990; **174:** 621

Computed tomography (CT), radiation exposure

absorbed dose resulting from a specially designed computed tomography technique for examination of the urinary bladder, Sager EM; Skretting A; Lindsköld L, Acta Radiol 1989; **30:** 57

comparison of radiation doses to the breast in computed tomographic chest examinations for two scanning protocols, Evans SH; Davis R; Cooke J; et al, Clin Radiol 1989; **40:** 45

determinations of organ doses and effective dose equivalents from computed tomographic examination, Nishizawa K; Maruyama T; Takayama M; et al, Br J Radiol 1991; **64:** 20

method for estimating embryo doses resulting from computed tomographic examinations, Panzer W; Zankl M, Br J Radiol 1989; **62:** 936

optimal CT settings for head imaging in the paediatric patient: an analysis of absorbed dose, Damilakis JE; Tsouderos JG, Eur J Radiol 1989; **9:** 48

paranasal sinuses: low-dose CT, Marmolya G; Wiesen EJ; Yagan R; Haria CD; Shah AC, Radiology 1991; **181:** 689

patient doses from computed tomography in Manitoba from 1977 to 1987, Huda W; Sandison GA; Lee TY, Br J Radiol 1989; **62:** 138

radiation doses to the lens of the eye during computerised tomography of the orbit: a comparison of four modern computerised tomography units, Siddle KJ; Sim LH; Case CC, Australas Radiol 1990; **34:** 323

radiation dose to the lens of the eye during computerised tomography examinations of the orbit, the pituitary fossa and the brain on a General Electric 9800 Quick C.T. scanner, Siddle KJ; Sim L, Australas Radiol 1990; **34:** 326

Computed tomography (CT), technology

accurate three-dimensional registration of CT, PET, and/or MR images of the brain, Pelizzari CA; Chen GTY; Spelbring DR; et al, JCAT 1989; **13:** 20

additional comment: dynamic hepatic CT, Berland LL, Radiology 1991; **181:** 22

application of region of interest definition to quadtree-based compression of CT images, Halpern EJ; Premkumar A; Mullen DJ; et al, Invest Radiol 1990; **25:** 703

cancellous bone structure: analysis of high-resolution CT images with the run-length method, Durand EP; Rüegsegger P, JCAT 1991; **15:** 133

clinical experience with rapid acquisition cardiovascular CT imaging (cine CT) in the adult patient, Steiner RM; Flicker S; Eldredge WJ; Naidech H; Altin R; Cardinal B, Radiographics 1989; **9:** 283

composite addition technique: a new method in CT scanning of the posterior fossa, Levy JM; Hupke R, AJNR 1991; **12:** 686

composite SPECT-CT images: technique and potential applications in chest and abdominal imaging, Kaplan IL; Swayne LC, AJR 1989; **152:** 865

computer independent sidemarker for CT scanners, Söderman M, Acta Radiol 1990; **31:** 628

coronal computed tomography, Friedman L; Halls SB, J Canad Assoc Radiol 1990; **41:** 287

cranial CT artifacts and gantry angulation, Rozeik C; Kotterer O; Preiss J; et al, JCAT 1991; **15:** 381

demonstration of hepatic veins by computed tomography using axial and angulated scanning, Tidebrant G; Lukes P; Tylén U; et al, Acta Radiol 1991; **32:** 149

detection of asbestosis with high-resolution CT, Friedman AC; Radecki PD; Fiel SB, Radiology 1989; **170:** 278

detection of asbestosis with high-resolution CT: reply, Aberle DR; Gamsu G, Radiology 1989; **170:** 278

dynamic hepatic CT, Foley WD, Radiology 1989; **170:** 617

dynamic hepatic CT: Drs Cox and Foley reply, Cox IH; Foley WD, Radiology 1991; **181:** 23

dynamic hepatic CT: Dr. Walkey replies, Walkey MM, Radiology 1991; **181:** 21

dynamic hepatic CT: how many years will it take 'til we learn?, Walkey MM, Radiology 1991; **181:** 17

dynamic, incremental computed tomography using a high heat capacity tube, solid-state detector, and automated injector: potential in body imaging, Baker ME; Cohan RH; Cooper C; et al, Clin Imag 1989; **13:** 189

electrical impedance tomography: a non-invasive imaging system, for temperature monitoring, Blad B; Bertenstam L; Persson BRR; et al, Acta Radiol 1991; **32:** 85

evaluation of ultrafast CT scanning of the adult abdomen, Goldberg HI; Gould RG; Feuerstein IM; et al, Invest Radiol 1989; **24:** 537

flat-top patient support for radiotherapy application computed tomographic scanning, Clark J; Seaby AW; White MV, Br J Radiol 1990; **63:** 640

high-spatial-frequency (bone) algorithm improves quality of standard CT of the thorax, Zwirewich CV; Terriff B; Müller NL, AJR 1989; **153:** 1169

initial experience with volume CT scanning, Rigauts H; Marchal G; Baert AL; et al, JCAT 1990; **14:** 675

interactive real-time multiplanar CT imaging, Ney DR; Fishman EK; Magid D; Kuhlman JE, Radiology 1989; **170:** 275

liver-tumor boundary detection: human observer vs computer edge detection, Williams DM; Bland P; Liu L; et al, Invest Radiol 1989; **24:** 768

low-dose CT of the lungs: preliminary observations, Naidich DP; Marshall CH; Gribbin C; Arams RS; McCauley DI, Radiology 1990; **175:** 729

low-dose high-resolution CT of lung parenchyma, Zwirewich CV; Mayo JR; Müller NL, Radiology 1991; **180:** 413

lung: spiral volumetric CT with single-breath-hold technique, Vock P; Soucek M; Daepp M; Kalender WA, Radiology 1990; **176:** 864

measurement of pulmonary parenchymal attenuation: use of spirometric gating with quantitative CT, Kalender WA; Rienmüller R; Seissler W; Behr J; Welke M; Fichte H, Radiology 1990; **175:** 265

measurement of tissue perfusion by dynamic computed tomography, Miles KA, Br J Radiol 1991; **64:** 409

nasal orientation device to control head movement during CT and MR studies, Tofts PS; Kermode AG; MacManus DG; et al, JCAT 1990; **14:** 163

new device for CT-targeted percutaneous punctures, Ozdoba C; Voigt K; Nüsslin F, Radiology 1991; **180:** 576

normal intrahepatic bile ducts: CT depiction, Liddell RM; Baron RL; Ekstrom JE; Varnell RM; Shuman WP, Radiology 1990; **176:** 633

pulmonary nodule: evaluation with spiral volumetric CT, Costello P; Anderson W; Blume D, Radiology 1991; **179:** 875

right window for dynamic hepatic CT, Cox IH; Foley WD; Hoffman RG, Radiology 1991; **181:** 18

safe use of an intravenous power injector for CT: experience and protocol, Miles SG; Rasmussen JF; Litwiller T; Osik A, Radiology 1990; **176:** 69

sedation in pediatric CT: national survey of current practice, Keeter S; Benator RM; Weinberg SM; Hartenberg MA, Radiology 1990; **175:** 745

simple computerized tomography adapter for conventional stereotactic frame, Fung C-F; Fan Y-W, Comput Med Imag Graph 1991; **15:** 11

simple superimposition method for anatomical adjustments of CT and SPECT images, Vogl G; Schwer C; Jauch M; et al, JCAT 1989; **13:** 929

simple technique for head repositioning in CT scanning, Kingsley DPE; Dale G; Wallis A, Neuroradiol 1991; **33:** 243

spiral volumetric CT with single-breath-hold technique, continuous transport, and continuous scanner rotation, Kalender WA; Seissler W; Klotz E; Vock P, Radiology 1990; **176:** 181

technical exhibits: RSNA '88 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1989; **170:** 919

technical note: mobile CT scanner gantry for use in the operating room, Okudera H; Kobayashi S; Sugita K, AJNR 1991; **12:** 131

technique for cranial CT scanning of excessively obese patients, Finch IJ; Sun Y; Shatsky SA, AJNR 1989; **10:** 434

temporal bone: three-dimensional CT. part I. normal anatomy, techniques, and limitations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 421

temporal bone: three-dimensional CT. part II. pathologic alterations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 427

three-dimensional display in nuclear medicine and radiology, Wallis JW; Miller TR, J Nucl Med 1991; **32:** 534

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

ultrafast computed tomography in cardiac imaging: a review, Stanford W; Galvin JR; Weiss RM; et al, Semin US CT MR 1991; **12:** 45

ultrafast computed tomography techniques in cardiac disease, Flicker S; Naidech HJ; Altin RS; et al, J Thorac Imag 1989; **4-3:** 42

use of a modified direct coronal computed tomographic technique for assessing thoraco-abdominal problems, Bar-Ziv J; Solomon A, Gastrointest Radiol 1989; **14:** 205

use of oximetry during MR imaging of pediatric patients, Fisher DM; Litt L; Coté CJ, Radiology 1991; **178:** 891

validation of ultrafast computed tomographic left ventricular volume measurement, Pietras RJ; Wolfkiel CJ; Veselik K; et al, Invest Radiol 1991; **26:** 28

Computed tomography (CT), therapeutic radiology

low-grade astrocytomas: treatment with unconventionally fractionated external beam stereotactic radiation therapy, Pozza F; Colombo F; Chierego G; Avanzo RC; Marchetti C; Benedetti A; Casentini L; Danieli D, Radiology 1989; **171:** 565

Computed tomography (CT), three-dimensional

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

Computed tomography (CT), tissue characterization

focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL, Radiology 1991; **181:** 521

predicting gallstone composition with CT: in vivo and in vitro analysis, Brakel K; Laméris JS; Nijs HGT; Terpstra OT; Steen G; Blijenberg BC, Radiology 1990; **174:** 337

renal peripelvic lymphangiectasia: appearance at CT, Murray KK; McLellan GL, Radiology 1991; **180:** 455

role of CT in characterizing gallstones: an unsettled issue, Baron RL, Radiology 1991; **178:** 635

use of CT for predicting gallstone composition: a dissenting view, Brink JA; Ferrucci JT, Radiology 1991; **178:** 633

Computed tomography (CT), treatment planning

analysis of movement of intrathoracic neoplasms using ultrafast computerized tomography, Ross CS; Hussey DH; Pennington EC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 671

bladder and rectal dose of gynecologic high-dose-rate implants: comparison of orthogonal radiographic measurements with in vivo and CT-assisted measurements, Stuecklschweiger GF; Arian-Schad KS; Poier E; Poschauko J; Hackl A, Radiology 1991; **181:** 889

computer-CT planning of the electron boost in definitive breast irradiation, Regine WF; Ayyangar KM; Komarnicky LT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 121

CT simulator: a new 3-D planning and simulating system for radiotherapy: part I. description of system, Nishidai T; Nagata Y; Takahashi M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 499

CT simulator: a new 3-D planning and simulating system for radiotherapy: part 2. clinical application, Nagata Y; Nishidai T; Abe M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 505

non-standard CT scanners: their role in radiotherapy, Webb S, Int J Radiat Oncol Biol Phys 1990; **19:** 1589

overlap detection and contour-tracking algorithms for critical organs—application to kidney, Roy JN; Steiger P; Ling CC, Comput Med Imag Graph 1990; **14:** 153

straight line sign: appearance and significance during CT portography, Tyrrel RT; Kaufman SL; Bernardino ME, Radiology 1989; **173:** 635

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

value of treatment planning using CT and an immobilizing shell in radiotherapy for paranasal sinus carcinomas, Tsujii H; Kamada T; Matsuoka Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 243

Computed tomography (CT), utilization

clinical activities of pediatric radiologists in the United States and Canada: 10-year follow-up, Forman HP; Leonidas JC; Kirks DR, Radiology 1990; **175:** 127

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Umlas S-L; Cronan JJ, Radiology 1991; **180:** 310

splenic trauma: can CT grading systems enable prediction of successful nonsurgical treatment?, Umlas S-L; Cronan JJ, Radiology 1991; **178:** 481

T1N0M0 lung cancer: evaluation with CT, Conces DJ Jr; Klink JF; Tarver RD; Moak GD, Radiology 1989; **170:** 643

Computers

See also Computed tomography (CT)

automated entry of radiology requisition information with artificial-intelligence techniques, Kahn CE Jr; Kovatsis PG; Messersmith RN; et al, AJR 1989; **153:** 1085

completely computer-focused ultrasound imaging: first clinical imaging results, Koivukangas J; Tervonen O; Alasaarela E; et al, J Ultrasound Med 1989; **8:** 675

computer-aided management of residents' on-call and vacation schedules, Kahn CE Jr, AJR 1990; **154:** 641

computer applications in radiology education: a challenge for the 1990s, Tessler FN, AJR 1989; **152:** 1169

computer-based learning in radiology: a hypermedia application in CT, Hennessey JG; Fishman EK; Kuhlman JE; et al, AJR 1990; **155:** 1317

computer facilitation of the resident selection process, Frank MS; Sagel SS; Koehler RE, Invest Radiol 1990; **25:** 1040

computerized literature reference system: use of an optical scanner and optical character recognition software, Lossef SV; Schwartz LH, AJR 1990; **155:** 617

computer modeling of surface coil sensitivity, Lawry TJ; Weiner MW; Matson GB, Magn Res Med 1990; **16:** 294

computers in radiology departments, Sutherland GR, Br J Radiol 1990; **63:** 89

computer use and education in radiology residency programs, Jones KM; Hunter TB; Boren WL, Invest Radiol 1990; **25:** 596

cost-effective development of a computer-assisted instruction system, McGhee RB Jr; Bennett WF; Morris CS; et al, AJR 1989; **153:** 877

designing a flexible user interface for both users and programmers, Kishore S; Feingold E, Comput Med Imag Graph 1989; **13:** 105

displays: contrast and spatial requirements, Frost M; Staab EV, Invest Radiol 1989; **24:** 95

hypermedia techniques for diagnostic imaging instruction: videodisk echocardiography encyclopedia, Jaffe CC; Lynch PJ; Smeulders AWM, Radiology 1989; **171:** 475

hypermedia techniques for diagnostic imaging instruction, Bramble JM, Radiology 1989; **173:** 878

hypermedia techniques for diagnostic imaging instruction: reply, Jaffe CC, Radiology 1989; **173:** 878

images: cultural, perceptual, and computational, MacCormac ER, Invest Radiol 1989; **24:** 331

impact of computer systems in a medical environment, Kjerulff KH; Salloway JC; Counte MA, Comput Med Imag Graph 1989; **13:** 137

*info*RAD: informatics in radiology: *info*RAD at RSNA 1991, Staab EV, Radiographics 1991; **11:** 806

info RAD: informatics in radiology: radiology and computer science?, Ackerman LV, Radiographics 1991; **11:** 1027

interactive computer program for biomechanical analysis of videoradiographic studies of swallowing, Logemann JA; Kahrilas PJ; Begelman J; et al, AJR 1989; **153:** 277

introduction of personal computers into clinical cancer research in Norway, Fossá SD; Aagedal H, Acta Oncol 1989; **28:** 543

MR-tutor: a program for teaching the interdependence of factors which influence signal intensity in magnetic resonance imaging, Posteraro RH; Blinder RA; Herfkens RJ, Comput Med Imag Graph 1989; **13:** 393

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

multispectral and color-aided displays, Vannier MW; Rickman D, Invest Radiol 1989; **24:** 88

neuron imaging with Neurolucida—a PC-based system for image combining microscopy, Glaser JR; Glaser EM, Comput Med Imag Graph 1990; **14:** 307

nuclear medicine imaging workstations based on personal computer technology, Spies SM; Spies WG; Silverstein EA; et al, Semin Nucl Med 1990; **20:** 234

PC-AT based video device for flow cytometrically triggered cell imaging in flow, Hüller R; Päffgen W; Glossner E; et al, Comput Med Imag Graph 1991; **15:** 85

PC-based system for retrospective cardiac and respiratory gating of NMR data, Bohning DE; Carter B; Liu S; et al, Magn Res Med 1990; **16:** 303

performing JCAHO dose calculations with the aid of a microcomputer spreadsheet program, David G; Price SC, AJR 1990; **154:** 863

phantom feet on digital radionuclide images and other scary computer tales, Freitas JE; Dworkin HJ; Dees SM; et al, J Nucl Med 1989; **30:** 1559

radiologist and computer: a partnership in clinical radiology for the 1990s?, Simon JH, Radiology 1990; **175:** 321

roles of film in an increasingly computerized world, Vizy KN, Invest Radiol 1989; **24:** 503

semiautomated slide identification by using a personal computer and printer, Feuerstein IM, AJR 1989; **152:** 861

three-dimensional modeling by combining artificial with real data, Gargantini I; Atkinson HH; Schrack GF, Comput Med Imag Graph 1990; **14:** 379

treatment verification using a computer workstation, Weinhous MS, Int J Radiat Oncol Biol Phys 1990; **19:** 1549

use of a microcomputer to make rapid and inexpensive lecture slides, Chew FS, AJR 1989; **152:** 185

use of laboratory microcomputers to hold NMR data bases, Moore TA; Morris PG, Magn Res Med 1990; **13:** 458

Computers, diagnostic aid

computer-aided diagnosis in chest radiology, MacMahon H; Doi K; Chan H-P; et al, J Thorac Imag 1990; **5-1:** 67

computer applications and digital imaging: RSNA '88 meeting notes, Arenson RL; Dwyer SJ III, Radiology 1989; **170:** 916

computer applications and digital imaging: RSNA '89 meeting notes, Arenson RL; Dwyer SJ III; Chakraborty DP; Seshadri SB, Radiology 1990; **174:** 917

computer applications and digital imaging: RSNA '90 meeting notes, Arenson RL; Dwyer SJ III; Huang HK; Kundel HL; Seshadri SB, Radiology 1991; **178:** 913

computer-based system for measurements and analyses in radiology, Erasmie U; Dalianis H; Ringertz H, Acta Radiol 1990; **31:** 629

computerized extraction of coded findings from free-text radiologic reports: work in progress, Haug PJ; Ranum DL; Frederick PR, Radiology 1990; **174:** 543

computerized follow-up of abnormalities detected at mammography screening, Monticciolo DL; Sickles EA, AJR 1990; **155:** 751

expert system–controlled image display, Swett HA; Fisher PR; Cohn AI; Miller PL; Mutalik PG, Radiology 1989; **172:** 487

improvement in radiologists' detection of clustered microcalcifications on mammograms: the potential of computer-aided diagnosis, Chan H-P; Doi K; Vyborny CJ; et al, Invest Radiol 1990; **25:** 1102

neural networks in radiologic diagnosis: I. introduction and illustration, Boone JM; Gross GW; Greco-Hunt V, Invest Radiol 1990; **25:** 1012

neural networks in radiologic diagnosis: II. interpretation of neonatal chest radiographs, Gross GW; Boone JM; Greco-Hunt V; et al, Invest Radiol 1990; **25:** 1017

potential usefulness of an artificial neural network for differential diagnosis of interstitial lung diseases: pilot study, Asada N; Doi K; MacMahon H; Montner SM; Giger ML; Abe C; Wu Y, Radiology 1990; **177:** 857

pulmonary nodules: computer-aided detection in digital chest images, Giger ML; Doi K; MacMahon H; Metz CE; Yin F-F, Radiographics 1990; **10:** 41

quantitative computer-aided analysis of lung texture in chest radiographs, Katsuragawa S; Doi K; MacMahon H; Nakamori N; Sasaki Y; Fennessy JJ, Radiographics 1990; **10:** 257

roles of film in an increasingly computerized world, Vizy KN, Invest Radiol 1989; **24:** 503

usefulness of computers in managing the operation of a mammography screening practice, Sickles EA, AJR 1990; **155:** 755

Computers, examination control

image processing on Macintosh II: a practical boundary finding algorithm for biomedical measurement, Wang J-Z; Mezrich RS; Sebok DA, Comput Med Imag Graph 1990; **14:** 163

Connective tissue, diseases

MR imaging in pseudoxanthoma elasticum, Hemmati M; Rosengarten J; Hier DB, AJNR 1989; **10:** S60

Connective tissue, inflammation

See Cellulitis

Contraceptives and contraceptive devices

bladder perforation by an intrauterine device, Schoenfeld A; Pardo J; Engelstein D; et al, JCU 1991; **19:** 175

computed tomography for localization of intra-abdominally dislocated intrauterine devices, Hederström E; Ahlgren M; Salminen H, Acta Radiol 1989; **30:** 531

effect of oral contraception on water-suppressed proton NMR spectra of plasma, Carlier PG; Vaesen F; Gilles RG; et al, Magn Res Med 1991; **17:** 269

how accurate is ultrasonography in monitoring IUD placement?, Bonilla-Musoles F; Pardo G; Simon C, JCU 1990; **18:** 395

magnetic resonance imaging of cerebral venous thrombosis secondary to "low-dose" birth control pills, Granato DB; Archer CR; Awwad EE, Clin Imag 1989; **13:** 220

oral contraceptives and breast cancer: a review, Olsson H, Acta Oncol 1989; **28:** 849

pelvic actinomycosis: beware the intrauterine contraceptive device, Williams CE; Lamb GHR; Lewis-Jones HG, Br J Radiol 1990; **63:** 134

sonographic demonstration of an intrauterine device perforating a uterine myoma, Caspi B; Shoham (Schwartz) Z; Barash A; et al, JCU 1989; **17:** 535

Contrast media

acute myocardial ischemia and reperfusion: MR imaging with albumin-Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

appropriate use of names for MR contrast media, Goldstein HA, Radiology 1990; **174:** 897

bone marrow: ultrasmall superparamagnetic iron oxide for MR imaging, Senéterre E; Weissleder R; Jaramillo D; Reimer P; Lee AS; Brady TJ; Wittenberg J, Radiology 1991; **179:** 529

cerebral distribution of contrast medium during slow intracarotid infusion, Silbergleit R; Steffey DJ; DeFilipp GJ; et al, AJNR 1989; **10:** 1061

computed tomography of the rectum with water as contrast agent, Baert AL; Roex L; Wilms G; et al, Gastrointest Radiol 1989; **14:** 345

contrast medium imbibition in osteoarthritic cartilage, Spring MW; Buckland-Wright JC, Br J Radiol 1990; **63:** 823

contrast use: waste not—want not, Coop FW; Hobbs BB, J Canad Assoc Radiol 1989; **40:** 201

cost and benefits of low-osmolality contrast agents in radiology, Sutherland JB; Huda W, J Canad Assoc Radiol 1989; **40:** 18

current use of low-osmolality contrast agents: results of a survey, Bettmann MA; Geller SC; McClennan B; et al, AJR 1989; **153:** 1079

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

experience with iodixanol, a new nonionic dimeric contrast medium: preliminary results from the human phase I study, Nossen JØ; Aakhus T; Berg KJ; et al, Invest Radiol 1990; **25:** S113

genitourinary radiology. RSNA '90 meeting notes, Dunnick NR; Bush WH; Choyke PL; Fernbach SK; Hartman DS; Rifkin MD; Roubidoux MA; Sandler CM, Radiology 1991; **178:** 600

granulocyte chemotaxis: chemoattractive properties of a synthetic tripeptide are inhibited by radiographic contrast media, Rasmussen F; Georgsen J; Pedersen JO, Acta Radiol 1989; **30:** 93

guidelines for use of low-osmolality contrast agents, Bettmann MA, Radiology 1989; **172:** 901

hepatic tumors: signal enhancement at Doppler US after intravenous injection of a contrast agent, Goldberg BB; Hilpert PL; Burns PN; Liu J-B; Newman LM; Merton DA; Witlin LA, Radiology 1990; **177:** 713

hepatobiliary MR imaging: first human experience with MnDPDP, Lim KO; Stark DD; Leese PT; Pfefferbaum A; Rocklage SM; Quay SC, Radiology 1991; **178:** 79

hysterosalpingo-contrast sonography of the uterus and fallopian tubes: results of a clinical trial of a new contrast medium in 120 patients, Schlief R; Deichert U, Radiology 1991; **178:** 213

incorporation of contrast media in cultured cells, Nordby A; Tvedt KE; Halgunset J; et al, Invest Radiol 1989; **24:** 703

informed consent for intravascular administration of contrast material: how much is enough?, Hopper KD; Tyler HN Jr, Radiology 1989; **171:** 509

interstitial lymphangiography: initial clinical experience with a dimeric nonionic contrast agent, Weissleder H; Weissleder R, Radiology 1989; **170:** 371

intravascular contrast media: ionic versus nonionic: current status, McClennan BL; Stolberg HO, Radiol Clin North Am 1991; **29:** 437

iodinated contrast agents: current considerations, (ab), Lasser EC; Bettmann MA; Palmer FJ; et al, Radiology 1990; **174:** 904

iodinated contrast media, Invest Radiol Invest Radiol 1990; **25:** S149

iodinated polymers: pharmacokinetics of blood-pool imaging products, Lautrou J; Paris D; Schaefer M; et al, Invest Radiol 1990; **25:** S109

ionic and nonionic iodinated contrast media: evolution and strategies for use, McClennan BL, AJR 1990; **155:** 225

ionic versus nonionic contrast media: safety, tolerance, and rationale for use, McClennan BL, Urol Radiol 1989; **11:** 200

ioxilan: initial clinical observations, Callantine MR; Sovak M; Lu H-P, Invest Radiol 1990; **25:** S107

liposome distribution after intravenous and selective intraarterial infusion in dogs, Wright KC; Kasi LP; Jahns MS; Hashimoto S; Wallace S, Radiology 1990; **176:** 691

new iodinated, low-osmolar contrast media: a revised concept of hydrophilicity, Bonnemain B; Meyer D; Schaefer M; et al, Invest Radiol 1990; **25:** S104

nonionic or neutral?, Tweedle MF, Radiology 1991; **178:** 891

particles, Fischer HW, Invest Radiol 1990; **25:** S2

peculiar contrast medium incident, Maurer H-J, Eur J Radiol 1989; **9:** 133

perfusion imaging with NMR contrast agents, Rosen BR; Belliveau JW; Vevea JM; et al, Magn Res Med 1990; **14:** 249

production and characterization of improved liposomes containing radiographic contrast media, Adzamli IK; Seltzer SE; Slifkin M; et al, Invest Radiol 1990; **25:** 1217

pulmonary masses: contrast enhancement, Littleton JT; Durizch ML; Moeller G; Herbert DE, Radiology 1990; **177:** 861

safety and pharmacokinetics of Ioversol in healthy volunteers, Wilkins RA; Whittington JR; Brigden GS; et al, Invest Radiol 1989; **24:** 781

smiles rearrangement: a new synthetic pathway to the synthesis of 5-(hydroxyacyl)amino-2,4,6-triiodoisophthalamides, Musu C; Felder E; Fumagalli L; et al, Invest Radiol 1990; **25:** S100

stereoisomerism in contrast media: ioversol, Dunn J; Lin Y; Miller D; et al, Invest Radiol 1990; **25:** S102

sweet solution to a contrast problem, Foulner D, Br J Radiol 1990; **63:** 219

therapeutic efficacy of oral cholecystographic agent (iopanoic acid) in the management of hyperthyroidism, Bal C; Nair N, J Nucl Med 1990; **31:** 1180

ultrasmall superparamagnetic iron oxide: an intravenous contrast agent for assessing lymph nodes with MR imaging, Weissleder R; Elizondo G; Wittenberg J; Lee AS; Josephson L; Brady TJ, Radiology 1990; **175:** 494

Contrast media, comparative studies

acute renal dysfunction in high-risk patients after angiography: comparison of ionic and nonionic contrast media, Gomes AS; Lois JF; Baker JD; McGlade CT; Bunnell DH; Hartzman S, Radiology 1989; **170:** 65

adriamycin nephrosis and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Golman K; Hemmingsen L; et al, Acta Radiol 1990; **31:** 93

adverse reactions to ionic and nonionic contrast media: a report from the Japanese Committee on the Safety of Contrast Media, Katayama H; Yamaguchi K; Kozuka T; Takashima T; Seez P; Matsuura K, Radiology 1990; **175:** 621

comparative study of the nephrotoxicity of iohexol, iopamidol and ioxaglate in peripheral angiography, Campbell DR; Flemming BK; Mason WF; et al, J Canad Assoc Radiol 1990; **41:** 133

comparison between iotrolan, a non-ionic dimer, and a hyperosmolar contrast medium, Urografin, in hysterosalpingography, Brokensha C; Whitehouse G, Br J Radiol 1991; **64:** 587

comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL, JMRI 1991; **1:** 357

comparison of Gd-BOPTA with Gd-DTPA in MR imaging of rat liver, Pavone P; Patrizio G; Buoni C; Tettamanti E; Passariello R; Musu C; Tirone P; Felder E, Radiology 1990; **176:** 61

comparison of Hexabrix 320 and Hexabrix 250 in aortoperipheral arteriography: towards cheaper low osmolar contrast media?, Joyce PF; O'Neill M; Kweka E; et al, Cardiovasc Intervent Radiol 1989; **12:** 161

comparison of iohexol with barium in gastrointestinal studies of infants and children, Cohen MD; Towbin RB; Baker S; et al, AJR 1991; **156:** 345

comparison of iopromide and iopamidol in left ventricular angiography and in coronary angiography, Dyet JF; Carter EC; Hartley WC, Br J Radiol 1990; **63:** 700

comparison of iopromide versus iohexol in aortobifemoral arteriography: a Swedish multi-center study of 446 patients, Ohlsén H; Albrechtsson U; Billström A; et al, Acta Radiol 1991; **32:** 130

comparison of Kaopectate with barium for negative and positive enteric contrast at MR imaging, Mitchell DG; Vinitski S; Mohamed FB; Mammone JF; Haidet K; Rifkin MD, Radiology 1991; **181:** 475

comparison of nonionic and ionic contrast agents in the rabbit lung, Moore DE; Carroll FE; Dutt PL; et al, Invest Radiol 1991; **26:** 134

comparison of Omnipaque with Hypaque in temporomandibular arthrography, Kaplan PA; Lieberman RP; Chu W-K, AJR 1989; **153:** 1225

comparison of soft tissue effects of conventional ionic, low osmolar ionic and nonionic iodine containing contrast material in experimental animals, McAlister WH; Kissane JM, Pediatr Radiol 1990; **20:** 170

comparison of the electrophysiologic effects of ioxaglate and iopamidol during selective coronary arteriography, Amiel M; Moll T; Revel D; et al, Invest Radiol 1990; **25:** S141

contrast-enhanced CT of the liver and spleen: comparison of ionic and nonionic contrast agents, Nelson RC; Chezmar JL; Peterson JE; et al, AJR 1989; **153:** 973

contrast-enhanced MRI of tumors: comparison of Gd-DTPA and a macromolecular agent, Wikström MG; Moseley ME; White DL; et al, Invest Radiol 1989; **24:** 609

contrast materials with low iodine concentration and intra-arterial digital subtraction angiography, Carella A; Resta M; D'Aprile P, J Neuroradiol 1990; **17:** 201

contrast media and pain in patients with acute ureteral stone obstruction: a comparative study with iohexol and metrizoate, Billström A; Hietala S-O; Sunnegårdh O; et al, Acta Radiol 1990; **31:** 509

contrast media in sialography: a comparison of lipiodol ultra fluid and Urografin 290, Nicholson DA, Clin Radiol 1990; **42:** 423

controlled trials of radiologic contrast media: issues in quality assessment and synthesis, Powe NR; Kinnison ML; Steinberg EP, Radiology 1991; **179:** 22

dacryocystography: comparison of water-soluble and oil-based contrast agents, Munk PL; Burhenne LW; Buffam FV; Nugent RA; Lin DTC, Radiology 1989; **173:** 827

diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Lindequist S; Justesen P; Larsen C; Rasmussen F, Radiology 1991; **179:** 69

differing mechanisms of clotting inhibition by ionic and nonionic contrast agents, Ing JJ; Smith DC; Bull BS, Radiology 1989; **172:** 345

double blind clinical study comparing the safety, tolerance and efficacy of ioversol 240 and iohexol 240 (Omnipaque 240) in ascending venography, Wilkins RA; Spinks BC, Clin Radiol 1990; **41:** 268

double-blind clinical study comparing the safety, tolerance and efficacy of Ioversol and Iohexol in intravenous urography, Colthurst JR; Chan O; Creagh M; et al, Clin Radiol 1990; **42:** 174

double-blind comparison of iopromide and iopamidol in intravenous urography, Renwick IGH; Fowler RC, Clin Radiol 1990; **41:** 405

effect of an iso-osmolar contrast medium on pulmonary arterial pressure at pulmonary angiography, Tajima H; Kumazaki T; Ito K; et al, Acta Radiol 1991; **32:** 134

effect of water-soluble contrast medium on the lung in rats: comparison of iotrolan, iopamidol, and diatrizoate, Miyazawa T; Sho C; Nakagawa H; et al, Invest Radiol 1990; **25:** 999

effects of contrast agents on the fallopian tube in a rabbit model, Moore DE; Segars JH Jr; Winfield AC; Page DL; Eisenberg AD; Holburn GE, Radiology 1990; **176:** 721

effects of high- and low-osmolar contrast media on renal plasma flow and glomerular filtration rate in euvolaemic and dehydrated rats: a comparison between ioxithalamate, iopamidol, iohexol and ioxaglate, Nygren A; Ulfendahl HR, Acta Radiol 1989; **30:** 383

effects of ioxaglate 320, iohexol 350, and iopamidol 370 on erythrocyte aggregation, Hayes R; Mahon T; Masterson J; et al, Invest Radiol 1991; **26:** 742

epidemiologic critique of the report on adverse reactions to ionic and nonionic media by the Japanese Committee on the Safety of Contrast Media, Gerstman BB, Radiology 1991; **178:** 787

experimental hepatocellular carcinoma: MR receptor imaging, Reimer P; Weissleder R; Brady TJ; Yeager AE; Baldwin BH; Tennant BC; Wittenberg J, Radiology 1991; **180:** 641

extravasation of iopamidol and iohexol during contrast-enhanced CT: report of 28 cases, Sistrom CL; Gay SB; Peffley L, Radiology 1991; **180:** 707

extravascular extravasation of radiographic contrast media: effects of conventional and low-osmolar agents in the rat thigh, Cohan RH; Leder RA; Bolick D; et al, Invest Radiol 1990; **25:** 504

genitourinary radiology. RSNA '88 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM, Radiology 1989; **170:** 601

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

gentamicin nephropathy and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Skaarup P; Larsen S; et al, Acta Radiol 1990; **31:** 401

hemodynamic and electrocardiographic effects of ioversol during cardiac angiography: comparison with iopamidol and diatrizoate, Hirshfeld JW Jr; Wieland J; Davis CA; et al, Invest Radiol 1989; **24:** 138

heparin supplementation of nonionic contrast agents, Massee DR; Smith DC; Westengard JC; Bull BS, JVIR 1991; **2:** 209

hepatic dynamic sequential CT: section enhancement profiles with a bolus ofionic and nonionic contrast agents, Nelson RC; Moyers JH; Chezmar JL; Hoel MJ; Jones EC; Peterson JE; Cork RD; Bernardino ME, Radiology 1991; **178:** 499

Hippocrates has the last word, Jackson FI, Radiology 1989; **171:** 878

iohexol, ioxaglate and iopamidol in coronary angiography: a double-blind comparative study of 300 patients, Soiva M; Hekali P; Keto P; et al, Australas Radiol 1991; **35:** 109

ionic versus nonionic contrast agents for intravenous use: are all the answers in?, Bettmann MA, Radiology 1990; **175:** 616

ionic versus nonionic contrast media: safety, tolerance, and rationale for use, McClennan BL, Urol Radiol 1989; **11:** 200

iopentol compared with iohexol in carotid angiography: a double blind crossover test of a new non-ionic contrast medium, Nakstad PH; Skalpe IO; Bakke SJ; et al, Acta Radiol 1990; **31:** 221

iopromide versus diatrizoate: a comparative study of adverse reactions, Skovgaard N; Jensen ER; Jakobsen KP, Acta Radiol 1990; **31:** 537

knee arthrography: comparison of iotrolan and ioxaglate sodium meglumine, Obermann WR; Bloem JL; Hermans J, Radiology 1989; **173:** 197

large trial of intravenous Conray 325 and Niopam 300 to assess immediate and delayed reactions, McCullough M; Davies P; Richardson R, Br J Radiol 1989; **62:** 260

left ventricular systolic and diastolic function during coronary arteriography before and after acute left ventricular failure in dogs: a comparison between iodixanol, iohexol and ioxaglate, Klöw NE; Mortensen E; Refsum H, Acta Radiol 1991; **32:** 124

local glucose utilization changes caused by subarachnoid contrast media in the rabbit, Ekholm SE; Morris TW; Prentice L; et al, Acta Radiol 1990; **31:** 209

low sodium diet, indomethacin, and contrast media: a comparison between renal effects of diatrizoate and iohexol in rats, Thomsen HS; Hemmingsen L; Golman K; et al, Acta Radiol 1990; **31:** 613

miscellaneous adverse effects of low- versus high-osmolality contrast media: a study revised, Brismar J; Jacobsson BF; Jorulf H, Radiology 1991; **179:** 19

MR evaluation of CNS tumors: dose comparison study with gadopentetate dimeglumine and gadoteridol, Yuh WTC; Fisher DJ; Engelken JD; Greene GM; Sato Y; Ryals TJ; Crain MR; Ehrhardt JC, Radiology 1991; **180:** 485

nephropathy induced by intramuscularly administered glycerol and contrast media in rats: a comparison between diatrizoate, iohexol and ioxilan, Thomsen HS; Larsen S; Hemmingsen L; et al, Acta Radiol 1989; **30:** 217

nephrotoxicity from contrast material in renal insufficiency: ionic versus nonionic agents, Harris KG; Smith TP; Cragg AH; Lemke JH, Radiology 1991; **179:** 849

non-ionic contrast media: a comparison of iodine delivery rates during manual injection angiography, Hughes PM; Bisset R, Br J Radiol 1991; **64:** 417

optimization of low-osmolality contrast media for cranial CT: a dose comparison of two contrast agents, Kuhn MJ; Baker MR, AJNR 1990; **11:** 847

outpatient lumbar radiculography: comparison of iopamidol and iohexol and a literature review, Davies AM; Evans N; Chandy J, Br J Radiol 1989; **62:** 716

outpatient myelography with iohexol and iopamidol; pilot study and contrast trial, Waugh JR; Sacharias N, Australas Radiol 1989; **33:** 56

peritoneal reaction resulting from iodinated contrast material: comparative study, Eisenberg AD; Winfield AC; Page DL; Holburn GE; Schifter T; Segars JH, Radiology 1989; **172:** 149

plasma osmolality, iodine concentration and urographic images following high and low osmolar contrast media, Todd AW; Naisby GP; Owen JP; et al, Clin Radiol 1991; **43:** 331

poor quality of clinical research in radiology: another indictment, Wolf GL, Radiology 1989; **170:** 311

prediction of severe adverse reactions to ionic and nonionic contrast media in Japan: evaluation of pretesting: a report from the Japanese Committee on the Safety of Contrast Media, Yamaguchi K; Katayama H; Takashima T; Kozuka T; Seez P; Matsuura K, Radiology 1991; **178:** 363

prospective trial of ionic vs nonionic contrast agents in routine clinical practice: comparison of adverse effects, Wolf GL; Arenson RL; Cross AP, AJR 1989; **152:** 939

quality assessment of randomized controlled trials of contrast media, Powe NR; Kinnison ML; Steinberg EP, Radiology 1989; **170:** 377

radiocontrast-associated renal dysfunction: a comparison of lower-osmolality and conventional high-osmolality contrast media, Lautin EM; Freeman NJ; Schoenfeld AH; et al, AJR 1991; **157:** 59

renal clearance of an ionic high-osmolar and a nonionic low-osmolar contrast medium, Thomsen HS; Vestergaard A; Nielsen SL; et al, Invest Radiol 1991; **26:** 564

renal effects of iopentol and iohexol after intravenous injection, (ab), Jakobsen JA; Kolbenstvedt AN; Berg KJ, Acta Radiol 1991; **32:** 320

results of randomized controlled trials of low- versus high-osmolality contrast media, Kinnison ML; Powe NR; Steinberg EP, Radiology 1989; **170:** 381

risk of thromboembolism during diagnostic and interventional cardiac procedures with nonionic contrast media, Hwang MH; Piao ZE; Murdock DK; Messmore HL; Giardina JJ; Scanlon PJ, Radiology 1990; **174:** 453

risks of death and of severe nonfatal reactions with high- vs low-osmolality contrast media: a meta-analysis, Caro JJ; Trindade E; McGregor M, AJR 1991; **156:** 825

selective injection of contrast media: inflammatory effects on rabbit fallopian tubes, Thurmond AS; Hedgpeth PL; Scanlan RM, Radiology 1991; **180:** 97

systemic, pulmonary and renal haemodynamic effects of intravenously infused iopentol: a comparison in the pig of a new low osmolar non-ionic medium with saline and iohexol, Sunnegårdh O; Hietala S-O; Wirell S; et al, Acta Radiol 1990; **31:** 395

systemic, pulmonary and renal haemodynamic effects of large intravenous doses of high and low osmolar contrast media: an investigation in the pig of ratio 1.5 and ratio 3 media, Sunnegårdh O; Hietala S-O; Wirell S; et al, Acta Radiol 1990; **31:** 297

Telebrix: a better-tasting oral contrast agent for abdominal computed tomography, Bach DB, J Canad Assoc Radiol 1991; **42:** 98

therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Rasmussen F; Lindequist S; Larsen C; Justesen P, Radiology 1991; **179:** 75

thrombin generation in nonclottable mixtures of blood and nonionic contrast agents, Kopko PM; Smith DC; Bull BS, Radiology 1990; **174:** 459

unequal doses of ioversol versus diatrizoate for urography, Baker MK; Kopecky KK; Bogan M; et al, Urol Radiol 1990; **12:** 168

Contrast media, complications

acute thrombocytopenia after IV administration of a radiographic contrast medium, Chang JC; Lee D; Gross HM, AJR 1989; **152:** 947

acute toxic myopathy: a delayed adverse effect of intravenous urography with iopamidol 370, Stinchcombe SJ; Davies P, Br J Radiol 1989; **62:** 949

adverse reactions to contrast agents: scope of problem, Ansell G, Invest Radiol 1990; **25:** 381

adverse reactions to contrast media: ionic and nonionic media and steroids, Lasser EC; Berry CC, Invest Radiol 1991; **26:** 402

adverse reactions to contrast media: what are the risk factors?, Katayama H, Invest Radiol 1990; **25:** S16

adverse reactions to intravenous contrast media in routine clinical practice, Wolf GL; Silvay-Mandeau O, Invest Radiol 1990; **25:** S20

adverse reactions to ionic and nonionic contrast media: a report from the Japanese Committee on the Safety of Contrast Media, Katayama H; Yamaguchi K; Kozuka T; Takashima T; Seez P; Matsuura K, Radiology 1990; **175:** 621

allergic reaction following micturating cystourethrography, Bettenay F; de Campo J, Urol Radiol 1989; **11:** 167

anaphylactoid reactions to IV gadopentetate dimeglumine, Tishler S; Hoffman JC Jr, AJNR 1990; **11:** 1167

anticoagulant effects of nonionic versus ionic contrast media in angiography syringes, Grabowski EF; Kaplan KL; Halpern EF, Invest Radiol 1991; **26:** 417

aspiration of high-density barium contrast medium causing acute pulmonary inflammation—report of two fatal cases in elderly women with disordered swallowing, Gray C; Sivaloganathan S; Simpkins KC, Clin Radiol 1989; **40:** 397

assays for plasma complement activation by x-ray contrast media, Eaton S; Tsay HM; Yost F; et al, Invest Radiol 1990; **25:** 789

atypical contrast reactions associated with systemic interleukin-2 therapy, Fishman JE; Aberle DR; Moldawer NP; et al, AJR 1991; **156:** 833

bacterial contamination of contrast media stored after opening, Lisle D; Ratcliffe JF; Faoagali J; et al, Br J Radiol 1990; **63:** 532

barium sulfate absorption and sensitivity, Ahmed A; Hamza HM, Radiology 1989; **172:** 213

barium sulfate absorption and sensitivity, Ramani SK; Ismael AH, Radiology 1990; **174:** 895

barium sulfate absorption and sensitivity: reply, Berdon WE, Radiology 1989; **172:** 213

blood-brain barrier injury following intracarotid injection of radiographic contrast media: in vivo quantification using magnetic resonance imaging and Gd-DTPA, Hayakawa K; Yamashita K; Mitsumori M; et al, Acta Radiol 1990; **31:** 203

blood clot formation in angiographic catheters: in vitro tests with various contrast media, Raininko R; Riihelä M, Acta Radiol 1990; **31:** 217

cardiac effects from addition of sodium ions to nonionic contrast media for coronary arteriography: an investigation in the isolated rabbit heart, Bååth L; Almén T; Oksendal A, Invest Radiol 1990; **25:** S137

case of anaphylaxis and four cases of allergic reaction following Gd-DTPA administration, Salonen OLM, JCAT 1990; **14:** 912

case report: iodide mumps following intravenous urography with iopamidol, Wylie EJ; Mitchell DB, Clin Radiol 1991; **43:** 135

case report: severe adverse reaction to oral iohexol, Glover JR; Thomas BM, Clin Radiol 1991; **44:** 137

case report: the Koebnor phenomenon—an unusual localization of a contrast reaction, Shah AM; Hutchison SJ, Clin Radiol 1990; **42:** 136

cervical myelography, Skalpe IO, Radiology 1990; **177:** 590

cervical myelography: reply, Robertson HJ; Smith RD, Radiology 1990; **177:** 590

cervical myelography: survey of modes of practice and major complications, Robertson HJ; Smith RD, Radiology 1990; **174:** 79

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

comparison of the rates of adverse drug reactions: ionic contrast agents, ionic agents combined with steroids, and nonionic agents, Wolf GL; Mishkin MM; Roux SG; et al, Invest Radiol 1991; **26:** 404

comparison of the systemic responses to rapid intravenous injections of ioxilan, iohexol, and diatrizoate in rabbits, Morris TW; Prentice LI; Ventura J, Invest Radiol 1989; **24:** 294

computed tomography of hepatic oil embolism following lymphangiography, Lorigan JG; Libshitz HI, Clin Radiol 1989; **40:** 259

contrast media: adverse reactions, Invest Radiol Invest Radiol 1990; **25:** S29

contrast media-induced lipid peroxidation in the rat kidney, Parvez Z; Rahman MA; Moncada R, Invest Radiol 1989; **24:** 697

contrast media-related complications during cardiac catheterization using Hexabrix™ or Renografin™ in high-risk patients, (ab), Feldman RL; Jalowiec DA; Hill JA; et al, Radiology 1989; **170:** 293

contrast reactions: eked data from contrast-reaction surveys, Lasser EC, Invest Radiol 1990; **25:** S14

controlled trials of radiologic contrast media: issues in quality assessment and synthesis, Powe NR; Kinnison ML; Steinberg EP, Radiology 1991; **179:** 22

corticosteroid pretreatment for potential contrast reactions in children with lymphoreticular cancer: a word of caution, Luna-Fineman S; Healy MV; Parker BR, AJR 1990; **155:** 357

cutaneous ulceration due to contrast extravasation: experimental assessment of injury and potential antidotes, Elam EA; Dorr RT; Lagel KE; et al, Invest Radiol 1991; **26:** 13

death associated with bronchography: question role of heating the contrast agent, McAlister WH, Pediatr Radiol 1989; **19:** 458

delayed rupture following subintimal contrast injection: case report, Franczyk J; Gray RR; Rooney MS, Cardiovasc Intervent Radiol 1990; **13:** 75

differing mechanisms of clotting inhibition by ionic and nonionic contrast agents, Ing JJ; Smith DC; Bull BS, Radiology 1989; **172:** 345

disruption of the blood–brain barrier caused by nonionic contrast medium used for abdominal angiography: CT demonstration, Okazaki H; Tanaka K; Shishido T; et al, JCAT 1989; **13:** 893

ECG changes during cerebral angiography; a comparison of low osmolality contrast media, Mitsumori M; Hayakawa K; Abe M, Eur J Radiol 1991; **13:** 55

effect of an iso-osmolar contrast medium on pulmonary arterial pressure at pulmonary angiography, Tajima H; Kumazaki T; Ito K; et al, Acta Radiol 1991; **32:** 134

effect of contrast medium viscosity on the blood-brain barrier after intracarotid injection in the rabbit, Wilson AJ; Wilcox J; Evill CA; et al, AJNR 1989; **10:** 129

effect of iodinated contrast media on the synthesis and metabolism of leukotriene B4, Romano M; Di Bello M; Salmona M; et al, Invest Radiol 1990; **25:** S25

effect of iodinated contrast media on the synthesis and metabolism of leukotriene B_4, Romano M; Di Bello M; Salmona M; et al, Invest Radiol 1991; **26:** 348

effect of nonionic radiographic contrast medium on serum electrolytes and proteins during intravenous urography, Brunet WG; Hutton LC; Henderson AR, J Canad Assoc Radiol 1989; **40:** 139

effect of sodium iothalamate on the vascular resistance of the isolated perfused rat kidney, Haylor JL; El Sayed AA; El Nahas AM; et al, Br J Radiol 1991; **64:** 50

effects of iopamidol and iohexol in rat lungs following experimental aspiration, D'Agostino HRV; Liebig RJ; McGovern M; et al, Invest Radiol 1989; **24:** 899

epidemiologic critique of the report on adverse reactions to ionic and nonionic media by the Japanese Committee on the Safety of Contrast Media, Gerstman BB, Radiology 1991; **178:** 787

extravasation of iopamidol and iohexol during contrast-enhanced CT: report of 28 cases, Sistrom CL; Gay SB; Peffley L, Radiology 1991; **180:** 707

extravasation of nonionic radiologic contrast media: efficacy of conservative treatment, Cohan RH; Dunnick NR; Leder RA; Baker ME, Radiology 1990; **176:** 65

fatal complications after myelography with meglumine diatrizoate, Hilz MJ; Huk W; Schellmann B; et al, Neuroradiol 1990; **32:** 70

fatal reactions to intravenous nonionic contrast material, Curry NS; Schabel SI; Reiheld CT; Henry WD; Savoca WJ, Radiology 1991; **178:** 361

gadopentetate dimeglumine: observations on the clinical research process, Kieffer SA, Radiology 1990; **174:** 7

gadopentetate dimeglumine: reassessment of the clinical research process, Kieffer SA, AJNR 1990; **11:** 1168

Gd-DTPA as a contrast agent in CT, Bloem JL; Wondergem J, Radiology 1989; **171:** 578

generalized seizure after IV administration of gadopentetate dimeglumine, Harbury OL, AJNR 1991; **12:** 666

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

immunologic basis for adverse reactions to radiographic contrast media, Stejskal V; Nilsson R; Grepe A, Acta Radiol 1990; **31:** 605

incompatibility of contrast agents with intravascular medications: work in progress, Irving HD; Burbridge BE, Radiology 1989; **173:** 91

increased frequency of reactions to contrast materials during gastrointestinal studies, Feczko PJ, Radiology 1990; **174:** 367

influence of Buscopan on adverse reactions to intravascular contrast media, Sharma S; Rajani M; Khosla A; et al, Br J Radiol 1989; **62:** 1056

inhibition of angiotensin-converting enzyme by contrast media: I. in vitro findings, Lasser EC; Lyon SG, Invest Radiol 1990; **25:** 698

injection rate: a factor in contrast reactions?, Duddy MJ; Manns RA; Wormald SA, Clin Radiol 1990; **41:** 42

intravascular contrast media and the blood-brain barrier: testing the new nonionic agent ioxilan, Harnish PP; Krutchen A; Mukherji M, Invest Radiol 1989; **24:** 34

ionic versus nonionic contrast agents for intravenous use: are all the answers in?, Bettmann MA, Radiology 1990; **175:** 616

iopromide versus diatrizoate: a comparative study of adverse reactions, Skovgaard N; Jensen ER; Jakobsen KP, Acta Radiol 1990; **31:** 537

iotrol, iodixanol, and 2-deoxy-D-glucose effects on neural tissue CO_2 production, Morris TW; Ekholm SE; Prentice LI; et al, AJNR 1989; **10:** 1123

large trial of intravenous Conray 325 and Niopam 300 to assess immediate and delayed reactions, McCullough M; Davies P; Richardson R, Br J Radiol 1989; **62:** 260

laryngeal edema, following the injection of iohexol into the subarachnoid space, Agildere AM; Haliloglu M; Cila A; et al, Neuroradiol 1991; **33:** 290

lower extremity venography with iohexol: results and complications, Lensing AWA; Prandoni P; Büller HR; Casara D; Cogo A; Wouter ten Cate J, Radiology 1990; **177:** 503

low osmolality contrast media and metabolic changes in the myocardium during free and reduced coronary flow in the dog, Kløw N-E; Hevrøy O; Mortensen E; et al, Invest Radiol 1990; **25:** 127

miscellaneous adverse effects of low- versus high-osmolality contrast media: a study revised, Brismar J; Jacobsson BF; Jorulf H, Radiology 1991; **179:** 19

morbidity and mortality with intravenous contrast media: ionic and nonionic, Palmer J, Invest Radiol 1990; **25:** S18

muscular and central nervous system side effects of intracarotid contrast media in rabbits, Whisson CC; Evill CA; Wilson AJ; et al, Invest Radiol 1990; **25:** S90

muscular and CNS effects of carotid artery administration of contrast media in rabbits, Whisson CC; Evill CA; Sage MR; et al, AJNR 1990; **11:** 143

nephrotoxicity from contrast material in renal insufficiency: ionic versus nonionic agents, Harris KG; Smith TP; Cragg AH; Lemke JH, Radiology 1991; **179:** 849

noncardiogenic pulmonary edema resulting from intravascular administration of contrast material, Bouachour G; Varache N; Szapiro N; et al, AJR 1991; **157:** 255

non-ionic contrast media: thrombosis or haemorrhage?, Bernard C; Ody B; de Moerloose P, Eur J Radiol 1989; **9:** 131

ongoing clinical trial of iohexol in previous contrast-material reactors, Siegle RL; Silvay-Mandeau O, Invest Radiol 1990; **25:** S24

persistent CT nephrogram: significance in the diagnosis of contrast nephropathy—an update, Love L; Olson MC, Urol Radiol 1991; **12:** 206

persistent CT nephrogram: significance in the diagnosis of contrast nephropathy, Love L; Lind JA Jr; Olson MC, Radiology 1989; **172:** 125

post-myelographic meningeal irritation with iohexol, Alexiou J; Deloffre D; Vandresse J-H; et al, Neuroradiol 1991; **33:** 85

prediction of severe adverse reactions to ionic and nonionic contrast media in Japan: evaluation of pretesting: a report from the Japanese Committee on the Safety of Contrast Media, Yamaguchi K; Katayama H; Takashima T; Kozuka T; Seez P; Matsuura K, Radiology 1991; **178:** 363

pretesting as a predictor of severe adverse reactions to contrast media, Yamaguchi K; Katayama H; Kozuka T; et al, Invest Radiol 1990; **25:** S22

pruritus and paresthesia after IV administration of Gd-DTPA, Chan K; Bosanko CM; Wang A-M, AJNR 1989; **10:** S53

quality assessment of randomized controlled trials of contrast media, Powe NR; Kinnison ML; Steinberg EP, Radiology 1989; **170:** 377

radiocontrast-associated renal dysfunction: a comparison of lower-osmolality and conventional high-osmolality contrast media, Lautin EM; Freeman NJ; Schoenfeld AH; et al, AJR 1991; **157:** 59

radiocontrast-associated renal dysfunction: incidence and risk factors, Lautin EM; Freeman NJ; Schoenfeld AH; et al, AJR 1991; **157:** 49

rapid bolus injection of gadopentetate dimeglumine: absence of side effects in normal volunteers, Kashanian FK; Goldstein HA; Blumetti RF; et al, AJNR 1990; **11:** 853

reaction of cerebral arteries to non-ionic contrast media during cerebral angiography, Nakstad PH, Neuroradiol 1989; **31:** 247

reactions to contrast materials during gastrointestinal studies, Janower ML, Radiology 1990; **177:** 287

reactions to contrast materials during gastrointestinal studies: reply, Feczko PJ, Radiology 1990; **177:** 287

reactions to ionic and nonionic contrast media, Benness GT; Fischer HW, Radiology 1989; **170:** 282

reaction to contrast media in contrast-enhanced CT of the brain: a comparative investigation of non-ionic Ultravist and ionic Urografin-meglumin, Jensen PR; Øwre A; Ahlgren P, Eur J Radiol 1989; **9:** 144

renal excretion of endoscopic retrograde cholangiopancreatography injected contrast: a common phenomenon, Hopper KD; Wegert SJ; Hallgren SE, Invest Radiol 1989; **24:** 394

results of randomized controlled trials of low- versus high-osmolality contrast media, Kinnison ML; Powe NR; Steinberg EP, Radiology 1989; **170:** 381

risk management issues related to the use of contrast agents, Bettmann MA; Holzer JF; Trombly ST, Radiology 1990; **175:** 629

risk of thromboembolism during diagnostic and interventional cardiac procedures with nonionic contrast media, Hwang MH; Piao ZE; Murdock DK; Messmore HL; Giardina JJ; Scanlon PJ, Radiology 1990; **174:** 453

safety and toleration of the non-ionic contrast medium iopentol: an intravenous phase I trial, Jakobsen JA; Hagve TA; Holager T; et al, Eur J Radiol 1989; **9:** 203

safety assessment of gadopentetate dimeglumine in U.S. clinical trials, Goldstein HA; Kashanian FK; Blumetti RF; Holyoak WL; Hugo FP; Blumenfield DM, Radiology 1990; **174:** 17

safety considerations in MR imaging, Kanal E; Shellock FG; Talagala L, Radiology 1990; **176:** 593

safe use of an intravenous power injector for CT: experience and protocol, Miles SG; Rasmussen JF; Litwiller T; Osik A, Radiology 1990; **176:** 69

selective use of low-osmolar contrast media, Debatin JF; Cohan RH; Leder RA; et al, Invest Radiol 1991; **26:** 17

severe anaphylactoid reaction to Gd-DTPA, Lufkin RB, Radiology 1990; **176:** 879

sex and age related differences in postmyelographic adverse reactions: a prospective study of 1765 myelographies, Maly P, Neuroradiol 1989; **31:** 331

side effects after ambulatory lumbar iohexol myelography, Sand T; Myhr G; Stovner LJ; et al, Neuroradiol 1989; **31:** 49

side effects of water-soluble contrast agents in upper gastrointestinal tract, Gmeinwieser J; Erhardt W; Reimann HJ; et al, Invest Radiol 1990; **25:** S27

simplified radioenzymatic method for the study of whole blood histamine release in patients receiving radiographic contrast media, Faraj BA; Martin LG, Invest Radiol 1990; **25:** 1228

solution to the problem of high-flow jets from miniature angiographic catheters, Daniel TB; Akins EW; Hawkins IF Jr, AJR 1990; **154:** 1091

survey of risk factors for adverse reactions to intravenous contrast media, Sachinwalla T; Godfrey C; Palmer J, Australas Radiol 1991; **35:** 106

survey of safety of clinical contrast media, Katayama H, Invest Radiol 1990; **25:** S7

thromboembolic phenomena in clinical angiography: role of materials and technique, Dawson P; Strickland NH, JVIR 1991; **2:** 125

thrombogenic potential of nonionic contrast media?, Fareed J; Walenga JM; Saravia GE; Moncada RM, Radiology 1990; **174:** 321

thrombogenic potential of nonionic contrast media?, Dawson P; Hartnell GG; Grollman JH Jr, Radiology 1990; **177:** 280

thrombogenic potential of nonionic contrast media?: reply, Fareed J; Walenga JM; Saravia GE; Moncada RM, Radiology 1990; **177:** 283

thrombotic and cardiovascular complications related to nonionic contrast media during cardiac catheterization: analysis of 8,517 patients, (ab), Davidson CJ; Mark DB; Pieper KS; et al, Radiology 1991; **178:** 293

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Giang DW; Kido DK, Radiology 1989; **172:** 195

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Minuk J; Melançon D; Tampieri D; Ethier R, Radiology 1990; **174:** 285

urinary protein excretion following intravenously administered ionic and non-ionic contrast media in man, Skovgaard N; Holm J; Hemmingsen L; et al, Acta Radiol 1989; **30:** 517

use of iohexol in patients with previous reactions to ionic contrast material: a multicenter clinical trial, Siegle RL; Halvorsen RA; Dillon J; et al, Invest Radiol 1991; **26:** 411

venous intravasation of barium into the inferior mesenteric vein mimicking a colloureteral fistula: a case report and literature review, (ab), Baer HM; Siegelbaum MH; Seidman EJ; et al, Radiology 1989; **172:** 885

which factors affect reported headache incidences after lumbar myelography?: a statistical analysis of publications in the literature, Sand T, Neuroradiol 1989; **31:** 55

Contrast media, effects

anticoagulant effects of contrast materials: in vitro study of iohexol, ioxaglate, and diatrizoate, Rasuli P; McLeish WA; Hammond DI, AJR 1989; **152:** 309

biochemical evidence for a relative lack of inhibition of thrombin formation by nonionic contrast media, Mamon JF; Hoppensteadt D; Fareed J; Moncada R, Radiology 1991; **179:** 399

cardiovascular MR imaging with iron oxide particles: utility of a superparamagnetic contrast agent and the role of diffusion in signal loss, Rozenman Y; Zou X; Kantor HL, Radiology 1990; **175:** 655

comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL, JMRI 1991; **1:** 357

contrast media and pain in patients with acute ureteral stone obstruction: a comparative study with iohexol and metrizoate, Billström A; Hietala S-O; Sunnegårdh O; et al, Acta Radiol 1990; **31:** 509

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; **1:** 285

diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Lindequist S; Justesen P; Larsen C; Rasmussen F, Radiology 1991; **179:** 69

differing mechanisms of clotting inhibition by ionic and nonionic contrast agents, Ing JJ; Smith DC; Bull BS, Radiology 1989; **172:** 345

do nonionic contrast media increase red cell aggregation and clot formation?, Aspelin P, Invest Radiol 1990; **25:** S119

effect of additional cations on the twitching reaction to intracarotid, nonionic contrast media in rabbits, Whisson CC; Evill CA; Sage MR; et al, Invest Radiol 1990; **25:** 1004

effect of Hexabrix tracheobronchography on the ultrastructure of the airway epithelium, Konrádová V; Tůma S; Kanta J, Pediatr Radiol 1990; **20:** 440

effect of iodinated contrast media on blood clotting, Corot C; Perrin JM; Belleville J; et al, Invest Radiol 1989; **24:** 390

effect of ionic and non-ionic contrast medium on aortic and pulmonary arterial pressure: an angiocardiographic study in rabbits, Almén T; Aspelin P; Levin B, Invest Radiol 1990; **25:** 437

effect of low osmolar, ionic and nonionic, contrast media on the cytologic features of exfoliated urothelial cells, Andriole GL; McClennan BL; Becich MJ; et al, Urol Radiol 1989; **11:** 133

effect of radiographic contrast media on ultrasonically detectable red blood cell aggregation in vitro, Kallio T; Alanen A; Kormano M, Invest Radiol 1989; **24:** 789

effect of radiological iodinated contrast media on acetylcholinesterase activity, Tamura A; Suzuki T; Yamasaki T; et al, Br J Radiol 1991; **64:** 768

effect of water-soluble contrast medium on the lung in rats: comparison of iotrolan, iopamidol, and diatrizoate, Miyazawa T; Sho C; Nakagawa H; et al, Invest Radiol 1990; **25:** 999

effect on thrombus growth and thrombolysis of two types of low osmolar contrast media in rabbits, Levi M; Pascucci C; Agnelli G; et al, Invest Radiol 1990; **25:** 533

effects of a hyperosmolar intravenous contrast medium on blood viscosity, Lloyd DA; Stein JS; Rowe MI, Invest Radiol 1991; **26:** 220

effects of angiographic contrast media on venous endothelium of rabbits, Thiesen B; Mützel W, Invest Radiol 1990; **25:** 121

effects of contrast agents on the fallopian tube in a rabbit model, Moore DE; Segars JH Jr; Winfield AC; Page DL; Eisenberg AD; Holburn GE, Radiology 1990; **176:** 721

effects of contrast media on myocardial function during acute left ventricular failure in the dog, Kløw N-E; Hevrøy O; Dale K; et al, Invest Radiol 1990; **25:** 41

effects of contrast media on neural tissue glucose uptake in vitro, Ekholm SE; Morris TW; Fonte D; et al, Invest Radiol 1989; **24:** 145

effects of contrast media on synaptosomal phosphatidylinositols, Ekholm SE; Morris TW; Marinetti GV, Invest Radiol 1990; **25:** S84

effects of contrast media on the RR and QT interval during coronary arteriography, Mitsumori M; Hayakawa K; Soga T; et al, Acta Radiol 1991; **32:** 120

effects of high- and low-osmolar contrast media on renal plasma flow and glomerular filtration rate in euvolaemic and dehydrated rats: a comparison between ioxithalamate, iopamidol, iohexol and ioxaglate, Nygren A; Ulfendahl HR, Acta Radiol 1989; **30:** 383

effects of iodixanol and iopamidol on hemodynamic and cardiac electrophysiologic parameters in vitro and in vivo, Dundore RL; Silver PJ; Ezrin AM; et al, Invest Radiol 1991; **26:** 715

effects of ioxaglate 320, iohexol 350, and iopamidol 370 on erythrocyte aggregation, Hayes R; Mahon T; Masterson J; et al, Invest Radiol 1991; **26:** 742

effects of radiographic contrast media on myocardial contractility and coronary resistance: osmolality, ionic concentration, and viscosity, Fleetwood G; Bettmann MA; Gordon JL, Invest Radiol 1990; **25:** 254

effects of x-ray contrast media and radiation on human vascular endothelial cells *in vitro*, Morgan DML; Bettmann MA, Cardiovasc Intervent Radiol 1989; **12:** 154

electrocardiogram changes during intrauterine injection of ionic contrast medium, Marmor A; Prober A, Invest Radiol 1991; **26:** 579

electrolyte changes in rabbit cerebrospinal fluid during experimental myelography, Morris TW; Ekholm SE; Prentice LI, Invest Radiol 1990; **25:** S111

evaluation of renal function, Becker JA, Radiology 1991; **179:** 337

extravasation of nonionic radiologic contrast media: efficacy of conservative treatment, Cohan RH; Dunnick NR; Leder RA; Baker ME, Radiology 1990; **176:** 65

frequency and determinants of adverse reactions induced by high-osmolality contrast media, Moore RD; Steinberg EP; Powe NR; White RI Jr; Brinker JA; Fishman EK; Zinreich SJ; Smith CR, Radiology 1989; **170:** 727

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

gadopentetate dimeglumine: observations on the clinical research process, Kieffer SA, Radiology 1990; **174:** 7

granulocyte chemotaxis: influence of radiographic contrast media on the chemoattractive properties of serum, Georgsen J; Rasmussen F; Pedersen JO, Acta Radiol 1990; **31:** 531

haemodynamic effects of water-soluble contrast media on the isolated perfused rat kidney, El Sayed AA; Haylor JL; El Nahas AM; et al, Br J Radiol 1991; **64:** 435

hemodynamic effects of Gd-DTPA administered via rapid bolus or slow infusion: a study in dogs, Sullivan ME; Goldstein HA; Sansone KJ; et al, AJNR 1990; **11:** 537

heparin supplementation of nonionic contrast agents, Massee DR; Smith DC; Westengard JC; Bull BS, JVIR 1991; **2:** 209

incorporation of contrast media in cultured cells, Nordby A; Tvedt KE; Halgunset J; et al, Invest Radiol 1989; **24:** 703

iodinated contrast media effects on extravascular lung water, central blood volume, and cardiac output in humans, (ab), Böck JC; Barker BC; Federle MP; et al, JVIR 1990; **1:** 141

iopamidol as a gastrointestinal contrast agent: lack of peritoneal reactivity, Ferrante SL; Schreiman JS; Rouse JW; et al, Invest Radiol 1990; **25:** 141

ioxilan, a third generation low osmolality nonionic contrast medium: systemic and renal hemodynamic effects, Katzberg RW; Donahue LA; Morris TW; et al, Invest Radiol 1990; **25:** 46

left ventricular systolic and diastolic function during coronary arteriography before and after acute left ventricular failure in dogs: a comparison between iodixanol, iohexol and ioxaglate, Kløw NE; Mortensen E; Refsum H, Acta Radiol 1991; **32:** 124

liver, spleen, and vessels: preliminary clinical results of CT with perfluorooctylbromide, Bruneton J-N; Falewée M-N; François E; Cambon P; Philip C; Riess JG; Balu-Maestro C; Rogopoulos A, Radiology 1989; **170:** 179

myocardial infarction: assessment with an intravascular MR contrast medium. work in progress, Saeed M; Wendland MF; Masui T; Connolly AJ; Derugin N; Brasch RC; Higgins CB, Radiology 1991; **180:** 153

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

opening of the blood-brain barrier by intravenous contrast media in euvolemic and dehydrated rabbits, Hayakawa K; Morris TM; Katzberg RW, Acta Radiol 1989; **30:** 439

oxygen free radical involvement in urinary Tamm-Horsfall protein excretion after intrarenal injection of contrast medium, Bakris GL; Gaber AO; Jones JD, Radiology 1990; **175:** 57

oxygen saturation of the low osmolar contrast media iohexol, ioxaglate and iodixanol: effects on contractile force and frequency of ventricular fibrillation in the isolated rabbit heart, Bååth L; Almén T; Öksendal A, Acta Radiol 1990; **31:** 519

penetration of vascular contrast media into brain tissue and cerebrospinal fluid: an experimental study in rats, Harnish PP; Mukherji M, Invest Radiol 1989; **24:** 463

peritoneal reaction resulting from iodinated contrast material: comparative study, Eisenberg AD; Winfield AC; Page DL; Holburn GE; Schifter T; Segars JH, Radiology 1989; **172:** 149

platelet adhesion/aggregation to injured vascular endothelium in flowing blood: effects of contrast media, Grabowski EF, Invest Radiol 1990; **25:** S123

potential role of perfluorooctylbromide in the detection and characterization of liver lesions with CT, Mattrey RF, Radiology 1989; **170:** 18

preclinical evaluation of MnDPDP: new paramagnetic hepatobiliary contrast agent for MR imaging, Elizondo G; Fretz CJ; Stark DD; Rocklage SM; Quay SC; Worah D; Tsang Y-M; Chen MC-M; Ferrucci JT, Radiology 1991; **178:** 73

prevention and dispersion of contrast media induced red cell aggregates: an in vitro study, Raininko R; Ylinen S-L, Acta Radiol 1990; **31:** 309

radiocontrast agents are contact activators of coagulation, Dawson P; Bradshaw A, Br J Radiol 1989; **62:** 631

red blood cell aggregability and contrast media: recent results of quantitative dynamic ultrasonic analysis, Kallio T; Alanen A; Kormano M, Invest Radiol 1990; **25:** S121

renal effects of nonionic contrast media after intravenous, cardiac, and lumbar aortic injections, Jakobsen JA; Kolbenstvedt AN; Levorstad K; et al, Invest Radiol 1990; **25:** S135

renal effects of the non-ionic contrast medium iopentol after intravenous injection in healthy volunteers, Jakobsen JA; Berg KJ; Waaler A; et al, Acta Radiol 1990; **31:** 87

renal handling and physiologic effects of the paramagnetic contrast medium Gd-DOTA, Katzberg RW; Sahler LG; Duda SW; et al, Invest Radiol 1990; **25:** 714

renal hemodynamic effects of contrast media, Talner LB; Davidson AJ, Invest Radiol 1990; **25:** 365

renal tolerance for ioxaglate in patients with chronic renal failure, Deray G; Cacoub P; Jacquiaud C; Drobinski M; Brillet G; Bunker D; Jaudon M-C; Jacobs C, Radiology 1991; **179:** 395

safety assessment of gadopentetate dimeglumine in U.S. clinical trials, Goldstein HA; Kashanian FK; Blumetti RF; Holyoak WL; Hugo FP; Blumenfield DM, Radiology 1990; **174:** 17

selective injection of contrast media: inflammatory effects on rabbit fallopian tubes, Thurmond AS; Hedgpeth PL; Scanlan RM, Radiology 1991; **180:** 97

systemic, pulmonary and renal haemodynamic and renal morphologic effects of intravenously infused iodixanol: a study in the pig of a new iso-osmolar contrast medium, Sunnegårdh O; Hietala S-O; Holtz E, Acta Radiol 1990; **31:** 513

systemic, pulmonary and renal haemodynamic effects of large intravenous doses of high and low osmolar contrast media: an investigation in the pig of ratio 1.5 and ratio 3 media, Sunnegårdh O; Hietala S-O; Wirell S; et al, Acta Radiol 1990; **31:** 297

therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Rasmussen F; Lindequist S; Larsen C; Justesen P, Radiology 1991; **179:** 75

thrombin generation in nonclottable mixtures of blood and nonionic contrast agents, Kopko PM; Smith DC; Bull BS, Radiology 1990; **174:** 459

vasopressin release in response to intravenously injected contrast media, Trewhella M; Dawson P; Forsling M; et al, Br J Radiol 1990; **63:** 97

vicarious contrast material excretion in patients with acute unilateral ureteral obstruction, Dyer RB; Gilpin JW; Zagoria RJ; Chen MYM; Case LD, Radiology 1990; **177:** 739

Contrast media, experimental studies

biochemical evidence for a relative lack of inhibition of thrombin formation by nonionic contrast media, Mamon JF; Hoppensteadt D; Fareed J; Moncada R, Radiology 1991; **179:** 399

comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL, JMRI 1991; **1:** 357

comparison of nonionic and ionic contrast agents in the rabbit lung, Moore DE; Carroll FE; Dutt PL; et al, Invest Radiol 1991; **26:** 134

contrast media- and pharmacologic-induced nephropathies: effects of diatrizoate and iohexol on urine profiles in rats, Thomsen HS, Invest Radiol 1990; **25:** S129

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; **1:** 285

effect of sodium iothalamate on the vascular resistance of the isolated perfused rat kidney, Haylor JL; El Sayed AA; El Nahas AM; et al, Br J Radiol 1991; **64:** 50

effects of contrast agents on the fallopian tube in a rabbit model, Moore DE; Segars JH Jr; Winfield AC; Page DL; Eisenberg AD; Holburn GE, Radiology 1990; **176:** 721

electroencephalographic effects of intracisternally injected nonionic x-ray contrast media in rats, Adams MD; Ralston WH; Miller JW; et al, Invest Radiol 1990; **25:** S86

MR imaging of blood-borne liver metastases in mice: contrast enhancment with Fe-EHPG, Shtern F; Garrido L; Compton C; Swiniarski JK; Lauffer RB; Brady TJ, Radiology 1991; **178:** 83

muscular and central nervous system side effects of intracarotid contrast media in rabbits, Whisson CC; Evill CA; Wilson AJ; et al, Invest Radiol 1990; **25:** S90

myocardial infarction: assessment with an intravascular MR contrast medium. work in progress, Saeed M; Wendland MF; Masui T; Connolly AJ; Derugin N; Brasch RC; Higgins CB, Radiology 1991; **180:** 153

neurography using the intramuscular injection of ionic iodine contrast media, Penev B; Goldner B; Pišteljić D, Neuroradiol 1990; **32:** 316

perfluoroctylbromide as a gastrointestinal contrast agent for MR imaging: use with and without glucagon, Brown JJ; Duncan JR; Heiken JP; Balfe DM; Corr AP; Mirowitz SA; Eilenberg SS; Lee JKT, Radiology 1991; **181:** 455

polymeric gastrointestinal MR contrast agents, Tilcock CP; Unger EC; Ahkong QF; Fritz T; Koenig SH; Brown RD III, JMRI 1991; **1:** 463

receptor imaging: application to MR imaging of liver cancer, Reimer P; Weissleder R; Lee AS; Wittenberg J; Brady TJ, Radiology 1990; **177:** 729

selective injection of contrast media: inflammatory effects on rabbit fallopian tubes, Thurmond AS; Hedgpeth PL; Scanlan RM, Radiology 1991; **180:** 97

urinary excretion of iohexol in rats with radiation injury of the intestine, Laerum F; Solheim KE; Stordahl A; et al, Invest Radiol 1990; **25:** S115

vertebral artery injections of methylglucamine diatrizoate 60%, iopromide, and iotrolan in the rabbit, Thomson KR; Wells DG; O'Brien K; et al, Invest Radiol 1990; **25:** S88

Contrast media, fatty acid

acalculous cholecystitis complicating hepatic intraarterial lipiodol: case report, Yeung E; Jackson J; Finn JP; et al, Cardiovasc Intervent Radiol 1989; **12:** 80

case of the month: a rare diversion?, Wardlow JM; Cruikshank JG, Br J Radiol 1989; **62:** 759

case report: lipiodol retention at the site of liver biopsy; a false positive result in the investigation of hepatocellular carcinoma, Jackson JE; Yeung EYC; McCarthy P; et al, Clin Radiol 1989; **40:** 538

clinical trials with a new iodinated lipid emulsion for computed tomography of the liver, Ivancev K; Lunderquist A; Isaksson A; et al, Acta Radiol 1989; **30:** 449

computed tomography of hepatic oil embolism following lymphangiography, Lorigan JG; Libshitz HI, Clin Radiol 1989; **40:** 259

dacryocystography: comparison of water-soluble and oil-based contrast agents, Munk PL; Burhenne LW; Buffam FV; Nugent RA; Lin DTC, Radiology 1989; **173:** 827

detection of hepatocellular carcinoma: comparison of CT during arterial portography with CT after intraarterial injection of iodized oil, Merine D; Takayasu K; Wakao F, Radiology 1990; **175:** 707

effect of intravenously injected iodinated lipid emulsions on the liver: an experimental study correlating computed tomography findings with in vivo microscopy and electron microscopy findings, Ivancev K; Lunderquist A; McCuskey P; et al, Acta Radiol 1989; **30:** 291

effects of contrast agents on the fallopian tube in a rabbit model, Moore DE; Segars JH Jr; Winfield AC; Page DL; Eisenberg AD; Holburn GE, Radiology 1990; **176:** 721

exophytic regenerating nodule of the liver: misleading appearance on iodized-oil CT, Fujimoto H; Uchiyama G; Araki T; et al, JCAT 1991; **15:** 495

hypovascular hepatocellular carcinoma undetected at angiography and CT with iodized oil, Yoshimatsu S; Inoue Y; Ibukuro K; Suzuki S, Radiology 1989; **171:** 343

in vivo microscopy of the liver after injection of Lipiodol into the hepatic artery and portal vein in the rat, Kan Z; Ivancev K; Hägerstrand I; et al, Acta Radiol 1989; **30:** 419

lipiodol computerized tomography: how sensitive and specific is the technique in the diagnosis of hepatocellular carcinoma?, Ngan H, Br J Radiol 1990; **63:** 771

lipiodol enhanced CT scanning in assessment of hepatocellular carcinoma, Raby N; Karani J; Michell M; et al, Clin Radiol 1989; **40:** 480

lipiodol retention within hepatic cavernous hemangioma, Uflacker R; Mourão GS; Piske RL, Cardiovasc Intervent Radiol 1989; **12:** 76

liver abscess complicating intratumoral ethanol injection therapy for HCC, (ab), Isobe H; Fukai T; Iwamoto H; et al, JVIR 1991; **2:** 297

newly developed transarterial chemoembolization material: CDDP-lipiodol suspension, Araki T; Hihara T; Kachi K; et al, Gastrointest Radiol 1989; **14:** 46

peritoneal reaction resulting from iodinated contrast material: comparative study, Eisenberg AD; Winfield AC; Page DL; Holburn GE; Schifter T; Segars JH, Radiology 1989; **172:** 149

radiological-pathological correlation of hepatocellular carcinoma (HCC), Kreel L; Arnold MM; Chan MSY; et al, Clin Radiol 1991; **44:** 42

renal cisplatin chemoembolization with Angiostat, Gelfoam, and Ethiodol in the rabbit: renal platinum distributions, Sternlicht M; Sales SF; Daniels JR; Daniels A, Radiology 1989; **170:** 1073

small hepatocellular carcinoma: detection with sonography, computed tomography (CT), angiography and Lipiodol-CT, Choi BI; Park JH; Kim BH; et al, Br J Radiol 1989; **62:** 897

targeting cancer chemotherapeutic agents by use of lipiodol contrast medium, (ab), Konno T, JVIR 1991; **2:** 296

targeting cancer chemotherapeutic agents by use of lipiodol contrast medium, (ab), Konno T, Radiology 1991; **179:** 592

transcatheter arterial chemoembolization with anticancer drug in iodized oil for primary hepatic carcinoma, Guo J; Yen D; Huang Z; et al, Cardiovasc Intervent Radiol 1989; **12:** 181

treatment of liver metastases by arterial injection of adriamycin/mitomycin C lipiodol suspension, Inoue H; Kobayashi H; Itoh Y; et al, Acta Radiol 1989; **30:** 603

Contrast media, magnetic resonance (MR)

See Magnetic resonance (MR), contrast enhancement

Contrast media, toxicity

absence of functional renal effects of uro-angiographic contrast media on post-ischemic rat kidneys, Verbaeys A; Van Maele G; De Sy W; et al, Acta Radiol 1991; **32:** 325

acute and chronic renal effects of radiocontrast in diabetic rats: role of anesthesia and risk factors, Vaamonde CA; Bier RT; Papendick R; et al, Invest Radiol 1989; **24:** 206

acute lethality after enteral administration of contrast media in anaesthetized rats with intestinal ischaemia, Stordahl A; Haider T; Laerum F, Acta Radiol 1989; **30:** 213

acute renal dysfunction in high-risk patients after angiography: comparison of ionic and nonionic contrast media, Gomes AS; Lois JF; Baker JD; McGlade CT; Bunnell DH; Hartzman S, Radiology 1989; **170:** 65

acute renal failure in rats: interaction between contrast media and temporary renal arterial occlusion, Cederholm C; Almén T; Bergqvist D; et al, Acta Radiol 1989; **30:** 321

adriamycin nephrosis and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Golman K; Hemmingsen L; et al, Acta Radiol 1990; **31:** 93

analysis of renal and hepatic impairment by ionic and nonionic contrast media, Langer M; Langer R; Felix R; et al, Invest Radiol 1990; **25:** S125

biological dosimetry for iodine contrast medium and x-ray interactions by cell survival, Tokita N; Akine Y; Egawa S; et al, Br J Radiol 1990; **63:** 735

chemotoxic effects of low-osmolar contrast media on the blood–brain barrier, Evill CA; Wilson AJ; Sage MR, Invest Radiol 1990; **25:** S82

comparative study of the nephrotoxicity of iohexol, iopamidol and ioxaglate in peripheral angiography, Campbell DR; Flemming BK; Mason WF; et al, J Canad Assoc Radiol 1990; **41:** 133

comparison of soft tissue effects of conventional ionic, low osmolar ionic and nonionic iodine containing contrast material in experimental animals, McAlister WH; Kissane JM, Pediatr Radiol 1990; **20:** 170

contrast medium-induced acute renal failure: can it be prevented?, Golman K; Cederholm C, Invest Radiol 1990; **25:** S127

controlled trials of radiologic contrast media: issues in quality assessment and synthesis, Powe NR; Kinnison ML; Steinberg EP, Radiology 1991; **179:** 22

dosing of contrast material to prevent contrast nephropathy in patients with renal disease, (ab), Cigarroa RG; Lange RA; Williams RH; et al, Radiology 1989; **173:** 883

effect of contrast media on left ventricular function during left coronary arteriography in dogs, Hayakawa K; Yamashita K, Acta Radiol 1989; **30:** 655

effect of iohexol on brainstem auditory evoked potentials: a prospective study on 30 patients, Yip P-K; Chang YC; Liu HM, Neuroradiol 1991; **33:** 313

effect of sodium addition to non-ionic contrast media on cardiac contractile force: perfusion of the isolated rabbit heart with iohexol and iopentol containing 0 to 154 mmol Na^+/l added as NaCl, Bååth L; Almén T; Oksendal A, Acta Radiol 1990; **31:** 99

effects of contrast agents on the fallopian tube in a rabbit model, Moore DE; Segars JH Jr; Winfield AC; Page DL; Eisenberg AD; Holburn GE, Radiology 1990; **176:** 721

effects of contrast media on renal graft function and survival after cerebral angiography of cadaveric donors, Hietala S-O; Segerstedt B; Wirell S; et al, Acta Radiol 1989; **30:** 317

effects of water soluble contrast agents on the respiratory tract, Lovett I; Donchey S; Doust B; et al, Australas Radiol 1989; **33:** 124

effects on the ATP content of cultured cells after radiographic contrast media exposure: evidence for accumulation of contrast media in cultured cells, Nordby A; Thorstensen K; Halgunset J; et al, Acta Radiol 1989; **30:** 541

electroencephalographic effects of intracisternally injected nonionic x-ray contrast media in rats, Adams MD; Ralston WH; Miller JW; et al, Invest Radiol 1990; **25:** S86

enzyme markers of contrast media-induced renal failure, Parvez Z; Ramamurthy S; Patel NB; et al, Invest Radiol 1990; **25:** S133

epilepsy in patients with brain metastases triggered by intravenous contrast medium, Avrahami E; Weiss-Peretz J; Cohn DF, Clin Radiol 1989; **40:** 422

estimation of glomerular filtration rate from low-dose injection of iohexol and a single blood sample, Thomsen HS; Hvid-Jacobsen K, Invest Radiol 1991; **26:** 332

experimental nephrotoxicity of the radiocontrast agents iohexol, ioxaglate, and iothalamate: an in vitro and in vivo study, Brezis M; Greenfeld Z; Herman M; et al, Invest Radiol 1991; **26:** 325

experimental tissue damage after subcutaneous injection of water soluble contrast media, Kim SH; Park JH; Kim YI; et al, Invest Radiol 1990; **25:** 678

extravascular toxicity of two magnetic resonance contrast agents: preliminary experience in the rat, Cohan RH; Leder RA; Herzberg AJ; et al, Invest Radiol 1991; **26:** 224

frequency and determinants of adverse reactions induced by high-osmolality contrast media, Moore RD; Steinberg EP; Powe NR; White RI Jr; Brinker JA; Fishman EK; Zinreich SJ; Smith CR, Radiology 1989; **170:** 727

gadopentetate dimeglumine: observations on the clinical research process, Kieffer SA, Radiology 1990; **174:** 7

hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography, (ab), Grabowski EF, Radiology 1991; **180:** 887

iodinated contrast media effects on extravascular lung water, central blood volume, and cardiac output in humans, Böck JC; Barker BC; Federle MP; et al, Invest Radiol 1990; **25:** 938

iodinated intravascular contrast agents past and present: toxicity considerations, Dawson P, Invest Radiol 1990; **25:** S11

ioxilan, a third generation low osmolality nonionic contrast medium: systemic and renal hemodynamic effects, Katzberg RW; Donahue LA; Morris TW; et al, Invest Radiol 1990; **25:** 46

low-osmolality contrast media-induced ventricular fibrillation, Hayakawa K; Yamashita K, Invest Radiol 1989; **24:** 298

lumbar myelography with iohexol in outpatients: prospective multicenter evaluation of safety, Wang H; Binet EF; Gabrielsen TO; Rosenbaum AE, Radiology 1989; **173:** 239

miscellaneous adverse effects of low- versus high-osmolality contrast media: a study revised, Brismar J; Jacobsson BF; Jorulf H, Radiology 1991; **179:** 19

muscle toxicity of diatrizoate and iohexol in rabbits: a model for local tissue damage, Thomsen HS; Golman K; Svendsen O, Acta Radiol 1991; **32:** 182

nephropathy induced by intramuscularly administered glycerol and contrast media in rats: a comparison between diatrizoate, iohexol and ioxilan, Thomsen HS; Larsen S; Hemmingsen L; et al, Acta Radiol 1989; **30:** 217

nephrotoxicity from contrast material in renal insufficiency: ionic versus nonionic agents, Harris KG; Smith TP; Cragg AH; Lemke JH, Radiology 1991; **179:** 849

nephrotoxicity of contrast media in patients with diabetes mellitus: a comparative urographic and angiographic study with iohexol and metrizoate, Billström A; Hietala S-O; Lithner F; et al, Acta Radiol 1989; **30:** 509

nephrotoxicity of cyclosporin A and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Larsen S; Skaarup P; et al, Acta Radiol 1989; **30:** 647

neurotoxicity of iohexol vs iopamidol in lumbar myelography: clinical, electrophysiological and brain CT scan correlations, Floras P; Deliac P; Gross C; et al, J Neuroradiol 1990; **17:** 190

pathomorphologic characteristics of 102 cases of Thorotrast-related hepatocellular carcinoma, cholangiocarcinoma, and hepatic angiosarcoma, (ab), Ito Y; Kojiro M; Nakashima T; et al, Radiology 1989; **171:** 290

preclinical evaluation of MnDPDP: new paramagnetic hepatobiliary contrast agent for MR imaging, Elizondo G; Fretz CJ; Stark DD; Rocklage SM; Quay SC; Worah D; Tsang Y-M; Chen MC-M; Ferrucci JT, Radiology 1991; **178:** 73

quality assessment of randomized controlled trials of contrast media, Powe NR; Kinnison ML; Steinberg EP, Radiology 1989; **170:** 377

reducing the risk of ventricular fibrillation by adding sodium to ionic and non-ionic contrast media with low iodine concentration: coronary perfusion of the isolated rabbit heart with meglumine diatrizoate or iopentol at 140 mg I/ml and 0–154 mmol Na^+/l, Bååth L; Almén T, Acta Radiol 1989; **30:** 207

renal effects of iopentol and iohexol after intravenous injection, (ab), Jakobsen JA; Kolbenstvedt AN; Berg KJ, Acta Radiol 1991; **32:** 320

renal effects of the non-ionic contrast medium iopentol after intravenous injection in healthy volunteers, Jakobsen JA; Berg KJ; Waaler A; et al, Acta Radiol 1990; **31:** 87

renal functional response to dopamine during and after arteriography in patients with chronic renal insufficiency, Hans B; Hans SS; Mittal VK; Khan TA; Patel N; Dahn MS, Radiology 1990; **176:** 651

results of randomized controlled trials of low- versus high-osmolality contrast media, Kinnison ML; Powe NR; Steinberg EP, Radiology 1989; **170:** 381

risks of death and of severe nonfatal reactions with high- vs low-osmolality contrast media: a meta-analysis, Caro JJ; Trindade E; McGregor M, AJR 1991; **156:** 825

role of red blood cell deformation in toxicity of contrast media in cerebral angiography, Miyazawa T; Nakagawa H; Oshino N, Invest Radiol 1989; **24:** 383

safety assessment of gadopentetate dimeglumine in U.S. clinical trials, Goldstein HA; Kashanian FK; Blumetti RF; Holyoak WL; Hugo FP; Blumenfield DM, Radiology 1990; **174:** 17

safety of cardiac angiography with conventional ionic contrast agents, (ab), Hirshfeld JW Jr; Kussmaul WG; DiBattiste PM; et al, JVIR 1991; **2:** 302

sequential loss of splenic and then hepatic function in a patient with Thorotrast loading, Antar MA; Kassamali H; Spencer RP, Clin Nucl Med 1989; **14:** 634

vertebral artery injections of methylglucamine diatrizoate 60%, iopromide, and iotrolan in the rabbit, Thomson KR; Wells DG; O'Brien K; et al, Invest Radiol 1990; **25:** S88

Copper

hepatocellular carcinomas with excessive copper accumulation: CT and MR findings, Kitagawa K; Matsui O; Kadoya M; Takashima T; Kawamori Y; Yamahana T; Kidani H; Hirano M; Masuda S; Nakanuma Y; Haratake J, Radiology 1991; **180:** 623

MR imaging of small hepatocellular carcinoma: effect of intratumoral copper content on signal intensity, Ebara M; Watanabe S; Kita K; Yoshikawa M; Sugiura N; Ohto M; Kondo F; Kondo Y, Radiology 1991; **180:** 617

Coronary angiography

See also Angiocardiography

caudal-posteroanterior view in coronary arteriography, Meyerovitz MF; Reagan K; Friedman PL, Radiology 1989; **171:** 866

comparison of low osmolality ionic (ioxaglate) versus nonionic (iopamidol) contrast media in cardiac angiography, (ab), Wisneski JA; Gertz EW; Dahlgren M; et al, Radiology 1989; **173:** 586

computerized on-line reporting of coronary angiograms with the CLIP system, Kim D; Leeming BWA, AJR 1990; **154:** 1307

coronary angiographic abnormalities in mucocutaneous lymph node syndrome: acute findings and long-term follow-up, Kuribayashi S; Ootaki M; Tsuji M; Matsuyama S; Iwasaki H; Oota T, Radiology 1989; **172:** 629

coronary angiography and thallium-201 single photon emission computed tomography in single vessel coronary artery disease, Svane B; Bone D; Holmgren A, Acta Radiol 1990; **31:** 237

coronary angiography in atrial myxoma: findings in nine cases, Fueredi GA; Knechtges TE; Czarnecki DJ, AJR 1989; **152:** 737

coronary angiography of pulmonary atresia, hypoplastic right ventricle, and ventriculocoronary communications, Burrows PE; Freedom RM; Benson LN; et al, AJR 1990; **154:** 789

detection of mild coronary stenoses using the dynamic spatial reconstructor, Spyra WJT; Bell MR; Bahn RC; et al, Invest Radiol 1990; **25:** 472

effect of contrast media on left ventricular function during left coronary arteriography in dogs, Hayakawa K; Yamashita K, Acta Radiol 1989; **30:** 655

frequency of angiographic detection and quantitative assessment of coronary arterial disease one and three years after cardiac transplantation, (ab), O'Neill BJ; Pflugfelder PW; Singh NR; et al, Radiology 1989; **173:** 885

left coronary angiography in the pre-operative diagnosis of thrombosis of the left atrium or its appendage in rheumatic mitral stenosis, Sharma S; Kumar MV; Reddy VM; et al, Clin Radiol 1990; **42:** 188

one-year psychosocial follow-up of patients with chest pain and angiographically normal coronary arteries, (ab), Lantinga LJ; Sprafkin RP; McCroskery JH; et al, Radiology 1989; **171:** 589

organ doses from cardiac and carotid digital subtraction angiography, Mustafa AA; Janeczek J, Br J Radiol 1989; **62:** 838

polar presentation of coronary angiography and thallium-201 single photon emission computed tomography: a method for comparing anatomic and pathologic findings in coronary angiography with isotope distribution in thallium-201 myocardial SPECT, Svane B; Bone D; Holmgren A; et al, Acta Radiol 1989; **30:** 561

use of coronary arteriography in the preoperative management of patients undergoing urgent repair of the thoracic aorta, (ab), Kern MJ; Serota H; Callicoat P; et al, Radiology 1990; **176:** 883

Coronary angiography, complications

cortical blindness after coronary angiography: a rare but reversible complication, (ab), Kinn RM; Breisblatt WM, JVIR 1991; **2:** 416

thromboembolic phenomena in clinical angiography: role of materials and technique, Dawson P; Strickland NH, JVIR 1991; **2:** 125

Coronary angiography, contrast media

cardiac effects from addition of sodium ions to nonionic contrast media for coronary arteriography: an investigation in the isolated rabbit heart, Bååth L; Almén T; Öksendal A, Invest Radiol 1990; **25:** S137

comparison of iopromide and iopamidol in left ventricular angiography and in coronary angiography, Dyet JF; Carter EC; Hartley WC, Br J Radiol 1990; **63:** 700

comparison of the electrophysiologic effects of ioxaglate and iopamidol during selective coronary arteriography, Amiel M; Moll T; Revel D; et al, Invest Radiol 1990; **25:** S141

effect of sodium addition to non-ionic contrast media on cardiac contractile force: perfusion of the isolated rabbit heart with iohexol and iopentol containing 0 to 154 mmol Na^+/l added as NaCl, Bååth L; Almén T; Öksendal A, Acta Radiol 1990; **31:** 99

effects of contrast media on the RR and QT interval during coronary arteriography, Mitsumori M; Hayakawa K; Soga T; et al, Acta Radiol 1991; **32:** 120

effects of iodixanol and iopamidol on hemodynamic and cardiac electrophysiologic parameters in vitro and in vivo, Dundore RL; Silver PJ; Ezrin AM; et al, Invest Radiol 1991; **26:** 715

influence of sodium on electrocardiography during coronary angiography in humans with iopromide, Niendorf HP; Antoni D; Dinger JC, Invest Radiol 1990; **25:** S146

inotropic effects of sodium citrate in a nonionic contrast medium, Morris TW, Invest Radiol 1990; **25:** S144

iohexol, ioxaglate and iopamidol in coronary angiography: a double-blind comparative study of 300 patients, Soiva M; Hekali P; Keto P; et al, Australas Radiol 1991; **35:** 109

oxygen saturation of the low osmolar contrast media iohexol, ioxaglate and iodixanol: effects on contractile force and frequency of ventricular fibrillation in the isolated rabbit heart, Bååth L; Almén T; Öksendal A, Acta Radiol 1990; **31:** 519

reduction of the risk of ventricular fibrillation in the isolated rabbit heart by small additions of electrolytes to non-ionic monomeric contrast media, Bååth L; Almén T, Acta Radiol 1989; **30:** 327

renal tolerance for ioxaglate in patients with chronic renal failure, Deray G; Cacoub P; Jacquiaud C; Drobinski M; Brillet G; Bunker D; Jaudon M-C; Jacobs C, Radiology 1991; **179:** 395

risk of thromboembolism during diagnostic and interventional cardiac procedures with nonionic contrast media, Hwang MH; Piao ZE; Murdock DK; Messmore HL; Giardina JJ; Scanlon PJ, Radiology 1990; **174:** 453

safety of cardiac angiography with conventional ionic contrast agents, (ab), Hirshfeld JW Jr; Kussmaul WG; DiBattiste PM; et al, JVIR 1991; **2:** 302

safety of cardiac angiography with conventional ionic contrast agents, (ab), Hirshfeld JW Jr; Kussmaul WG; DiBattiste PM; et al, Radiology 1991; **178:** 589

safety of the nonionic contrast medium Omnipaque in coronary angiography, Levorstad K; Vatne K; Brodahl U; et al, Cardiovasc Intervent Radiol 1989; **12:** 98

sodium addition and/or oxygen saturation of iohexol during normal and reduced perfusion pressure: effects on contractile force and risk of ventricular fibrillation in the isolated rabbit heart, Bååth L, Acta Radiol 1990; **31:** 525

thromboembolic phenomena in clinical angiography: role of materials and technique, Dawson P; Strickland NH, JVIR 1991; **2:** 125

Coronary angiography, technology

absolute cross-sectional area measurements in quantitative coronary arteriography by dual-energy DSA, Molloi SY; Ersahin A; Roeck WW; et al, Invest Radiol 1991; **26:** 119

accuracy of individual and panel visual interpretations of coronary arteriograms: implications for clinical decisions, (ab), Beauman GJ; Vogel RA, JVIR 1990; **1:** 138

coronary angiography and thallium-201 single photon emission computed tomography in multiple vessel coronary artery disease, Svane B; Bone D; Holmgren A, Acta Radiol 1990; **31:** 325

coronary angiography by means of the percutaneous transbrachial approach, Kamiya H; Ohsugi S; Ohno M; Horiba M; Hayashi H, Radiology 1991; **179:** 863

granulocyte enzymes and complement after an anaphylactoid reaction to coronary angiography, Rasmussen F; Antonsen S; Georgsen J, Eur J Radiol 1991; **13:** 46

in vivo assessment of a digital angiographic method to measure absolute coronary artery diameters, (ab), Popma JJ; Eichhorn EJ; Dehmer GJ, Radiology 1990; **174:** 587

quantitative dual-energy coronary arteriography, Molloi SY; Weber DM; Peppler WW; et al, Invest Radiol 1990; **25:** 908

Coronary vessels

caudal-posteroanterior view in coronary arteriography, Meyerovitz MF; Reagan K; Friedman PL, Radiology 1989; **171:** 866

Coronary vessels, anomalies

congenital anomalies of the coronary arteries: classification and significance, Greenberg MA; Fish BG; Spindola-Franco H, Radiol Clin North Am 1989; **27:** 1127

congenital coronary artery anomalies in Noonan's syndrome, (ab), Wong C-K; Cheng C-H; Lau C-P; et al, Radiology 1990; **176:** 883

delayed pleuropulmonary complications following coronary artery revascularization with the internal mammary artery, (ab), Kollef MH; Peller T; Knodel A; et al, Radiology 1989; **170:** 900

isotopic findings in anomalous origin of the left coronary artery from the pulmonary artery: report of an adult case, Anguenot TJ; Bernard YF; Cardot JC; et al, J Nucl Med 1991; **32:** 1788

MR imaging in the definition of coronary artery anomalies, Pucillo AL; Schechter AG; Moggio RA; et al, JCAT 1990; **14:** 171

rapid identification of the course of anomalous coronary arteries in adults: the "dot and eye" method, (ab), Serota H; Barth CW; Seuc CA; et al, Radiology 1990; **177:** 597

thallium-201 imaging in anomalous left coronary artery originating from pulmonary trunk, Kim SM; Park CH; Intenzo CM; et al, Clin Nucl Med 1989; **14:** 492

Coronary vessels, calcification

coronary artery calcification identified by CT in patients over forty years of age, Woodring JH; West JW, Australas Radiol 1989; **33:** 79

coronary artery calcification in Kawasaki disease, Ino T; Shimazaki S; Akimoto K; et al, Pediatr Radiol 1990; **20:** 520

coronary artery calcifications: significance of incidental detection on CT scans, Moore EH; Greenberg RW; Merrick SH; Miller SW; McLoud TC; Shepard JO, Radiology 1989; **172:** 711

Coronary vessels, CT

computed tomographic assessment of coronary artery bypass grafts with fast dynamic scanning, Slaughter RE; Partridge JB, Australas Radiol 1990; **34:** 102

Coronary vessels, diseases

alcohol consumption, serum lipids and severity of angiographically determined coronary artery disease, (ab), Handa K; Sasaki J; Saku K; et al, Radiology 1990; **177:** 292

coronary angiographic abnormalities in mucocutaneous lymph node syndrome: acute findings and long-term follow-up, Kuribayashi S; Ootaki M; Tsuji M; Matsuyama S; Iwasaki H; Oota T, Radiology 1989; **172:** 629

coronary artery disease in the octogenarian: angiographic spectrum and suitability for revascularization, (ab), Kowalchuk GJ; Ciu SC; Lewis SM, Radiology 1991; **180:** 294

detecting and assessing severity of coronary artery disease in humans, Gould KL, Cardiovasc Intervent Radiol 1990; **13:** 5

detection of coronary artery disease using MR imaging with dipyridamole infusion, Pennell DJ; Underwood SR; Longmore DB, JCAT 1990; **14:** 167

diagnosis of coronary artery disease by radionuclide angiography: effect of combining indices of left ventricular function, Pace L; Bacharach SL; Bonow RO; et al, J Nucl Med 1989; **30:** 1966

evaluation of ventricular function in patients with coronary artery disease, Rocco TP; Dilsizian V; Fischman AJ; et al, J Nucl Med 1989; **30:** 1149

insights into coronary artery disease gained from metabolic imaging, (ab), Schelbert HR; Buxton D, Radiology 1989; **171:** 884

lifetime risk of hip, Colles', or vertebral fracture and coronary heart disease among white postmenopausal women, (ab), Cummings SR; Black DM; Rubin SM, Radiology 1990; **175:** 592

nuclear exercise testing and the management of coronary artery disease, Steingart RM; Wassertheil-Smoller S; Tobin JN; et al, J Nucl Med 1991; **32:** 753

perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR, Radiology 1990; **175:** 103

presentation and late outcome of myocardial infarction in the absence of angiographically significant coronary artery disease, (ab), Pecora MJ; Roubin GS; Cobbs BW Jr; et al, Radiology 1989; **171:** 884

Coronary vessels, dissection

balloon dilatation of symptomatic subacute intimal dissection presenting as restenosis, (ab), Noveck HD; Klein LW; Kramer B; et al, Radiology 1990; **176:** 590

clinical course and long-term prognosis of spontaneous coronary artery dissection, (ab), DeMaio SJ Jr; Kinsella SH; Silverman ME, Radiology 1990; **175:** 292

comparison of dissection rates and angiographic results following directional coronary atherectomy and coronary angioplasty, (ab), Rowe MH; Hinohara T; White NW; et al, Radiology 1991; **178:** 589

Coronary vessels, flow dynamics

changes in diameter of coronary narrowings and translesional hemodynamics after intracoronary nitroglycerin, (ab), Kimball BP; Bui S; Dafopoulos N, Radiology 1991; **179:** 294

MR imaging of coronary artery flow in isolated and in vivo hearts, Burstein D, JMRI 1991; **1:** 337

Coronary vessels, MR

coronary arteries: breath-hold MR angiography, Edelman RR; Manning WJ; Burstein D; Paulin S, Radiology 1991; **181:** 641

coronary arteries: potential for MR imaging, Caputo GR, Radiology 1991; **181:** 629

detection of coronary artery disease using MR imaging with dipyridamole infusion, Pennell DJ; Underwood SR; Longmore DB, JCAT 1990; **14:** 167

method of coronary MR angiography, Dumoulin CL; Souza SP; Darrow RD; et al, JCAT 1991; **15:** 705

MR imaging in the definition of coronary artery anomalies, Pucillo AL; Schechter AG; Moggio RA; et al, JCAT 1990; **14:** 171

MR imaging of coronary artery aneurysms in a child with Kawasaki disease, Bisset GS III; Strife JL; McCloskey J, AJR 1989; **152:** 805

MR imaging of coronary artery flow in isolated and in vivo hearts, Burstein D, JMRI 1991; **1:** 337

study of coronary artery bypass graft patency using MR imaging, Frija G; Schouman-Claeys E; Lacombe P; et al, JCAT 1989; **13:** 226

Coronary vessels, obstruction

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Coronary vessels, radionuclide studies

applications of exercise radionuclide ventriculography in the clinical management of patients with coronary artery disease, Rozanski A, J Thorac Imag 1990; **5-3:** 37

combined exercise radionuclide angiocardiography and single photon emission computed tomography perfusion studies for assessment of coronary artery disease, Borges-Neto S; Coleman RE; Potts JM; et al, Semin Nucl Med 1991; **21:** 223

coronary angiography and thallium-201 single photon emission computed tomography in single vessel coronary artery disease, Svane B; Bone D; Holmgren A, Acta Radiol 1990; **31:** 237

coronary angiography and thallium-201 single photon emission computed tomography in multiple vessel coronary artery disease, Svane B; Bone D; Holmgren A, Acta Radiol 1990; **31:** 325

dipyridamole technetium-99m-2-methoxy isobutyl isonitrile tomoscintigraphic imaging for identifying diseased coronary vessels: comparison with thallium-201 stress-rest study, Tartagni F; Dondi M; Limonetti P; et al, J Nucl Med 1991; **32:** 369

intravenous adenosine (Adenoscan) versus exercise in the noninvasive assessment of coronary artery disease by SPECT, LaManna MM; Mohama R; Slavich IL III; et al, Clin Nucl Med 1990; **15:** 804

isotopic findings in anomalous origin of the left coronary artery from the pulmonary artery: report of an adult case, Anguenot TJ; Bernard YF; Cardot JC; et al, J Nucl Med 1991; **32:** 1788

noninvasive assessment of coronary collaterals in man by PET perfusion imaging, Demer LL; Gould KL; Goldstein RA; et al, J Nucl Med 1990; **31:** 259

nuclear exercise testing and the management of coronary artery disease, Steingart RM; Wassertheil-Smoller S; Tobin JN; et al, J Nucl Med 1991; **32:** 753

perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR, Radiology 1990; **175:** 103

polar presentation of coronary angiography and thallium-201 single photon emission computed tomography: a method for comparing anatomic and pathologic findings in coronary angiography with isotope distribution in thallium-201 myocardial SPECT, Svane B; Bone D; Holmgren A; et al, Acta Radiol 1989; **30:** 561

positron emission tomography using fluorine-18 deoxyglucose in evaluation of coronary artery bypass grafting, (ab), Tamaki N; Yonekura Y; Yamashita K; et al, Radiology 1990; **175:** 886

ribose facilitates thallium-201 redistribution in patients with coronary artery disease, Perlmutter NS; Wilson RA; Angello DA; et al, J Nucl Med 1991; **32:** 193

technetium 99m sestamibi in the assessment of chronic coronary artery disease, Berman DS; Kiat H; Van Train K; et al, Semin Nucl Med 1991; **21:** 190

thallium-201 imaging in anomalous left coronary artery originating from pulmonary trunk, Kim SM; Park CH; Intenzo CM; et al, Clin Nucl Med 1989; **14:** 492

thallium-201 single photon emission computed tomography in patients with symptoms of heart disease and non-significant coronary artery lesions, Svane B; Bone D, Acta Radiol 1990; **31:** 463

Coronary vessels, stenosis or obstruction

angiographic follow-up after placement of a self-expanding coronary artery stent, (ab), Serruys PW; Strauss BH; Beatt KJ; et al, JVIR 1991; **2:** 294

applications of exercise radionuclide ventriculography in the clinical management of patients with coronary artery disease, Rozanski A, J Thorac Imag 1990; **5-3:** 37

changes in diameter of coronary narrowings and translesional hemodynamics after intracoronary nitroglycerin, (ab), Kimball BP; Bui S; Dafopoulos N, Radiology 1991; **179:** 294

clinical and angiographic results of balloon-expandable intracoronary stents in right coronary artery stenoses, (ab), Levine MJ; Leonard BM; Burke JA; et al, JVIR 1990; **1:** 137

comparison by quantitative angiographic assessment of coronary stenoses of one view showing the severest narrowing to two orthogonal views, (ab), Lesperance J; Hudon G; White CW; et al, Radiology 1990; **175:** 292

comparison of coronary stenosis quantitation results from on-line digital and digitized cine film images, (ab), Skelton TN; Kisslo KB; Bashore TM, Radiology 1989; **171:** 884

coronary angiographic abnormalities in mucocutaneous lymph node syndrome: acute findings and long-term follow-up, Kuribayashi S; Ootaki M; Tsuji M; Matsuyama S; Iwasaki H; Oota T, Radiology 1989; **172:** 629

coronary arteries in cases of cardiac and noncardiac sudden death, (ab), Cliff WJ; Heathcote CR; Moss NS; et al, Radiology 1989; **171:** 590

coronary artery calcifications: significance of incidental detection on CT scans, Moore EH; Greenberg RW; Merrick SH; Miller SW; McLoud TC; Shepard JO, Radiology 1989; **172:** 711

coronary morphology after percutaneous directional coronary atherectomy in humans: autopsy analysis of three patients, (ab), Garratt KN; Edwards WD; Vlietstra RE; et al, JVIR 1991; **2:** 293

detection of mild coronary stenoses using the dynamic spatial reconstructor, Spyra WJT; Bell MR; Bahn RC; et al, Invest Radiol 1990; **25:** 472

detection of restenosis after elective percutaneous transluminal coronary angioplasty using the exercise treadmill test, (ab), Bengtson JR; Mark DB; Honan MB; et al, Radiology 1990; **176:** 590

effect of coronary occlusion and myocardial viability on myocardial activity of technetium-99m-sestamibi, Freeman I; Grunwald AM; Hoory S; et al, J Nucl Med 1991; **32:** 292

iodophenylpentadecanoic acid-myocardial blood flow relationship during maximal exercise with coronary occlusion, Caldwell JH; Martin GV; Link JM; et al, J Nucl Med 1990; **31:** 99

morphologic observations late after coronary balloon angioplasty: mechanisms of acute injury and relationship to restenosis, Waller BF; Orr CM; Pinkerton CA; VanTassel JW; Pinto RP, Radiology 1990; **174:** 961

myocardial bridging of the coronary arteries, Channer KS; Bukis E; Hartnell G; et al, Clin Radiol 1989; **40:** 355

percutaneous coronary excimer laser-assisted balloon angioplasty: initial clinical and quantitative angiographic results in 50 patients, (ab), Sanborn TA; Torre SR; Sharma SK; et al, JVIR 1991; **2:** 293

quantitation of the critically ischemic zone at risk during acute coronary occlusion using PET, Merhige M; Garza D; Sease D; et al, J Nucl Med 1991; **32:** 1581

recanalization of chronic total coronary arterial occlusions by percutaneous excimer-laser and laser-assisted angioplasty, (ab), Werner GS; Buchwald A; Unterberg C; et al, Radiology 1991; **180:** 294

regional metabolism during coronary occlusion, reperfusion and reocclusion using phosphorus^{31} nuclear magnetic resonance spectroscopy in the intact rabbit, (ab), Kavanaugh KM; Aisen AM; Fechner KP; et al, Radiology 1989; **173:** 586

repeat percutaneous transluminal coronary angioplasty and predictors of recurrent restenosis, (ab), Quigley PJ; Hlatky MA; Hinohara T; et al, Radiology 1989; **173:** 587

restenosis after coronary angioplasty: an overview, (ab), Califf RM; Fortin DF; Frid DJ, JVIR 1991; **2:** 413

severity of coronary artery disease among blacks with acute myocardial infarction, (ab), Cooper R; Castaner A; Campo A; et al, Radiology 1989; **173:** 885

significance of spontaneous obstruction of high-degree coronary artery stenoses between diagnostic angiography and later percutaneous transluminal coronary angioplasty, (ab), Danchin N; Oswald T; Voiriot P; et al, Radiology 1989; **173:** 292

surgical revascularization of left main coronary artery stenosis: determinants of perioperative and long-term outcome in the 1980s, (ab), Gomberg J; Klein LW; Seelaus P; et al, Radiology 1989; **171:** 589

Coronary vessels, surgery

late results of 200 repeat coronary artery bypass operations, (ab), Verheul HA; Moulijin AC; Hondema S; et al, Radiology 1991; **180:** 886

mediastinal mass after coronary artery bypass surgery with internal mammary artery grafts, Benya EC; Joseph AE; Nemcek AA Jr, J Thorac Imag 1991; **6-2:** 40

pleuropulmonary morbidity: internal thoracic artery versus saphenous vein graft, (ab), Hurlbut D; Myers ML; et al, Radiology 1991; **181:** 614

recovery after unilateral phrenic injury associated with coronary artery revascularization, (ab), Wilcox PG; Paré PD; Pardy RL, Radiology 1991; **178:** 898

risk factors for nosocomial pneumonia after coronary artery bypass graft operations, (ab), Gaynes R; Bizek B; Mowry-Hanley J; et al, Radiology 1991; **181:** 611

use of duplex imaging to assess suitability of the internal mammary artery for coronary artery surgery, (ab), Canver CC; Ricotta JJ; Bhayana JN; et al, Radiology 1991; **180:** 590

Coronary vessels, thrombosis

labeling of human clots in vitro with an active-site mutant of t-PA, Fry ETA; Mack DL; Monge JC; et al, J Nucl Med 1990; **31:** 187

Coronary vessels, transluminal angioplasty

adjuvant therapy for intracoronary stents: investigations in atherosclerotic swine, (ab), Rodgers GP; Minor ST; Robinson K; et al, JVIR 1990; **1:** 138

balloon dilatation of symptomatic subacute intimal dissection presenting as restenosis, (ab), Noveck HD; Klein LW; Kramer B; et al, Radiology 1990; **176:** 590

comparison of dissection rates and angiographic results following directional coronary atherectomy and coronary angioplasty, (ab), Rowe MH; Hinohara T; White NW; et al, Radiology 1991; **178:** 589

controversies in peripheral vascular intervention, Wholey MH, Radiology 1990; **174:** 929

coronary angioplasty in young adults: initial results and late outcome, (ab), Webb JG; Myler RK; Shaw RE; et al, JVIR 1991; **2:** 417

coronary atherectomy: clinical, angiographic, and histological findings and observations regarding potential mechanisms, (ab), Safian RD; Gelbfish JS; Erny RE; et al, JVIR 1990; **1:** 138

detection of restenosis after elective percutaneous transluminal coronary angioplasty using the exercise treadmill test, (ab), Bengtson JR; Mark DB; Honan MB; et al, Radiology 1990; **176:** 590

early and five-year results for coronary artery bypass grafting: a benchmark for percutaneous transluminal coronary angioplasty, (ab), Daily PO, Radiology 1989; 173: 587

early and late results of coronary artery bypass after failed angioplasty: actuarial analysis of late events and comparison with initially successful angioplasty, (ab), Connor AR; Vlietstra RE; Schaff HV; et al, Radiology 1989; 171: 589

edge detection versus densitometry for assessing coronary stent implantation quantitatively, (ab), Strauss BH; Juilliere Y; Rensing BJ; et al, JVIR 1991; 2: 416

effect of pretreatment with aspirin versus aspirin plus dipyridamole on frequency and type of acute complications of percutaneous transluminal coronary angioplasty, (ab), Lembo NJ; Black AJR; Roubin GS; et al, Radiology 1990; 176: 883

emergency percutaneous transluminal coronary angioplasty during acute myocardial infarction for patients more than 70 years of age, (ab), Holland KJ; O'Neill WW; Bates ER; et al, Radiology 1989; 173: 587

intervention in acute myocardial infarction, Stark KS; Green CE, Radiol Clin North Am 1989; 27: 1205

left main coronary angioplasty: early and late results of 127 acute and elective procedures, (ab), O'Keefe JH Jr; Hartzler GO; Rutherford BD; et al, Radiology 1990; 174: 587

long-term results of successful and failed angioplasty for chronic total coronary arterial occlusion, (ab), Finci L; Meier B; Favre J; et al, Radiology 1991; 179: 294

multivessel coronary angioplasty from 1980 to 1989: procedural results and long-term outcome, (ab), O'Keefe JH; Rutherford BD; McConahay DR; et al, JVIR 1991; 2: 295

percutaneous coronary excimer laser angioplasty in patients with stable and unstable angina pectoris: acute results and incidence of restenosis during six-month follow-up, (ab), Karsch KR; Haase KK; Voelker W; et al, JVIR 1990; 1: 137

percutaneous transluminal coronary angioplasty for rest angina pectoris requiring intravenous nitroglycerin and intraaortic balloon counterpulsation, (ab), Morrison DA; Barbierre C; Cohan A; et al, Radiology 1991; 178: 590

percutaneous transluminal coronary angioplasty in patients with two or more previous coronary artery bypass grafting operations, (ab), Dorros G; Lewin RF; Mathiak LM; et al, Radiology 1989; 170: 292

percutaneous transluminal coronary angioplasty in the setting of large intracoronary thrombi, (ab), Mooney MR; Mooney JF; Goldenberg IF; et al, Radiology 1990; 177: 293

percutaneous transluminal coronary angioplasty: six years experience, Vatne K; Pedersen HK; Laake B; et al, Acta Radiol 1989; 30: 475

postcatheterization vascular complications associated with percutaneous transluminal coronary angioplasty, (ab), Oweida SW; Roubin GS; Smith RB; et al, Radiology 1991; 178: 898

prognostic significance of silent myocardial ischemia detected by early treadmill exercise after coronary angioplasty, (ab), Deligonul U; Vandormael MG; Younis LT; et al, Radiology 1990; 174: 901

prospective study of the incidence and natural history of femoral vascular complications after percutaneous transluminal coronary angioplasty, (ab), Kresowik TF; Khoury MD; Miller BV; et al, Radiology 1991; 180: 887

radionuclide methods to evaluate percutaneous transluminal coronary angioplasty, DePuey EG, Semin Nucl Med 1991; 21: 102

recanalization of chronic total coronary arterial occlusions by percutaneous excimer-laser and laser-assisted angioplasty, (ab), Werner GS; Buchwald A; Unterberg C; et al, Radiology 1991; 180: 294

reduction of myocardial ischemia during percutaneous transluminal coronary angioplasty with oxygenated fluosol, (ab), Kent KM; Cleman MW; Cowley MJ; et al, Radiology 1991; 178: 590

repeat percutaneous transluminal coronary angioplasty and predictors of recurrent restenosis, (ab), Quigley PJ; Hlatky MA; Hinohara T; et al, Radiology 1989; 173: 587

results of percutaneous transluminal coronary angioplasty for angina pectoris early after acute myocardial infarction, (ab), Holt GW; Gersh BJ; Holmes DR; et al, Radiology 1989; 170: 291

results of percutaneous transluminal coronary angioplasty for unstable angina pectoris in patients 70 years of age and older, (ab), Holt GW; Sugrue DD; Bresnahan JF; et al, Radiology 1989; 170: 292

results of percutaneous transluminal coronary angioplasty by multiple, relatively low frequency operators: 1986–1987 experience, (ab), Hamad N; Pichard AD; Lyle HRP; et al, Radiology 1989; 170: 292

results of percutaneous transluminal coronary angioplasty of high-risk angulated stenoses, (ab), Ellis SG; Topol EJ, Radiology 1991; 181: 294

safety and efficacy of percutaneous transluminal coronary angioplasty performed at time of diagnostic catheterization compared with that performed at other times, (ab), O'Keefe JH Jr; Reeder GS; Miller GA; et al, Radiology 1989; 172: 886

significance of spontaneous obstruction of high-degree coronary artery stenoses between diagnostic angiography and later percutaneous transluminal coronary angioplasty, (ab), Danchin N; Oswald T; Voiriot P; et al, Radiology 1989; 173: 292

two-year outcome after angiographically documented myocardial reperfusion for acute coronary occlusion, (ab), Muller DWM; Topol EJ; George BS; et al, Radiology 1991; 180: 886

usefulness of coronary angioplasty in asymptomatic patients, (ab), Anderson HV; Talley JD; Black AJR; et al, Radiology 1990; 176: 589

usefulness of percutaneous transluminal coronary angioplasty in alleviating silent myocardial ischemia in patients with absent or minimal painful myocardial ischemia, (ab), Stone GW; Spaude S; Ligon RW; et al, Radiology 1990; 175: 292

Coronary vessels, US

diagnosis of coronary artery dehiscence and pseudoaneurysm formation in postoperative Marfan patient by color flow Doppler echocardiography, Rice MJ; McDonald RW; Reller MD, JCU 1989; 17: 359

early assessment of coronary artery bypass graft patency by high-dose dipyridamole echocardiography, (ab), Bongo AS; Bolognese L; Sarasso G; et al, Radiology 1991; 180: 589

two-dimensional and Doppler echocardiographic features of coronary arteriovenous fistula: report of three cases, Fang B-R; Chiang C-W; Lin F-C; et al, J Ultrasound Med 1990; 9: 39

Corpus callosum, abnormalities

abnormal corpus callosum: a sensitive and specific indicator of multiple sclerosis, Gean-Marton AD; Vezina LG; Marton KI; Stimac GK; Peyster RG; Taveras JM; Davis KR, Radiology 1991; 180: 215

apparent atypical callosal dysgenesis: analysis of MR findings in six cases and their relationship to holoprosencephaly, Barkovich AJ, AJNR 1990; 11: 333

congenital central nervous system anomalies, Poe LB; Coleman LL; Mahmud F, Radiographics 1989; 9: 801

corpus callosum lipoma with frontal encephalocele, Rao AS; Rao VRK; Mandalam KR; et al, Neuroradiol 1990; 32: 50

developmental abnormalities of the corpus callosum in schizophrenia, (ab), Swayze VW II; Andreasen NC; Ehrhardt JC; et al, Radiology 1991; 178: 899

multiple sclerosis and imaging of the corpus callosum, Quint DJ, Radiology 1991; 180: 15

Corpus callosum, agenesis

agenesis of the corpus callosum and colloid cyst of the third ventricle: magnetic resonance imaging of an unusual association, del Carpio-O'Donovan R; Cardinal E, J Canad Assoc Radiol 1990; 41: 375

lipoma and agenesis of the corpus callosum with associated choroid plexus lipomas: in utero diagnosis, Mulligan G; Meier P, J Ultrasound Med 1989; 8: 583

prenatal diagnosis of agenesis of the corpus callosum using endovaginal ultrasound, Hilpert PL; Kurtz AB, J Ultrasound Med 1990; 9: 363

Corpus callosum, MR

abnormal corpus callosum: a sensitive and specific indicator of multiple sclerosis, Gean-Marton AD; Vezina LG; Marton KI; Stimac GK; Peyster RG; Taveras JM; Davis KR, Radiology 1991; 180: 215

apparent atypical callosal dysgenesis: analysis of MR findings in six cases and their relationship to holoprosencephaly, Barkovich AJ, AJNR 1990; 11: 333

development and aging of brain midline structures: assessment with MR imaging, Hayakawa K; Konishi Y; Matsuda T; Kuriyama M; Konishi K; Yamashita K; Okumura R; Hamanaka D, Radiology 1989; 172: 171

MR imaging of callosal and corticocallosal dysgenesis, Jinkins JR; Whittemore AR; Bradley WG, AJNR 1989; 10: 339

MR imaging of corpus callosotomy, Harris RD; Roberts DW; Cromwell LD, AJNR 1989; 10: 677

multiple sclerosis and imaging of the corpus callosum, Quint DJ, Radiology 1991; 180: 15

pericallosal lipomas: MR features, Suzuki M; Takashima T; Kadoya M; et al, JCAT 1991; 15: 207

Corpus cavernosum

assessment of normal and abnormal erectile function: color Doppler flow sonography versus conventional techniques, Schwartz AN; Lowe M; Berger RE; Wang KY; Mack LA; Richardson ML, Radiology 1991; 180: 105

fractured penis: sonographic aid to diagnosis, Forman HP; Rosenberg HK; Snyder HM III, AJR 1989; 153: 1009

intracorporeal calcifications after self-injection of papaverine, Pery M; Rosenberger A; Kaftori JK; Vardi Y, Radiology 1990; 176: 81

radioisotope penile plethysmography: a technique for evaluating corpora cavernosal blood flow during early tumescence, Schwartz AN; Graham MM; Ferency GF; et al, J Nucl Med 1989; 30: 466

traumatic laceration of intracavernosal arteries: the pathophysiology of nonischemic, high flow, arterial priapism, (ab), Witt MA; Goldstein I; Saenz de Tejada I; et al, Radiology 1990; 176: 590

Cost effectiveness

analysis of the cost-effectiveness of PACS, Hilsenrath PE; Smith WL; Berbaum KS; et al, AJR 1991; 156: 177

clinical trials to evaluate cost-effectiveness, Hillman BJ; Kahan JP; Neu CR; et al, Invest Radiol 1989; 24: 167

cost-effectiveness of CT scanning compared with mediastinoscopy in the preoperative staging of lung cancer, Eddy RJ, J Canad Assoc Radiol 1989; 40: 189

cost-effectiveness of nuclear medicine procedures in renovascular hypertension, Blaufox MD, Semin Nucl Med 1989; 19: 116

economic factors affecting practice of interventional radiology in the United States, Dorfman GS; Waltman AC, Radiology 1989; 172: 895

low-cost screening mammography: report on finances and review of 21,716 consecutive cases, Bird RE, Radiology 1989; 171: 87

oncology/radiation therapy: RSNA '89 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1990; 174: 919

protocol-driven radiologic evaluation of suspected cervical spine injury: efficacy study, Mirvis SE; Diaconis JN; Chirico PA; Reiner BI; Joslyn JN; Militello P, Radiology 1989; 170: 831

purchasing medical imaging equipment, Gray JE; Morin RL, Radiology 1989; 171: 9

utility-based model for comparing the cost-effectiveness of diagnostic studies, Patton DD; Woolfenden JM, Invest Radiol 1989; 24: 263

Craniopharyngioma

comparison of the roles of surgery and radiation therapy in the management of craniopharyngiomas, Wen B-C; Hussey DH; Staples J; et al, Int J Radiat Oncol Biol Phys 1989; 16: 17

infrasellar craniopharyngioma, Akimura T; Kameda H; Abiko S; et al, Neuroradiol 1989; **31:** 180

intrinsic third ventricle craniopharyngioma: CT and MR findings, Linden CN; Martinez CR; Gonzalvo AA; et al, JCAT 1989; **13:** 362

magnetic resonance imaging and computed tomography of an intraventricular craniopharyngioma, Sacher M; Gottesman RI; Rothman AS; et al, Clin Imag 1990; **14:** 116

magnetic resonance imaging of an intraventricular craniopharyngioma, Ikezaki K; Fujii K; Kishikawa T, Neuroradiol 1990; **32:** 247

megavoltage external beam irradiation of craniopharyngiomas: analysis of tumor control and morbidity, Flickinger JC; Lunsford LD; Singer J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 117

role of radiation therapy in the management of childhood craniopharyngioma, Weiss M; Sutton L; Marcial V; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1313

small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ, Radiology 1990; **176:** 563

Cranium
See Skull

Crohn disease
See Intestines, diseases

Cryptococcosis
case of the season, Pantongrag-Brown L, Semin Roentgenol 1991; **26:** 101

case report 664, Abdul-Karim FW; Pathria MN; Heller JG; et al, Skeletal Radiol 1991; **20:** 227

cryptococcal pulmonary infection in patients with AIDS: radiographic appearance, Miller WT Jr; Edelman JM; Miller WT, Radiology 1990; **175:** 725

CT of intracranial cryptococcosis, Popovich MJ; Arthur RH; Helmer E, AJNR 1990; **11:** 139

CT of intracranial cryptococcosis, Popovich MJ; Arthur RH; Helmer E, AJR 1990; **154:** 603

dilated Virchow-Robin spaces in cryptococcal meningitis associated with AIDS: CT and MR findings, Wehn SM; Heinz ER; Burger PC; et al, JCAT 1989; **13:** 756

Gd-DTPA–enhanced MR of multiple cryptococcal brain abscesses, Riccio TJ; Hesselink JR, AJNR 1989; **10:** S65

intracranial cryptococcosis in immunocompromised patients: CT and MR findings in 29 cases, Tien RD; Chu PK; Hesselink JR; et al, AJNR 1991; **12:** 283

intracranial cryptococcosis in immunocompromised patients: CT and MR findings in 29 cases, Tien RD; Chu PK; Hesselink JR; et al, AJR 1991; **156:** 1245

pleural cryptococcosis, Conces DJ Jr; Vix VA; Tarver RD, J Thorac Imag 1990; **5-2:** 84

Cryptosporidiosis
cryptosporidiosis of the biliary tract in AIDS, Teixidor HS; Godwin TA; Ramirez EA, Radiology 1991; **180:** 51

Cushing syndrome
adrenal cortical adenoma causing Cushing's syndrome: correct localization by functional scintigraphy despite nonlocalizing morphological imaging studies, Geatti O; Fig L; Shapiro B, Clin Nucl Med 1990; **15:** 168

body fat distribution measured with CT: correlations in healthy subjects, patients with anorexia nervosa, and patients with Cushing syndrome, Mayo-Smith W; Hayes CW; Biller BMK; Klibanski A; Rosenthal H; Rosenthal DI, Radiology 1989; **170:** 515

contribution of MRI to the diagnosis of ACTH-secreting pituitary adenomas: exploration of 9 patients with Cushing's disease, Carsin M; Carsin-Nicol B; Rolland Y; et al, J Neuroradiol 1990; **17:** 255

Cushing syndrome due to primary pigmented nodular adrenocortical disease: findings at CT and MR imaging, Doppman JL; Travis WD; Nieman LK; Miller DL; Chrousos GP; Gomez MT; Cutler GB Jr; Loriaux DL; Norton JA, Radiology 1989; **172:** 415

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

forniceal rupture secondary to ureterocele and increased urine flow, Moore NR; Pfleiderer AG, Urol Radiol 1989; **11:** 106

intravertebral fat measurement with quantitative CT in patients with Cushing disease and anorexia nervosa, Mayo-Smith W; Rosenthal DI; Goodsitt MM; Klibanski A, Radiology 1989; **170:** 835

petrosal sinus sampling: discordant lateralization of ACTH-secreting pituitary microadenomas before and after stimulation with corticotropin-releasing hormone, Miller DL; Doppman JL; Nieman LK; Cutler GB Jr; Chrousos G; Loriaux DL; Oldfield EH, Radiology 1990; **176:** 429

petrosal sinus sampling: technique and rationale, Miller DL; Doppman JL, Radiology 1991; **178:** 37

primary adrenal causes of Cushing's syndrome: diagnosis and surgical management, (ab), Perry RR; Nieman LK; Cutler GB Jr; et al, Radiology 1990; **175:** 296

Cyst, percutaneous drainage
Echinococcus granulosus cysts in the liver: management with percutaneous drainage, Khuroo MS; Zargar SA; Mahajan R, Radiology 1991; **180:** 141

percutaneous drainage of infected and noninfected pancreatic pseudocysts: experience in 101 cases, vanSonnenberg E; Wittich GR; Casola G; Brannigan TC; Karnel F; Stabile BE; Varney RR; Christensen RR, Radiology 1989; **170:** 757

percutaneous treatment (including pseudocystogastrostomy) of 74 pancreatic pseudocysts, Grosso M; Gandini G; Cassinis MC; Regge D; Righi D; Rossi P, Radiology 1989; **173:** 493

Cysticercosis
See also Parasites

cerebral cysticercosis: documentation of natural history with CT, Kramer LD; Locke GE; Byrd SE; Daryabagi J, Radiology 1989; **171:** 459

CT features of *Cellulosae* and *Racemosus* neurocysticercosis, Rodacki MA; Detoni XA; Teixeira WR; et al, JCAT 1989; **13:** 1013

cysticercosis mimicking brain neoplasms: MR and CT appearance, Michael AS; Levy JM; Paige ML, JCAT 1990; **14:** 708

extramedullary spinal cysticercosis, Palasis S; Drevelengas A, Eur J Radiol 1991; **12:** 216

high-signal intraventricular cysticercosis on T1-weighted MR imaging, Spickler EM; Lufkin RB; Teresi L; et al, AJNR 1989; **10:** S64

histological description of tomographic images of *Taenia solium* cysticerci in pig brains, De Aluja AS; González D; Carbajal JR; et al, Clin Imag 1989; **13:** 292

intraparenchymal cerebral cysticercosis in children, (ab), Mitchell WG; Crawford TO, Radiology 1989; **170:** 590

MR imaging in cysticercotic encephalitis, Del Brutto OH; Zenteno MA; Salgado P; et al, AJNR 1989; **10:** S18

MR imaging in neurocysticercosis: a study of 56 cases, Martinez HR; Rangel-Guerra R; Elizondo G; et al, AJNR 1989; **10:** 1011

MR imaging of neurocysticercosis, Teitelbaum GP; Otto RJ; Lin M; et al, AJNR 1989; **10:** 709

new plain film finding in cysticercosis, Ruiz ME; Haughton VM, Neuroradiol 1991; **33:** 79

role of contrast-enhanced MR imaging in the diagnosis of neurocysticercosis, Chang KH; Lee JH; Han MH; et al, AJNR 1991; **12:** 509

role of contrast-enhanced MR imaging in the diagnosis of neurocysticercosis, Chang KH; Lee JH; Han MH; et al, AJR 1991; **157:** 393

unusual MR manifestations of neurocysticercosis, Suh DC; Chang KH; Han MH; et al, Neuroradiol 1989; **31:** 396

Cystic fibrosis
See Fibrosis, cystic

Cystitis
case of cystitis glandularis with associated pelvic lipomatosis: ultrasound evaluation, Duffis AW; Weinberg B; Diakoumakis EE, JCU 1990; **18:** 733

case report: the sonographic appearance of cyclophosphamide-induced acute haemorrhagic cystitis, Kumar A; Aggarwal S, Clin Radiol 1990; **41:** 289

eosinophilic cystitis and coexistent eosinophilic gastroenteritis in an infant, Peterson NE; Silverman A; Campbell JB, Pediatr Radiol 1989; **19:** 484

interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; **178:** 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jequier S; Paltiel H; Lafortune M, Radiology 1991; **178:** 889

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

sonography of *Candida albicans* cystitis, Gooding GAW, J Ultrasound Med 1989; **8:** 121

ultrasound findings in diffuse granulomatous cystitis in chronic granulomatous disease of childhood, Speirs RT; Raghavendra BN; Rausen A; et al, Urol Radiol 1990; **12:** 106

ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; **175:** 349

Cystourethrography
See Bladder, radiography

D

Dacryocystography
See Lacrimal gland and duct, radiography

Dandy-Walker syndrome
See Brain, abnormalities

Deafness
computed tomography of earpits-deafness syndrome, Ng YY; Bellman S; Phelps PD, Br J Radiol 1989; **62:** 947

cortical activation in profoundly deaf patients during cochlear implant stimulation demonstrated by $H_2{}^{15}O$ PET, Herzog H; Lamprecht A; Kühn A; et al, JCAT 1991; **15:** 369

sensorineural hearing loss in sickle cell crisis, (ab), Elwany S; Kamel T, Radiology 1989; **170:** 591

X-linked deafness, stapes gushers and a distinctive defect of the inner ear, Phelps PD; Reardon W; Pembrey M; et al, Neuroradiol 1991; **33:** 326

Decision theory
dynamic probabilistic model for determination of optimal timing of surveillance chest radiography in pediatric Hodgkin disease, Chang PJ; Parker BR; Donaldson SS; Thompson EI, Radiology 1989; **173:** 71

medical decision making: practical points for practicing radiologists, Phillips WC Jr; Scott JA, AJR 1990; **154:** 1149

time and disease: the fourth dimension of radiology, Dwyer AJ, Radiology 1989; **173:** 17

Decompression
See Diving

Defecography
abdominal-gastrointestinal radiology. RSNA '89 meeting notes, Balfe DM; Koehler RE; Lichtenstein JE, Radiology 1990; **174:** 602

anorectal function: defecographic measurement in asymptomatic subjects, Goei R; van Engelshoven J; Schouten H; Baeten C; Stassen C, Radiology 1989; **173:** 137

anorectal function in patients with defecation disorders and asymptomatic subjects: evaluation with defecography, Goei R, Radiology 1990; **174:** 121

defaecography commode with ruler mounted on the side: reference point for measurements of perineal descent, Nielsen MB, Br J Radiol 1991; **64:** 160

defecography in normal volunteers: results and implications, (ab), Shorvon PJ; McHugh S; Diamant NE; et al, Radiology 1990; **175:** 882

evacuation proctography in normal volunteers, Freimanis MG; Wald A; Caruana B; et al, Invest Radiol 1991; **26:** 581

normal anorectum: dynamic MR imaging anatomy, Kruyt RH; Delemarre JBVM; Doornbos J; Vogel HJ, Radiology 1991; **179:** 159

radiation dose in defecography, Goei R; Kemerink G, Radiology 1990; **176:** 137

rectal intussusception and rectal prolapse: detection and postoperative evaluation with defecography, Goei R; Baeten C, Radiology 1990; **174:** 124

technical report: evacuating proctography—a simplified technique, Poon FW; Lauder JC; Finlay IG, Clin Radiol 1991; **44:** 113

technical report: evacuation proctography (defecography) a new seat and method of examination, Ginai AZ, Clin Radiol 1990; **42:** 214

Deglutition disorders

altered swallowing function in elderly patients without dysphagia: radiologic findings in 56 cases, Ekberg O; Feinberg MJ, AJR 1991; **156:** 1181

deglutition after near-fatal choking episode: radiologic evaluation, Feinberg MJ; Ekberg O, Radiology 1990; **176:** 637

design of a lightweight mobile chair for use with video fluoroscopy in the investigation of swallow disorders, Cameron DC; Guy D, Australas Radiol 1990; **34:** 274

dysphagia after fast neutron therapy to the head and neck, Alexander MSM; Edelman GM; Man K; et al, Br J Radiol 1989; **62:** 724

dysphagia due to mediastinal fibrosis in advanced pulmonary tuberculosis, Ramakantan R; Shah P, AJR 1990; **154:** 61

effect of high- vs low-density barium preparations on the quantitative features of swallowing, Dantas RO; Dodds WJ; Massey BT; et al, AJR 1989; **153:** 1191

evaluation of the esophagus with a marshmallow bolus: clarifying the cause of dysphagia, Ott DJ; Kelley TF; Chen MYM; et al, Gastrointest Radiol 1991; **16:** 1

giant mid-oesophageal diverticulum: a rare cause of dysphagia, Etherington RJ; Clements D, Br J Radiol 1990; **63:** 221

giant thoracic osteophyte causing esophageal food impaction, Underberg-Davis S; Levine MS, AJR 1991; **157:** 319

occult lung carcinoma presenting with dysphagia: the value of computed tomography, Heater K; MacMahon H; Vyborny CJ, Clin Imag 1989; **13:** 122

oropharynx in patients with cerebrovascular disease: evaluation with videofluoroscopy, Chen MYM; Ott DJ; Peele VN; Gelfand DW, Radiology 1990; **176:** 641

radiologic investigation of dysphagia, Levine MS; Rubesin SE, AJR 1990; **154:** 1157

tipper and dipper types of oral swallows, Dodds WJ; Taylor AJ; Stewart ET; et al, AJR 1989; **153:** 1197

topographic representation of the pharyngoesophageal segment during swallowing, Karstoft J; Ekberg O; Rubesin SE, Invest Radiol 1990; **25:** 184

videofluoroscopy in elderly patients with aspiration: importance of evaluating both oral and pharyngeal stages of deglutition, Feinberg MJ; Ekberg O, AJR 1991; **156:** 293

Dementia

AIDS dementia complex: brain high-energy phosphate metabolite deficits, Bottomley PA; Hardy CJ; Cousins JP; Armstrong M; Wagle WA, Radiology 1990; **176:** 407

Alzheimer disease, (ab), George AE; Holman BL, Radiology 1990; **177:** 295

Alzheimer disease: measuring loss of cerebral gray matter with MR imaging, Rusinek H; de Leon MJ; George AE; Stylopoulos LA; Chandra R; Smith G; Rand T; Mourino MR; Kowalski H, Radiology 1991; **178:** 109

Alzheimer disease: quantitative analysis of I-123-iodoamphetamine SPECT brain imaging, Hellman RS; Tikofsky RS; Collier BD; Hoffmann RG; Palmer DW; Glatt SL; Antuono PG; Isitman AT; Papke RA, Radiology 1989; **172:** 183

Alzheimer's disease: age at onset and single-photon emission computed tomographic patterns of regional cerebral blood flow, (ab), Jagust WJ; Reed BR; Seab JP; et al, Radiology 1991; **178:** 900

Alzheimer's disease in Down's syndrome with SPECT, Rae-Grant AD; Barbour PJ; Sirotta P; et al, Clin Nucl Med 1991; **16:** 509

Alzheimer's disease: longitudinal CT studies of ventricular change, de Leon MJ; George AE; Reisberg B; et al, AJNR 1989; **10:** 371

analysis of brain and cerebrospinal fluid volumes with MR imaging: impact on PET data correction for atrophy: part II. aging and Alzheimer dementia, Tanna NK; Kohn MI; Horwich DN; Jolles PR; Zimmerman RA; Alves WM; Alavi A, Radiology 1991; **178:** 123

brain and cerebrospinal fluid volume: measurement with MR imaging, Jack CR Jr, Radiology 1991; **178:** 22

brain imaging in acquired immunodeficiency syndrome dementia complex, Kramer EL; Sanger JJ, Semin Nucl Med 1990; **20:** 353

case report 544, Baran GA; Vas WG; Sundaram M; et al, Skeletal Radiol 1989; **18:** 459

coexistence of Alzheimer's disease and multi-infarct dementia diagnosed by functional brain imaging with SPECT, Timmons JH; Heironimus JD, Clin Nucl Med 1990; **15:** 266

comparison of CT, MR, and PET in Alzheimer's dementia and normal aging, Fazekas F; Alavi A; Chawluk JB; et al, J Nucl Med 1989; **30:** 1607

correlation of phosphorus-31 magnetic resonance spectroscopy and morphologic findings in Alzheimer's disease, (ab), Pettegrew JW; Panchalingam K; Moossy J; et al, Radiology 1989; **171:** 886

CT diagnostic features of Alzheimer disease: importance of the choroidal/hippocampal fissure complex, George AE; de Leon MJ; Stylopoulos LA; et al, AJNR 1990; **11:** 101

decreased cerebral glucose metabolism associated with mental deterioration in multi-infarct dementia, Meguro K; Doi C; Ueda M; et al, Neuroradiol 1991; **33:** 305

effect of acetazolamide on regional cerebral blood flow in patients with Alzheimer's disease or stroke as measured by single-photon emission computed tomography, Bonte FJ; Devous MD Sr; Reisch JS; et al, Invest Radiol 1989; **24:** 99

functional brain imaging in the evaluation of psychiatric illness, Van Heertum RL; O'Connell RA, Semin Nucl Med 1991; **21:** 24

HMPAO-SPECT imaging resembling Alzheimer-type dementia in mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes (MELAS), Grünwald F; Zierz S; Broich K; et al, J Nucl Med 1990; **31:** 1740

iofetamine I 123 single photon emission computed tomography is accurate in the diagnosis of Alzheimer's disease, (ab), Johnson KA; Holman BL; Rosen TJ; et al, Radiology 1990; **177:** 295

measurement of caudate nucleus area—a more accurate measurement for Huntington's disease?, Wardlaw JM; Sellar RJ; Abernethy LJ, Neuroradiol 1991; **33:** 316

membranous lipodystrophy: MR imaging appearance of the brain, Araki T; Ohba H; Monzawa S; Sakuyama K; Hachiya J; Seki T; Takahashi Y; Yamaguchi M, Radiology 1991; **180:** 793

MR imaging–based volume measurements of the hippocampal formation and anterior temporal lobe: validation studies, Jack CR Jr; Bentley MD; Twomey CK; Zinsmeister AR, Radiology 1990; **176:** 205

MR signal abnormalities in memory disorder and dementia, Bowen BC; Barker WW; Loewenstein DA; et al, AJNR 1990; **11:** 283

MR signal abnormalities in memory disorder and dementia, Bowen BC; Barker WW; Loewenstein DA; et al, AJR 1990; **154:** 1285

PET, CT, and MRI in the evaluation of neuropsychiatric disorders: current applications, Jolles PR; Chapman PR; Alavi A, J Nucl Med 1989; **30:** 1589

potential value of serial cerebral SPECT scanning in the evaluation of psychiatric illness, Notardonato H; Gonzalez-Avilez A; Van Heertum RL; et al, Clin Nucl Med 1989; **14:** 319

quantitative iodine-123 IMP imaging of brain perfusion in schizophrenia, Cohen MB; Lake RR; Graham LS; et al, J Nucl Med 1989; **30:** 1616

regional cerebral blood flow study with ^{123}I-IMP in patients with degenerative dementia, Ohnishi T; Hoshi H; Nagamachi S; et al, AJNR 1991; **12:** 513

relationship between enlargement of the temporal horns of the lateral ventricles and dementia in aging patients with Down syndrome, LeMay M; Alvarez N, Neuroradiol 1990; **32:** 104

reversal of brain metabolic abnormalities following treatment of AIDS dementia complex with 3′-azido-2′,3′-dideoxythymidine (AZT, zidovudine): a PET-FDG study, Brunetti A; Berg G; Di Chiro G; et al, J Nucl Med 1989; **30:** 581

senile dementia and healthy aging: a longitudinal CT study, Wippold FJ II; Gado MH; Morris JC; Duchek JM; Grant EA, Radiology 1991; **179:** 215

single photon tomography in Alzheimer's disease and the dementias, Bonte FJ; Hom J; Tintner R; et al, Semin Nucl Med 1990; **20:** 342

temporal lobe atrophy in patients with Alzheimer disease: a CT study, Kido DK; Caine ED; LeMay M; et al, AJNR 1989; **10:** 551

utility of cerebral blood flow imaging in patients with the unique syndrome of progressive dementia with motor neuron disease, Ohnishi T; Hoshi H; Jinnouchi S; et al, J Nucl Med 1990; **31:** 688

Dermatitis

case report 600, Nelson MC; Stull MA; Lack EE; et al, Skeletal Radiol 1990; **19:** 150

Dermatomyositis

dermatomyositis: correlative MR imaging and P-31 MR spectroscopy for quantitative characterization of inflammatory disease, Park JH; Vansant JP; Kumar NG; Gibbs SJ; Curvin MS; Price RR; Partain CL; James AE Jr, Radiology 1990; **177:** 473

inflammatory myopathies: MR imaging and spectroscopy, Fraser DD; Frank JA; Dalakas MC, Radiology 1991; **179:** 341

inflammatory myopathies: MR imaging and spectroscopy: reply, Park JH; Gibbs SJ; Price RR; Partain CL; James AE Jr, Radiology 1991; **179:** 343

magnetic resonance imaging appearance of the muscles in childhood dermatomyositis, (ab), Hernandez RJ; Keim DR; Sullivan DB; et al, Radiology 1991; **180:** 296

milk of calcium fluid collection in dermatomyositis: ultrasound findings, Hesla RB; Karlson LK; McCauley RGK, Pediatr Radiol 1990; **20:** 344

nasopharyngeal carcinoma with dermatomyositis, Teo P; Tai TH; Choy D, Int J Radiat Oncol Biol Phys 1989; **16:** 471

Dermoid

characteristic fat-fluid level at ultrasonography of ovarian dermoid cyst, Øwre A; Pedersen JF, Acta Radiol 1991; **32:** 317

chemical shift artifact: dependence on shape and orientation of the lipid-water interface, Smith RC; Lange RC; McCarthy SM, Radiology 1991; **181:** 225

CT and MRI of ruptured intracranial dermoids, Wilms G; Casselman J; Demaerel P; et al, Neuroradiol 1991; **33:** 149

dense dermoid cyst of the posterior fossa, Drolshagen LF; Standefer M, AJNR 1991; **12:** 317

diagnosis of ruptured intracranial dermoid cyst: value of MR over CT, Smith AS; Benson JE; Blaser SI; et al, AJNR 1991; **12:** 175

diagnosis of ruptured intracranial dermoid cyst: value of MR over CT, Smith AS; Benson JE; Blaser SI; et al, AJR 1991; **156:** 807

fat-fluid level in pleural effusion as a complication of a mediastinal dermoid: CT characteristics, Yeoman LJ; Dalton HR; Adam EJ, JCAT 1990; **14:** 307

intracerebral extension of nasal dermoid cyst: CT appearance, Uglietta JP; Boyko OB; Rippe DJ; et al, JCAT 1989; **13:** 1061

prevalence of simple adnexal cysts in postmenopausal women, Wolf SI; Gosink BB; Feldesman MR; Lin MC; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 65

simultaneous occurrence of epidermoid and dermoid cysts in the posterior fossa: CT and MR findings, Wilms G; Plets C; Marchal G; et al, AJNR 1990; **11:** 1257

subgaleal dermoid cyst of the anterior fontanelle: diagnosis with sonography, Stannard MW; Currarino G, AJNR 1990; **11:** 349

Desmoid

abdominal desmoids: CT findings in 25 patients, Einstein DM; Tagliabue JR; Desai RK, AJR 1991; **157:** 275

case report 683, Sklar DH; Phillips JJ; Lachman RS, Skeletal Radiol 1991; **20:** 394

desmoid tumors: a 20-year radiotherapy experience, Sherman NE; Romsdahl M; Evans H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 37

desmoplastic fibroma of bone: radiographic analysis, Crim JR; Gold RH; Mirra JM; Eckardt JJ; Bassett LW, Radiology 1989; **172:** 827

fibromatoses: from postsurgical surveillance to combined surgery and radiation therapy, Miralbell R; Suit HD; Mankin HJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 535

imaging of intra- and extraabdominal desmoid tumors, Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G, Radiographics 1991; **11:** 959

magnetic resonance appearance of fibromatosis: a report of 14 cases and review of the literature, Kransdorf MJ; Jelinek JS; Moser RP Jr; et al, Skeletal Radiol 1990; **19:** 495

magnetic resonance imaging in aggressive fibromatosis, O'Keeffe FN; Kim EE; Wallace S, Clin Radiol 1990; **42:** 170

mesenteric desmoid of the appendix—a case report, Furie DM; Patel U; Khan A; et al, Comput Med Imag Graph 1991; **15:** 117

residents' corner: answer to case of the month #5, Janzen DL, J Canad Assoc Radiol 1991; **42:** 64

scintigraphic evaluation of aggressive fibromatosis, Ohta H; Endo K; Konishi J; et al, J Nucl Med 1990; **31:** 1632

sonography of abdominal desmoid tumors in adolescents, Mantello MT; Haller JO; Marquis JR, J Ultrasound Med 1989; **8:** 467

Devil's Advocate

additional comment: dynamic hepatic CT, Berland LL, Radiology 1991; **181:** 22

balloon dilation of the prostate: effective treatment or dilatory tactic?, Pollack HM, Radiology 1991; **178:** 331

compression US in isolated calf venous thrombosis, Mussurakis S, Radiology 1991; **181:** 351

compression US in isolated calf venous thrombosis: reply, Yucel EK; Waltman AC, Radiology 1991; **181:** 352

controlled trials of radiologic contrast media: issues in quality assessment and synthesis, Powe NR; Kinnison ML; Steinberg EP, Radiology 1991; **179:** 22

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Umlas S-L; Cronan JJ, Radiology 1991; **180:** 310

devil in Dr Pollack: defending our souls, Wasserman NF, Radiology 1991; **178:** 333

dynamic hepatic CT: Drs Cox and Foley reply, Cox IH; Foley WD, Radiology 1991; **181:** 23

dynamic hepatic CT: Dr. Walkey replies, Walkey MM, Radiology 1991; **181:** 21

dynamic hepatic CT: how many years will it take 'til we learn?, Walkey MM, Radiology 1991; **181:** 17

extracorporeal shock wave lithotripsy of gallbladder stones: a pessimistic view, Maglinte DDT; Graffis R; Jordan L; Chua GT; Johnson AC Jr; Crossin J, Radiology 1991; **178:** 29

gallstone lithotripsy: is there still cause for optimism?, Zeman RK; Al-Kawas F; Benjamin SB, Radiology 1991; **178:** 33

immediate postoperative mammogram for failed surgical excision of breast lesions, Hall FM, Radiology 1991; **180:** 19

immediate postoperative mammogram for failed surgical excision of breast lesions: reply, Stein MA; Karlan MS, Radiology 1991; **180:** 20

inflammatory myopathies: MR imaging and spectroscopy, Fraser DD; Frank JA; Dalakas MC, Radiology 1991; **179:** 341

inflammatory myopathies: MR imaging and spectroscopy: reply, Park JH; Gibbs SJ; Price RR; Partain CL; James AE Jr, Radiology 1991; **179:** 343

intervertebral disk: normal age-related changes in MR signal intensity, Modic MT; Herfkens RJ, Radiology 1990; **177:** 332

intervertebral disk: normal age-related changes in MR signal intensity: reply, Haughton VM, Radiology 1990; **177:** 333

miscellaneous adverse effects of low- versus high-osmolality contrast media: a study revised, Brismar J; Jacobsson BF; Jorulf H, Radiology 1991; **179:** 19

optimizing MR imaging of the abdomen: the case for rapid-acquisition spin-echo MR imaging, Mirowitz SA; Lee JKT, Radiology 1991; **179:** 612

rapid-acquisition spin-echo MR imaging of the liver: a critical view, Mitchell DG, Radiology 1991; **179:** 609

right window for dynamic hepatic CT, Cox IH; Foley WD; Hoffman RG, Radiology 1991; **181:** 18

role of CT in characterizing gallstones: an unsettled issue, Baron RL, Radiology 1991; **178:** 635

use of CT for predicting gallstone composition: a dissenting view, Brink JA; Ferrucci JT, Radiology 1991; **178:** 633

Diabetes insipidus

magnetic resonance imaging in familial central diabetes insipidus, Miyamoto S; Sasaki N; Tanabe Y, Neuroradiol 1991; **33:** 272

MR imaging of the brain in patients with diabetes insipidus, Tien RD; Kucharczyk J; Kucharczyk W, AJNR 1991; **12:** 533

MR imaging of the brain in patients with diabetes insipidus, Tien RD; Kucharczyk J; Kucharczyk W, AJR 1991; **157:** 123

MR of diabetes insipidus in a patient with Erdheim-Chester disease: case report, Tien RD; Kucharczyk J; Newton TH; et al, AJNR 1990; **11:** 1267

thickened pituitary stalk on MR images in patients with diabetes insipidus and Langerhans cell histiocytosis, Tien RD; Newton TH; McDermott MW; et al, AJNR 1990; **11:** 703

Diabetes mellitus

acute and chronic renal effects of radiocontrast in diabetic rats: role of anesthesia and risk factors, Vaamonde CA; Bier RT; Papendick R; et al, Invest Radiol 1989; **24:** 206

diabetic female with altered neurological status, McGhee RB Jr; Mathews V; Carter BC, Invest Radiol 1990; **25:** 82

five-year results of iliac and femoropopliteal angioplasty in diabetic patients, Stokes KR; Strunk HM; Campbell DR; Gibbons GW; Wheeler HG; Clouse ME, Radiology 1990; **174:** 977

growth of fetuses of diabetic mothers, Todros T; Meriggi E; Catella G; et al, JCU 1989; **17:** 333

pancreatic transplant rejection: assessment with duplex US, Patel B; Wolverson MK; Mahanta B, Radiology 1989; **173:** 131

proliferative retinopathy: absence of white matter lesions at MR imaging, Yousem DM; Tasman WS; Grossman RI, Radiology 1991; **179:** 229

Diabetes mellitus, complications

calcaneal insufficiency avulsion fractures in patients with diabetes mellitus, Kathol MH; El-Khoury GY; Moore TE; Marsh JL, Radiology 1991; **180:** 725

combined leukocyte and bone imaging used to evaluate diabetic osteoarthropathy and osteomyelitis, Splittgerber GF; Spiegelhoff DR; Buggy BP, Clin Nucl Med 1989; **14:** 156

computed tomography as a diagnostic aid in diabetic and other problem feet, Williamson BRJ; Teates CD; Phillips CD; et al, Clin Imag 1989; **13:** 159

computed tomography in malignant external otitis, Guy RL; Wylie E; Hickey SA; et al, Clin Radiol 1991; **43:** 166

detection of fetal structural malformations by ultrasound in insulin-dependent pregnant women, Pijlman BM; de Koning WB; Wladimiroff JW; et al, Ultrasound Med Biol 1989; **15:** 541

diabetic female with altered neurological status, McGhee RB Jr; Mathews V; Carter BC, Invest Radiol 1990; **25:** 82

diabetic fibrous breast disease, Logan WW; Hoffman NY, Radiology 1989; **172:** 667

diabetic foot: magnetic resonance imaging evaluation, Beltran J; Campanini SD; Knight CT; et al, Skeletal Radiol 1990; **19:** 37

diabetic nephropathy: an update, (ab), Reddi AS; Camerini-Davalos RA, Radiology 1990; **176:** 295

diagnosis of osteomyelitis of the foot in diabetic patients: value of ^{111}In-leukocyte scintigraphy, Larcos G; Brown ML; Sutton RT, AJR 1991; **157:** 527

diagnosis of pedal osteomyelitis in diabetic patients using current scintigraphic techniques, (ab), Keenan AM; Tindel NL; Alavi A, Radiology 1990; **175:** 888

efficacy of the dorsal pedal bypass for limb salvage in diabetic patients: short-term observations, (ab), Pomposelli FB Jr; Jepsen SJ; Gibbons GW; et al, Radiology 1990; **177:** 894

esophageal motor function evaluated by scintigraphy, video-radiography and manometry in diabetic patients, Sundkvist G; Hillarp B; Lilja B; et al, Acta Radiol 1989; **30:** 17

fibrous mastopathy in insulin dependent diabetics, Garstin WIH; Kaufman Z; Michell MJ; et al, Clin Radiol 1991; **44:** 89

Freiberg's disease in diabetes mellitus, Nguyen VD; Keh RA; Daehler RW, Skeletal Radiol 1991; **20:** 425

gallbladder emptying in diabetic patients and control subjects assessed by real-time ultrasonography and cholescintigraphy: a methodological comparison, Krönert K; Götz V; Reuland P; et al, Ultrasound Med Biol 1989; **15:** 535

in utero growth of the large-for-menstrual-age fetus, Miller JM Jr; Kissling GE; Brown HL; et al, JCU 1989; **17:** 15

nephrotoxicity of contrast media in patients with diabetes mellitus: a comparative urographic and angiographic study with iohexol and metrizoate, Billström A; Hietala S-O; Lithner F; et al, Acta Radiol 1989; **30:** 509

osteomyelitis of the foot in diabetic patients: evaluation with plain film, ^{99m}Tc-MDP bone scintigraphy, and MR imaging, Yuh WTC; Corson JD; Baraniewski HM; et al, AJR 1989; **152:** 795

perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR, Radiology 1990; **175:** 103

proliferative retinopathy: absence of white matter lesions at MR imaging, Yousem DM; Tasman WS; Grossman RI, Radiology 1991; **179:** 229

rapidly progressive Charcot arthropathy following minor joint trauma in patients with diabetic neuropathy, (ab), Slowman-Kovacs SD; Braunstein EM; Brandt KD, Radiology 1990; **176:** 885

ultrasonographic estimation of fetal body composition for children of diabetic mothers, Berstein IM; Catalano PM, Invest Radiol 1991; **26:** 722

Diagnostic radiology

See also Radiography; Radiology and radiologists

average radiation exposure values for three diagnostic radiographic examinations, Rueter FG; Conway BJ; McCrohan JL; Suleiman OH, Radiology 1990; **177:** 341

Bayesian analysis revisited: a radiologist's survival guide, Chang PJ, AJR 1989; **152:** 721

commentary on the development of diagnostic imaging technology, Angus WM, Radiographics 1989; **9:** 1225

definition of terms used to judge the efficacy of diagnostic tests: a graphic approach, Brismar J; Jacobsson B, AJR 1990; **155:** 621

diagnostic radiology around the world, Mettler FA; Haygood TM; Meholic AJ, Radiology 1990; **175:** 577

economic impact of technology on diagnostic imaging at a university medical center, Evens RG, AJR 1989; **153:** 179

effect of verification on the assessment of imaging techniques, Revesz G; Kundel HL; Bonitatibus M, Invest Radiol 1990; **25:** 461

is earlier diagnosis really better? the misleading effects of lead time and length biases, Black WC; Ling A, AJR 1990; **155:** 625

pitfalls in the use of diagnostic tests, Rosenquist CJ, Clin Radiol 1989; **40:** 448

research in departments of diagnostic radiology: a question of method limitation, Northway WH Jr, Radiology 1989; **171:** 873

status of clinical MR evaluations 1985–1988: baseline and design for further assessments, Beam CA; Sostman HD; Zheng J-Y, Radiology 1991; **180:** 265

tutorial on confidence intervals for proportions in diagnostic radiology, Berry CC, AJR 1990; **154:** 477

volume and cost of radiologic services in the United State in 1990, Sunshine JH; Mabry MR; Bansal S, AJR 1991; **157:** 609

Diagnostic radiology, observer performance

assessment of congestive heart failure in chest radiographs: observer performance with two common film-screen systems, Henriksson L; Sundin A; Smedby O; et al, Acta Radiol 1990; **31:** 469

chest radiography: a tool for the audit of report quality, Haug PJ; Clayton PD; Tocino I; Morrison JW; Elliot CG; Collins DV; Harada SK; Frederick PR, Radiology 1991; **180:** 271

chest radiography: comparison of high-resolution digital displays with conventional and digital film, Cox GG; Cook LT; McMillan JH; Rosenthal SJ; Dwyer SJ III, Radiology 1990; **176:** 771

clinical history, radiographic reporting, and defensive radiologic practice, Hall FM, Radiology 1989; **170:** 575

comparing imaging systems by ROC studies: detection versus interpretation, Good WF; Gur D; Straub WH; et al, Invest Radiol 1989; **24:** 932

comparison of scanning equalization and conventional chest radiography, Wandtke JC; Plewes DB, Radiology 1989; **172:** 641

computer-displayed eye position as a visual aid to pulmonary nodule interpretation, Kundel HL; Nodine CF; Krupinski EA, Invest Radiol 1990; **25:** 890

correlation with detection of solitary pulmonary nodules, Bass JC; Chiles C, Invest Radiol 1990; **25:** 994

craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 669

craniosynostosis: image quality, confidence, and correctness in diagnosis, Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 675

detection of breast abnormalities on teleradiology transmitted mammograms, Fajardo LL; Yoshino MT; Seeley GW; et al, Invest Radiol 1990; **25:** 1111

diagnosis with CT at an electronic workstation, Foley WD, Radiology 1991; **178:** 631

diagnostic radiology peer review: a method inclusive of all interpreters of radiographic examinations regardless of specialty, Hopper KD; Rosetti GF; Edmiston RB; Madewell JE; Beam LM; Landis JR; Miller KL; Ricci JA; McCauslin MA, Radiology 1991; **180:** 557

digital chest radiography with a large image intensifier: evaluation of diagnostic performance and patient exposure, Månsson LG; Kheddache S; Schlossman D; et al, Acta Radiol 1989; **30:** 337

digital imaging with a photostimulable phosphor in the chest of newborns, Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B, Radiology 1991; **181:** 829

display of CT studies on a two-screen electronic workstation versus a film panel alternator: sensitivity and efficiency among radiologists, Foley WD; Jacobson DR; Taylor AJ; Goodman LR; Stewart ET; Gurney JW; Stroka D, Radiology 1990; **174:** 769

does knowledge of the clinical history affect the accuracy of chest radiograph interpretation?, Good BC; Cooperstein LA; DeMarino GB; et al, AJR 1990; **154:** 709

double-contrast barium enema studies: effect of multiple reading on perception error, Markus JB; Somers S; O'Malley BP; Stevenson GW, Radiology 1990; **175:** 155

effect of clinical history on chest radiograph interpretations in a PACS environment, Cooperstein LA; Good BC; Eelkema EA; et al, Invest Radiol 1990; **25:** 670

effect of image processing on chest radiograph interpretations in a PACS environment, Rosenthal MS; Good WF; Costa-Greco MA; et al, Invest Radiol 1990; **25:** 897

effect of observer instruction on ROC study of chest images, Gur D; Rockette HE; Good WF; et al, Invest Radiol 1990; **25:** 230

free-response methodology: alternate analysis and a new observer-performance experiment, Chakraborty DP; Winter LHL, Radiology 1990; **174:** 873

impact of clinical history on fracture detection with radiography, Miller WT, Radiology 1989; **170:** 576

interobserver and intraobserver variations in sonographic renal length measurements in children, Schlesinger AE; Hernandez RJ; Zerin JM; et al, AJR 1991; **156:** 1029

interobserver variability in the interpretation of contrast venography, technetium-99m red blood cell venography and impedance plethysmography for deep vein thrombosis, Illescas FF; Leclerc J; Rosenthall L; et al, J Canad Assoc Radiol 1990; **41:** 264

interobserver variation in the interpretation of abdominal radiographs, Markus JB; Somers S; Franic SE; Moola C; Stevenson GW, Radiology 1989; **171:** 69

interstitial lung disease: impact of postprocessing in digital storage phosphor imaging, Schaefer CM; Greene RE; Llewellyn HJ; Mrose HE; Pile-Spellman EA; Rubens JR; Lindemann SR, Radiology 1991; **178:** 733

intraobserver variation in the radiological measurement of the anorectal angle, Penninckx F; Debruyne C; Lestar B; et al, Gastrointest Radiol 1991; **16:** 73

intraoperative arteriography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Pond GD; Seeley GW; Ovitt TW; Chernin MM; Yoshino MT; Roehrig H; McIntyre KE, Radiology 1989; **170:** 367

measuring observer performance by ROC analysis: indications and complications, Berbaum KS; Dorfman DD; Franken EA Jr, Invest Radiol 1989; **24:** 228

nondisplaced fractures: spatial resolution requirements for detection with digital skeletal imaging, Murphey MD; Bramble JM; Cook LT; Martin NL; Dwyer SJ III, Radiology 1990; **174:** 865

"nonspecific gas pattern", Bohrer SP, Radiology 1989; **173:** 283

observer variation in detecting the radiologic features associated with bronchiolitis, Coblentz CL; Babcook CJ; Alton D; et al, Invest Radiol 1991; **26:** 115

professional mammographic quality assessment program for a community hospital, Reinig JW; Strait CJ, Radiology 1991; **180:** 393

professional quality assurance for mammography screening programs, Murphy WA Jr; Destouet JM; Monsees BS, Radiology 1990; **175:** 319

professional quality assurance for mammography screening programs, Bird RE, Radiology 1990; **177:** 587

quality assessment in an ambulatory care unit: do training and responsibility conflict?, Stewart NR; Mann FA; Terrell CB; Murphy WA Jr, Radiology 1991; **181:** 857

reducing lens—an important but underused tool, Stark P; Harle T, Invest Radiol 1989; **24:** 721

reproducibility of the Pettersson scoring system: an interobserver study, Erlemann R; Rosenthal H; Walthers EM; et al, Acta Radiol 1989; **30:** 147

resident interpretation of emergency computed tomographic scans, Roszler MH; McCarroll KA; Rashid T; et al, Invest Radiol 1991; **26:** 374

satisfaction of search in diagnostic radiology, Berbaum KS; Franken EA Jr; Dorfman DD; et al, Invest Radiol 1990; **25:** 133

search and nonsearch protocols for radiographic consultation, Swensson RG; Theodore GH, Radiology 1990; **177:** 851

searching for lung nodules: visual dwell indicates locations of false-positive and false-negative decisions, Kundel HL; Nodine CF; Krupinski EA, Invest Radiol 1989; **24:** 472

understanding complex images: perspectives from visual cognition, Cooper LA, Invest Radiol 1991; **26:** 765

use of lead markers in trauma cases, Morparia HK; Merchant SA, Radiology 1990; **177:** 352

Diagnostic radiology, quality assurance

See Quality assurance

Diagnostic radiology, radiation exposure

dose reduction during fluoroscopic placement of feeding tubes, Rudin S; Bednarek DR; Miller JA, Radiology 1991; **178:** 647

exposure rates in high-level-control fluoroscopy for image enhancement, Cagnon CH; Benedict SH; Mankovich NJ; Bushberg JT; Seibert JA; Whiting JS, Radiology 1991; **178:** 643

some indicative parameters on diagnostic radiology in Spain: first dose estimations, Vañó E; González L; Calzado A; et al, Br J Radiol 1989; **62:** 20

Dialysis

β_2-microglobulin amyloidosis: a systemic amyloid disease affecting primarily synovium and bone in long-term dialysis patients, (ab), Maury CPJ, Radiology 1990; **176:** 887

amyloidosis of the spine in a patient on long-term hemodialysis, Welk LA; Quint DJ, Neuroradiol 1990; **32:** 334

body fluid volume status in hemodialysis patients: the value of the chest radiograph, Don C; Burns KD; Levine DZ, J Canad Assoc Radiol 1990; **41:** 123

bone cysts and haemodialysis-related amyloidosis, Sargent MA; Fleming SJ; Chattopadhyay C; et al, Clin Radiol 1989; **40:** 277

clinical utility of the Tc-99m SC intraperitoneal scan in CAPD patients, Berman C; Velchik MG; Shusterman N; et al, Clin Nucl Med 1989; **14:** 405

color Doppler sonography of hemodialysis vascular access: comparison with angiography, Middleton WD; Picus DD; Marx MV; et al, AJR 1989; **152:** 633

computed tomographic peritoneography in the investigation of abdominal wall and genital swelling in patients on continuous ambulatory peritoneal dialysis, Maxwell AJ; Boggis CRM; Sambrook P, Clin Radiol 1990; **41:** 100

CT peritoneography in peritoneal dialysis patients, Osborne TM, Australas Radiol 1990; **34:** 204

destructive spondyloarthropathy and radiographic follow-up in hemodialysis patients, Orzincolo C; Bedani PL; Scutellari PN; et al, Skeletal Radiol 1990; **19:** 483

factors affecting bone mineral density in elderly men receiving chronic in-center hemodialysis, Eisenberg B; Tzamaloukas AH; Murata GH; et al, Clin Nucl Med 1991; **16:** 30

genital swelling as a surgical complication of continuous ambulatory peritoneal dialysis, (ab), Abraham G; Blake PG; Mathews RE; et al, Radiology 1990; **177:** 292

growing bone cysts in long-term hemodialysis, Gielen JL; van Holsbeeck MT; Hauglustaine D; et al, Skeletal Radiol 1990; **19:** 43

hemodialysis-related amyloidomas of bone, Ross LV; Ross GJ; Mesgarzadeh M; Edmonds PR; Bonakdarpour A, Radiology 1991; **178:** 263

imaging of hemodialysis fistulas: limitations of MR angiography, Gehl H-B; Bohndorf K; Gladziwa U; et al, JCAT 1991; **15:** 271

importance of preoperative evaluation of the subclavian vein in dialysis access planning, Surratt RS; Picus D; Hicks ME; et al, AJR 1991; **156:** 623

indium-111-labeled leukocyte scintigraphy in hemodialysis access-site infection, Palestro CJ; Vega A; Kim CK; et al, J Nucl Med 1990; **31:** 319

insertion of subclavian hemodialysis catheters in difficult cases: value of fluoroscopy and angiographic techniques, Selby JB Jr; Tegtmeyer CJ; Amodeo C; et al, AJR 1989; **152:** 641

intraperitoneal pseudocyst formation as a complication of continuous ambulatory peritoneal dialysis, Namasivayam J, Br J Radiol 1991; **64:** 463

in vivo viability of ^{111}In-labelled granulocytes demonstrated in a sham-dialysis model, Becker W; Schaefer RM; Börner W, Br J Radiol 1989; **62:** 463

joint and systemic distribution of dialysis amyloid, (ab), Athanasou NA; Ayers D; Rainey AJ; et al, Radiology 1991; **181:** 616

local thrombolysis and thromboaspiration in the treatment of acutely thrombosed arteriovenous hemodialysis fistulas, Poulain F; Raynaud A; Bourquelot P; et al, Cardiovasc Intervent Radiol 1991; **14:** 98

long term hemodialysis spondylarthropathy: an atlanto-occipital location, Grignon B; Bracard S; Abadou H; et al, J Neuroradiol 1990; **17:** 60

MR patterns of dialysis arthropathy, Claudon M; Regent D; Gaucher A; et al, JCAT 1990; **14:** 968

natural history of acquired renal cystic disease in dialysis patients: a prospective longitudinal CT study, Levine E; Slusher SL; Grantham JJ; et al, AJR 1991; **156:** 501

neoplasia and acquired renal cystic disease in patients undergoing chronic ambulatory peritoneal dialysis, (ab), Trabucco AF; Johansson SL; Egan JD; et al, Radiology 1990; **176:** 884

pathological fractures in patients who have amyloidosis associated with dialysis, (ab), Campistol JM; Solé M; Muñoz-Gómez J; et al, Radiology 1990; **177:** 294

periarticular tumoral calcinosis and hypercalcemia in a hemodialysis patient without hyperparathyroidism: a case report, Eisenberg B; Tzamaloukas AH; Hartshorne MF; et al, J Nucl Med 1990; **31:** 1099

renal imaging in long-term dialysis patients: a comparison of CT and sonography, Taylor AJ; Cohen EP; Erickson SJ; et al, AJR 1989; **153:** 765

rheumatic syndromes and β_2-microglobulin amyloidosis in patients receiving long-term peritoneal dialysis, (ab), Cornélis F; Bardin T; Faller B; et al, Radiology 1990; **174:** 588

sclerosing encapsulating peritonitis in chronic ambulatory peritoneal dialysis, Holland P, Clin Radiol 1990; **41:** 19

solitary, spontaneous cervical and large bone fractures in aluminum osteodystrophy, Sundaram M; Dessner D; Ballal S, Skeletal Radiol 1991; **20:** 91

ultrasound changes in sclerosing peritonitis following continuous ambulatory peritoneal dialysis, Hollman AS; McMillan MA; Briggs JD; et al, Clin Radiol 1991; **43:** 176

vertebral density distribution pattern: CT classification of patients undergoing maintenance hemodialysis, Ito M; Hayashi K; Ito M, Radiology 1991; **180:** 253

Dialysis, shunts

directional atherectomy in the treatment of stenotic dialysis access fistulas, Zemel G; Katzen BT; Dake MD; Benenati JF; Lempert TE; Moskowitz L, JVIR 1990; **1:** 35

hemodialysis grafts: color Doppler flow imaging correlated with digital subtraction angiography and functional status, Dousset V; Grenier N; Douws C; Senuita P; Sassouste G; Ada L; Potaux L, Radiology 1991; **181:** 89

insufficient hemodialysis access fistulas: late results of treatment with percutaneous balloon angioplasty, Gmelin E; Winterhoff R; Rinast E, Radiology 1989; **171:** 657

pharmacomechanical thrombolysis and angioplasty in the management of clotted hemodialysis grafts: early and late clinical results, Valji K; Bookstein JJ; Roberts AC; Davis GB, Radiology 1991; **178:** 243

self-expanding stents for the treatment of a long venous stenosis in a dialysis shunt: case report, Günther RW; Vorwerk D; Klose KC; et al, Cardiovasc Intervent Radiol 1989; **12:** 29

thrombosed polytetrafluoroethylene hemodialysis fistulas: salvage with combined thrombectomy and angioplasty, Smith TP; Cragg AH; Castaneda F; Hunter DW, Radiology 1989; **171:** 507

venous stenoses in dialysis shunts: treatment with self-expanding metallic stents, Günther RW; Vorwerk D; Bohndorf K; Klose KC; Kistler D; Mann H; Sieberth HG; El-Din A, Radiology 1989; **170:** 401

Diaphragm

anatomic variations and abnormalities in the diaphragm seen with US, Yeh H-C; Halton KP; Gray CE, Radiographics 1990; **10:** 1019

imaging the diaphragm and its disorders, Tarver RD; Conces DJ Jr; Cory DA; et al, J Thorac Imag 1989; **4-1:** 1

Kerley Pergamon lecture: the diaphragm. radiologic correlations with anatomy and pathology, Heitzman ER, Clin Radiol 1990; **42:** 15

Diaphragm, abnormalities

aging of the diaphragm: a CT study, Caskey CI; Zerhouni EA; Fishman EK; Rahmouni AD, Radiology 1989; **171:** 385

diaphragmatic and paradiaphragmatic tumors and pseudotumors, Schwartz EE; Wechsler RJ, J Thorac Imag 1989; **4-1:** 19

elevated hemidiaphragm after cardiac operations: incidence, prognosis, and relationship to the use of topical ice slush, (ab), Curtis JJ; Nawarawong W; Walls JT; et al, Radiology 1990; **176:** 295

eventration of the diaphragm: prenatal diagnosis, Jurcak-Zaleski S; Comstock CH; Kirk JS, J Ultrasound Med 1990; **9:** 351

gastric bubble: Roentgen observations, Gurney JW; Olson DL; Schroeder BA, Radiographics 1989; **9:** 467

imaging the diaphragm and its disorders, Tarver RD; Conces DJ Jr; Cory DA; et al, J Thorac Imag 1989; **4-1:** 1

prenatal diagnosis of eventration of the diaphragm, Thiagarajah S; Abbitt PL; Hogge WA; et al, JCU 1990; **18:** 46

Diaphragm, CT

aging of the diaphragm: a CT study, Caskey CI; Zerhouni EA; Fishman EK; Rahmouni AD, Radiology 1989; **171:** 385

computed tomography in traumatic defects of the diaphragm, Demos TC; Solomon C; Posniak HV; et al, Clin Imag 1989; **13:** 62

diaphragmatic endometriosis: CT and MR findings, Posniak HV; Keshavarzian A; Jabamoni R, Gastrointest Radiol 1990; **15:** 349

traumatic rupture of the diaphragm without visceral herniation: CT diagnosis, Holland DG; Quint LE, AJR 1991; **157:** 17

Diaphragm, injuries

computed tomography in traumatic defects of the diaphragm, Demos TC; Solomon C; Posniak HV; et al, Clin Imag 1989; **13:** 62

diaphragmatic rupture due to blunt trauma: sensitivity of plain chest radiographs, Gelman R; Mirvis SE; Gens D, AJR 1991; **156:** 51

Diaphragm, MR

diaphragmatic endometriosis: CT and MR findings, Posniak HV; Keshavarzian A; Jabamoni R, Gastrointest Radiol 1990; **15:** 349

MRI diagnosis of delayed presentation of traumatic diaphragmatic hernia, Daum-Kowalski R; Shanley DJ; Murphy T, Gastrointest Radiol 1991; **16:** 298

Diaphragm, neoplasms

anatomic variations and abnormalities in the diaphragm seen with US, Yeh H-C; Halton KP; Gray CE, Radiographics 1990; **10:** 1019

diaphragmatic and paradiaphragmatic tumors and pseudotumors, Schwartz EE; Wechsler RJ, J Thorac Imag 1989; **4-1:** 19

Diaphragm, rupture

case of the month: a diaphragmatic nick, Broderick NJ; Whyte AM, Br J Radiol 1990; **63:** 311

CT demonstration of traumatic ventral hernia and diaphragmatic rupture: a case report, Low V; Kelsey P, Australas Radiol 1990; **34:** 172

delayed presentation of traumatic diaphragmatic hernia, McHugh K; Ogilvie BC; Brunton FJ, Clin Radiol 1991; **43:** 246

diaphragmatic rupture due to blunt trauma: sensitivity of plain chest radiographs, Gelman R; Mirvis SE; Gens D, AJR 1991; **156:** 51

rupture of the right hemidiaphragm following blunt trauma: the use of ultrasound in diagnosis, Somers JM; Gleeson FV; Flower CDR, Clin Radiol 1990; **42:** 97

traumatic rupture of the diaphragm without visceral herniation: CT diagnosis, Holland DG; Quint LE, AJR 1991; **157:** 17

traumatic rupture of the right hemidiaphragm with hepatic herniation: real-time ultrasound demonstration, Fung HMY; Vickar DB, J Ultrasound Med 1991; **10:** 295

Diaphragm, US

anatomic variations and abnormalities in the diaphragm seen with US, Yeh H-C; Halton KP; Gray CE, Radiographics 1990; **10:** 1019

prenatal diagnosis of eventration of the diaphragm, Thiagarajah S; Abbitt PL; Hogge WA; et al, JCU 1990; **18:** 46

rupture of the right hemidiaphragm following blunt trauma: the use of ultrasound in diagnosis, Somers JM; Gleeson FV; Flower CDR, Clin Radiol 1990; **42:** 97

sonographic appearance of the diaphragm: a cadaver study, Verschakelen JA; Marchal G; Verbeken E; et al, JCU 1989; **17:** 222

Diarrhea

antenatal sonographic findings of congenital chloride diarrhea, Patel PJ; Kolawole TM; Ba'Aqueel HS; et al, JCU 1989; **17:** 115

efficient management of diarrhea in the acquired immunodeficiency syndrome (AIDS): a medical decision analysis, (ab), Johanson JF; Sonnenberg A, Radiology 1990; **177:** 889

Diastematomyelia

antenatal diagnosis of diastematomyelia, Caspi B; Gorbacz S; Appelman Z; et al, JCU 1990; **18:** 721

cervical and basicranial diastematomyelia, Herman TE; Siegel MJ, AJR 1990; **154:** 806

diastematomyelia: prenatal ultrasonic appearances, Winter RK; McKnight LG; Byrne RA; et al, Clin Radiol 1989; **40:** 291

MR demonstration of paravertebral lumbar meningomyelocele with diastematomyelia, Gupta RK; Sharma A, Neuroradiol 1990; **31:** 554

occult diastematomyelia in adults—report of two cases, Whitney RW; Brenner R; Gulati R, Clin Radiol 1990; **41:** 415

Diatrizoate

case report: renal excretion of enteral Gastrografin in the absence of free intestinal perforation, Hay M; Cant PJ, Clin Radiol 1990; **41:** 137

comparison of the systemic responses to rapid intravenous injections of ioxilan, iohexol, and diatrizoate in rabbits, Morris TW; Prentice LI; Ventura J, Invest Radiol 1989; **24:** 294

contrast media- and pharmacologic-induced nephropathies: effects of diatrizoate and iohexol on urine profiles in rats, Thomsen HS, Invest Radiol 1990; **25:** S129

cytogenic effects of diatrizoate and ioxaglate on patients undergoing excretory urography, Nuñez ME; Sinués B; Invest Radiol 1990; **25:** 692

effect of diatrizoate on renal extraction of PAH in man, Tidgren B; Golman K, Acta Radiol 1989; **30:** 521

gentamicin nephropathy and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Skaarup P; Larsen S; et al, Acta Radiol 1990; **31:** 401

incompatibility of contrast agents with intravascular medications: work in progress, Irving HD; Burbridge BE, Radiology 1989; **173:** 91

iodinated contrast medium as an aid to gallstone dissolution with methyl *tert*-butyl ether: in vitro study, Zhou J; Lee SH; Rawat B; Fache JS; Maciejewska U; Burhenne HJ, Radiology 1990; **175:** 479

muscle toxicity of diatrizoate and iohexol in rabbits: a model for local tissue damage, Thomsen HS; Golman K; Svendsen O, Acta Radiol 1991; **32:** 182

nephrotoxicity of cyclosporin A and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Larsen S; Skaarup P; et al, Acta Radiol 1989; **30:** 647

peritoneal reaction resulting from iodinated contrast material: comparative study, Eisenberg AD; Winfield AC; Page DL; Holburn GE; Schifter T; Segars JH, Radiology 1989; **172:** 149

pharmacokinetics of three contrast media in experimental pancreatography, Saari A, Acta Radiol 1989; **30:** 81

synergy of chymopapain and diatrizoate studied in an experimental model, Haughton VM; Ho K-C; Nguyen CM, Radiology 1989; **171:** 469

Diethylenetriaminepentaacetic acid (DTPA)

acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

extracranial lesions of the head and neck: preliminary experience with Gd-DTPA—enhanced MR imaging, Robinson JD; Crawford SC; Teresi LM; Schiller VL; Lufkin RB; Harnsberger HR; Dietrich RB; Crim JR; Duckwiler GR; Spickler EM; Hanafee WN, Radiology 1989; **172:** 165

In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT, Radiology 1990; **175:** 163

pseudolayering of Gd-DTPA in the urinary bladder, Elster AD; Sobol WT; Hinson WH, Radiology 1990; **174:** 379

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

Dieulafoy disease

Dieulafoy disease: a real entity?, Palmaz JC; Waltman AC, Radiology 1990; **174:** 942

Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; **174:** 937

Digital radiography

See Radiography, digital

Digital subtraction angiography

3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ, Radiology 1991; **179:** 797

absolute cross-sectional area measurements in quantitative coronary arteriography by dual-energy DSA, Molloi SY; Ersahin A; Roeck WW; et al, Invest Radiol 1991; **26:** 119

anatomical variations of the carotid bifurcation: implications for digital subtraction angiography and ultrasonography, Trigaux J-PP; Delchambre FE; Van Beers BE, Br J Radiol 1990; **63:** 181

automated tracking and computer reproduction of vessels in DSA images, Hoffmann KR; Doi K; Chen S-H; et al, Invest Radiol 1990; **25:** 1069

bleeding Meckel's diverticulum demonstrated by digital subtraction angiography, Aggarwal S; Kumar A; Nijhawan S; et al, Pediatr Radiol 1989; **19:** 438

cardiac complications of intravenous digital subtraction angiography, Neergaard K; Gallée AM; Dirksen KL; et al, Eur J Radiol 1989; **9:** 105

case report: loosening of total knee prosthesis demonstrated by digital subtraction arthrography, Jones R, Australas Radiol 1990; **34:** 271

cerebrovascular disease: outpatient evaluation with selective carotid DSA performed via a transbrachial approach, Barnett FJ; Lecky DM; Freiman DB; Montecalvo RM, Radiology 1989; **170:** 535

clinical applications of carbon dioxide/digital subtraction arteriography, (ab), Weaver FA; Pentecost MJ; Yellin AE; et al, Radiology 1991; **180:** 590

clinically unsuspected complications of arterial surgery shown by post-operative digital substraction angiography, Teeuwen C; Eikelboom BC; Ludwig JW, Br J Radiol 1989; **62:** 13

contrast materials with low iodine concentration and intra-arterial digital subtraction angiography, Carella A; Resta M; D'Aprile P, J Neuroradiol 1990; **17:** 201

demonstration of pedal arterial arcades in occlusive arteriosclerotic disease: conventional and digital subtraction angiography compared, Hol PK; Heldaas J; Skjennald A, Acta Radiol 1989; **30:** 61

determination of instantaneous and average blood flow rates from digital angiograms of vessel phantoms using distance-density curves, Hoffmann KR; Doi K; Fencil LE, Invest Radiol 1991; **26:** 207

development and use of digital subtraction angiography, Jeans WD, Br J Radiol 1990; **63:** 161

digital rotational radiography in neuroradiology, Schumacher M; Kutluk K; Ott D, AJNR 1989; **10:** 644

digital subtraction angiography (DSA): work load and financial implications for a neuroradiology department, Kingsley DPE; Butler P; Rowe GM; et al, Neuroradiol 1989; **31:** 240

digital subtraction angiography (IV DSA) in treatment planning of subdiaphragmatic Hodgkin's disease, Pötter R; Sciuk J; Haverkamp U, Int J Radiat Oncol Biol Phys 1989; **17:** 389

digital subtraction spinal cord angiography in patients undergoing thoracic aneurysm surgery, Fereshetian A; Kadir S; Kaufman SL; et al, Cardiovasc Intervent Radiol 1989; **12:** 7

false-negative IV-DSA in external jugular phlebectasia, Aggarwal S; Misra NK; Sharma S, J Canad Assoc Radiol 1989; **40:** 57

imaging of the digital arteries: digital subtraction angiography versus conventional arteriography, Menanteau BP; Treutenaere JM; Marcus C; et al, J Canad Assoc Radiol 1989; **40:** 34

internal densitometric gating for digital subtraction angiography, Seibert JA; Lantz BMT; Brock J, Invest Radiol 1989; **24:** 350

intraarterial digital subtraction angiography in detection of hepatocellular carcinoma, Takahashi K; Furuse M; Saito K; et al, Cardiovasc Intervent Radiol 1989; **12:** 61

intra-arterial digital subtraction angiography in the evaluation of peripheral vascular trauma, (ab), Howard CA; Thal ER; Redman HC; et al, Radiology 1990; **174:** 588

intraarterial digital subtraction venography (i.a.-DSV) of abdominal vessels, Dawson P; Dunn G, Acta Radiol 1989; **30:** 109

intravenous digital subtraction angiography and lung imaging: compared value in the diagnosis of pulmonary embolism, Rosso J; Musset D; Petitpretz P; et al, Clin Nucl Med 1989; **14:** 183

intravenous digital subtraction angiography in non-specific aorto-arteritis, Sharma S; Aggarwal S; Talwar KK; et al, Br J Radiol 1989; **62:** 117

intravenous digital subtraction angiography in patients with cerebral ischaemia: evaluation of extracranial carotid lesions, Mantoni M; Neergaard K, Eur J Radiol 1989; **9:** 221

intravenous digital subtraction angiography in patients with aorto-arteritis (Takayasu's), Liu Y-Q; Ling J; Wang Z-L, Cardiovasc Intervent Radiol 1990; **13:** 83

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Dunnick NR; Svetkey LP; Cohan RH; Newman GE; Braun SD; Himmelstein SI; Bollinger RR; McCann RL; Wilkinson RH Jr; Klotman PE, Radiology 1989; **171:** 219

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Millward SF, Radiology 1989; **173:** 283

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension: reply, Dunnick NR, Radiology 1989; **173:** 283

intravenous DSA and dynamic computed tomography for postoperative follow-up of type A aortic dissections, Hendrickx P; Rieder P; Prokop M; et al, Eur J Radiol 1989; **9:** 158

investigation of renovascular hypertension with ^{99m}TC-DTPA dynamic renal scanning and digital subtraction angiography, Stavraka-Kakavakis A; Vlontjou E; Apostolopoulos D; et al, Eur J Radiol 1989; **9:** 231

in vitro study of the hemodynamic effects of catheter injections, Morris TW; Walike CS, Invest Radiol 1989; **24:** 361

low infusion rate digital subtraction angiography to predict regional perfusion in hepatic arterial chemotherapy, Andrews JC; Williams DM; Shapiro B; et al, Cardiovasc Intervent Radiol 1989; **12:** 277

new algorithm for deriving pulsatile blood flow waveforms tested using simulated dynamic angiographic data, Seifalian AM; Hawkes DJ; Colchester ACF; et al, Neuroradiol 1989; **31:** 263

organ doses from cardiac and carotid digital subtraction angiography, Mustafa AA; Janeczek J, Br J Radiol 1989; **62:** 838

outpatient brachiocephalic angiography, Huckman MS, Radiology 1989; **170:** 317

peripheral DSA with automated stepping, Fink U; Heywang SH; Hilbertz T; et al, Eur J Radiol 1991; **13:** 50

relative safety of intravenous digital subtraction angiography over other methods of carotid angiography and impact on clinical management of cerebrovascular disease, Stevens JM; Barter S; Kerslake R; et al, Br J Radiol 1989; **62:** 813

renal vein renins: inability to predict response to revascularization in patients with hypertension, Roubidoux MA; Dunnick NR; Klotman PE; Newman GE; Cohan RH; Kadir S; Svetkey LP, Radiology 1991; **178:** 819

routine transbrachial angiography, Millward SF, Radiology 1989; **172:** 577

short-term morphologic results of percutaneous transluminal renal angioplasty as determined with angiography, Wilms GE; Baert AL; Amery AK; Staessen JA; Vermylen JG, Radiology 1989; **170:** 1019

subtracted versus non-subtracted digital imaging in peripheral angiography, Fink U; Heywang SH; Mayr B; et al, Eur J Radiol 1989; **9:** 236

where you are doubtful of doing good, be sure of doing no harm, Stevens JM, Radiology 1989; **173:** 880

Digital subtraction angiography, comparative studies

color-coded image-directed Doppler sonography compared with digital subtraction angiography in the follow-up of percutaneous vascular endoprostheses, Vorwerk D; Günther RW; Gehl H-B; et al, JCU 1990; **18:** 631

comparison of normal intraarterial digital subtraction angiography with standard angiography in patients with symptomatic cerebrovascular ischemia, Lipchik EO; Mewissen MW, AJNR 1990; **11:** 837

hemodialysis grafts: color Doppler flow imaging correlated with digital subtraction angiography and functional status, Dousset V; Grenier N; Douws C; Senuita P; Sassouste G; Ada L; Potaux L, Radiology 1991; **181:** 89

localization of parathyroid adenomas: superselective arterial DSA versus superselective conventional angiography, Miller DL; Chang R; Doppman JL; Norton JA, Radiology 1989; 170: 1003

Digital subtraction angiography, technology

arteriography with portable DSA equipment, King JN; Orrison WW; Keck GM; Demarest GB; Hinson JE; Sell JJ, Radiology 1989; 172: 1023

central venous catheter placement for intravenous digital subtraction angiography: an assessment of technical problems and success rate, Barber CJ, Br J Radiol 1989; 62: 599

comparison of nonsubtracted digital angiography and conventional screen-film angiography for the evaluation of patients with peripheral vascular disease, Picus D; Hicks ME; Darcy MD; Kleinhoffer MA, JVIR 1991; 2: 359

development of a high-resolution digital tomosynthesis system and its clinical application, Sone S; Kasuga T; Sakai F; Aoki J; Izuno I; Tanizaki Y; Shigeta H; Shibata K, Radiographics 1991; 11: 807

improvement of cervicocranial IV digital subtraction angiography with pixel remasking and cardiac gating, Pexman JHW; Wriedt CHR; Richard TC; et al, AJNR 1989; 10: S86

intraarterial digital subtraction angiography in bronchogenic carcinoma treated with bronchial artery infusion, Teng G-J; Chai X-L; Gao G-R; et al, Eur J Radiol 1991; 12: 91

new catheter technique for transcubital intraarterial DSA of the aortic arch and the supraaortic vessels, Tomac B; Hebrang A, Neuroradiol 1989; 31: 80

nonselective digital subtraction angiography: compact contrast material bolus for improved image quality, Rees CR; Alvarado R; Palmaz JC; et al, Invest Radiol 1989; 24: 277

quantitative digital subtraction arteriography with a calibration catheter, Barth KH; Kremers PW; Lindisch D; et al, Cardiovasc Intervent Radiol 1989; 12: 281

Dipyridamole

detection of coronary artery disease using MR imaging with dipyridamole infusion, Pennell DJ; Underwood SR; Longmore DB, JCAT 1990; 14: 167

dipyridamole perfusion scintigraphy, Botvinick EH; Dae MW, Semin Nucl Med 1991; 21: 242

early assessment of coronary artery bypass graft patency by high-dose dipyridamole echocardiography, (ab), Bongo AS; Bolognese L; Sarasso G; et al, Radiology 1991; 180: 589

effect of exercise supplementation on dipyridamole thallium-201 image quality, Stern S; Greenberg ID; Corne R, J Nucl Med 1991; 32: 1559

effects of leucovorin and dipyridamole on fluoropyrimidine-induced radiosensitization, Lawrence TS; Heimburger DK; Shewach DS, Int J Radiat Oncol Biol Phys 1991; 20: 377

false-negative dipyridamole-thallium-201 myocardial imaging after caffeine infusion, Smits P; Corstens FHM; Aengevaeren WRM; et al, J Nucl Med 1991; 32: 1538

incidence of serious hemodynamic changes in physically-limited patients following oral dipyridamole challenge before thallium-201 scintigraphy, Kahn D; Argenyi EA; Berbaum K; et al, Clin Nucl Med 1990; 15: 678

intravenous dipyridamole thallium-201 SPECT imaging: methodology, applications, and interpretations, Rockett JF; Magill HL; Loveless VS; et al, Clin Nucl Med 1990; 15: 712

perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR, Radiology 1990; 175: 103

reocclusion prophylaxis with dipyridamole combined with acetylsalicylic acid following PTA, (ab), Heiss HW; Just H; Middleton D; et al, JVIR 1991; 2: 289

Diving

MR imaging of the central nervous system in divers, Rinck PA; Svihus R; de Francisco P, JMRI 1991; 1: 293

Dopamine

See Contrast media, toxicity

Dosimetry

AAPM tutorial: patient dose in mammography, Rothenberg LN, Radiographics 1990; 10: 739

absorbed dose calculations to blood and blood vessels for internally deposited radionuclides, Akabani G; Poston JW Sr, J Nucl Med 1991; 32: 830

absorbed dose in imaging: why measure it?, Wagner LK, Radiology 1991; 178: 622

absorbed dose in water: comparison of several methods using a liquid ionization chamber, Mattsson O; Svensson H; Wickman G; et al, Acta Oncol 1990; 29: 235

advances in treatment planning dosimetry for a high energy neutron beam, Blake SW, Br J Radiol 1991; 64: 341

biodistribution, dosimetry, and clinical evaluation of technetium-99m ethyl cysteinate dimer in normal subjects and in patients with chronic cerebral infarction, Holman BL; Hellman RS; Goldsmith SJ; et al, J Nucl Med 1989; 30: 1018

biological dosimetry for iodine contrast medium and x-ray interactions by cell survival, Tokita N; Akine Y; Egawa S; et al, Br J Radiol 1990; 63: 735

bladder and rectal dose of gynecologic high-dose-rate implants: comparison of orthogonal radiographic measurements with in vivo and CT-assisted measurements, Stuecklschweiger GF; Arian-Schad KS; Poier E; Poschauko J; Hackl A, Radiology 1991; 181: 889

bone marrow dosimetry in rats using direct tissue counting after injection of radioiodinated intact monoclonal antibodies or $F(ab')_2$ fragments, Buchegger F; Chalandon Y; Pèlegrin A; et al, J Nucl Med 1991; 32: 1414

calculating radiation absorbed dose with pheochromocytoma tumors in 131-I MIBG therapy, Koral KF; Wang X; Sisson JC; et al, Int J Radiat Oncol Biol Phys 1989; 17: 211

calculation and measurements of absorbed dose in total body irradiation, Svahn-Tapper G; Nilsson P; Jönsson C; et al, Acta Oncol 1990; 29: 627

calibration of radiotherapy beams using a PC-based dosimetry recording system, Kenny MB; Millar RM, Br J Radiol 1990; 63: 883

changes in biological effectiveness of the neutron beam at Clatterbridge (62 MeV p on Be) measured with cells *in vitro*, Bewley DK; Cullen BM; Astor M; et al, Br J Radiol 1989; 62: 344

comparison of two methods of *in vivo* dosimetry for a high energy neutron beam, Blake SW; Bonnett DE; Finch J, Br J Radiol 1990; 63: 476

dose calculations for high energy electron and photon beams, Cunningham JR, Comput Med Imag Graph 1989; 13: 241

dosimetric analysis in brachytherapy of carcinoma of the cervix, Krishnan L; Cytaki EP; Wolf CD; et al, Int J Radiat Oncol Biol Phys 1990; 18: 965

dosimetric considerations of stereotactic brain implants, Saw CB; Suntharalingam N; Ayyangar KM; et al, Int J Radiat Oncol Biol Phys 1989; 17: 887

dosimetric estimates for clinical positron emission tomographic scanning after injection of [^{18}F]-6-fluorodopamine, Goldstein DS; Chang PC; Smith CB; et al, J Nucl Med 1991; 32: 102

dosimetric evaluation of a variable energy superficial x-ray machine with applications for endocavitary radiotherapy techniques, Coffey CW; Morris R; Martin J; et al, Int J Radiat Oncol Biol Phys 1989; 16: 849

dosimetric intercomparison in the British Institute of Radiology fractionation study of 3F/week versus 5F/week in radiotherapy of laryngo-pharynx cancer, Barrett JH; Davy TJ; Dixon-Brown A; et al, Br J Radiol 1990; 63: 125

dosimetry and physical treatment planning for iodine eye plaque therapy, Alberti W; Pothmann B; Tabor P; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1087

dosimetry characteristics of metallic cones for intraoperative radiotherapy, Nyerick CE; Ochran TG; Boyer AL; et al, Int J Radiat Oncol Biol Phys 1991; 21: 501

effects of propylthiouracil on the biodistribution of an iodine-131-labeled anti-myeloid antibody in normal dogs: dosimetry and clinical implications, Bianco JA; Brown PA; Durack L; et al, J Nucl Med 1990; 31: 1384

electron arc therapy: design, implementation and evaluation of a dynamic multi-vane collimator system, Leavitt DD; Stewart JR; Moeller JH; et al, Int J Radiat Oncol Biol Phys 1989; 17: 1089

equivalent total doses for different fractionation schemes, based on the linear quadratic model, Muller-Runkel R; Vijayakumar S, Radiology 1991; 179: 573

estimated fetal radiation dose from multislice CT studies, Felmlee JP; Gray JE; Leetzow ML; et al, AJR 1990; 154: 185

evaluation of lung dose correction methods for photon irradiations of thorax phantoms, El-Khatib EE; Evans M; Pla M; et al, Int J Radiat Oncol Biol Phys 1989; 17: 871

fetal dose estimates for CT pelvimetry, Moore MM; Shearer DR, Radiology 1989; 171: 265

field matching considerations in craniospinal irradiation, Tatcher M; Glicksman AS, Int J Radiat Oncol Biol Phys 1989; 17: 865

film dosimetry of clinical electron beams, van Battum LJ; Huizenga H, Int J Radiat Oncol Biol Phys 1990; 18: 69

IAEA/WHO TL dosimetry service for radiotherapy centres 1969–1987, Svensson H; Hanson GP; Zsdánszky K, Acta Oncol 1990; 29: 461

improvement in CT pelvimetry, Wiesen EJ; Crass JR; Bellon EM; Ashmead GG; Cohen AM, Radiology 1991; 178: 259

inhomogeneous deposition of radiopharmaceuticals at the cellular level: experimental evidence and dosimetric implications, Makrigiorgos GM; Ito S; Baranowska-Kortylewicz J; et al, J Nucl Med 1990; 31: 1358

investigation into the performance of an automated quality assurance and dosimetry system in diagnostic radiology, Chapple C-L; Faulkner K; Harrison RM, Br J Radiol 1990; 63: 635

lacrimal gland dosimetry for the brain imaging agent technetium-99m-HMPAO, Villanueva-Meyer J; Thompson D; Mena I; et al, J Nucl Med 1990; 31: 1237

limitations of conventional internal dosimetry at the cellular level, Makrigiorgos GM; Adelstein SJ; Kassis AI, J Nucl Med 1989; 30: 1856

measurement and estimation of organ Bremsstrahlung radiation dose, Williams LE; Wong JYC; Findley DO; et al, J Nucl Med 1989; 30: 1373

measurement of dose rate from exposure-calibrated ^{125}I seeds, Luxton G; Astrahan MA; Findley DO; et al, Int J Radiat Oncol Biol Phys 1990; 18: 1199

microdosimetry of a 42 MeV therapy neutron beam, Kliauga P; Horton J; Stafford P, Int J Radiat Oncol Biol Phys 1989; 16: 845

model of the peritoneal cavity for use in internal dosimetry, Watson EE; Stabin MG; Davis JL; et al, J Nucl Med 1989; 30: 2002

Monte Carlo and convolution dosimetry for stereotactic radiosurgery, Kubsad SS; Mackie TR; Gehring MA; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1027

multiplanar arc boost radiation therapy for prostate cancer, Serago CF; Lewin AA; Houdek PV; Schwade JG; Abitol AA, Radiology 1989; 172: 561

possibility of retrospective dosimetry for persons accidentally exposed to ionizing radiation using electron spin resonance of sugar and mother-of-pearl, Nakajima T, Br J Radiol 1989; 62: 148

primary lung cancer: biodistribution and dosimetry of two In-111-labeled monoclonal antibodies, Brown PH; Krishnamurthy GT; Turner FE; Denney RK; Gilbert SA; Slauson ME, Radiology 1989; 173: 701

quantitative assessment of interstitial implants, Saw CB; Suntharalingam N, Int J Radiat Oncol Biol Phys 1991; **20:** 135

quantitative SPECT in radiation dosimetry, Zanzonico PB; Bigler RE; Sgouros G; et al, Semin Nucl Med 1989; **19:** 47

radiation dosimetry for the adult female and fetus from iodine-131 administration in hyperthyroidism, Stabin MG; Watson EE; Marcus CS; et al, J Nucl Med 1991; **32:** 808

radiation transport calculations in treatment planning, Williamson JF, Comput Med Imag Graph 1989; **13:** 251

relative biological effectiveness and oxygen enhancement ratio of 50 MV x-rays, Zackrisson B; Johansson B; Östbergh P, Acta Oncol 1989; **28:** 529

selective internal radiation therapy: validation of intraoperative dosimetry, Burton MA; Gray BN; Kelleher DK; Klemp PF, Radiology 1990; **175:** 253

small, superficial esophageal carcinoma treated with high-dose-rate intracavitary irradiation only, Hishikawa Y; Kurisu K; Taniguchi M; Kamikonya N; Miura T, Radiology 1989; **172:** 267

some indicative parameters on diagnostic radiology in Spain: first dose estimations, Vañó E; González L; Calzado A; et al, Br J Radiol 1989; **62:** 20

surface dose measurements in clinical photon beams, Nilsson B; Sorcini B, Acta Oncol 1989; **28:** 537

tissue dose estimates following the selective uptake of ^{125}IUdR and other radiolabelled thymidine precursors in resistant tumours, Humm JL; Bagshawe KD; Sharma SK; et al, Br J Radiol 1991; **64:** 45

tissue doses in the upper gastrointestinal fluoroscopy examination, Suleiman OH; Anderson J; Jones B; Rao GUV; Rosenstein M, Radiology 1991; **178:** 653

uncertainties in dosimetric data and beam calibration, Andreo P, Int J Radiat Oncol Biol Phys 1990; **19:** 1233

Dotter, Charles

Charles Dotter: interventional radiologist, Friedman SG, Radiology 1989; **172:** 921

Down syndrome

Alzheimer's disease in Down's syndrome with SPECT, Rae-Grant AD; Barbour PJ; Sirotta P; et al, Clin Nucl Med 1991; **16:** 509

arthropathy of Down syndrome, (ab), Olson JC; Bender JC; Levinson JE; et al, Radiology 1991; **179:** 888

atlanto-occipital subluxation in Down syndrome, Stein SM; Kirchner SG; Horev G; et al, Pediatr Radiol 1991; **21:** 121

brain atrophy in 18 patients with Down syndrome: a CT study, Pearlson GD; Warren AC; Starkstein SE; et al, AJNR 1990; **11:** 811

can sonographers reliably identify anatomic features associated with Down syndrome in fetuses?, Benacerraf BR; Cnann A; Gelman R; Laboda LA; Frigoletto FD Jr, Radiology 1989; **173:** 377

case control study of trisomy 21 and maternal pre-conceptual radiography, Francis J; Snee M, Clin Radiol 1991; **43:** 343

femur length in the US prediction of trisomy 21 and other chromosomal abnormalities, Grist TM; Fuller RW; Albiez KL; Bowie JD, Radiology 1990; **174:** 837

fetal femur length to detect trisomy 21: a reappraisal, LaFollette L; Filly RA; Anderson R; et al, J Ultrasound Med 1989; **8:** 657

hypoplasia of the middle phalanx of the fifth digit: a feature of the second trimester fetus with Down's syndrome, Benacerraf BR; Harlow BL; Frigoletto FD Jr, J Ultrasound Med 1990; **9:** 389

mastoid abnormalities in Down syndrome, Glass RBJ; Yousefzadeh DK; Roizen NJ, Pediatr Radiol 1989; **19:** 311

Moyamoya disease in Down syndrome, Outwater EK; Platenberg RC; Wolpert SM, AJNR 1989; **10:** S23

prenatal detection of simian crease, Jeanty P, J Ultrasound Med 1990; **9:** 131

relationship between enlargement of the temporal horns of the lateral ventricles and dementia in aging patients with Down syndrome, LeMay M; Alvarez N, Neuroradiol 1990; **32:** 104

second trimester hyperechogenicity in the lower abdomen of two fetuses with trisomy 21: is there a correlation?, Persutte WH, JCU 1990; **18:** 425

symptomatic atlantoaxial instability associated with medical and rehabilitative procedures in children with Down syndrome, (ab), Msall ME; Reese ME; DiGaudio K; et al, Radiology 1990; **176:** 886

Doxorubicin

advanced breast cancer: a randomised trial of epidoxorubicin at two different dosages and two administration systems, Ebbs SR; Saunders JA; Graham H; et al, Acta Oncol 1989; **28:** 887

anaplastic thyroid carcinoma: doxorubicin, hyperfractionated radiotherapy and surgery, Tennvall J; Tallroth E; El Hassan A; et al, Acta Oncol 1990; **29:** 1025

anthracycline resistance, Friche E; Skovsgaard T; Nissen NI, Acta Oncol 1989; **28:** 877

doxorubicin and 5-fluorouracil versus doxorubicin and oral ftorafur in the treatment of advanced gastric cancer—a phase II and III trial, Vestlev PM; Pedersen H, Acta Oncol 1990; **29:** 945

doxorubicin in combination with verapamil in advanced colorectal cancer: a phase II trial, Dalmark M; Pals H; Johnsen AH, Acta Oncol 1991; **30:** 23

in vitro effect of doxorubicin on non-proliferating and proliferating epithelial cells, Baral E; Auer G, Int J Radiat Oncol Biol Phys 1990; **19:** 963

pharmacokinetics and central haemodynamic effects of doxorubicin and 4'epi-doxorubicin in the pig, Andersson M; Domellöf L; Eksborg S; et al, Acta Oncol 1989; **28:** 709

pharmacokinetics of anthracyclines, Eksborg S, Acta Oncol 1989; **28:** 873

protection of doxorubicin cytotoxicity by cycloheximide, Bonner JA; Lawrence TS, Int J Radiat Oncol Biol Phys 1989; **16:** 1209

right ventricle wall motion abnormalities in patients treated with chemotherapy, Barendswaard EC; Prpic H; Van der Wall EE; et al, Clin Nucl Med 1991; **16:** 513

single agent epirubicin in squamous cell cervical cancer: a phase II trial, Calero F; Rodriguez-Escudero F; Jimeno J; et al, Acta Oncol 1991; **30:** 325

transcatheter arterial chemotherapy using doxorubicin, iodized oil and Gelfoam embolization in hepatocellular carcinoma, Van Beers BE; Roche A; Cauquil P; et al, Acta Radiol 1989; **30:** 415

weekly anthracycline in the treatment of advanced breast cancer, Gundersen S; Kvinnsland S; Klepp O; et al, Acta Oncol 1989; **28:** 883

weekly doxorubicin in the treatment of metastatic breast carcinoma, Nylén U; Baral E; Svane G; et al, Acta Oncol 1989; **28:** 515

Drugs, abuse

brain perfusion is abnormal in cocaine-dependent polydrug users: a study using technetium-99m-HMPAO and ASPECT, Holman BL; Carvalho PA; Mendelson J; et al, J Nucl Med 1991; **32:** 1206

cerebral abnormalities in cocaine abusers: demonstration by SPECT perfusion brain scintigraphy. work in progress, Tumeh SS; Nagel JS; English RJ; Moore M; Holman BL, Radiology 1990; **176:** 821

cervical osteomyelitis due to IV heroin use: radiologic findings in 14 patients, Endress C; Guyot DR; Fata J; et al, AJR 1990; **155:** 333

chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH, Radiology 1989; **172:** 459

cocaine abuse: neurovascular complications, Jacobs IG; Roszler MH; Kelly JK; Klein MA; Kling GA, Radiology 1989; **170:** 223

costochondral involvement in systemic candidiasis in heroin addicts: clinical, scintigraphic, and histologic features in 26 patients, (ab), Miro JM; Brancos MA; Abello R; et al, Radiology 1989; **170:** 588

crack lung: an acute pulmonary syndrome with a spectrum of clinical and histopathologic findings, (ab), Forrester JM; Steele AW; Waldron JA; et al, Radiology 1991; **178:** 587

CT manifestation of sternoclavicular pyarthrosis in patients with intravenous drug abuse, Alexander PW; Shin MS, JCAT 1990; **14:** 104

gallium-67 detection of intramammary injection sites secondary to intravenous drug abuse, Swayne LC, Clin Nucl Med 1990; **14:** 693

groin hit: complications of intravenous drug abuse, Roszler MH; McCarroll KA; Donovan KR; Rashid T; Kling GA, Radiographics 1989; **9:** 487

increased cerebral blood flow velocity in infants of mothers who abuse cocaine, (ab), van de Bor M; Walther FJ; Sims ME, Radiology 1990; **177:** 599

long-term follow-up of drug abusers with intravenous talcosis, (ab), Paré JP; Cote G; Fraser RS, Radiology 1989; **172:** 883

lung disorders due to drug abuse, McCarroll KA; Roszler MH, J Thorac Imag 1991; **6-1:** 30

new cocaine abuse complex: involvement of nose, septum, palate, and pharynx, (ab), Deutsch HL; Millard DR Jr, Radiology 1990; **174:** 591

prenatal cocaine exposure and fetal vascular disruption, (ab), Hoyme HE; Jones KL; Dixon SD; et al, Radiology 1990; **177:** 599

pulmonary cystic disease: comparison of *Pneumocystis carinii* pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

pulmonary edema in cocaine smokers, Hoffman CK; Goodman PC, Radiology 1989; **172:** 463

pulmonary needle embolism from intravenous drug abuse, Hart BL; Newell JD II; Davis M, J Canad Assoc Radiol 1989; **40:** 326

subcortical cerebral hemorrhages associated with cocaine abuse: CT and MR findings, Nalls G; Disher A; Daryabagi J; et al, JCAT 1989; **13:** 1

substance abuse-related spontaneous bladder rupture: report of two cases and review of the literature, (ab), Marshall GA; Dixon CM; McAninch JW, Radiology 1991; **180:** 293

surgical management of empyema thoracis in substance abuse patients: a 5-year experience, (ab), Hoover EL; Hsu H-K; Webb H; et al, Radiology 1989; **172:** 291

Drugs, effects

chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH, Radiology 1989; **172:** 459

clinical diagnosis of drug-induced pulmonary disorders, Gregory SA; Grippi MA, J Thorac Imag 1991; **6-1:** 8

"diaphragm-like" strictures of the small bowel in patients treated with non-steroidal anti-inflammatory drugs, Levi S; de Lacey G; Price AB; et al, Br J Radiol 1990; **63:** 186

drug-induced pulmonary disease: an update, Aronchick JM; Gefter WB, J Thorac Imag 1991; **6-1:** 19

drug-related pleural and mediastinal disorders, Miller WT Jr, J Thorac Imag 1991; **6-1:** 36

ergotism as a consequence of thromboembolic prophylaxis, Ashenburg RJ; Phillips DA, Radiology 1989; **170:** 375

glucagon: common untoward reactions—review and recommendations, Chernish SM; Maglinte DDT, Radiology 1990; **177:** 145

hormonal replacement therapy: mammographic manifestations, Berkowitz JE; Gatewood OMB; Goldblum LE; Gayler BW, Radiology 1990; **174:** 199

imaging findings in a patient with pentazocine-induced myopathy, De Schepper AMA; Degryse HRM, AJR 1990; **154:** 343

interactions between anticancer drugs and other clinically used pharmaceuticals: a review, Henriksson R; Grankvist K, Acta Oncol 1989; **28:** 451

intravenous erythromycin dramatically accelerates gastric emptying in gastroparesis diabeticorum and normals and abolishes the emptying discrimination between solids and liquids, Urbain JLC; Vantrappen G; Janssens J; et al, J Nucl Med 1990; **31:** 1490

lung disorders due to drug abuse, McCarroll KA; Roszler MH, J Thorac Imag 1991; **6-1:** 30

Merrill C. Sosman lecture: drugs, behavior, and brain chemistry, Wagner HN Jr, AJR 1990; **155:** 925

ocular effects of hyoscine-*n*-butylbromide ("Buscopan") in radiological practice, Sissons GRJ; McQueenie A; Mantle M, Br J Radiol 1991; **64:** 584

pathologic mechanisms of drug-induced lung disorders, Pietra GG, J Thorac Imag 1991; **6-1:** 1

plaque modification with tetracycline: enhanced tissue ablation with the excimer laser, Smith TP; Cragg AH; Landas SK; Berbaum KS, Radiology 1990; **174:** 1009

pulmonary edema in cocaine smokers, Hoffman CK; Goodman PC, Radiology 1989; **172:** 463

pulmonary infection after cardiac transplantation: clinical and radiologic correlations, Austin JHM; Schulman LL; Mastrobattista JD, Radiology 1989; **172:** 259

reducing doses of glucagon used in radiologic examinations, Jehenson PM, Radiology 1991; **179:** 286

reducing doses of glucagon used in radiologic examinations: reply, Chernish SM; Maglinte DDT, Radiology 1991; **179:** 286

vascular smooth muscle contraction and relaxation: pathways and chemical modulation, Consigny PM, JVIR 1991; **2:** 309

Drugs, toxicity

adult respiratory distress syndrome from overdose of tricyclic antidepressants, Varnell RM; Godwin JD; Richardson ML; Vincent JM, Radiology 1989; **170:** 667

cortical blindness during chemotherapy: clinical, CT, and MR correlations, Heran F; Defer G; Brugieres P; et al, JCAT 1990; **14:** 262

CT-pathology correlation of amiodarone lung, Ren H; Kuhlman JE; Hruban RH; et al, JCAT 1990; **14:** 760

drug-induced lesions of the musculoskeletal system, Lawson JP, Radiol Clin North Am 1990; **28:** 233

excellent anxiolytic effect achieved with low doses of Versed, Conrad MR, Radiology 1989; **170:** 579

gallium-67 imaging: chloroquine overdose, Havens PL; Sty JR; Wells RG, Clin Nucl Med 1989; **14:** 135

giant esophageal ulcer due to Clinoril, Levine MS; Rothstein RD; Laufer I, AJR 1991; **156:** 955

respiratory insufficiency following chloral hydrate sedation in two children with Leigh disease (subacute necrotizing encephalomyelopathy), Greenberg SB; Faerber EN, Pediatr Radiol 1990; **20:** 287

vascular leak syndrome associated with interleukin-2: chest radiographic manifestations, Mann H; Ward JH; Samlowski WE, Radiology 1990; **176:** 191

Dual-energy scanning and subtraction

See Subtraction, dual-energy

Dual-photon absorptiometry

See Bones, absorptiometry

Ductus arteriosus

abnormal renal and splanchnic arterial Doppler pattern in premature babies with symptomatic patent ductus arteriosus, Wong S-N; Lo RN-S; Hui P-W, J Ultrasound Med 1990; **9:** 125

asymmetrical pulmonary changes in premature infants with surgical closure of a persistent ductus arteriosus, Steinberg JDJ; Oetomo SB; Martijn A, Br J Radiol 1990; **63:** 22

imaging of patent ductus arteriosus by transesophageal color-coded Doppler echocardiography, Mügge A; Daniel WG; Lichtlen PR, JCU 1991; **19:** 128

new device for transcatheter closure of the patent ductus arteriosus: a feasibility study in dogs, Magal C; Wright KC; Duprat G Jr; et al, Invest Radiol 1989; **24:** 272

patent ductus arteriosus with Eisenmenger's syndrome detected by first-pass study, Kurata C; Sakata K; Taguchi T; et al, Clin Nucl Med 1989; **14:** 834

percutaneous catheter closure of the ductus arteriosus in children and young adults, (ab), Ali Khan MA; Mullins CE; Nihil MR; et al, Radiology 1990; **174:** 586

prenatal ultrasonographic appearance of "agenesis" of the ductus arteriosus and pulmonic valve hypoplasia: a case report and review of the embryogenesis, Persutte WH; Yeasting RA; Lenke RR; et al, J Ultrasound Med 1990; **9:** 541

transfemoral closure of patent ductus arteriosus: an alternative to surgery in older patients, Yamaguchi T; Fukuoka H; Yamamoto K; et al, Cardiovasc Intervent Radiol 1990; **13:** 291

Ductus venosus

calcification of the ductus venosus: a cause of right upper quadrant calcification in the newborn, Rizzo AJ; Haller JO; Mulvihill DM; Cohen HL; Da Silva MG, Radiology 1989; **173:** 89

is it calcification of the ductus venosus or calcification of the umbilical vein?, Lafortune M, Radiology 1990; **176:** 290

is it calcification of the ductus venosus or calcification of the ligamentum teres?, Abu-Yousef MM, Radiology 1990; **176:** 291

is it calcification of the ductus venosus or calcification of the ligamentum teres?: reply, Rizzo AJ; Haller JO, Radiology 1990; **176:** 291

Duodenal ulcer

See Peptic ulcer

Duodenitis

duodenitis: a reliable radiologic diagnosis?, Levine MS; Turner D; Ekberg O; et al, Gastrointest Radiol 1991; **16:** 99

Duodenum

See also Gastrointestinal tract; Intestines

coarse mucosal folds in the duodenum: a twenty-year follow-up, Clements R; Evans KT; Rhodes J, Clin Radiol 1990; **41:** 421

complete duodenogastric reflux: a scintigraphic sign of significant duodenal pathology, Drane WE; Hanner JS, J Nucl Med 1989; **30:** 1568

pylorus-preserving Whipple pancreaticoduodenectomy: postoperative evaluation, Trerotola SO; Jones B; Crist DW; Cameron JL, Radiology 1989; **171:** 735

Duodenum, abnormalities

duodenal duplication cyst with enteroliths: computed tomography and ultrasound diagnosis, Bar-Ziv J; Katz R; Nobel M; et al, Gastrointest Radiol 1989; **14:** 220

hyperplasia of Brunner glands: the spectrum of its radiographic manifestatins, Merine DS; Jones B; Ghahremani GG; et al, Gastrointest Radiol 1991; **16:** 104

nodular duodenum in chronic renal failure, Cassar-Pullicino VN; Davies AM; Hubscher S; et al, Clin Radiol 1990; **41:** 326

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

Duodenum, CT

computed tomography of duodenal diverticula, Stone EE; Brant WE; Smith GB, JCAT 1989; **13:** 61

CT diagnosis of perforated duodenal diverticulum, Goodman P; Raval B; Zimmerman G, Clin Imag 1989; **13:** 321

CT findings of perforated duodenal diverticulitis, Van Beers BE; Trigaux J-PP; De Ronde T; et al, JCAT 1989; **13:** 528

CT of the stomach and duodenum, Scatarige JC; DiSantis DJ, Radiol Clin North Am 1989; **27:** 687

CT signs of duodenal perforation secondary to blunt abdominal trauma, Hofer GA; Cohen AJ, JCAT 1989; **13:** 430

duodenal duplication cyst with enteroliths: computed tomography and ultrasound diagnosis, Bar-Ziv J; Katz R; Nobel M; et al, Gastrointest Radiol 1989; **14:** 220

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Duodenum, diverticula

case report: duodenal diverticula and jaundice: ultrasound can be misleading, Hasan AKH; Negrette JJ, Clin Radiol 1991; **44:** 128

computed tomography of duodenal diverticula, Stone EE; Brant WE; Smith GB, JCAT 1989; **13:** 61

CT diagnosis of perforated duodenal diverticulum, Goodman P; Raval B; Zimmerman G, Clin Imag 1989; **13:** 321

CT findings of perforated duodenal diverticulitis, Van Beers BE; Trigaux J-PP; De Ronde T; et al, JCAT 1989; **13:** 528

juxtapapillary duodenal diverticula, (ab), Løveit T; Skar V; Osnes M, Radiology 1989; **172:** 585

perforating duodenal diverticulitis, Pugash RA; O'Brien SE; Stevenson GW, Gastrointest Radiol 1990; **15:** 156

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Duodenum, hemorrhage

aortoenteric fistula manifested as an intramural duodenal hematoma, Zeppa MA; Forrest JV, AJR 1991; **157:** 47

duodenal hematoma: a mechanical cause for enterogastric reflux in cholescintigraphy, Mintz A; Rosenson A; Saltiel AA; et al, Clin Nucl Med 1991; **16:** 490

fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature, Sadry F; Hauser H, Gastrointest Radiol 1990; **15:** 296

massive intramural duodenal haematoma following blunt abdominal trauma: case report, Parker GD; Williams JAR, Australas Radiol 1989; **33:** 192

sonographic diagnosis of intramural duodenal hematoma, Hernanz-Schulman M; Genieser NB; Ambrosino MM, J Ultrasound Med 1989; **8:** 273

Duodenum, neoplasms

case of the season, Coombs RJ, Semin Roentgenol 1990; **25:** 127

diagnostic difficulties with duodenal malignancies revisited: a new strategy, Cwikiel W; Andrén-Sandberg A, Gastrointest Radiol 1991; **16:** 301

duodenal adenocarcinoma in Crohn's disease of the small bowel: a case report, Slezak P; Rubio C; Blomqvist L; et al, Gastrointest Radiol 1991; **16:** 15

duodenal villous tumors, (ab), Bjork KJ; Davis CJ; Nagorney DM; et al, Radiology 1991; **178:** 587

extreme diffuse adenomatous hyperplasia of Brunner's glands: case report, van Rooij WJJ; van der Horst JJ; Stuifbergen WNHM; et al, Gastrointest Radiol 1990; **15:** 285

leimyosarcoma of the duodenum, Kanematsu M; Imaeda T; Iinuma G; et al, Gastrointest Radiol 1991; **16:** 109

primary adenocarcinoma of the duodenal bulb: radiographic and pathologic findings in two cases, Barloon TJ; Lu CH; Honda H; et al, Gastrointest Radiol 1989; **14:** 223

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Zollinger-Ellison syndrome: prospective assessment of abdominal US in the localization of gastrinomas, London JF; Shawker TH; Doppman JL; Frucht HH; Vinayek R; Stark HA; Miller LS; Miller DL; Norton JA; Jensen RT; Gardner JD; Maton PN, Radiology 1991; **178:** 763

Duodenum, perforation

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CT findings of perforated duodenal diverticulitis, Van Beers BE; Trigaux J-PP; De Ronde T; et al, JCAT 1989; **13:** 528

CT signs of duodenal perforation secondary to blunt abdominal trauma, Hofer GA; Cohen AJ, JCAT 1989; **13:** 430

gastric pneumatosis: sign of biliary stent-related perforation, Lowe GM; Bernfield JB; Smith CS; Matalon TAS, Radiology 1990; **174:** 1037

perforating duodenal diverticulitis, Pugash RA; O'Brien SE; Stevenson GW, Gastrointest Radiol 1990; **15:** 156
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use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Op den Orth JO, Radiology 1989; **173:** 601

Duodenum, stenosis or obstruction
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Duodenum, US
duodenal duplication cyst with enteroliths: computed tomography and ultrasound diagnosis, Bar-Ziv J; Katz R; Nobel M; et al, Gastrointest Radiol 1989; **14:** 220
fluid-aided sonography of the stomach and duodenum in the diagnosis of peptic ulcer disease in adult patients, Joharjy IA; Mustafa MA; Zaidi AJ, J Ultrasound Med 1990; **9:** 77
sonographic appearance of a duodenal bulb lipoma with CT and MRI correlation, Malouf AJ; Patel RB, J Ultrasound Med 1991; **10:** 461
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ultrasonic features of duodenal ulcer, Tuncel E, Gastrointest Radiol 1990; **15:** 207
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auditory dysfunction caused by multiple sclerosis: detection with MR imaging, Curé JK; Cromwell LD; Case JL; et al, AJNR 1990; **11:** 817
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large vestibular aqueduct syndrome in children: a review of 12 cases and the description of a new clinical entity, (ab), Levenson MJ; Parisier SC; Jacobs M; et al, Radiology 1989; **173:** 295
Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Eich GF; Silver MM; Weksberg R; Daneman A; Costa T, Radiology 1991; **181:** 183
Michel dysplasia: common cavity inner ear deformity, Kavanagh KT; Magill HL, Pediatr Radiol 1989; **19:** 343
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Ear, anatomy
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otic capsule dysplasia: clinical and CT findings, Urman SM; Talbot JM, Radiographics 1990; **10:** 823
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Ear, diseases
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Ear, inflammation and infection
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computed tomography in malignant external otitis, Guy RL; Wylie E; Hickey SA; et al, Clin Radiol 1991; **43:** 166
early signs and symptoms of neurotologic complications of chronic suppurative otitis media, (ab), Schwaber MK; Pensak ML; Bartels LJ, Radiology 1990; **174:** 590
malignant external otitis in children, (ab), Rubin J; Yu VL; Stool SE, Radiology 1989; **172:** 591
malignant external otitis: utility of CT in diagnosis and follow-up, Rubin J; Curtin HD; Yu VL; Kamerer DB, Radiology 1990; **174:** 391

Ear, injuries
acquired disruptions of the incudostapedial articulation: diagnosis with CT, Swartz JD; Zwillenberg S; Berger AS, Radiology 1989; **171:** 779
intravascular therapeutic embolization for acute traumatic bleeding from the ear, Tsai FY; Shah DC; Alfieri K; et al, AJNR 1989; **10:** S40

Ear, MR
cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521
chronic inflammatory disease of the middle ear cavities: Gd-DTPA–enhanced MR imaging, Martin N; Sterkers O; Nahum H, Radiology 1990; **176:** 399
contrast enhancement of the labyrinth on MR scans in patients with sudden hearing loss and vertigo: evidence of labyrinthine disease, Seltzer S; Mark AS, AJNR 1991; **12:** 13
CT and MR imaging of intralabyrinthine schwannoma: report of two cases and review of the literature, Mafee MF; Lachenauer CS; Kumar A; Arnold PM; Buckingham RA; Valvassori GE, Radiology 1990; **174:** 395
dural tail adjacent to acoustic neuroma: MR features, Kutcher TJ; Brown DC; Maurer PK; et al, JCAT 1991; **15:** 669
Gd-DTPA–enhanced MR imaging of cochlear schwannoma, Brogan M; Chakeres DW, AJNR 1990; **11:** 407
glomus tumours of the ear: an imaging regime, Phelps PD, Clin Radiol 1990; **41:** 301
high-resolution 3DFT MR imaging of the endolymphatic duct and soft tissues of the otic capsule, Brogan M; Chakeres DW; Schmalbrock P, AJNR 1991; **12:** 1
metallic otologic implants: in vitro assessment of ferromagnetism at 1.5 T, Shellock FG; Schatz CJ, AJNR 1991; **12:** 279
middle ear cholesteatoma extending into the petrous apex: evaluation by CT and MR imaging, Ishii K; Takahashi S; Matsumoto K; et al, AJNR 1991; **12:** 719
MR cisternography of the cerebello-pontine angle and internal auditory canal in diagnosis of intracanalicular acoustic neuroma, Bassi P; Piazza P; Cusmano F; et al, Neuroradiol 1990; **31:** 486
MR findings in a patient with Ramsay-Hunt syndrome, Osumi A; Tien RD, JCAT 1990; **14:** 991
MRI of mastoid and middle ear disease, Holliday RA; Reede DL, Radiol Clin North Am 1989; **27:** 283
nonneoplastic enhancing lesions mimicking intracanalicular acoustic neuroma on gadolinium-enhanced MR images, Han MH; Jabour BA; Andrews JC; Canalis RF; Chen F-h; Anzai Y; Becker DP; Lufkin RB; Hanafee WN, Radiology 1991; **179:** 795
pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383
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volume growth rate of acoustic neuromas on MRI post-stereotactic radiosurgery, To SYC; Lufkin RB; Rand R; et al, Comput Med Imag Graph 1990; **14:** 53

Ear, neoplasms

cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521

CT and MR imaging of intralabyrinthine schwannoma: report of two cases and review of the literature, Mafee MF; Lachenauer CS; Kumar A; Arnold PM; Buckingham RA; Valvassori GE, Radiology 1990; **174:** 395

Gd-DTPA–enhanced MR imaging of cochlear schwannoma, Brogan M; Chakeres DW, AJNR 1990; **11:** 407

glomus tumours of the ear: an imaging regime, Phelps PD, Clin Radiol 1990; **41:** 301

multicystic acoustic neuroma: case report and differential diagnosis, Drapkin AJ; Rose WS, Acta Radiol 1989; **30:** 7

platinum chemotherapy, radiotherapy and the inner ear: implications for "standard" radiation portals, Kirkbride P; Plowman PN, Br J Radiol 1989; **62:** 457

pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383

Ramsay Hunt syndrome mimicking intracanalicular acoustic neuroma on contrast-enhanced MR, Anderson RE; Laskoff JM, AJNR 1990; **11:** 409

role of slice thickness in MR imaging of the internal auditory canal, Litt AW; Kondo N; Bannon KR; et al, JCAT 1990; **14:** 717

surfer's ear: exostoses of the external auditory canal, Turetsky DB; Vines FS; Clayman DA, AJNR 1990; **11:** 1217

treatment of tumours of the parotid gland and middle ear using obliquely reconstructed computed tomographic images, Sims C; Manifold IH; Conway J, Br J Radiol 1989; **62:** 785

volume growth rate of acoustic neuromas on MRI post-stereotactic radiosurgery, To SYC; Lufkin RB; Rand R; et al, Comput Med Imag Graph 1990; **14:** 53

Ear, prostheses

cortical activation in profoundly deaf patients during cochlear implant stimulation demonstrated by $H_2{}^{15}O$ PET, Herzog H; Lamprecht A; Kühn A; et al, JCAT 1991; **15:** 369

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Ear, therapeutic radiology

results of radiotherapy of cancer of the middle ear, Korzeniowski S; Pszon J, Int J Radiat Oncol Biol Phys 1990; **18:** 631

Ear, US

real-time B-scan ultrasound in middle ear assessment: a preliminary report, Alvord LS; Fine PG, J Ultrasound Med 1990; **9:** 91

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case report 616, von Sinner WN, Skeletal Radiol 1990; **19:** 312

case report 629, De Cristofaro R; Ruggieri P; Biagini R; et al, Skeletal Radiol 1990; **19:** 461

case report: hydatid cyst of the aorta, Hendaoui L; Siala M; Fourati A; et al, Clin Radiol 1991; **43:** 423

cerebral hydatid cysts: CT findings, Demir K; Karsli AF; Kaya T; et al, Neuroradiol 1991; **33:** 22

Echinococcus granulosus cysts in the liver: management with percutaneous drainage, Khuroo MS; Zargar SA; Mahajan R, Radiology 1991; **180:** 141

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hydatid disease: MR imaging study, Marani SAD; Canossi GC; Nicoli FA; Alberti GP; Monni SG; Casolo PM, Radiology 1990; **175:** 701

hydatid disease of the spleen: imaging findings in nine patients, Franquet T; Montes M; Lecumberri FJ; et al, AJR 1990; **154:** 525

iohexol CT ventriculogram of multiple cerebral hydatid cysts, Peker S; Celik H; Eryilmaz M; et al, AJNR 1991; **12:** 797

magnetic resonance imaging of thoracic hydatid disease: correlation with clinical findings, radiography, ultrasonography, CT and pathology, von Sinner WN; Rifai A; te Strake L; et al, Acta Radiol 1990; **31:** 59

mediastinal hydatid disease: report of three cases, von Sinner WN; Linjawi T; Al Watban J, J Canad Assoc Radiol 1990; **41:** 79

new diagnostic signs in hydatid disease: radiography, ultrasound, CT and MRI correlated to pathology, von Sinner WN, Eur J Radiol 1991; **12:** 150

orbital hydatid cyst: assessment of two cases, Alparslan L; Kanberoglu K; Peksayar G; et al, Neuroradiol 1990; **32:** 163

peritoneal *Echinococcus multilocularis* infection: CT appearance, Taneja K; Gothi R; Kumar K; et al, JCAT 1990; **14:** 493

primary spinal echinococcosis causing paraplegia: case report with MR and pathologic correlation, Jena A; Tripathi RP; Jain AK, AJNR 1991; **12:** 560

pulmonary hydatid seeding mimicking hematogenous metastases: sonographic diagnosis of hydatid rupture into the inferior vena cava, Segura JM; Conthe P; Martin R, JCU 1989; **17:** 112

radiographic and computed tomographic findings in hydatid disease of bone, Torricelli P; Martinelli C; Biagini R; et al, Skeletal Radiol 1990; **19:** 435

spinal intradural hydatid cyst in a child, Akhan O; Dinçer A; Saatçi I; et al, Br J Radiol 1991; **64:** 465

surgical treatment of hydatid cysts of the lung: report on 1055 patients, (ab), Dogan R; Yüksel M; Çetin G; et al, Radiology 1990; **174:** 586

thoracic hydatid cysts: a report of 842 cases treated over a thirty-year period, (ab), Qian Z, Radiology 1989; **171:** 882

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guidelines for percutaneous transluminal angioplasty, Standards of Practice Committee of the Society of Cardiovascular and InterventionalRadiology, Radiology 1990; **177:** 619

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*info*RAD: informatics in radiology: past and future, Staab EV, Radiographics 1991; **11:** 218

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*info*RAD: informatics in radiology. the 1990 pilot videodisc project, Staab EV, Radiographics 1991; **11:** 531

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joint course in emergency radiology for residents in radiology and in emergency medicine, Stubbs DM; Mundy WM, Invest Radiol 1990; **25:** 1261
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radiologic physics instruction for diagnostic radiologists: a survey of residency programs, Committee on Training of Radiologists American Associatio, AJR 1991; **157:** 409

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elimination of electrostatic discharges in automatic daylight film processor systems. a simple, cost-effective solution: technical note, Asp T; Göthlin JH, Eur J Radiol 1989; **9:** 142

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Elbow

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real-time digital contrast enhancement and magnification in the assessment of acute elbow injuries, Holland P; Davies AM; Morris E; et al, Br J Radiol 1991; **64:** 591

Elbow, MR

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invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, van Breda A, JVIR 1991; **2:** 357

invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, Castaneda-Zuniga WR, JVIR 1991; **2:** 357

mechanical clot dissolution: new concept, Bildsoe MC; Moradian GP; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **171:** 231

recanalization of total arterial occlusions with the Kensey dynamic angioplasty catheter, Wholey MH; Smith JAM; Godlewski P; Nagurka M, Radiology 1989; **172:** 95

Embolism, fat

brain microemboli during cardiac surgery or aortography, (ab), Moody DM; Bell MA; Challa VR; et al, JVIR 1991; **2:** 301

case report: cholesterol embolization following angiography, Henderson MJ; Manhire AR, Clin Radiol 1990; **42:** 281

magnetic resonance imaging of cerebral fat embolism, Kawano Y; Ochi M; Hayashi K; et al, Neuroradiol 1991; **33:** 72

post-traumatic fat embolism in the inferior vena cava, Liu P; Armstrong P; Skippen P, J Canad Assoc Radiol 1990; **41:** 303

Embolism, foreign body

acute limb ischemia due to arterial embolism of tumor, Ramchandani P; Morris MC; Zeit RM, Cardiovasc Intervent Radiol 1990; **13:** 372

bullet emboli to the systemic and venous circulation, (ab), Michelassi F; Pietrabissa A; Ferrari M; et al, Radiology 1990; **177:** 597

cerebral embolism after gunshot wounds, Hayes E; Ashenburg R; Phillips D, AJNR 1989; **10:** S77

cholesterol emboli after cardiac catheterization: eight cases and a review of the literature, (ab), Colt HG; Begg RJ; Saporito JJ; et al, Radiology 1989; **172:** 293

embolization of a rubber disc from a hemostasis valve: technical note, Schroeder J; Papachrysanthou C; Huhmann W, Cardiovasc Intervent Radiol 1991; **14:** 132

imaging diagnosis of portal tumor thrombus secondary to gastric cancer, Takayasu K; Tajiri H; Noguchi M; et al, Gastrointest Radiol 1989; **14:** 161

inferior vena cava tumor thrombus: demonstration by Gd-DTPA enhanced MR, Gehl H-B; Bohndorf K; Klose K-C, JCAT 1990; **14:** 479

peripheral vascular gunshot bullet embolus migration to the cerebral circulation: report and literature review, Dadsetan MR; Jinkins JR, Neuroradiol 1990; **32:** 516

tumor thrombus in the branches of the distal portal vein: CT demonstration, Imaeda T; Yamawaki Y; Hirota K; et al, JCAT 1989; **13:** 262

Embolism, gas

air embolism with survival in a neonate, Savani RC; Merten DF; Brazy JE, Pediatr Radiol 1990; **20:** 480

brain microemboli during cardiac surgery or aortography, (ab), Moody DM; Bell MA; Challa VR; et al, JVIR 1991; **2:** 301

cerebral air embolism, Iwami O; Kawamura J; Hashimoto S; et al, AJNR 1990; **11:** 1166

CT demonstration of massive cerebral air embolism from pulmonary barotrauma due to cardiopulmonary resuscitation, Yamaki T; Ando S; Ohta K; et al, JCAT 1989; **13:** 313

pulmonary air embolism: case report, Karr SB; Schwab FJ; Druy EM, Cardiovasc Intervent Radiol 1991; **14:** 250

systemic air embolism: a complication of ventilator therapy in hyaline membrane disease, Lau KY; Lam PKL, Clin Radiol 1991; **43:** 16

systemic gas embolism complicating mechanical ventilation in the adult respiratory distress syndrome, (ab), Marini JJ; Culver BH, Radiology 1990; **174:** 290

Embolism, oil

case of the month: a rare diversion?, Wardlow JM; Cruikshank JG, Br J Radiol 1989; **62:** 759

computed tomography of hepatic oil embolism following lymphangiography, Lorigan JG; Libshitz HI, Clin Radiol 1989; **40:** 259

hepatic oil embolism following lymphography: CT diagnosis, Delamarre J; Modaine P; Sevestre H; et al, JCAT 1991; **15:** 317

Embolism, pulmonary

another look at pulmonary embolism, Alderson PO, Radiology 1989; **172:** 313

case report: fatal pulmonary embolism due to osteogenic sarcoma in a child, Booth AJ; Tweed CS, Clin Radiol 1989; **40:** 533

caudal migration of the Günther vena caval filter, Schneider P-A; Parmeggiani L; Piguet J-C; Bounameaux H, Radiology 1989; **173:** 465

chronic multiple pulmonary emboli: regional response of the bronchial circulation, Sherrier RH; Chiles C; Newman GE, Invest Radiol 1989; **24:** 437

cine-gradient-refocused MR imaging of central pulmonary emboli, Posteraro RH; Sostman HD; Spritzer CE; et al, AJR 1989; **152:** 465

clinical and noninvasive assessment of venous disease as related to pulmonary embolism, Barnes RW; Nix ML, J Thorac Imag 1989; **4-4:** 8

clinical validity of normal perfusion lung scan in patients with suspected pulmonary embolism, (ab), Hull RD; Raskob GE; Coates G; et al, Radiology 1990; **176:** 294

clover leaf inferior vena cava filter: in vitro evaluation of filter deployment and comparison of emboli-capturing ability, Palestrant AM; Faykus MH Jr, JVIR 1991; **2:** 117

comparison of Biello, McNeil and PIOPED criteria for the diagnosis of pulmonary emboli on lung scans, Webber MM; Gomes AS; Roe D; et al, AJR 1990; **154:** 975

comparison of scintigraphic diagnostic criteria in suspected pulmonary embolism, Woods ER; Iles S; Jackson S, J Canad Assoc Radiol 1989; **40:** 194

computed tomography and magnetic resonance imaging in the diagnosis of pulmonary thromboembolic disease, Shah HR; Buckner CB; Purnell GL; et al, J Thorac Imag 1989; **4-4:** 58

computed tomography in massive pulmonary embolism, Kalebo P; Wallin J, Acta Radiol 1989; **30:** 105

deep venous thrombosis and pulmonary emboli: etiology, medical treatment, and prophylaxis, Coffman JD, J Thorac Imag 1989; **4-4:** 4

diagnosing pulmonary embolism: new facts and strategies, (ab), Kelley MA; Carson JL; Palevsky HI; et al, Radiology 1991; **180:** 887

echocardiographic diagnosis of massive pulmonary embolism, Weston MJ; Wilde P, Br J Radiol 1989; **62:** 751

evaluation of preoperative and postoperative ventilation and pefusion lung scintigraphy in the screening for pulmonary embolism after elective orthopedic surgery, Keenan AM; Palevsky HI; Steinberg ME; et al, Clin Nucl Med 1991; **16:** 13

evaluation of $^{99}Tc^{m}$ Technegas ventilation scintigraphy in the diagnosis of pulmonary embolism, James JM; Herman KJ; Lloyd JJ; et al, Br J Radiol 1991; **64:** 711

experience with the Amplatz retrievable vena cava filter, Epstein DH; Darcy MD; Hunter DW; Coleman CC; Tadavarthy SM; Murray PD; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **172:** 105

general case of the day, annual meeting, 1988, VanZandt TF; Tersegno MM, Radiographics 1989; **9:** 355

Greenfield filter as primary therapy for deep venous thrombosis and/or pulmonary embolism in patients with cancer, (ab), Cohen JR; Tenenbaum N; Citron M, JVIR 1991; **2:** 288

Greenfield filter as primary therapy for deep venous thrombosis and/or pulmonary embolism in patients with cancer, (ab), Cohen JR; Tenenbaum N; Citron M, Radiology 1991; **179:** 886

improved radiolabeling technique of Ivalon and its use for dynamic monitoring of complications during therapeutic transcatheter embolization, Sirr SA; Johnson TK; Stuart DD; et al, J Nucl Med 1989; **30:** 1399

inadvertent bucrylate pulmonary embolization: a case report, Takasugi JE; Shaw C, J Thorac Imag 1989; **4-4:** 71

incidence of pulmonary embolism in elderly patients newly admitted to an acute geriatric unit: a prospective study, Impallomeni MG; Arnot RN; Alexander MSM; et al, Clin Nucl Med 1990; **15:** 84

interventions in pulmonary embolism, McCowan TC; Eidt JF; Ferris EJ, J Thorac Imag 1989; **4-4:** 67

intravenous digital subtraction angiography and lung imaging: compared value in the diagnosis of pulmonary embolism, Rosso J; Musset D; Petitpretz P; et al, Clin Nucl Med 1989; **14:** 183

Klippel-Trenaunay-Weber syndrome with recurrent pulmonary embolism, Mikula N Jr; Gupta SM; Miller M; et al, Clin Nucl Med 1991; **16:** 253

LGM vena cava filter: objective evaluation of early results, Murphy TP; Dorfman GS; Yedlicka JW; McCowan TC; Vogelzang RL; Hunter DW; Carver DK; Pinsk R; Castaneda-Zuniga W; Ferris EJ; Amplatz K, JVIR 1991; **2:** 107

localization and visualization of pulmonary emboli with radiolabeled fibrin-specific monoclonal antibody, Kanke M; Matsueda GR; Strauss HW; et al, J Nucl Med 1991; **32:** 1254

lung scintigraphy—doubt and certainty in the diagnosis of pulmonary embolism, Robinson PJ, Clin Radiol 1989; **40:** 557

need for oblique or lateral ventilation images in the diagnosis of pulmonary embolism, Blue PW; Fortenbery EJ, Clin Nucl Med 1990; **15:** 917

new device for percutaneous fragmentation of pulmonary emboli, Schmitz-Rode T; Günther RW, Radiology 1991; **180:** 135

N-isopropyl-p-[I-123]iodoamphetamine lung imaging in a patient with chronic pulmonary thromboembolism, Kosuda S; Kawahara S; Tamura K; et al, Clin Nucl Med 1990; **14:** 756

outcome analysis of patients with normal compression US examinations, Vaccaro JP; Cronan JJ; Dorfman GS, Radiology 1990; **175:** 645

percutaneous inferior vena caval filters, Dorfman GS, Radiology 1990; **174:** 987

physician practices in the treatment of pulmonary embolism and deep venous thrombosis, (ab), Wheeler AP; Jaquiss RDB; Newman JH, Radiology 1989; **170:** 291

pleuroperitoneal communication associated with malignant ascites: a potential cause for new pleural effusion suggestive of pulmonary embolism, Jacobson AF; Cerqueira MD; Breitz HB; et al, Clin Nucl Med 1990; **15:** 317

prevalence of local venous thrombosis after transfemoral placement of a bird's nest vena caval filter, Hicks ME; Middleton WD; Picus D; Darcy MD; Kleinhoffer MA, JVIR 1990; **1:** 63

pulmonary air embolism: case report, Karr SB; Schwab FJ; Druy EM, Cardiovasc Intervent Radiol 1991; **14:** 250

pulmonary angiography in pulmonary embolic disease, Newman GE, J Thorac Imag 1989; **4-4:** 28

pulmonary embolectomy: a 20-year experience at one center, (ab), Meyer G; Tamisier D; Sors H; et al, Radiology 1991; **181:** 612

pulmonary emboli as a primary manifestation of Wilms tumor, Bulas DI; Thompson R; Reaman G, AJR 1991; **156:** 155

pulmonary embolism after hip or knee replacement: postoperative changes on pulmonary scintigrams in asymptomatic patients, Foley M; Maslack MM; Rothman RH; Casey MP; Lugano EM; Parry CE; Balderston RA; Booth RE Jr, Radiology 1989; **172:** 481

pulmonary embolism: an internist's perspective, Nicholson D, J Thorac Imag 1989; **4-4:** 20

pulmonary embolism as an indicator of occult malignancy, Patel N; Krasnow AZ; Collier BD; et al, Clin Nucl Med 1990; **15:** 841

pulmonary embolism: chest radiographic abnormalities, Buckner CB; Walker CW; Purnell GL, J Thorac Imag 1989; **4-4:** 23

pulmonary embolism during venography: report of a rare complication, Montgomery S, Cardiovasc Intervent Radiol 1989; **12:** 196

pulmonary embolism: segmental appearance of perfusion lung scan defects correlates with successful response to thrombolytic therapy, Parker JA; Nagel JS; Drum DE; Tumeh SS; Goldhaber SZ, Radiology 1990; **174:** 483

pulmonary embolus as a complication of therapeutic peripheral arteriovenous malformation embolization, McCarthy P; Kennedy A; Dawson P; et al, Br J Radiol 1991; **64:** 177

pulmonary hypertension secondary to chronic thromboembolism, Alavi A; Palevsky HI; Weiss DW, J Nucl Med 1990; **31:** 1

pulmonary needle embolism from intravenous drug abuse, Hart BL; Newell JD II; Davis M, J Canad Assoc Radiol 1989; **40:** 326

pulmonary nuclear medicine evaluation of thromboembolic disease, Hanson MW; Coleman RE, J Thorac Imag 1989; **4-4:** 40

pulmonary septic emboli: diagnosis with CT, Kuhlman JE; Fishman EK; Teigen C, Radiology 1990; **174:** 211

pulmonary thromboembolism: a historical perspective, Newman GE, J Thorac Imag 1989; **4-4:** 1

pulmonary thromboembolism following angioplasty for membranous occlusion of the vena cava: case report, Nagata Y; Kumada K; Yamada R; et al, Cardiovasc Intervent Radiol 1989; **12:** 304

rapid resolution of pulmonary embolism by tissue plasminogen activator, Intenzo CM; Park CH; Kim SM, Clin Nucl Med 1989; **14:** 801

reperfusion pulmonary edema after thrombolytic therapy of massive pulmonary embolism, (ab), Ward BJ; Pearse DB, Radiology 1989; **172:** 291

septic pulmonary emboli: CT-radiographic correlation, Huang R-M; Naidich DP; Lubat E; et al, AJR 1989; **153:** 41

sequential ventilation/perfusion imaging of massive pulmonary embolism treated with recombinant tissue plasminogen activator, Petronis J, Clin Nucl Med 1990; **15:** 150

Simon nitinol inferior vena cava filter: initial clinical experience. work in progress, Simon M; Athanasoulis CA; Kim D; Steinberg FL; Porter DH; Byse BH; Kleshinski S; Geller S; Orron DE; Waltman AC, Radiology 1989; **172:** 99

Simon nitinol vena cava filter: preliminary observations and suggested procedural modifications, Kastan DJ; Forcier NJ; Kahn ML; JVIR 1991; **2:** 123

single perfusion defect and pulmonary embolism: angiographic correlation, Catania TA; Caride VJ, J Nucl Med 1990; **31:** 296

spontaneous disruption of two Greenfield vena caval filters, Lang W; Schweiger H; Fietkau R; Hofmann-Preiss K, Radiology 1990; **174:** 445

spurious recurrence of pulmonary embolism after streptokinase therapy, Stewart CA; Hung G-L; Woodworth C, Clin Nucl Med 1991; **16:** 49

survey on the use of pulmonary scintigraphy and angiography for suspected pulmonary thromboembolism in the UK, Cooper TJ; Hayward MWJ; Hartog M, Clin Radiol 1991; **43:** 243

thrombus-trapping efficiency of the Greenfield filter in vivo, Thompson BH; Cragg AH; Smith TP; Bareniewski H; Barnhart WH; De Jong SC, Radiology 1989; **172:** 979

unexpected prevalence of silent pulmonary embolism in patients with deep venous thrombosis, (ab), Huisman MV; Büller HR; ten Cate JW; et al, Radiology 1989; **173:** 591

unusual case of pulmonary emboli, LaManna MM; Burke G; Flicker S; et al, J Thorac Imag 1990; **5-2:** 81

upper-extremity deep venous thrombosis and pulmonary embolism: a prospective study, (ab), Monreal M; Lafoz E; Ruiz J; et al, JVIR 1991; **2:** 412

use of external jugular vein as a route for percutaneous inferior vena caval filter placement, McCowan TC; Ferris EJ; Carver DK; Harshfield DL, Radiology 1990; **176:** 527

utility of Tc-99m DTPA aerosol inhalation scans following perfusion lung scans in the diagnosis of pulmonary embolism, Selby JB Sr; Callcott F; Gordon L; et al, Clin Nucl Med 1990; **15:** 143

value of diagnostic tests for deep venous thrombosis: a decision analysis model, Venta LA; Venta ER; Mumford LM, Radiology 1990; **174:** 433

value of the ventilation/perfusion scan in acute pulmonary embolism: results of the prospective investigation of pulmonary embolism diagnosis (PIOPED), (ab), PIOPED Investigators, Radiology 1990; **177:** 596

zones of increased perfusion (hot spots) on perfusion lung scans: correlation with pulmonary arteriograms, Meignan M; Palmer EL; Waltman AC; Strauss HW, Radiology 1989; **173:** 47

zones of increased perfusion (hot spots) on perfusion lung scans, Massoud TF, Radiology 1990; **175:** 286

zones of increased perfusion (hot spots) on perfusion lung scans: reply, Strauss HW, Radiology 1990; **175:** 286

Embolism, therapeutic

See Arteries, therapeutic blockade; Veins, therapeutic blockade

Emergency medical service system

accident and emergency reporting in UK teaching departments, Beggs I; Davidson JK, Clin Radiol 1990; **41:** 264

current status of faculty staffing and resident training in emergency radiology: results of a survey, Klein A; Carson GC; Novelline RA; et al, Invest Radiol 1991; **26:** 86

impact of the M1 air crash on the radiological services at the Queen's Medical Centre, Nottingham, McConachie NS; Wilson FMA; Preston BJ; et al, Clin Radiol 1990; **42:** 317

improving accident and emergency radiology, Fielding JA, Clin Radiol 1990; **41:** 149

Emission CT

20-[^{18}F]fluoromibolerone, a positron-emitting radiotracer for androgen receptors: synthesis and tissue distribution studies, Liu A; Katzenellenbogen JA; VanBrocklin HF; et al, J Nucl Med 1991; **32:** 81

3D PET using a conventional multislice tomograph without septa, Cherry SR; Dahlbom M; Hoffman EJ, JCAT 1991; **15:** 655

accurate three-dimensional registration of CT, PET, and/or MR images of the brain, Pelizzari CA; Chen GTY; Spelbring DR; et al, JCAT 1989; **13:** 20

advances in cardiac imaging modalities: fast computed tomography, magnetic resonance imaging, and positron emission tomography, Caputo GR; Higgins CB, Invest Radiol 1990; **25:** 838

Alzheimer disease: quantitative analysis of I-123–iodoamphetamine SPECT brain imaging, Hellman RS; Tikofsky RS; Collier BD; Hoffmann RG; Palmer DW; Glatt SL; Antuono PG; Isitman AT; Papke RA, Radiology 1989; **172:** 183

Alzheimer's disease: age at onset and single-photon emission computed tomographic patterns of regional cerebral blood flow, (ab), Jagust WJ; Reed BR; Seab JP; et al, Radiology 1991; **178:** 900

Alzheimer's disease in Down's syndrome with SPECT, Rae-Grant AD; Barbour PJ; Sirotta P; et al, Clin Nucl Med 1991; **16:** 509

analysis of the arterial input curve for technetium-99m-HMPAO: quantification of rCBF using single-photon emission computed tomography, Pupi A; De Cristofaro MTR; Bacciottini L; et al, J Nucl Med 1991; **32:** 1501

anatomical localization for PET using MR imaging, Meltzer CC; Bryan RN; Holcomb HH; et al, JCAT 1990; **14:** 418

application of a masked orbiting transmission source for attenuation correction in PET, Ranger NT; Thompson CJ; Evans AC, J Nucl Med 1989; **30:** 1056

applications of PET in clinical oncology, Strauss LG; Conti PS, J Nucl Med 1991; **32:** 623

assessment of myocardial oxidative metabolic reserve with positron emission tomography and carbon-11 acetate, Henes CG; Bergmann SR; Walsh MN; et al, J Nucl Med 1989; **30:** 1489

assessment of myocardial viability with SPECT and PET imaging, Cerqueira MD; Jacobson AF, AJR 1989; **153:** 477

assessment of response to cancer therapy using fluorine-18-fluorodeoxyglucose and positron emission tomography, Ichiya Y; Kuwabara Y; Otsuka M; et al, J Nucl Med 1991; **32:** 1655

assessment of systolic thickening with thallium-201 ECG-gated single-photon emission computed tomography: a parameter for local left ventricular function, Mochizuki T; Murase K; Fujiwara Y; et al, J Nucl Med 1991; **32:** 1496

attenuation and scatter correction in SPECT for sources in a nonhomogeneous object: a Monte Carlo study, Ljungberg M; Strand S-E, J Nucl Med 1991; **32:** 1278

attenuation correction in SPECT based on transmission studies and Monte Carlo simulations of build-up functions, Ljungberg M; Strand S-E, J Nucl Med 1990; **31:** 493

automated quantitation of three-dimensional cardiac positron emission tomography for routine clinical use, Hicks K; Ganti G; Mullani N; et al, J Nucl Med 1989; **30:** 1787

automated surface interpolation technique for 3-D object reconstruction from serial cross sections, Chen S-Y; Lin W-C; Chen C-T, Comput Med Imag Graph 1991; **15:** 265

bilateral pedicle stress fractures: SPECT and CT features, Traughber PD; Havlina JM Jr, JCAT 1991; **15:** 338

biodistribution, dosimetry, and clinical evaluation of technetium-99m ethyl cysteinate dimer in normal subjects and in patients with chronic cerebral infarction, Holman BL; Hellman RS; Goldsmith SJ; et al, J Nucl Med 1989; **30:** 1018

bone scan: a useful test for evaluating patients with low back pain, Collier BD; Kir KM; Mills BJA; et al, Skeletal Radiol 1990; **19:** 267

bone SPECT and three-dimensional surface display with Tc-99m MDP in ameloblastoma, Ishimura J; Fukuchi M, Clin Nucl Med 1990; **15:** 844

bone SPECT in patients with persistent back pain after lumbar spine surgery, Lusins JO; Danielski EF; Goldsmith SJ, J Nucl Med 1989; **30:** 490

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

brain perfusion SPECT in a cerebellar infarction, Moriarty JA; Carvalho PdA; Holman BL, JCAT 1990; **14:** 821

brain perfusion SPECT using an annular single crystal camera: initial clinical experience, Holman BL; Carvalho PA; Zimmerman RE; et al, J Nucl Med 1990; **31:** 1456

brain single photon emission computed tomography in neonates, Denays R; Van Pachterbeke T; Tondeur M; et al, J Nucl Med 1989; **30:** 1337

brain single photon emission computed tomography: newer activation and intervention studies, Tikofsky RS; Hellman RS, Semin Nucl Med 1991; **21:** 40

brain SPECT imaging in temporal lobe epilepsy, Krausz Y; Cohen D; Konstantini S; et al, Neuroradiol 1991; **33:** 274

brain SPECT imaging with Tc-99m HM-PAO in Creutzfeld-Jakob disease, Cohen D; Krausz Y; Lossos A; et al, Clin Nucl Med 1989; **14:** 808

brain structure localization in positron emission tomography: comparison of magnetic resonance imaging and a stereotactic method, Mountz JM; Wilson MW, Comput Med Imag Graph 1991; **15:** 17

brief inhalation method to measure cerebral oxygen extraction fraction with PET: accuracy determination under pathologic conditions, Altman DI; Lich LL; Powers WJ, J Nucl Med 1991; **32:** 1738

cardiac beta-adrenergic receptor density measured in vivo using PET, CGP 12177, and a new graphical method, Delforge J; Syrota A; Lançon J-P; et al, J Nucl Med 1991; **32:** 739

cardiac positron emission tomography: the foundations and clinical applications, Chan SY; Brunken RC; Buxton DB, J Thorac Imag 1990; **5-3:** 9

cardiac sarcoidosis demonstrated by Tl-201 and Ga-67 SPECT imaging, Taki J; Nakajima K; Bunko H; et al, Clin Nucl Med 1990; **15:** 636

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral circulation in cases of carotid cavernous fistula: findings of single photon emission computed tomography, Watanabe A; Ishii R; Suzuki Y; et al, Neuroradiol 1990; **32:** 108

cerebral hypoxic injury detected by Tc-HMPAO SPECT, Lee A; Mena IG; Miller B, Clin Nucl Med 1989; **14:** 482

cerebral infarction: diagnosis and assessment of prognosis by using ^{123}IMP-SPECT and CT, Hayman LA; Taber KH; Jhingran SG; et al, AJNR 1989; **10:** 557

cerebral metabolism of L-[2-^{18}F]fluorotyrosine, a new PET tracer of protein synthesis, Coenen HH; Kling P; Stöcklin G, J Nucl Med 1989; **30:** 1367

cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P, Radiology 1990; **175:** 111

cerebral perfusion imaging with technetium-99m HMPAO following cerebral trauma: initial experience, Reid RH; Gulenchyn KY; Ballinger JR; et al, Clin Nucl Med 1990; **15:** 383

change of accumulation and filling pattern in evolution of cerebral infarction with I-123 IMP brain SPECT, Hayashida K; Nishimura T; Imakita S; et al, Neuroradiol 1991; 33: 9

changes in quantitative SPECT thallium-201 results associated with the use of energy-weighted acquisition, Floyd JL; Mann RB; Shaw A, J Nucl Med 1991; 32: 805

characterization of IBF as a new selective dopamine D-2 receptor imaging agent, Kung M-P; Kung HF; Billings J; et al, J Nucl Med 1990; 31: 648

clinical application of PET for the evaluation of brain tumors, Coleman RE; Hoffman JM; Hanson MW; et al, J Nucl Med 1991; 32: 616

clinical application of SPECT in adrenal imaging with iodine-131 6β-iodomethyl-19-norcholesterol, Ishimura J; Kawanaka M; Fukuchi M, Clin Nucl Med 1989; 14: 278

clinical cardiac PET using generator-produced Rb-82: a review, Gould KL, Cardiovasc Intervent Radiol 1989; 12: 245

clinical evaluation of a high-resolution (2.6-mm) positron emission tomograph, Valk PE; Jagust WJ; Derenzo SE; Huesman RH; Geyer AB; Budinger TF, Radiology 1990; 176: 783

clinical PET: its time has come, Wagner HN Jr, J Nucl Med 1991; 32: 561

clinical role of metabolic imaging of the heart by positron emission tomography, Schwaiger M; Hicks R, J Nucl Med 1991; 32: 565

clinical SPRINT imaging: preliminary results compared to conventional SPECT brain scanning using Tc-99m HMPAO, Mountz JM; Rogers WL; Wilson MW; et al, Clin Nucl Med 1991; 16: 562

clinical study of radioisotope clearance from the cerebrospinal fluid space using single photon emission computed tomography, Kuchiwaki H; Nagasaka M; Takada S; et al, Neuroradiol 1989; 31: 226

clinical value of PET with ^{18}F-fluorodeoxyglucose and L-methyl-^{11}C-methionine for diagnosis of recurrent brain tumor and radiation injury, Ogawa T; Kanno I; Shishido F; et al, Acta Radiol 1991; 32: 197

coexistence of Alzheimer's disease and multi-infarct dementia diagnosed by functional brain imaging with SPECT, Timmons JH; Heironimus JD, Clin Nucl Med 1990; 15: 266

collimator angulation error and its effect on SPECT, Malmin RE; Stanley PC; Guth WR, J Nucl Med 1990; 31: 655

combined exercise radionuclide angiocardiography and single photon emission computed tomography perfusion studies for assessment of coronary artery disease, Borges-Neto S; Coleman RE; Potts JM; et al, Semin Nucl Med 1991; 21: 223

combined tissue oxygen tension measurement and positron emission tomography studies on glucose utilization in oncogene-transformed cell line tumour xenografts in nude mice, Kallinowski F; Brownell A-L; Vaupel P; et al, Br J Radiol 1991; 64: 350

comparative study of regional cerebral blood flow images by SPECT using xenon-133, iodine-123 IMP, and technetium-99m HM-PAO, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; 30: 157

comparison between 180° and 360° data collection in technetium-99m MIBI SPECT of the myocardium, Maublant JC; Peycelon P; Kwiatkowski F; et al, J Nucl Med 1989; 30: 295

comparison of CT, MR, and PET in Alzheimer's dementia and normal aging, Fazekas F; Alavi A; Chawluk JB; et al, J Nucl Med 1989; 30: 1607

comparison of In-111 granulocytes and Tc-99m albumin colloid for bone marrow scintigraphy by the use of quantitative SPECT imaging, Axelsson B; Kalin B; Von Krusenstierna S; et al, Clin Nucl Med 1990; 15: 473

complementary roles of PET and MR spectroscopy in the management of brain tumors, Alavi A; Alavi JB; Lenkinski RE, Radiology 1990; 177: 617

complex partial epilepsy: the role of neuroimaging in localizing a seizure focus for surgical intervention, Gzesh D; Goldstein S, J Nucl Med 1990; 31: 1839

composite SPECT-CT images: technique and potential applications in chest and abdominal imaging, Kaplan IL; Swayne LC, AJR 1989; 152: 865

computerized brain atlas: construction, anatomical content, and some applications, Greitz T; Bohm C; Holte S; et al, JCAT 1991; 15: 26

continuous-slice PENN-PET: a positron tomograph with volume imaging capability, Karp JS; Muehllehner G; Mankoff DA; et al, J Nucl Med 1990; 31: 617

control of patient positioning for fast neutron therapy using positron emission tomography, Vynckier S; Vanneste F; Richard F; et al, Br J Radiol 1989; 62: 1031

coronary angiography and thallium-201 single photon emission computed tomography in single vessel coronary artery disease, Svane B; Bone D; Holmgren A, Acta Radiol 1990; 31: 237

correction of nonuniform attenuation in cardiac SPECT imaging, Tsui BMW; Gullberg GT; Edgerton ER; et al, J Nucl Med 1989; 30: 497

correction of PET data for partial volume effects in human cerebral cortex by MR imaging, Meltzer CC; Leal JP; Mayberg HS; et al, JCAT 1990; 14: 561

"CORT-EX:" a program for quantitative analysis of brain SPECT data, Lamoureux G; Dupont RM; Ashburn WL; et al, J Nucl Med 1990; 31: 1862

cortical activation in profoundly deaf patients during cochlear implant stimulation demonstrated by $H_2^{15}O$ PET, Herzog H; Lamprecht A; Kühn A; et al, JCAT 1991; 15: 369

critical cerebral blood flow thresholds studied by SPECT using xenon-133 and iodine-123 iodoamphetamine, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; 30: 337

CT-SPECT fusion to correlate radiolabeled monoclonal antibody uptake with abdominal CT findings, Kramer EL; Noz ME; Sanger JJ; Megibow AJ; Maguire GQ, Radiology 1989; 172: 861

current and future radiopharmaceuticals for brain imaging with single photon emission computed tomography, Kung HF; Ohmomo Y; Kung M-P, Semin Nucl Med 1990; 20: 290

D_2-dopamine receptor specific brain uptake of carbon-11-labeled YM-09151-2, Hatano K; Ishiwata K; Kawashima K; et al, J Nucl Med 1989; 30: 515

definitive diagnosis of hepatic hemangiomas: MR imaging versus Tc-99m-labeled red blood cell SPECT, Birnbaum BA; Weinreb JC; Megibow AJ; Sanger JJ; Lubat E; Kanamuller H; Noz ME; Bosniak MA, Radiology 1990; 176: 95

design and performance of POSICAM 6.5 BGO positron camera, Mullani NA; Gould KL; Hartz RK; et al, J Nucl Med 1990; 31: 610

design and use of PET tomographs: the effect of slice spacing, Miller TR; Wallis JW; Grothe RA Jr, J Nucl Med 1990; 31: 1732

detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J, Radiology 1989; 170: 545

detection of focal nodular hyperplasia with liver colloid single photon emission computed tomography: a case report and review of the literature, Aktolun C; Bayhan H, Br J Radiol 1991; 64: 64

detection of left atrial myxoma with SPECT cardiac imaging, McLaughlin MG; Swayne LC; Mangiola S, Clin Nucl Med 1989; 14: 101

detection of myocardial viability with positron emission tomography in a patient with ischemic cardiomyopathy, Weiss D; Eisen HJ; Alavi A, J Nucl Med 1991; 32: 130

differential diagnosis of bilateral parietal abnormalities in I-123 IMP SPECT imaging, Kuwabara Y; Ichiya Y; Otsuka M; et al, Clin Nucl Med 1990; 15: 893

does the washout phenomenon of Tc-99m HM-PAO correlate to the "filling-in" phenomenon of I-123 IMP with brain SPECT?, Hayashida K; Nishimura T; Imakita S; et al, Neuroradiol 1990; 32: 196

dosimetric estimates for clinical positron emission tomographic scanning after injection of [^{18}F]-6-fluorodopamine, Goldstein DS; Chang PC; Smith CB; et al, J Nucl Med 1991; 32: 102

dynamic acquisition with a three-headed SPECT system: application to technetum 99m-SQ30217 myocardial imaging, Nakajima K; Taki J; Bunko H; et al, J Nucl Med 1991; 32: 1273

dynamic SPECT with technetium-99m HM-PAO in meningiomas—a comparison with iodine-123 IMP, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; 30: 1101

economic analysis of clinical positron emission tomography of the heart with rubidium-82, Gould KL; Goldstein RA; Mullani NA, J Nucl Med 1989; 30: 707

effect of acetazolamide on regional cerebral blood flow in patients with Alzheimer's disease or stroke as measured by single-photon emission computed tomography, Bonte FJ; Devous MD Sr; Reisch JS; et al, Invest Radiol 1989; 24: 99

effect of metabolic milieu on cardiac PET imaging using fluorine-18-deoxyglucose and nitrogen-13-ammonia in normal volunteers, Berry JJ; Baker JA; Pieper KS; et al, J Nucl Med 1991; 32: 1518

effect of selecting a fixed dephosphorylation rate on the estimation of rate constants and rCMRGlu from dynamic [^{18}F] fluorodeoxyglucose/PET data, Dhawan V; Moeller JR; Strother SC; et al, J Nucl Med 1989; 30: 1483

effect of spatial resolution on SPECT quantification values, Kojima A; Matsumoto M; Takahashi M; et al, J Nucl Med 1989; 30: 508

enhanced sensitivity and specificity of thallium-201 imaging for the detection of regional ischemic coronary disease by combining SPECT with "bull's eye" analysis, Kasabali B; Woodard ML; Bekerman C; et al, Clin Nucl Med 1989; 14: 484

epilepsy, Fisher RS; Frost JJ, J Nucl Med 1991; 32: 651

estimation of absorbed doses in humans due to intravenous administration of fluorine-18-fluorodeoxyglucose in PET studies, Mejia AA; Nakamura T; Masatoshi I; et al, J Nucl Med 1991; 32: 699

evaluation of a potential generator-produced PET tracer for cerebral perfusion imaging: single-pass cerebral extraction measurements and imaging with radiolabeled Cu-PTSM, Mathias CJ; Welch MJ; Raichle ME; et al, J Nucl Med 1990; 31: 351

evaluation of elastic matching system for anatomic (CT, MR) and functional (PET) cerebral images, Dann R; Hoford J; Kovačič S; et al, JCAT 1989; 13: 603

evaluation of right ventricular regional perfusion with technetium-99m-sestamibi SPECT, DePuey EG; Jones ME; Garcia EV, J Nucl Med 1991; 32: 1199

evaluation of techniques for the elimination of "hot" bladder artifacts in SPECT of the pelvis, O'Connor MK; Kelly BJ, J Nucl Med 1990; 31: 1872

experimental test-object study of electronically collimated SPECT, Singh M; Brechner RR, J Nucl Med 1990; 31: 178

filling out phenomenon with technetium-99m HM-PAO brain SPECT at the site of mild cerebral ischemia, Hayashida K; Nishimura T; Imakita S; et al, J Nucl Med 1989; 30: 591

focal fatty infiltration of the liver: evaluation by planar and SPECT images, Schauwecker DS; Wass JL, Clin Nucl Med 1991; 16: 449

functional brain imaging in the evaluation of psychiatric illness, Van Heertum RL; O'Connell RA, Semin Nucl Med 1991; 21: 24

functional imaging of brain maturation in humans using iodine-123 iodoamphetamine and SPECT, Rubinstein M; Denays R; Ham HR; et al, J Nucl Med 1989; 30: 1982

Ga-67 SPECT before and after treatment of lymphoma, Front D; Israel O; Epelbaum R; Haim SB; Sapir EE; Jerushalmi J; Kolodny GM; Robinson E, Radiology 1990; 175: 515

gallium SPECT detection of neoplastic intravascular obstruction of the superior vena cava, Swayne LC; Kaplan IL, Clin Nucl Med 1989; 14: 823

gated blood pool tomography: a technology whose time has come, Fischman AJ; Moore RH; Gill JB; et al, Semin Nucl Med 1989; **19:** 13

glucose uptake, perfusion, and cell proliferation in head and neck tumors: relation of positron emission tomography to flow cytometry, Haberkorn U; Strauss LG; Reisser C; et al, J Nucl Med 1991; **32:** 1548

glycolysis: link between PET and proton MR spectroscopic studies of the brain, Lear JL, Radiology 1990; **174:** 328

grading liposarcomas with PET using [^{18}F]FDG, Adler LP; Blair HF; Williams RP; et al, JCAT 1990; **14:** 960

hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL, Radiology 1991; **181:** 469

hereditary cerebral hemorrhage with amyloidosis—Dutch type: Tc-99m HM-PAO single photon emission computed tomography, Haan J; van Kroonenburgh MJPG; Algra PR; et al, Neuroradiol 1990; **32:** 142

high [^{18}F]-fluorodeoxyglucose uptake in abdominal abscesses: a PET study, Tahara T; Ichiya Y; Kuwabara Y; et al, JCAT 1989; **13:** 829

high resolution single photon emission computerized tomography (SPECT) ^{99m}technetium-dimercapto-succinic acid renal imaging: a state of the art technique, (ab), Tarkington MA; Fildes RD; Levin K; et al, Radiology 1991; **178:** 589

HMPAO-SPECT imaging resembling Alzheimer-type dementia in mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes (MELAS), Grünwald F; Zierz S; Broich K; et al, J Nucl Med 1990; **31:** 1740

human pancreas scintigraphy using iodine-123-labeled HIPDM and SPECT, Yamamoto K; Shibata T; Saji H; et al, J Nucl Med 1990; **31:** 1015

hurdles to technology diffusion: what are expectations for PET?, McGivney WT, J Nucl Med 1991; **32:** 660

I-123 iofetamine single photon emission tomography in school-age children with difficult-to-control seizures, Gelfand MJ; Stowens DW, Clin Nucl Med 1990; **14:** 675

identification of functioning tissue in horseshoe kidney using SPECT, Theyer G; Lentle BC; Sullivan LD, Clin Nucl Med 1989; **14:** 917

imaging histamine H1 receptors in the living human brain with carbon-11-pyrilamine, Villemagne VL; Dannals RF; Sánchez-Roa PM; et al, J Nucl Med 1991; **32:** 308

imaging of brain tumors with L-3-[^{123}I]iodo-α-methyl tyrosine and SPECT, Biersack HJ; Coenen HH; Stöcklin G; et al, J Nucl Med 1989; **30:** 110

imaging of breast cancer with [^{18}F]fluorodeoxyglucose and positron emission tomography, Kubota K; Matsuzawa T; Amemiya A; et al, JCAT 1989; **13:** 1097

imaging positron emitting radionuclides generated during radiation therapy, Strauss LG; Clorius JH; Kimmig B; et al, Eur J Radiol 1989; **9:** 200

increased accumulation of N-isopropyl-p-(^{123}I)-iodoamphetamine intwo cases with mitochondrial encephalomyopathy with lactic acidosis and strokelike episodes (MELAS), Morita K; Ono S; Fukunaga M; et al, Neuroradiol 1989; **31:** 358

increased amino acid transport into brain tumors measured by PET of L-(2-^{18}F)fluorotyrosine, Wienhard K; Herholz K; Coenen HH; et al, J Nucl Med 1991; **32:** 1338

increased focal uptake of Tc-99m stannous phytate in an irregular fatty liver demonstrated by SPECT imaging, Imaeda T; Inoue A; Doi H; et al, Clin Nucl Med 1990; **15:** 504

increased rCBF in gray matter heterotopias detected by SPECT using ^{99m}Tc hexamethyl-propylenamine oxime, Henkes H; Hosten N; Cordes M; et al, Neuroradiol 1991; **33:** 310

initial experience with SPECT examinations using [^{123}I]IBZM as a D2-dopamine receptor antagonist in Parkinson's disease, Cordes M; Henkes H; Laudahn D; et al, Eur J Radiol 1991; **12:** 182

initial experience with SPECT imaging of the brain using I-123 p-iodoamphetamine in focal epilepsy, LaManna MM; Sussman NM; Harner RN; et al, Clin Nucl Med 1989; **14:** 428

innovative approach in the diagnosis of gliomatosis cerebri using carbon-11-L-methionine positron emission tomography, Mineura K; Sasajima T; Kowada M; et al, J Nucl Med 1991; **32:** 726

instrumentation and computers for brain single photon emission computed tomography, Croft BY, Semin Nucl Med 1990; **20:** 281

intravenous adenosine (Adenoscan) versus exercise in the noninvasive assessment of coronary artery disease by SPECT, LaManna MM; Mohama R; Slavich IL III; et al, Clin Nucl Med 1990; **15:** 804

intravenous dipyridamole thallium-201 SPECT imaging in patients with left bundle branch block, Rockett JF; Wood WC; Moinuddin M; et al, Clin Nucl Med 1990; **15:** 401

intravenous dipyridamole thallium-201 SPECT imaging: methodology, applications, and interpretations, Rockett JF; Magill HL; Loveless VS; et al, Clin Nucl Med 1990; **15:** 712

investigation of causes of geometric distortion in 180° and 360° angular sampling in SPECT, Knesaurek K; King MA; Glick SJ; et al, J Nucl Med 1989; **30:** 1666

investigation of the magnitude and causes of count loss artifacts in SPECT imaging, Gillen GJ; Gilmore B; Elliott AT, J Nucl Med 1991; **32:** 1771

in vitro and in vivo evaluation of [^{123}I]IBZM: a potential CNS D-2 dopamine receptor imaging agent, Kung HF; Pan S; Kung M-P; et al, J Nucl Med 1989; **30:** 88

in vitro and in vivo evaluation of iodine-123-Ro 16-0154: a new imaging agent for SPECT investigations of benzodiazepine receptors, Beer H-F; Bläuenstein PA; Hasler PH; et al, J Nucl Med 1990; **31:** 1007

in vivo SPECT imaging of CNS D-2 dopamine receptors: initial studies with iodine-123-IBZM in humans, Kung HF; Alavi A; Chang W; et al, J Nucl Med 1990; **31:** 573

in vivo SPECT quantitation of bone metabolism in hyperparathyroidism and thyrotoxicosis, Israel O; Front D; Hardoff R; et al, J Nucl Med 1991; **32:** 1157

iofetamine I 123 single photon emission computed tomography is accurate in the diagnosis of Alzheimer's disease, (ab), Johnson KA; Holman BL; Rosen TJ; et al, Radiology 1990; **177:** 295

kinetics of copper-PTSM in isolated hearts: a novel tracer for measuring blood flow with positron emission tomography, Shelton ME; Green MA; Mathias CJ; et al, J Nucl Med 1989; **30:** 1843

L-methionine uptake by human cerebral cortex: maturation from infancy to old age, O'Tuama LA; Phillips PC; Smith QR; et al, J Nucl Med 1991; **32:** 16

localization of myocardial ischaemia with technetium-99m methoxy isobutyl isonitrile and single photon emission computed tomography, West DJ; Najm YC; Mistry R; et al, Br J Radiol 1989; **62:** 303

long-term performance of a multiplanar positron emission tomograph, Kearfott KJ, J Nucl Med 1989; **30:** 1378

low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Bellah RD; Summerville DA; Treves ST; Micheli LJ, Radiology 1991; **180:** 509

lung thallium-201 uptake during exercise emission computed tomography, Kurata C; Tawarahara K; Taguchi T; et al, J Nucl Med 1991; **32:** 417

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Friedman D, Radiology 1991; **181:** 605

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Monsein LH, Radiology 1991; **181:** 605

mapping the distribution of amobarbital sodium in the intracarotid Wada test by use of Tc-99m HMPAO with SPECT, Jeffery PJ; Monsein LH; Szabo Z; Hart J; Fisher RS; Lesser RP; Debrun GM; Gordon B; Wagner HN Jr; Camargo EE, Radiology 1991; **178:** 847

measurement of D2 dopamine receptor-specific carbon-11-YM-09151-2 binding in the canine brain by PET: importance of partial volume correction, Hatazawa J; Hatano K; Ishiwata K; et al, J Nucl Med 1991; **32:** 713

measurements of glucose phosphorylation with FDG and PET are not reduced by dephosphorylation of FDG-6-phosphate, Kuwabara H; Gjedde A, J Nucl Med 1991; **32:** 692

median polish for quality assurance of a PET scanner, Kearfott KJ; Rucker RH, JCAT 1989; **13:** 932

metabolic activity in the areas of new fill-in after thallium-201 reinjection: comparison with positron emission tomography using fluorine-18-deoxyglucose, Tamaki N; Ohtani H; Yamashita K; et al, J Nucl Med 1991; **32:** 673

metabolic asymmetries in asymptomatic HIV-1 seropositive subjects: relationship to disease onset and MRI findings, Pascal S; Resnick L; Barker WW; et al, J Nucl Med 1991; **32:** 1725

metabolic imaging of patients with intracranial tumors: H-1 MR spectroscopic imaging and PET, Luyten PR; Marien AJH; Heindel W; van Gerwen PHJ; Herholz K; den Hollander JA; Friedmann G; Heiss W-D, Radiology 1990; **176:** 791

metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET, Alger JR; Frank JA; Bizzi A; Fulham MJ; DeSouza BX; Duhaney MO; Inscoe SW; Black JL; van Zijl PCM; Moonen CTW; Di Chiro G, Radiology 1990; **177:** 633

method of analysis of SPECT blood flow image data for comparison with computed tomography, Mountz JM, Clin Nucl Med 1989; **14:** 192

model-based quantification of myocardial perfusion images from SPECT, Nuyts J; Mortelmans L; Suetens P; et al, J Nucl Med 1989; **30:** 1992

modulation of liver tumor blood flow with hepatic arterial epinephrine: a SPECT study, Andrews JC; Walker-Andrews SC; Juni JE; Warber S; Ensminger WD, Radiology 1989; **173:** 645

multidetector SPECT scanner for brain and body: system performance and applications, Yonekura Y; Fujita T; Nishizawa S; et al, JCAT 1989; **13:** 732

multimodality evaluation of Klatskin tumor: detection by SPECT alone, Glaser AM; Chen DCP; Siegel ME, Clin Nucl Med 1989; **14:** 227

myocardial metabolism of fluorodeoxyglucose compared to cell membrane integrity for the potassium analogue rubidium-82 for assessing infarct size in man by PET, Gould KL; Yoshida K; Hess MJ; et al, J Nucl Med 1991; **32:** 1

N-3-[^{18}F]fluoropropylputrescine as potential PET imaging agent for prostate and prostate derived tumors, Hwang D-R; Lang L; Mathias CJ; et al, J Nucl Med 1989; **30:** 1205

new apparatus for brain imaging: four-head rotating gamma camera single-photon emission computed tomograph, Kimura K; Hashikawa K; Etani H; et al, J Nucl Med 1990; **31:** 603

new scanning method for thallium-201 myocardial SPECT: semidecubital position method, Suzuki A; Muto S; Oshima M; et al, Clin Nucl Med 1990; **14:** 736

new zinc-62/copper-62 generator as a copper-62 source for PET radiopharmaceuticals, Fujibayashi Y; Matsumoto K; Yonekura Y; et al, J Nucl Med 1989; **30:** 1838

N-isopropyl-*p*-[^{123}I]iodoamphetamine SPECT in MELAS syndrome: comparison with CT and MR imaging, Satoh M; Ishikawa N; Yoshizawa T; et al, JCAT 1991; **15:** 77

noninvasive assessment of coronary collaterals in man by PET perfusion imaging, Demer LL; Gould KL; Goldstein RA; et al, J Nucl Med 1990; **31:** 259

noninvasive estimation of regional myocardial oxygen consumption by positron emission tomography with carbon-11 acetate in patients with myocardial infarction, Walsh MN; Geltman EM; Brown MA; et al, J Nucl Med 1989; 30: 1798

noninvasive functional brain mapping by change-distribution analysis of averaged PET images of $H_2{}^{15}O$ tissue activity, Fox PT; Mintun MA, J Nucl Med 1989; 30: 141

noninvasive grading of musculoskeletal tumors using PET, Adler LP; Blair HF; Makley JT; et al, J Nucl Med 1991; 32: 1508

nuclear medicine. RSNA '88 meeting notes, Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM, Radiology 1989; 170: 604

nuclear medicine. RSNA '89 meeting notes, Mettler FA Jr; Hartshorne MF; Miller TR; Spies WG; Tumeh SS, Radiology 1990; 174: 607

ocular melanoma: detection using iodine-123-iodoamphetamine and SPECT imaging, Dewey SH; Leonard JC, J Nucl Med 1990; 31: 375

optimal specificity of thallium-201 SPECT through recognition of imaging artifacts, DePuey EG; Garcia EV, J Nucl Med 1989; 30: 441

orbit-related variation in spatial resolution as a source of artifactual defects in thallium-201 SPECT, Maniawski PJ; Morgan HT; Wackers FJT, J Nucl Med 1991; 32: 871

parametric images of myocardial metabolic rate of glucose generated from dynamic cardiac PET and 2-[^{18}F]fluoro-2-deoxy-d-glucose studies, Choi Y; Hawkins RA; Huang S-C; et al, J Nucl Med 1991; 32: 733

pediatric solid tumors: evaluation by gallium-67 SPECT studies, Rossleigh MA; Murray IPC; Mackey DWJ; et al, J Nucl Med 1990; 31: 168

performance characteristics of an eight-ring whole body PET scanner, Kops ER; Herzog H; Schmid A; et al, JCAT 1990; 14: 437

perspectives on imaging modalities, Budinger TF, Cardiovasc Intervent Radiol 1989; 12: 223

PET and MR studies of experimental focal stroke, Brownell A-L; Kano M; McKinstry RC; et al, JCAT 1991; 15: 376

PET as a tool in the clinical evaluation of pituitary adenomas, Bergström M; Muhr C; Lundberg PO; et al, J Nucl Med 1991; 32: 610

PET, CT, and MRI in the evaluation of neuropsychiatric disorders: current applications, Jolles PR; Chapman PR; Alavi A, J Nucl Med 1989; 30: 1589

PET detection of viable tissue in myocardial segments with persistent defects at Tl-201 SPECT, Brunken RC; Kottou S; Nienaber CA; Schwaiger M; Ratib OM; Phelps ME; Schelbert HR, Radiology 1989; 172: 65

PET evaluation of spinal cord tumor using ^{11}C-methionine, Higano S; Shishido F; Nagashima M; et al, JCAT 1990; 14: 297

PET measurements of hyperthermia-induced suppression of protein synthesis in tumors in relation to effects on tumor growth, Daemen BJG; Elsinga PH; Mooibroek J; et al, J Nucl Med 1991; 32: 1587

PET perfusion imaging and nuclear cardiology, Gould KL, J Nucl Med 1991; 32: 579

petrous apicitis: evaluation by bone SPECT and magnetic resonance imaging, Frates MC; Oates E, Clin Nucl Med 1990; 15: 293

PET studies of fluorodeoxyglucose metabolism in patients with recurrent colorectal tumors receiving radiotherapy, Haberkorn U; Strauss LG; Dimitrakopoulou A; et al, J Nucl Med 1991; 32: 1485

PET study of carbon-11-PK 11195 binding to peripheral type benzodiazepine sites in glioblastoma: a case report, Pappata S; Cornu P; Samson Y; et al, J Nucl Med 1991; 32: 1608

pituitary microadenomas: a PET study, De Souza B; Brunetti A; Fulham MJ; Brooks RA; DeMichele D; Cook P; Nieman L; Doppman JL; Oldfield EH; Di Chiro G, Radiology 1990; 177: 39

pixel overflow artifacts in SPECT evaluation of the skeleton, Bunker SR; Handmaker H; Torre DM; Schmidt WP, Radiology 1990; 174: 229

plastic transformation of PET images, Friston KJ; Frith CD; Liddle PF; et al, JCAT 1991; 15: 634

polar presentation of coronary angiography and thallium-201 single photon emission computed tomography: a method for comparing anatomic and pathologic findings in coronary angiography with isotope distribution in thallium-201 myocardial SPECT, Svane B; Bone D; Holmgren A; et al, Acta Radiol 1989; 30: 561

portosystemic collaterals in portal hypertension: visualization by using blood-pool SPECT imaging, Kashiwagi T; Kimura K; Kozuka T; et al, AJR 1989; 153: 281

positron emission tomography and computed tomography in differential diagnosis between recurrent or residual glioma and treatment-induced brain lesions, Lilja A; Lundqvist H; Olsson Y; et al, Acta Radiol 1989; 30: 121

positron emission tomography compared with magnetic resonance imaging and computed tomography in supratentorial gliomas using multiple stereotactic biopsies as reference, Mosskin M; Ericson K; Hindmarsh T; et al, Acta Radiol 1989; 30: 225

positron emission tomography in neuropsychiatry, Faulstich ME; Sullivan DC, Invest Radiol 1991; 26: 184

positron emission tomography in patients with glioma: a predictor of prognosis, (ab), Alavi JB; Alavi A; Chawluk J; et al, Radiology 1989; 171: 591

positron emission tomography of fluorine-18-deoxyglucose and image-guided phosphorus-31 magnetic resonance spectroscopy in brain tumors, Heiss W-D; Heindel W; Herholz K; et al, J Nucl Med 1990; 31: 302

positron emission tomography of the brain, Jamieson DG; Greenberg JH, Comput Med Imag Graph 1989; 13: 61

positron-labeled angiotensin-converting enzyme (ACE) inhibitor: fluorine-18-fluorocaptopril. probing the ACE activity in vivo by positron emission tomography, Hwang D-R; Eckelman WC; Mathias CJ; et al, J Nucl Med 1991; 32: 1730

positron tomographic assessment of 16α-[^{18}F] fluoro-17β-estradiol uptake in metastatic breast carcinoma, McGuire AH; Dehdashti F; Siegel BA; et al, J Nucl Med 1991; 32: 1526

postinjection L-phenylalanine increases basal ganglia contrast in PET scans of 6-^{18}F-DOPA, Doudet DJ; McLellan CA; Aigner TG; et al, J Nucl Med 1991; 32: 1408

potential value of serial cerebral SPECT scanning in the evaluation of psychiatric illness, Notardonato H; Gonzalez-Avilez A; Van Heertum RL; et al, Clin Nucl Med 1989; 14: 319

practical SPECT technique for quantitation of drug delivery to human tumors and organ absorbed radiation dose, Iosilevsky G; Israel O; Frenkel A; et al, Semin Nucl Med 1989; 19: 33

primary and metastatic breast carcinoma: initial clinical evaluation with PET with the radiolabeled glucose analogue 2-[F-18]-fluoro-2-deoxy-D-glucose, Wahl RL; Cody RL; Hutchins GD; Mudgett EE, Radiology 1991; 179: 765

principal axes transformation—a method for image registration, Alpert NM; Bradshaw JF; Kennedy D; et al, J Nucl Med 1990; 31: 1717

prone versus supine thallium myocardial SPECT: a method to decrease artifactual inferior wall defects, Segall GM; Davis MJ, J Nucl Med 1989; 30: 548

quality control procedure for 6-[^{18}F]fluoro-L-DOPA: a presynaptic PET imaging ligand for brain dopamine neurons, Chen J-J; Huang S-J; Finn RD; et al, J Nucl Med 1989; 30: 1249

quantification of leg muscle perfusion using thallium-201 single photon emission computed tomography, Oshima M; Akanabe H; Sakuma S; et al, J Nucl Med 1989; 30: 458

quantitation of myocardial blood flow with $H_2{}^{15}O$ and positron emission tomography: assessment and error analysis of a mathematical approach, Herrero P; Markham J; Bergmann SR, JCAT 1989; 13: 862

quantitation of postexercise lung thallium-201 uptake during single photon emission computed tomography, Kahn JK; Carry MM; McGhie I; et al, J Nucl Med 1989; 30: 288

quantitation of renal uptake of technetium-99m DMSA using SPECT, Groshar D; Frankel A; Iosilevsky G; et al, J Nucl Med 1989; 30: 246

quantitation of the critically ischemic zone at risk during acute coronary occlusion using PET, Merhige M; Garza D; Sease D; et al, J Nucl Med 1991; 32: 1581

quantitative analysis of regional wall motion by gated myocardial positron emission tomography: validation and comparison with left ventriculography, Yamashita K; Tamaki N; Yonekura Y; et al, J Nucl Med 1989; 30: 1775

quantitative bone scintigraphy using SPECT, Front D; Israel O; Jerushalmi J; et al, J Nucl Med 1989; 30: 240

quantitative comparison of cerebral glucose metabolic rates from two positron emission tomographs, Grady CL; Berg G; Carson RE; et al, J Nucl Med 1989; 30: 1386

quantitative evaluation of L-[methyl-C-11] methionine uptake in tumor using positron emission tomography, Hatazawa J; Ishiwata K; Itoh M; et al, J Nucl Med 1989; 30: 1809

quantitative in vivo measurements of tumor perfusion using rubidium-81 and positron emission tomography, Cherry SR; Carnochan P; Babich JW; et al, J Nucl Med 1990; 31: 1307

quantitative SPECT: basic theoretical considerations, Parker JA, Semin Nucl Med 1989; 19: 3

quantitative SPECT for indium-111-labeled antibodies in the livers of beagle dogs, Leichner PK; Vriesendorp HM; Hawkins WG; et al, J Nucl Med 1991; 32: 1442

quantitative SPECT in radiation dosimetry, Zanzonico PB; Bigler RE; Sgouros G; et al, Semin Nucl Med 1989; 19: 47

quantitative SPECT of uptake of monoclonal antibodies, DeNardo GL; Macey DJ; DeNardo SJ; et al, Semin Nucl Med 1989; 19: 22

quantitative SPECT reconstruction of iodine-123 data, Gilland DR; Jaszczak RJ; Greer KL; et al, J Nucl Med 1991; 32: 527

radiolabeled fluoromisonidazole as an imaging agent for tumor hypoxia, Rasey JS; Koh W-j; Grierson JR; et al, Int J Radiat Oncol Biol Phys 1989; 17: 985

rCBF-SPECT in brain infarction: when does it predict outcome?, Limburg M; van Royen EA; Hijdra A; et al, J Nucl Med 1991; 32: 382

reconstruction of Fourier coefficients: a fast method to get polar amplitude and phase images of gated SPECT, Graf G; Mester J; Clausen M; et al, J Nucl Med 1990; 31: 1856

recurrence of colorectal tumors: PET evaluation, Strauss LG; Clorius JH; Schlag P; Lehner B; Kimmig B; Engenhart R; Marin-Grez M; Helus F; Oberdorfer F; Schmidlin P; van Kaick G, Radiology 1989; 170: 329

reduced hypothalamic blood flow after radiation treatment of nasopharyngeal cancer: SPECT studies of 34 patients, Chieng P-U; Huang T-S; Chang C-C; et al, AJNR 1991; 12: 661

reference system for neuroanatomical localization on functional reconstructed cerebral images, Wilson MW; Mountz JM, JCAT 1989; 13: 174

regional brain blood flow in congenital dysphasia: studies with technetium-99m HM-PAO SPECT, Denays R; Tondeur M; Foulon M; et al, J Nucl Med 1989; 30: 1825

regional dynamics of N-isopropyl-(^{123}I)p-iodoamphetamine in human brain, Nishizawa S; Tanada S; Yonekura Y; et al, J Nucl Med 1989; 30: 150

regional lung water measurements with PET: accuracy, reproducibility, and linearity, Velazquez M; Haller J; Amundsen T; et al, J Nucl Med 1991; 32: 719

regional wall thickening of left ventricle evaluated by gated positron emission tomography in relation to myocardial perfusion and glucose metabolism, Yamashita K; Tamaki N; Yonekura Y; et al, J Nucl Med 1991; 32: 679

registration of three-dimensional MR and PET images of the human brain without markers, Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW, Radiology 1991; **181:** 731

relationship between histologic type of primary lung cancer and carbon-11-L-methionine uptake with positron emission tomography, Fujiwara T; Matsuzawa T; Kubota K; et al, J Nucl Med 1989; **30:** 33

renal function and technetium-99m-dimercaptosuccinic acid uptake in single kidneys: the value of in vivo SPECT quantitation, Groshar D; Embon OM; Frenkel A; et al, J Nucl Med 1991; **32:** 766

reorientation of the left ventricular long-axis on myocardial transaxial tomograms by a linear fitting method, He Z-X; Maublant JC; Cauvin JC; et al, J Nucl Med 1991; **32:** 1794

reproducibility of striatal uptake data obtained with positron emission tomography and fluorine-18-L-6-fluorodopa tracer in non-human primates, Pate BD; Snow BJ; Hewitt KA; et al, J Nucl Med 1991; **32:** 1246

reverse oblique reconstruction for SPECT of the spine, Nicholson RL; Manglal-Lan B; Wilkins K, Clin Nucl Med 1991; **16:** 478

reversibility bull's-eye: a new polar bull's-eye map to quantify reversibility of stress-induced SPECT thallium-201 myocardial perfusion defects, Klein JL; Garcia EV; DePuey EG; et al, J Nucl Med 1990; **31:** 1240

ringlike uptake of [^{18}F]FDG in brain abscess: a PET study, Sasaki M; Ichiya Y; Kuwabara Y; et al, JCAT 1990; **14:** 486

role of fast data acquisition method with Tc-99m HMPAO brain SPECT in patients with acute stroke, Oshima M; Tadokoro M; Makino N; et al, Clin Nucl Med 1990; **15:** 172

role of single photon emission computed tomography in bone scintigraphy, Murray IPC; Dixon J, Skeletal Radiol 1989; **18:** 493

routine, automated synthesis of oxygen-15-labeled butanol for positron tomography, Berridge MS; Cassidy EH; Terris AH, J Nucl Med 1990; **31:** 1727

scatter and attenuation correction in SPECT using density maps and Monte Carlo simulated scatter functions, Ljungberg M; Strand S-E, J Nucl Med 1990; **31:** 1560

scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans, Nagel JS; Ichise M; Holman BL, Semin Nucl Med 1991; **21:** 11

segmented attenuation correction for PET, Xu EZ; Mullani NA; Gould KL; et al, J Nucl Med 1991; **32:** 161

sensitivity of measurements of regional brain activation with oxygen-15-water and PET to time of stimulation and period of image reconstruction, Volkow ND; Mullani N; Gould LK; et al, J Nucl Med 1991; **32:** 58

septic arthritis of a lumbar facet joint: detection with bone SPECT imaging, Swayne LC; Dorsky S; Caruana V; et al, J Nucl Med 1989; **30:** 1408

simple noninvasive quantification method for measuring myocardial glucose utilization in humans employing positron emission tomography and fluorine-18 deoxyglucose, Gambhir SS; Schwaiger M; Huang S-C; et al, J Nucl Med 1989; **30:** 359

simple superimposition method for anatomical adjustments of CT and SPECT images, Vogl G; Schwer C; Jauch M; et al, JCAT 1989; **13:** 929

simultaneous correction for tracer arrival delay and dispersion in CBF measurements by the $H_2{}^{15}O$ autoradiographic method and dynamic PET, Meyer E, J Nucl Med 1989; **30:** 1069

simultaneous in vitro and in vivo validation of nitrogen-13-ammonia for the assessment of regional myocardial blood flow, Bellina CR; Parodi O; Camici P; et al, J Nucl Med 1990; **31:** 1335

single photon emission computed tomography imaging CT brain tumors, Biersack HJ; Grünwald F; Kropp J, Semin Nucl Med 1991; **21:** 2

single photon emission computed tomography in epilepsy, Devous MD Sr; Leroy RF; Homan RW, Semin Nucl Med 1990; **20:** 325

single photon tomography in Alzheimer's disease and the dementias, Bonte FJ; Hom J; Tintner R; et al, Semin Nucl Med 1990; **20:** 342

spatial and temporal registration of cardiac SPECT and MR images: methods and evaluation, Faber TL; McColl RW; Opperman RM; Corbett JR; Peshock RM, Radiology 1991; **179:** 857

SPECT bone scintigraphy in assessment of cranial Paget's disease, Brixen K; Hansen HH; Mosekilde L; et al, Acta Radiol 1990; **31:** 549

SPECT dual-energy-window Compton correction: scatter multiplier required for quantification, Koral KF; Swailem FM; Buchbinder S; et al, J Nucl Med 1990; **31:** 90

SPECT evaluation of brain perfusion reserve by the acetazolamide test using Tc-99m HMPAO, Matsuda H; Higashi S; Kinuya K; et al, Clin Nucl Med 1991; **16:** 572

SPECT for acute knee pain, Murray IPC; Dixon J; Kohan L, Clin Nucl Med 1990; **15:** 828

SPECT gallium-67 scanning in early human immunodeficiency virus (HIV) infection: failure of scanning abnormalities to correlate with immunologic staging, Anders GT; Timmons JH; Johnson JE; et al, Clin Nucl Med 1990; **15:** 295

SPECT imaging in the diagnosis of Budd-Chiari syndrome, Kim CK; Palestro CJ; Goldsmith SJ, J Nucl Med 1990; **31:** 109

SPECT imaging of the benzodiazepine receptor: feasibility of in vivo potency measurements from stepwise displacement curves, Innis RB; Al-Tikriti MS; Zoghbi SS; et al, J Nucl Med 1991; **32:** 1754

SPECT imaging with Tl-201 and Ga-67 in myocardial sarcoidosis, Kurata C; Sakata K; Taguchi T; et al, Clin Nucl Med 1990; **15:** 408

SPECT myocardial perfusion imaging update, Datz FL; Gullberg G; Gabor FV; et al, Semin US CT MR 1991; **12:** 28

SPECT of the peritoneal cavity: method for delineating intraperitoneal fluid distribution, Wahl RL; Gyves J; Gross BH; et al, AJR 1989; **152:** 1205

SPECT quantification of cerebral ischemia before and after carotid endarterectomy, Maurer AH; Siegel JA; Comerota AJ; et al, J Nucl Med 1990; **31:** 1412

SPECT studies of brain tumors with L-3-[^{123}I] iodo-α-methyl tyrosine: comparison with PET, ^{124}IMT and first clinical results, Langen K-J; Coenen HH; Roosen N; et al, J Nucl Med 1990; **31:** 281

SPECT versus planar liver scintigraphy: is SPECT worth it?, Fawcett HD; Sayle BA, J Nucl Med 1989; **30:** 57

stratified impairment of pulmonary ventilation in "diffuse panbronchiolitis:" PET and CT studies, Murata K; Itoh H; Senda M; et al, JCAT 1989; **13:** 48

studies of central nervous system disorders with single photon emission computed tomography and positron emission tomography: evolution over the past 2 decades, Alavi A; Hirsch LJ, Semin Nucl Med 1991; **21:** 58

study of the cerebral blood flow in partial epilepsy of childhood using the SPECT method, Chiron C; Raynaud C; Dulac O; et al, J Neuroradiol 1989; **16:** 317

subacute and chronic cerebral infarctions: SPECT and gadolinium-DTPA enhanced MR imaging, Cordes M; Henkes H; Roll D; et al, JCAT 1989; **13:** 567

synthesis and preliminary evaluaton of carbon-11-meta-hydroxyephedrine: a false transmitter agent for heart neuronal imaging, Rosenspire KC; Haka MS; Van Dort ME; et al, J Nucl Med 1990; **31:** 1328

Tc-99m HMPAO brain perfusion tomography atlas using a high resolution SPECT system, Matsuda H; Oskoie SD; Kinuya K; et al, Clin Nucl Med 1990; **15:** 428

Tc-99m HMPAO SPECT of the brain in a patient with striopallidodentate calcifications, Dierckx R; Jorens PG; Appel B; et al, Clin Nucl Med 1991; **16:** 439

^{99}Tc^{m}-HMPAO single photon emission computed tomography in partial epilepsy: a preliminary report, Smith DF; Smith FW; Knight RSG; et al, Br J Radiol 1989; **62:** 970

technetium-99m-HMPAO brain SPECT in medically intractable temporal lobe epilepsy: a postoperative evaluation, Grünwald F; Durwen HF; Bockisch A; et al, J Nucl Med 1991; **32:** 388

technetium-99m-MRP20, a potential brain perfusion agent: in vivo biodistribution and SPECT studies in normal male volunteers, Bossuyt A; Morgan GF; Deblaton M; et al, J Nucl Med 1991; **32:** 399

technetium-99m-MRP20, a potential brain perfusion agent: in vivo biodistribution and SPECT studies in non-primate animals, Morgan GF; Deblaton M; Clemens P; et al, J Nucl Med 1991; **32:** 500

temporal changes in accumulation of N-isopropyl-*p*-iodoamphetamine in human brain: relation to lung clearance, Yonekura Y; Fujita T; Nishizawa S; et al, J Nucl Med 1989; **30:** 1977

thallium-201 single photon emission computed tomograms of double cancers: lung and breast, Tonami N; Yokoyama K; Michigishi T; et al, Clin Nucl Med 1989; **14:** 594

thallium-201 single photon emission computed tomography in the evaluation of suspected lung cancer, Tonami N; Shuke N; Yokoyama K; et al, J Nucl Med 1989; **30:** 997

thallium-201 single photon emission computed tomography in patients with symptoms of heart disease and non-significant coronary artery lesions, Svane B; Bone D, Acta Radiol 1990; **31:** 463

thallium-201 SPECT imaging of brain tumors: methods and results, Kim KT; Black KL; Marciano D; et al, J Nucl Med 1990; **31:** 965

thallium-201 SPECT increases detectability of thyroid cancer metastases, Charkes ND; Vitti RA; Brooks K, J Nucl Med 1990; **31:** 147

three-dimensional alignment of functional and morphological tomograms, Pietrzyk U; Herholz K; Heiss W-D, JCAT 1990; **14:** 51

three-dimensional assessment of myocardial oxidative metabolism: a new approach for regional determination of PET-derived carbon-11-acetate kinetics, Kotzerke J; Hicks RJ; Wolfe E; et al, J Nucl Med 1990; **31:** 1876

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

three-dimensional simulations of multidetector point-focusing SPECT imaging, Kim H-J; Zeeberg BR; Loew MH; et al, J Nucl Med 1991; **32:** 333

three-dimensional techniques and artificial intelligence in thallium-201 cardiac imaging, DePuey EG; Garcia EV; Ezquerra NF, AJR 1989; **152:** 1161

thyroid imaging using positron emission tomography—a comparison with ultrasound imaging and conventional scintigraphy in thyrotoxicosis, Flower MA; Irvine AT; Ott RJ; et al, Br J Radiol 1990; **63:** 325

Tl-201 myocardial SPECT in patients with Duchenne's muscular dystrophy: a long-term follow-up, Nagamachi S; Jinnouchi S; Ono S; et al, Clin Nucl Med 1989; **14:** 827

tracheobronchial mucociliary clearance and alveolar epithelial permeability measured by PET with ^{18}FDG powder, Hatazawa J; Yanai M; Itoh M; et al, JCAT 1990; **14:** 175

treatment of Compton scattering in maximum-likelihood, expectation-maximization reconstruction of SPECT images, Bowsher JE; Floyd CE Jr, J Nucl Med 1991; **32:** 1285

two behavioral states studied in a single PET/FDG procedure: error analysis, Chang JY; Duara R; Barker W; et al, J Nucl Med 1989; **30:** 93

uptake of 2-deoxy, 2-(18F) fluoro-D-glucose in bladder cancer: animal localization and initial patient positron emission tomography, (ab), Harney JV; Wahl RL; Liebert M; et al, Radiology 1991; **180:** 588

uptake of carbon-11-methionine and fluorodeoxyglucose in non-Hodgkin's lymphoma: a PET study, Leskinen-Kallio S; Ruotsalainen U; Någren K; et al, J Nucl Med 1991; **32:** 1211

"upward creep" of the heart: a frequent source of false-positive reversible defects during thallium-201 stress-redistribution SPECT, Friedman J; Van Train K; Maddahi J; et al, J Nucl Med 1989; **30:** 1718

use of FDG-PET in the detection and management of malignant lymphoma: correlation of uptake with prognosis, Okada J; Yoshikawa K; Imazeki K; et al, J Nucl Med 1991; **32:** 686

use of SPECT in the diagnosis of epiphyseal osteoid osteoma, Murray IPC; Rossleigh MA; Van der Wall H, Clin Nucl Med 1989; **14:** 811

utility of the SPECT Tc-99m labeled RBC blood pool scan in the detection of hepatic hemangiomas, Guze BH; Hawkins RA, Clin Nucl Med 1989; **14:** 817

utilization of labeled thymidine in DNA synthesis: studies for PET, Shields AF; Lim K; Grierson J; et al, J Nucl Med 1990; **31:** 337

validation of simultaneous PET emission and transmission scans, Thompson CJ; Ranger N; Evans AC; et al, J Nucl Med 1991; **32:** 154

validation of the circular harmonic transform (CHT) algorithm for quantitative SPECT, Hawkins WG; Yang N-C; Leichner PK, J Nucl Med 1991; **32:** 141

validation studies of iodine-123-iodoamphetamine as a cerebral blood flow tracer using emission tomography, Greenberg JH; Kushner M; Rango M; et al, J Nucl Med 1990; **31:** 1364

validity of estimates of myocardial oxidative metabolism with carbon-11 acetate and positron emission tomography despite altered patterns of substrate utilization, Brown MA; Myears DW; Bergmann SR, J Nucl Med 1989; **30:** 187

value of oblique angle reorientation in SPECT bone scintigraphy of the hips, Krasnow AZ; Collier BD; Peck DC; et al, Clin Nucl Med 1990; **15:** 287

value of rest-stress myocardial positron tomography using nitrogen-13 ammonia for the preoperative prediction of reversible asynergy, Tamaki N; Yonekura Y; Yamashita K; et al, J Nucl Med 1989; **30:** 1302

visual stimulation increases technetium-99m-HMPAO distribution in human visual cortex, Woods SW; Hegeman IM; Zubal IG; et al, J Nucl Med 1991; **32:** 210

volue rendering in three-dimensional display of SPECT images, Wallis JW; Miller TR, J Nucl Med 1990; **31:** 1421

white matter hyperintensities may correspond to areas of increased blood volume: correlative MR and PET observations, Yamauchi H; Fukuyama H; Harada K; et al, JCAT 1990; **14:** 905

Wiener filtering improves quantification of regional myocardial perfusion with thallium-201 SPECT, Links JM; Jeremy RW; Dyer SM; et al, J Nucl Med 1990; **31:** 1230

Emphysema

CT demonstration of spinal epidural emphysema after strenuous exercise, Yoshimura T; Takeo G; Souda M; et al, JCAT 1990; **14:** 303

CT demonstration of spinal epidural emphysema complicating bronchial asthma and violent coughing, Tsuji H; Takazakura E; Terada Y; et al, JCAT 1989; **13:** 38

CT of emphysematous gastritis, Williamson MR; Shah HR; Harper RR; et al, Comput Med Imag Graph 1989; **13:** 175

expiratory computed tomography for assessment of suspected pulmonary emphysema, (ab), Knudson RJ; Standen JR; Kaltenborn WT; et al, Radiology 1991; **181:** 909

ultrasound spectrum of emphysematous cholecystitis, Bloom RA; Libson E; Lebensart PD; et al, JCU 1989; **17:** 251

Emphysema, interstitial

interstitial emphysema in adults: recognition and prognostic implications, Unger JM; England DM; Bogust GA, J Thorac Imag 1989; **4-1:** 86

Emphysema, pulmonary

computed tomography findings in the Swyer-James syndrome, Norton KI; Mendelson DS; Hodes D; et al, Clin Imag 1989; **13:** 48

cystic pulmonary lesions in patients with AIDS, Panicek DM, Radiology 1989; **173:** 12

diagnosis of mild emphysema: correlation of computed tomography and pathology scores, (ab), Kuwano K; Matsuba K; Ikeda T; et al, Radiology 1990; **176:** 887

emphysema in silicosis: a comparison of smokers with nonsmokers using pulmonary function testing and computed tomography, (ab), Kinsella M; Müller NL; Vedal S; et al, Radiology 1991; **178:** 291

infantile lobar emphysema in association with congenital heart disease, Gordon I; Dempsey JE, Clin Radiol 1990; **41:** 48

limitations of computed tomography in the assessment of emphysema, (ab), Miller RR; Müller NL; Vedal S; et al, Radiology 1989; **172:** 883

origin and behaviour of emphysematous bullae, (ab), Morgan MDL; Edwards CW; Morris J; et al, Radiology 1990; **174:** 586

panlobular emphysema in young intravenous ritalin abusers, (ab), Schmidt RA; Glenny RW; Godwin JD; et al, Radiology 1991; **181:** 292

premature bullous pulmonary damage in AIDS: CT diagnosis, Kuhlman JE; Knowles MC; Fishman EK; Siegelman SS, Radiology 1989; **173:** 23

pulmonary cystic disease: comparison of *Pneumocystis carinii* pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

quantitation of emphysema by computed tomography using a "density mask" program and correlation with pulmonary function tests, (ab), Kinsella M; Müller NL; Abboud RT; et al, Radiology 1990; **176:** 887

radiographic diagnosis of emphysema, Sanders C, Radiol Clin North Am 1991; **29:** 1019

radiographic type p pneumoconiosis: high-resolution CT, Akira M; Higashihara T; Yokoyama K; Yamamoto S; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1989; **171:** 117

sequential morphologic changes of elastase-induced pulmonary emphysema in pig lungs: evaluation by high-resolution computed tomography, Noma S; Herman PG; Khan A; et al, Invest Radiol 1991; **26:** 446

ventilation/perfusion mismatch caused by emphysematous bullae, Goodgold HM; Duffrin HJ, Clin Nucl Med 1989; **14:** 475

Emphysema, renal

emphysematous pyelitis in a Cushinoid patient mimicking a subphrenic abscess: diagnosis by sonography, Carrington BM; Khan AN, JCU 1989; **17:** 453

emphysematous pyelonephritis: radiologic and clinical findings in six cases, Päivänsalo M; Hellström P; Siniluoto T; et al, Acta Radiol 1989; **30:** 311

emphysematous pyelonephritis simulating intestinal obstruction and pneumatosis intestinalis, Yip CKY; Wong HYN; Chan PSF; et al, Australas Radiol 1990; **34:** 344

Emphysema, subcutaneous

subcutaneous emphysema of the lower extremity of abdominal origin, Jager GJ; Rijssen HV; Lamers JJH, Gastrointest Radiol 1990; **15:** 253

Empyema

CT follow-up of empyemas: pleural peels resolve after percutaneous catheter drainage, Neff CC; vanSonnenberg E; Lawson DW; Patton AS, Radiology 1990; **176:** 195

empyema of the gallbladder in a patient with AIDS-related complex, Yao L; Scialdone C, Clin Imag 1990; **14:** 157

empyema thoracis: 14-year experience in a teaching center, (ab), Smith JA; Mullerworth MH; Westlake GW; et al, Radiology 1991; **181:** 291

extrapleural fat in empyema: CT appearance, Takasugi JE; Godwin JD; Teefey SA, Br J Radiol 1991; **64:** 580

giant subdural empyema in an infant: sonographic observations, Raghav B; Goulatia RK; Gupta AK; et al, Neuroradiol 1990; **32:** 154

malignancy associated with chronic empyema: radiologic assessment, Minami M; Kawauchi N; Yoshikawa K; Itai Y; Kokubo T; Iguchi M; Masuyama S; Takeuchi K; Iio M, Radiology 1991; **178:** 417

management of empyema thoracis, (ab), Ali I; Unruh H, Radiology 1991; **179:** 884

microbiology of empyema in children and adolescents, (ab), Brook I, Radiology 1990; **177:** 600

parietal pleural changes in empyema: appearances at CT, Waite RJ; Carbonneau RJ; Balikian JP; Umali CB; Pezzella AT; Nash G, Radiology 1990; **175:** 145

percutaneous abscess drainage: current concepts, vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW, Radiology 1991; **181:** 617

radiologically controlled drainage of pleural and pulmonary collections, Fataar S, Australas Radiol 1990; **34:** 111

subdural and epidural empyemas: MR imaging, Weingarten K; Zimmerman RD; Becker RD; et al, AJNR 1989; **10:** 81

surgical definition of pleural peel, Moulton AL, Radiology 1991; **178:** 889

surgical definition of pleural peel: reply, Neff CC; vanSonnenberg E, Radiology 1991; **178:** 889

surgical management of empyema thoracis in substance abuse patients: a 5-year experience, (ab), Hoover EL; Hsu H-K; Webb H; et al, Radiology 1989; **172:** 291

surgical management of thoracic empyema, Wallenhaupt SL, J Thorac Imag 1991; **6-3:** 80

surgical treatment of pulmonary aspergilloma and *Aspergillus* empyema, (ab), Shirakusa T; Ueda H; Saito T; et al, Radiology 1990; **176:** 588

treatment of thoracic multiloculated empyemas with intracavitary urokinase: a prospective study, Lee KS; Im J-G; Kim YH; Hwang SH; Bae WK; Lee BH, Radiology 1991; **179:** 771

tuberculous empyema necessitatis: computed tomography findings, Glicklich M; Mendelson DS; Gendal ES; et al, Clin Imag 1990; **14:** 23

Encephalitis

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA, Radiology 1990; **175:** 185

focal high uptake of HM-PAO in brain perfusion studies: a clue in the diagnosis of encephalitis, Meyer MA; Wahner HW, J Nucl Med 1990; **31:** 1094

follow-up study by CT and MRI in 3 cases of Japanese encephalitis, Shoji H; Murakami T; Murai I; et al, Neuroradiol 1990; **32:** 215

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

gadolinium enhancement in acute disseminated encephalomyelitis, Caldemeyer KS; Harris TM; Smith RR; et al, JCAT 1991; **15:** 673

Gd-DTPA enhanced MRI of herpes simplex encephalitis: a case report, Switzer P; Gomori JM; Eliashiv S, Clin Imag 1991; **15:** 121

magnetic resonance imaging in herpes simplex encephalitis, Albertyn LE, Australas Radiol 1990; **34:** 117

MR findings in neonatal herpes simplex encephalitis type II, Enzmann D; Chang Y; Augustyn GT, JCAT 1990; **14:** 453

MR imaging in cysticercotic encephalitis, Del Brutto OH; Zenteno MA; Salgado P; et al, AJNR 1989; **10:** S18

MR imaging of paraneoplastic limbic encephalitis, Lacomis D; Khoshbin S; Schick RM, JCAT 1990; **14:** 115

NMR studies in experimental allergic encephalomyelitis: factors which contribute to T1 and T2 values, Karlik SJ; Gilbert JJ; Wong C; et al, Magn Res Med 1990; **14:** 1

proton MR spectroscopy in herpes simplex encephalitis: assessment of neuronal loss, Menon DK; Sargentoni J; Peden CJ; et al, JCAT 1990; **14:** 449

resolving MRI abnormalities with progression of subacute sclerosing panencephalitis, Winer JB; Pires M; Kermode A; et al, Neuroradiol 1991; **33:** 178

subacute sclerosing panencephalitis: changes on CT scan during acute relapse, Modi G; Campbell H; Bill P, Neuroradiol 1989; **31:** 433

Encephalocele

See Brain, hernia

Encephalography

See Brain, radiography

Encephalomalacia

abnormal signal in deep white-matter infarction, Barnes D, Radiology 1989; **170:** 279

abnormal signal in deep white-matter infarction: reply, Bradley WG Jr; Marshall VG, Radiology 1989; **170:** 280

Encephalopathy

See Brain, diseases

Enchondroma

case report 522, Resnik CS; Levine AM; Aisner SC; et al, Skeletal Radiol 1989; **18:** 66

case report 602, Lawson JP; Scott G, Skeletal Radiol 1990; **19:** 158

comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; **179:** 247

enchondroma protuberans: report of a case and its distinction from chondrosarcoma and osteochondroma adjacent to an enchondroma, Crim JR; Mirra JM, Skeletal Radiol 1990; **19:** 431

intracranial chondroma in a patient with Ollier's disease: case report, (ab), Traflet RF; Babaria AR; Barolat G; et al, Radiology 1989; **173:** 886

intracranial chondrosarcoma in a patient with Ollier's disease, Clifton AG; Kendall BE; Crockard HA; et al, Br J Radiol 1991; **64:** 633

multiple enchondromatosis (Ollier's disease) complicated by malignant astrocytoma, Bendel CJA; Gelmers HJ, Eur J Radiol 1991; **12:** 135

neonatal radiological aspect of enchondromatosis (Ollier's disease), Raupp P; Kemperdick H, Pediatr Radiol 1990; **20:** 337

Endocarditis

free-floating *Aspergillus* vegetation in left atrium: identification by two-dimensional echocardiography, Chow W-H; Ng THK; Chow T-C; et al, JCU 1991; **19:** 315

functional anatomy of severe mitral regurgitation in active rheumatic carditis, (ab), Marcus RH; Sareli P; Pocock WA; et al, Radiology 1989; **173:** 291

gallium-SPECT in the detection of prosthetic valve endocarditis and aortic ring abscess, O'Brien K; Barnes D; Martin RH; et al, J Nucl Med 1991; **32:** 1791

indium-111 leukocyte scintigraphic detection of myocardial abscess formation in patients with endocarditis, Cerqueira MD; Jacobson AF, J Nucl Med 1989; **30:** 703

perivalvular pseudoaneurysm complicating bacterial endocarditis: MR detection in five cases, Akins EW; Slone RM; Wiechmann BN; et al, AJR 1991; **156:** 1155

review of antibiotic prophylaxis for bacterial endocarditis in relation to radiological procedures, O'Connell PT; Partridge JB, Australas Radiol 1990; **34:** 75

Endocardium, inflammation

See Endocarditis

Endocrine glands

neuroendocrine system of the gut, Sundler F; Böttcher G; Ekblad E; et al, Acta Oncol 1989; **28:** 303

neuroendocrine system of the gut—an update, Sundler F; Ekblad E; Håkanson R, Acta Oncol 1991; **30:** 419

pancreastatin—a novel regulatory peptide?, Schmidt WE; Creutzfeldt W, Acta Oncol 1991; **30:** 441

scintigraphic endocrine mimicry, Gross MD; Shapiro B; Freitas JE, Clin Nucl Med 1990; **15:** 457

Endocrine glands, dysfunction

chemotherapy and endocrine function in lung cancer, Aasebø U; Sjøvdal L; Aanderud S; et al, Acta Oncol 1989; **28:** 667

radiologic manifestations in the musculoskeletal system of miscellaneous endocrine disorders, Chew FS, Radiol Clin North Am 1991; **29:** 135

skeletal manifestations of ectopic or inappropriate endocrine and metabolic syndromes, Feldman F, Radiol Clin North Am 1991; **29:** 119

Endocrine glands, neoplasms

chromogranins—new sensitive markers for neuroendocrine tumors, Eriksson B; Arnberg H; Öberg K; et al, Acta Oncol 1989; **28:** 325

diagnostic pathology of gastrointestinal and pancreatic neuroendocrine tumours, Wilander E, Acta Oncol 1989; **28:** 363

genetic and clinical characteristics of multiple endocrine neoplasia type 1, Skogseid B; Larsson C; Öberg K, Acta Oncol 1991; **30:** 485

in vitro culture of neuroendocrine tumors of the pancreas and gut, Lundqvist M; Öberg K, Acta Oncol 1989; **28:** 335

islet amyloid polypeptide (IAPP): a short review, Stridsberg M; Wilander E, Acta Oncol 1991; **30:** 451

islet cell tumors in von Hippel-Lindau disease: increased prevalence and relationship to the multiple endocrine neoplasias, Binkovitz LA; Johnson CD; Stephens DH, AJR 1990; **155:** 501

medical treatment of neuroendocrine gut and pancreatic tumors, Öberg K; Eriksson B, Acta Oncol 1989; **28:** 425

multiple endocrine neoplasia type I (men-1): clinical, biochemical and genetical investigations, Öberg K; Skogseid B; Eriksson B, Acta Oncol 1989; **28:** 383

neuroendocrine pancreatic tumors: clinical findings in a prospective study of 84 patients, Eriksson B; Öberg K; Skogseid B, Acta Oncol 1989; **28:** 373

nuclear DNA distribution in neuroendocrine gastroenteropancreatic tumors before and during treatment, Eriksson B; Öberg K; Wilander E; et al, Acta Oncol 1989; **28:** 193

peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors, Eriksson B; Öberg K, Acta Oncol 1991; **30:** 477

percutaneous aspiration for hormone levels in the diagnosis of functioning endocrine tumors, Doppman JL, Cardiovasc Intervent Radiol 1991; **14:** 73

radiologic diagnosis of neuroendocrine tumors, Lunderquist A, Acta Oncol 1989; **28:** 371

screening for the multiple endocrine neoplasia syndrome type I: a study of 11 kindreds in the Netherlands, (ab), Vasen HFA; Lamers CBHW; Lips CJM, Radiology 1990; **175:** 888

surgical treatment of carcinoids and endocrine pancreatic tumours, Åkerström G, Acta Oncol 1989; **28:** 409

surgical treatment of endocrine pancreatic lesions in MEN-1, Åkerström G; Johansson H; Grama D, Acta Oncol 1991; **30:** 541

synaptophysin: a widespread constituent of small neuroendocrine vesicles and a new tool in tumor diagnosis, Wiedenmann B, Acta Oncol 1991; **30:** 435

treatment of gastrointestinal endocrine tumours with interferon-α and octreotide, Creutzfeldt W; Bartsch HH; Jacubaschke U; et al, Acta Oncol 1991; **30:** 529

treatment of the pancreatic disease of multiple endocrine neoplasia type 1 (MEN 1), Tisell L-E; Ahlman H, Acta Oncol 1989; **28:** 415

Endocrine glands, radionuclide studies

endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. part II, Beierwaltes WH, J Nucl Med 1991; **32:** 1627

Endometriosis

chemical shift artifact: dependence on shape and orientation of the lipid-water interface, Smith RC; Lange RC; McCarthy SM, Radiology 1991; **181:** 225

CT appearance of diffuse peritoneal endometriosis, Nardi PM; Ruchman RB, JCAT 1989; **13:** 1075

diaphragmatic endometriosis: CT and MR findings, Posniak HV; Keshavarzian A; Jabamoni R, Gastrointest Radiol 1990; **15:** 349

endometrial cysts: diagnosis with MR imaging, Togashi K; Nishimura K; Kimura I; Tsuda Y; Yamashita K; Shibata T; Nakano Y; Konishi J; Konishi I; Mori T, Radiology 1991; **180:** 73

endometriosis: appearance and detection at MR imaging, Zawin M; McCarthy S; Scoutt LM; Comite F, Radiology 1989; **171:** 693

endometriosis of the cecum and appendix: two case reports, Ardies P; Vanwambeke K; Hanssens M; et al, Gastrointest Radiol 1990; **15:** 263

endometriosis of the right fallopian tube mimicking appendicitis on sonography, Kirshenbaum KJ; Warner JJ; Nadimpalli SR; et al, J Ultrasound Med 1990; **9:** 57

enlarged uterus: differentiation between adenomyosis and leiomyoma with MR imaging, Togashi K; Ozasa H; Konishi I; Itoh H; Nishimura K; Fujisawa I; Noma S; Sagoh T; Minami S; Yamashita K; Nakano Y; Konishi J; Mori T, Radiology 1989; **171:** 531

gastrointestinal endometriosis: incidence and indications for resection, (ab), Prystowsky JB; Stryker SJ; Ujiki GT; et al, Radiology 1989; **170:** 286

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

MRI findings of sciatic endometriosis, Moeser PM; Donofrio PD; Karstaedt N; et al, Clin Imag 1990; **14:** 64

MR imaging of endometriosis arising in cesarean section scar, Wolf GC; Kopecky KK, JCAT 1989; **13:** 150

MR imaging of the uterus, McCarthy S, Radiology 1989; **171:** 321

pelvic endometriosis: MR imaging, Arrivé L; Hricak H; Martin MC, Radiology 1989; **171:** 687

pelvic masses in pregnancy: MR imaging, Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE, Radiology 1990; **176:** 709

perforation of the colon due to endometriosis, Goodman P; Raval B; Zimmerman G, Gastrointest Radiol 1990; **15:** 346

rectosigmoid endometriosis: diagnosis using endovaginal sonography, Gorell HW; Cyr DR; Wang KY; et al, J Ultrasound Med 1989; **8:** 459

sciatic endometriosis: MR appearance, Binkovitz LA; King BF; Ehman RL, JCAT 1991; **15:** 508

spectrum of sonographic findings in endometriomas, Athey PA; Diment DD, J Ultrasound Med 1989; **8:** 487

Endometrium

See Uterus, endometrium

Endoscopic retrograde cholangiopancreatography (ERCP)

anatomic variants and artifacts in ERCP interpretation, Gulliver DJ; Cotton PB; Baillie J, AJR 1991; **156:** 975

complications of endoscopic retrograde sphincterotomy: computed tomographic evaluation, Kuhlman JE; Fishman EK; Milligan FD; et al, Gastrointest Radiol 1989; **14:** 127

CT detection of asymptomatic pancreatitis following ERCP, Thoeni RF; Fell SC; Goldberg HI, Gastrointest Radiol 1990; **15:** 291

endoscopic retrograde cholangiopancreatography in chronic pancreatitis: Cambridge classification, Axon ATR, Radiol Clin North Am 1989; **27:** 39

imaging the gallbladder: a historical perspective, Feld R; Kurtz AB; Zeman RK, AJR 1991; **156:** 737

interpretation of retrograde pancreatography in the elderly, Jones SN; McNeil NI; Lees WR, Clin Radiol 1989; **40:** 393

new trends with endoscopic retrograde cholangiopancreatography, Clin Radiol Clin Radiol 1991; **43:** 223

renal excretion of endoscopic retrograde cholangiopancreatography injected contrast: a common phenomenon, Hopper KD; Wegert SJ; Hallgren SE, Invest Radiol 1989; **24:** 394

role of the accessory pancreatic duct of Santorini in pancreatic drainage in children (with emphasis of choledochal cyst patients), Perisic VN; Mihailovic T; Tomomasa T; et al, Pediatr Radiol 1991; **21:** 258

uncomplicated portal venous gas associated with duodenal perforation following ERCP: CT features, Merine DS; Fishman EK, JCAT 1989; **13:** 138

value of ERCP in the diagnosis and management of pre- and postoperative biliary complications in hydatid disease of the liver, Magistrelli P; Masetti R; Coppola R; et al, Gastrointest Radiol 1989; **14:** 315

Endoscopy

choledochoscopic stone removal through a T-tube tract: experience in 75 consecutive patients, Bower BL; Picus D; Hicks ME; Darcy MD; Rollins ES; Kleinhoffer MA; Weyman PJ, JVIR 1990; **1:** 107

Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; **174:** 937

ductoscopy: a new technique for ductal exploration, Berna JD; Garcia-Medina V; Kuni CC, Eur J Radiol 1991; **12:** 127

endoscopic sonography of the upper gastrointestinal tract, Botet JF; Lightdale CJ, AJR 1991; **156:** 63

endoscopic ultrasonography in the diagnosis of pancreatic islet cell tumors, Yamada M; Komoto E; Naito Y; et al, J Ultrasound Med 1991; **10:** 271

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; **181:** 342

enteroscopy and enteroclysis: an improved method for combined procedure, McGovern R; Barkin JS, Gastrointest Radiol 1990; **15:** 327

expandable biliary metal stents for malignancies: endoscopic insertion and diathermic cleaning for tumor ingrowth, (ab), Cremer M; Devier J; Sugai B; et al, JVIR 1991; **2:** 296

fine caliber cholangioscopy, Günther RW; Vorwerk D; Klose KC; et al, Radiol Clin North Am 1990; **28:** 1171

impact of endoscopy on mortality from occult cancer in radiographically benign gastric ulcers: a probability analysis model, (ab), Erickson RA, Radiology 1989; **170:** 899

large colonic neoplasms missed by endoscopy, Glick SN; Teplick SK; Balfe DM; et al, AJR 1989; **152:** 513

multidisciplinary approach to complex endoscopic biliary intervention, Chespak LW; Ring EJ; Shapiro HA; Gordon RL; Ostroff JW, Radiology 1989; **170:** 995

percutaneous endoscopic gastrostomy and early mortality, (ab), Clarkston WK; Smith OJ; Walden JM, JVIR 1991; **2:** 296

percutaneous extraction of gallstones in 20 patients, Cope C; Burke DR; Meranze SG, Radiology 1990; **176:** 19

preoperative evaluation of gastric cancer by endoscopic ultrasound, (ab), Akahoshi K; Misawa T; Fujishima H; et al, Radiology 1991; **181:** 610

preoperative staging of esophageal cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Urmacher C; Brennan MF, Radiology 1991; **181:** 419

preoperative staging of gastric cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Winawer SJ; Urmacher C; Brennan MF, Radiology 1991; **181:** 426

radiologists and endoscopy: a survey of the attitudes and intentions of radiologists in training, Etherington RJ; Adams H; Roberts GM, Clin Radiol 1989; **40:** 383

should radiologists perform gastrointestinal endoscopy?, Bartram CI, Clin Radiol 1989; **40:** 225

Endoscopy, comparative studies

detection of gastric erosions: comparison of biphasic radiography with fiberoptic endoscopy, Shaw PC; van Romunde LKJ; Griffioen G; Janssens AR; Kreuning J; Lamers CBHW, Radiology 1991; **178:** 63

use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Op den Orth JO, Radiology 1989; **173:** 601

Enteritis

barium studies in diffuse eosinophilic gastroenteritis, MacCarty RL; Talley NJ, Gastrointest Radiol 1990; **15:** 183

correlation of ^{111}Indium WBC scintigraphy with ultrasound in the detection and assessment of inflammatory bowel disease, Khaw KT; Saverymuttu SH; Joseph AEA, Clin Radiol 1990; **42:** 410

CT of inflammatory bowel disease, Gore RM, Radiol Clin North Am 1989; **27:** 717

eosinophilic cystitis and coexistent eosinophilic gastroenteritis in an infant, Peterson NE; Silverman A; Campbell JB, Pediatr Radiol 1989; **19:** 484

ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Reed EC; Wolford JL; Kopecky KJ; et al, Radiology 1990; **177:** 296

ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Reed EC; Wolford JL; Kopecky KJ; et al, Radiology 1990; **177:** 595

intra-abdominal abscess in regional enteritis, (ab), Riobeiro MB; Greenstein AJ; Yamazaki J; et al, Radiology 1991; **181:** 611

management of the periappendiceal inflammatory mass, Jeffrey RB Jr, Semin US CT MR 1989; **10:** 341

nonmucosal predominantly serosal eosinophilic enteritis: a case report, Smith TR; Schmiedeberg P; Flax H; et al, Clin Imag 1990; **14:** 235

pericholecystic hyperechogenicities in necrotizing enterocolitis: a specific sonographic sign, Avni EF; Rypens F; Cohen E; et al, Pediatr Radiol 1991; **21:** 179

pneumatosis intestinalis in two infants with rotavirus gastroenteritis, Capitanio MA; Greenberg SB, Pediatr Radiol 1991; **21:** 361

role of scintigraphy in the management of inflammatory bowel disease, Rothstein RD; Alavi A, J Nucl Med 1991; **32:** 856

scintigraphic assessment of indium-111-labeled granulocyte splenic pooling: a new approach to inflammatory bowel disease activity, Loréal O; Moisan A; Bretagne J-F; et al, J Nucl Med 1990; **31:** 1470

typhlitis: an 18-year experience and postmortem review, (ab), Katz JA; Wagner ML; Gresik MV; et al, Radiology 1990; **176:** 592

typhoid fever: diagnosis by using sonography, Puylaert JBCM; Kristjánsdóttir S; Golterman KL; et al, AJR 1989; **153:** 745

unusual combination of an appendicolith in a leukemic patient with typhlitis—ultrasound diagnosis, Rodgers B; Seibert JJ, JCU 1990; **18:** 191

Yersinia terminal ileitis: sonographic findings in eight patients, Matsumoto T; Iida M; Sakai T; et al, AJR 1991; **156:** 965

Enteroclysis

closed loop obstruction: diagnosis by enteroclysis, Price J; Nolan DJ, Gastrointest Radiol 1989; **14:** 251

double-contrast hypotonic duodenography after enteroclysis, Zalev AH; McLennan MK, J Canad Assoc Radiol 1991; **42:** 141

enteroclysis and small bowel series: comparison of radiation dose and examination time, Thoeni RF; Gould RG, Radiology 1991; **178:** 659

enteroclysis in the diagnosis of intestinal obstruction in the early postoperative period, Dehn TCB; Nolan DJ, Gastrointest Radiol 1989; **14:** 15

enteroscopy and enteroclysis: an improved method for combined procedure, McGovern R; Barkin JS, Gastrointest Radiol 1990; **15:** 327

impact of the small bowel study on patient management, Chen MYM; Ott DJ; Kelley TF; et al, Gastrointest Radiol 1991; **16:** 189

loop-torque maneuver: a method to facilitate intubation for enteroclysis, Thoeni RF, Gastrointest Radiol 1990; **15:** 325

plasma electrolyte status following enteroclysis in patients with partial small-bowel obstruction, Barloon TJ; Yang CJC; Berbaum KS; et al, Invest Radiol 1989; **24:** 616

small bowel perforation during enteroclysis, Ginaldi S, Gastrointest Radiol 1991; **16:** 29

Enterocolitis

See Colitis

Eosinophilia-myalgia syndrome

eosinophilia-myalgia syndrome: findings on chest radiographs in 18 patients, Williamson MR; Eidson M; Rosenberg RD; Williamson SL, Radiology 1991; **180:** 849

Ependymoma

intracranial ependymoma and subependymoma: MR manifestations, Spoto GP; Press GA; Hesselink JR; et al, AJNR 1990; **11:** 83

intracranial ependymoma and subependymoma: MR manifestations, Spoto GP; Press GA; Hesselink JR; et al, AJR 1990; **154:** 837

intracranial ependymomas in children, Goldwein JW; Leahy JM; Packer RJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1497

role of prophylactic spinal irradiation in localized intracranial ependymoma, Vanuytsel L; Brada M, Int J Radiat Oncol Biol Phys 1991; **21:** 825

role of radiation therapy in the management of ependymomas of the spinal cord, Wen B-C; Hussey DH; Hitchon PW; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 781

subcutaneous sacrococcygeal myxopapillary ependymoma: CT and MR findings, Domingues RC; Mikulis D; Swearingen B; et al, AJNR 1991; **12:** 171

supratentorial ependymomas: neuroradiological study, Peretti-Viton P; Perez Castillo AM; Martini P; et al, J Neuroradiol 1991; **18:** 201

Epidermoid

case of the month: a pearl of wisdom, Rawlinson J; Coblentz CL; Franic S, Br J Radiol 1991; **64:** 473

case of the month: digging for a diagnosis, Jäger HR; O'Donnell C; Sinha J, Br J Radiol 1990; **63:** 143

computed tomography of cervical epidermoid cysts, Li Y-P; Srikantaswamy S; Zweig G; et al, JCAT 1989; **13:** 164

dense epidermoid cyst of the cerebellopontine angle, Tekkök IH; Cataltepe O; Sağlam S, Neuroradiol 1991; **33:** 255

epidermoid carcinoma of the anal canal treatment results and prognostic variables in a series of 242 cases, Schlienger M; Krzisch C; Pene F; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1141

epidermoid carcinoma of the pharnyx: therapeutic results in a series of 221 patients, Johansen J; Christensen P-H; Jørgensen K; et al, Acta Oncol 1991; **30:** 33

epidermoid cyst of the spleen: a case report and review of the literature, Younger KA; Hall CM, Br J Radiol 1990; **63:** 652

extradural epidermoid cyst occluding the transverse sinus: a case report, Sadato N; Numaguchi Y; Geisler FH; et al, Comput Med Imag Graph 1991; **15:** 129

extradural epidermoid tumor of the frontal bone, Demaerel P; Wilms G; Lammens M; et al, Neuroradiol 1991; **33:** 349

familial splenic epidermoid cyst, Ragozzino MW; Singletary H; Patrick R, AJR 1990; **155:** 1233

iatrogenic intraspinal epidermoid tumor: myelo-CT and MRI diagnosis, Visciani A; Savoiardo M; Balestrini MR; et al, Neuroradiol 1989; **31:** 273

intracranial epidermoid tumors: a continuing diagnostic challenge, (ab), Panagopoulos KP; El-Azouzi M; Chisholm HL; et al, Radiology 1991; **178:** 900

magnetic resonance imaging of intracranial epidermoid tumours, Savader SJ; Murtagh FR; Savader BL; et al, Clin Radiol 1989; **40:** 282

MR appearance of acquired spinal epidermoid tumors, De Pena CA; Lee Y-Y; Van Tassel P; et al, AJNR 1989; **10:** S97

MR imaging of a spinal epidermoid tumor, Hatfield MK; Udesky RH; Strimling AM; et al, AJNR 1989; **10:** S95

MR imaging of epidermoid cysts, Tampieri D; Melanson D; Ethier R, AJNR 1989; **10:** 351

MR of intracranial epidermoid tumors: correlation of in vivo imaging with in vitro ^{13}C spectroscopy, Horowitz BL; Chari MV; James R; et al, AJNR 1990; **11:** 299

posterior fossa epidermoid in a member of a kindred with von Hippel–Lindau disease, Aggarwal S; Byrne BD, J Canad Assoc Radiol 1990; **41:** 225

simultaneous occurrence of epidermoid and dermoid cysts in the posterior fossa: CT and MR findings, Wilms G; Plets C; Marchal G; et al, AJNR 1990; **11:** 1257

sonographic appearance of epidermoid cyst of the testis, Maxwell AJ; Mamtora H, JCU 1990; **18:** 188

spontaneous rupture of an epidermoid cyst of spleen: preoperative ultrasonographic diagnosis, Rathaus V; Zissin R; Goldberg E, JCU 1991; **19:** 235

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 159

unusual MR and CT appearance of an epidermoid tumor, Gualdi GF; Di Biasi C; Trasimeni G; et al, AJNR 1991; **12:** 771

Epididymis

Burkitt lymphoma involving the epididymis and spermatic cord: sonographic and CT findings, Zwanger-Mendelsohn S; Shreck EH; Doshi V, AJR 1989; **153:** 85

epididymal cyst simulating missed torsion by scrotal scintigraphy, Turetsky DB; Wilf LH, Clin Nucl Med 1990; **15:** 846

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Epididymis, US

changes in the epididymis after vasectomy: sonographic findings, Jarvis LJ; Dubbins PA, AJR 1989; **152:** 531

sonography of the male genital tract, Benson CB; Doubilet PM; Richie JP, AJR 1989; **153:** 705

torsion of paradidymis or Giraldés' organ: an uncommon cause of acute scrotum in pediatric age group, Orazi C; Fariello G; Malena S; et al, JCU 1989; **17:** 598

ultrasound demonstration of a papillary cystadenoma of the epididymis, Alexander JA; Lichtman JB; Varma VA, JCU 1991; **19:** 442

Epididymitis

bilateral testicular infarction caused by epididymitis, Eisner DJ; Goldman SM; Petronis J; et al, AJR 1991; **157:** 517

color Doppler sonography in acute epididymitis and orchitis, Ralls PW; Jensen MC; Lee KP; et al, JCU 1990; **18:** 383

color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941

color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958

color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958

epididymitis associated with Müllerian duct cyst and calculus: sonographic diagnosis, Ardill RH; Manivel JC; Beier-Hanratty S; et al, AJR 1990; **155:** 91

false-positive scan for testicular torsion and false-negative scan for epididymitis, Rosenson AS; Ali A; Fordham EW; et al, Clin Nucl Med 1990; **15:** 863

MR imaging in the differential diagnosis of scrotal and testicular disease, Cramer BM; Schlegel EA; Thueroff JW, Radiographics 1991; **11:** 9

scrotal inflammatory disease: color Doppler US findings, Horstman WG; Middleton WD; Melson GL, Radiology 1991; **179:** 55

sonography of large scrotal infections, Jafri SZH; Bree RL; Madrazo BL; et al, JCU 1991; **19:** 413

subacute scrotal pain: evaluation of torsion versus epididymitis with MR imaging, Trambert MA; Mattrey RF; Levine D; Berthoty DP, Radiology 1990; **175:** 53

suspected testicular torsion and ischemia: evaluation with color Doppler sonography, Burks DD; Markey BJ; Burkhard TK; Balsara ZN; Haluszka MM; Canning DA, Radiology 1990; **175:** 815

three-phase bone scan reveals epididymo-orchitis, Schauwecker DS, Clin Nucl Med 1989; **14:** 468

tuberculous epididymo-orchitis: sonographic findings, Chung T; Harris RD, JCU 1991; **19:** 367

Epiglottitis

CT evaluation of adult epiglottitis, Walden CA; Rogers LF, JCAT 1989; **13:** 883

epiglottic enlargement: two unusual causes, Herman TE; McAlister WH, Pediatr Radiol 1991; **21:** 139

epiglottitis in AIDS patients, (ab), Rothstein SG; Persky MS; Edelman BA; et al, Radiology 1990; **174:** 904

Epilepsy

anterior temporal lobes and hippocampal formations: normative volumetric measurements from MR images in young adults, Jack CR Jr; Twomey CK; Zinsmeister AR; Sharbrough FW; Petersen RC; Cascino GD, Radiology 1989; **172:** 549

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

brain SPECT imaging in temporal lobe epilepsy, Krausz Y; Cohen D; Konstantini S; et al, Neuroradiol 1991; **33:** 274

cerebral perfusion abnormalities in therapy-resistant epilepsy in mentally retarded pediatric patients: comparison between EEG, x-ray CT, and Tc-99m HMPAO, Abdel-Dayem HM; Nawaz MK; Hassoon MM; et al, Clin Nucl Med 1991; **16:** 557

complex partial epilepsy: the role of neuroimaging in localizing a seizure focus for surgical intervention, Gzesh D; Goldstein S, J Nucl Med 1990; **31:** 1839

EEG scalp electrode projection onto three-dimensional surface rendered images of the brain, Jack CR Jr; Marsh WR; Hirschorn KA; Sharbrough FW; Cascino GD; Karwoski RA; Robb RA, Radiology 1990; **176:** 413

epilepsy, Fisher RS; Frost JJ, J Nucl Med 1991; **32:** 651

epilepsy and brain tumours in children, Hirsch J-F, J Neuroradiol 1989; **16:** 292

epilepsy in patients with brain metastases triggered by intravenous contrast medium, Avrahami E; Weiss-Peretz J; Cohn DF, Clin Radiol 1989; **40:** 422

epileptogenic cerebral vascular malformations and MRI, Trussart V; Berry I; Manelfe C; et al, J Neuroradiol 1989; **16:** 273

focal epilepsies: HM-PAO SPECT compared with CT, MR, and EEG, Cordes M; Christe W; Henkes H; et al, JCAT 1990; **14:** 402

imaging of epileptic lesions in adults: the three-dimensional approach, Fredy D, J Neuroradiol 1989; **16:** 265

indications of radiological explorations in partial epilepsy of childhood, Mancini J; Livet MO; Pinsard N, J Neuroradiol 1989; **16:** 301

initial experience with SPECT imaging of the brain using I-123 p-iodoamphetamine in focal epilepsy, LaManna MM; Sussman NM; Harner RN; et al, Clin Nucl Med 1989; **14:** 428

magnetic resonance imaging in partial epilepsy of childhood: seventy-nine cases, Peretti P; Raybaud C; Dravet C; et al, J Neuroradiol 1989; **16:** 308

magnetic resonance imaging in refractory focal epilepsy with normal CT scans, Froment JC; Mauguiere F; Fischer C; et al, J Neuroradiol 1989; **16:** 285

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Friedman D, Radiology 1991; **181:** 605

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Monsein LH, Radiology 1991; **181:** 605

mapping the distribution of amobarbital sodium in the intracarotid Wada test by use of Tc-99m HMPAO with SPECT, Jeffery PJ; Monsein LH; Szabo Z; Hart J; Fisher RS; Lesser RP; Debrun GM; Gordon B; Wagner HN Jr; Camargo EE, Radiology 1991; **178:** 847

methodology of "in vivo" anatomical study and stereo-electroencephalographic exploration in brain surgery for epilepsy, Musolino A; Tournoux P; Missir O; et al, J Neuroradiol 1990; **17:** 67

MR imaging–based volume measurements of the hippocampal formation and anterior temporal lobe: validation studies, Jack CR Jr; Bentley MD; Twomey CK; Zinsmeister AR, Radiology 1990; **176:** 205

MR imaging in chronic partial epilepsy: role of contrast enhancement, Elster AD; Mirza W, AJNR 1991; **12:** 165

MR imaging in chronic partial epilepsy: role of contrast enhancement, Elster AD; Mirza W, AJR 1991; **156:** 605

MR imaging in patients with intractable complex partial epileptic seizures, Brooks BS; King DW; El Gammal T; et al, AJNR 1990; **11:** 93

MR imaging in patients with intractable complex partial epileptic seizures, Brooks BS; King DW; El Gammal T; et al, AJR 1990; **154:** 577

multichannel biomagnetic system for study of electrical activity in the brain and heart, Schneider S; Hoenig E; Reichenberger H; Abraham-Fuchs K; Moshage W; Oppelt A; Stefan H; Weikl A; Wirth A, Radiology 1990; **176:** 825

prominent cisterna magna: Tc-99m HMPAO and MRI correlation, Spiegler EJ; Ratliff C Jr, Clin Nucl Med 1991; **16:** 452

single photon emission computed tomography in epilepsy, Devous MD Sr; Leroy RF; Homan RW, Semin Nucl Med 1990; **20:** 325

study of the cerebral blood flow in partial epilepsy of childhood using the SPECT method, Chiron C; Raynaud C; Dulac O; et al, J Neuroradiol 1989; **16:** 317

$^{99}Tc^{m}$-HMPAO single photon emission computed tomography in partial epilepsy: a preliminary report, Smith DF; Smith FW; Knight RSG; et al, Br J Radiol 1989; **62:** 970

technetium-99m-HMPAO brain SPECT in medically intractable temporal lobe epilepsy: a postoperative evaluation, Grünwald F; Durwen HF; Bockisch A; et al, J Nucl Med 1991; **32:** 388

temporal lobe seizures: lateralization with MR volume measurements of the hippocampal formation, Jack CR Jr; Sharbrough FW; Twomey CK; Cascino GD; Hirschorn KA; Marsh WR; Zinsmeister AR; Scheithauer B, Radiology 1990; **175:** 423

visual and quantitative analysis of interictal SPECT with technetium-99m-HMPAO in temporal lobe epilepsy, Rowe CC; Berkovic SF; Austin MC; et al, J Nucl Med 1991; **32:** 1688

Epinephrine

modulation of liver tumor blood flow with hepatic arterial epinephrine: a SPECT study, Andrews JC; Walker-Andrews SC; Juni JE; Warber S; Ensminger WD, Radiology 1989; **173:** 645

Epiphyses

See Bones, epiphyses

Erdheim-Chester disease

See Lipogranulomatosis

Ergot and ergot preparations

ergotism as a consequence of thromboembolic prophylaxis, Ashenburg RJ; Phillips DA, Radiology 1989; **170:** 375

Erythrocytes

See Red blood cells

Esophagitis

effects of hiatal hernia, reflux esophagitis, and glucagon on the quality of double-contrast esophagram, Ott DJ; Chen YM; Gelfand DW, Gastrointest Radiol 1989; **14:** 97

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

esophageal inflammation and stricture: complication of chronic granulomatous disease of childhood, Renner WR; Johnson JF; Lichtenstein JE; Kirks DR, Radiology 1991; **178:** 189

gallium-67 imaging in candidal esophagitis, Rundback JH; Goldfarb CR; Ongseng F, Clin Nucl Med 1990; **15:** 38

giant esophageal ulcer due to Clinoril, Levine MS; Rothstein RD; Laufer I, AJR 1991; **156:** 955

giant, human immunodeficiency virus-related ulcers in the esophagus, Levine MS; Loercher G; Katzka DA; Herlinger H; Rubesin SE; Laufer I, Radiology 1991; **180:** 323

mycobacterial esophagitis in AIDS, Goodman P; Pinero SS; Rance RM; et al, Gastrointest Radiol 1989; **14:** 103

oesophageal symptoms, their causes, treatment, and prognosis in patients with the acquired immunodeficiency syndrome, (ab), Connolly GM; Hawkins D; Harcourt-Webster JN; et al, Radiology 1990; **174:** 585

radiology of esophagitis: a pattern approach, Levine MS, Radiology 1991; **179:** 1

reflux esophagitis in patients with Zollinger-Ellison syndrome, (ab), Miller LS; Vinayek R; Frucht H; et al, Radiology 1990; **176:** 294

Esophagus, abnormalities

adenocarcinoma in Barrett's oesophagus: an overrated risk, (ab), Van der Veen AH; Dees J; Blankensteijn JD; et al, Radiology 1989; **172:** 882

atretic esophagus: transgastric balloon-assisted hydrostatic dilation, Kleinman PK; Waite RJ; Cohen IT; Hirsh MP; Belanger PL, Radiology 1989; **171:** 831

Barrett's esophagus: a prevalent, occult complication of gastroesophageal reflux disease, (ab), Winters C Jr; Spurling TJ; Chobanian SJ; et al, Radiology 1989; **170:** 899

case report: complete laryngotracheoesophageal cleft: CT diagnosis and associated abnormalities, Wilkinson AG; Mackenzie S; Hendry GMA, Clin Radiol 1990; **41:** 437

CT evaluation of achalasia, Rabushka LS; Fishman EK; Kuhlman JE, JCAT 1991; **15:** 434

esophageal disruption: evaluation with iohexol esophagography, Mills JOM, Radiology 1989; **173:** 284

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

indications for esophagectomy in nonmalignant Barrett's esophagus: a 10-year experience, (ab), Altorki NK; Skinner DB; Segalin A; et al, Radiology 1990; **177:** 889

manifestations of esophageal disease on plain chest radiographs, Stark P; Thordarson S; McKinney M, AJR 1990; **155:** 729

oesophageal atresia and other disorders with a similar antenatal presentation, Havard AC; MacDonald LM, Br J Radiol 1991; **64:** 557

oesophageal stenosis distal to oesophageal atresia, Sheridan J; Hyde I, Clin Radiol 1990; **42:** 274

other causes of distal esophageal ballooning, Raoul J-L; Bretagne J-F; Gastard J, Radiology 1989; **170:** 280

prevalance of columnar-lined (Barrett's) esophagus: comparison of population-based clinical and autopsy findings, (ab), Cameron AJ; Zinsmeister AR; Ballard DJ; et al, Radiology 1991; **179:** 588

prevalence and characteristics of Barrett esophagus in patients with adenocarcinoma of the esophagus or esophagogastric junction, (ab), Hamilton SR; Smith RRL; Cameron JL, Radiology 1989; **170:** 286

prevalence of abnormal esophageal test results in patients with cardiovascular disease and unexplained chest pain, (ab), Hewson EG; Dalton CB; Hackshaw BT; et al, Radiology 1990; **177:** 290

radiology of esophagitis: a pattern approach, Levine MS, Radiology 1991; **179:** 1

retrotracheal triangle, Raider L; Landry BA; Brogdon BG, Radiographics 1990; **10:** 1055

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

trachea and esophagus after repair of esophageal atresia and distal fistula: computed tomographic observations, Griscom NT; Martin TR, Pediatr Radiol 1990; **20:** 447

ultrafast CT of laryngeal and tracheobronchial obstruction in symptomatic postoperative infants with esophageal atresia and tracheoesophageal fistula, Kao SCS; Smith WL; Sato Y; et al, AJR 1990; **154:** 345

Esophagus, achalasia

See Achalasia

Esophagus, atresia

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Esophagus, CT

carcinoma of the esophagus: CT vs MR imaging in determining resectability, Takashima S; Takeuchi N; Shiozaki H; et al, AJR 1991; **156:** 297

chicken bone lodged in the upper esophagus: CT findings, Douglas M; Sistrom CL, Gastrointest Radiol 1991; **16:** 11

computed tomographic evaluation of paraesophageal hernia, Vas W; Malpani AR; Singer J; et al, Gastrointest Radiol 1989; **14:** 291

computerized tomographic prediction of extraluminal spread and prognostic implications of lesion width in esophageal cancer, (ab), Lefor AT; Merino MM; Steinberg SM; et al, Radiology 1989; **171:** 290

CT evaluation of achalasia, Rabushka LS; Fishman EK; Kuhlman JE, JCAT 1991; **15:** 434

CT of esophageal neoplasms, Halvorsen RA Jr; Thompson WM, Radiol Clin North Am 1989; **27:** 667

CT of malignant mesenchymoma of the esophagus, Onomura K; Ohno M; Uchino A; et al, Gastrointest Radiol 1989; **14:** 202

diffuse esophageal leiomyomatosis in a patient with Alport syndrome: CT demonstration, Rabushka LS; Fishman EK; Kuhlman JE; Hruban RH, Radiology 1991; **179:** 176

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

fibrovascular polyp of the esophagus with computed tomographic and pathological correlation, LeBlanc J; Carrier G; Ferland S; et al, J Canad Assoc Radiol 1990; **41:** 87

giant fibrovascular polyp of the esophagus: CT and MR findings, Whitman GJ; Borkowski GP, AJR 1989; **152:** 518

recurrent esophageal carcinoma at thoracotomy incisions: diagnostic contributions of CT, Recht MP; Coleman BG; Barbot DJ; et al, JCAT 1989; **13:** 58

role of computerized tomography in the staging of oesophageal cancer, Rankin S, Clin Radiol 1990; **42:** 152

role of interventional radiology in the management of major esophageal leaks, Maroney TP; Ring EJ; Gordon RL; Pellegrini CA, Radiology 1989; **170:** 1055

supraclavicular lymph node metastases in carcinoma of the esophagus and gastroesophageal junction: assessment with CT, US, and US-guided fine-needle aspiration biopsy, van Overhagen H; Lamêris JS; Berger MY; van der Voorde F; Tilanus HW; Klooswijk AIJ; Zonderland HM; van Pel R, Radiology 1991; **179:** 155

trachea and esophagus after repair of esophageal atresia and distal fistula: computed tomographic observations, Griscom NT; Martin TR, Pediatr Radiol 1990; **20:** 447

ultrafast CT of laryngeal and tracheobronchial obstruction in symptomatic postoperative infants with esophageal atresia and tracheoesophageal fistula, Kao SCS; Smith WL; Sato Y; et al, AJR 1990; **154:** 345

Esophagus, cysts

acute symptoms due to a huge duplication cyst ruptured into the esophagus, (ab), Nakahara K; Fujii Y; Miyoshi S; et al, Radiology 1991; **179:** 292

esophageal duplication cyst and aberrant right subclavian artery mimicking a symptomatic vascular ring, Hedlund GL; Bisset GS III, Pediatr Radiol 1989; **19:** 543

imaging of congenital esophageal cysts in adults, Bondestam S; Salo JA; Salonen OLM; et al, Gastrointest Radiol 1990; **15:** 279

Esophagus, diseases

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; **179:** 389

Esophagus, diverticula

esophageal diverticula, Reddy ER; Smith I; Clarke H, J Canad Assoc Radiol 1989; **40:** 306

esophageal intramural pseudodiverticulitis, Kim S; Choi C; Groskin SA, Radiology 1989; **173:** 418

esophageal intramural pseudodiverticulosis: a report of two cases with analysis of similar, less extensive changes in "normal" autopsy esophagi, (ab), Medeiros LJ; Doos WG; Balogh K, Radiology 1989; **170:** 286

giant epiphrenic diverticulum in a boy with Ehlers-Danlos syndrome, Toyohara T; Kaneko T; Araki H; et al, Pediatr Radiol 1989; **19:** 437

giant mid-oesophageal diverticulum: a rare cause of dysphagia, Etherington RJ; Clements D, Br J Radiol 1990; **63:** 221

incidental detection of esophageal diverticulum during gastric emptying examination, Malpani A; Blend M; Bekerman C; et al, Clin Nucl Med 1990; **15:** 576

intramural pseudodiverticulosis of the esophagus in corrosive strictures: report of three cases, Ramakantan R; Shah P, J Canad Assoc Radiol 1990; **41:** 90

multiple gastrointestinal tract diverticula, Cheng EH; Pavelock RR, Gastrointest Radiol 1990; **15:** 282

Esophagus, effects of irradiation on

response of the mouse mediastinum to single and fractionated x-rays, Hirn-Stadler B; Wbra F; Fowler JF; et al, Br J Radiol 1991; **64:** 740

small, superficial esophageal carcinoma treated with high-dose-rate intracavitary irradiation only, Hishikawa Y; Kurisu K; Taniguchi M; Kamikonya N; Miura T, Radiology 1989; **172:** 267

Esophagus, foreign bodies

See Foreign bodies, in air and food passages

Esophagus, function

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; **179:** 389

diffuse esophageal spasm: radiographic and manometric correlation, Chen YM; Ott DJ; Hewson EG; Richter JE; Wu WC; Gelfand DW; Castell DO, Radiology 1989; **170:** 807

effect of glucagon on esophageal peristalsis and clearance, Anvari M; Richards D; Dent J; et al, Gastrointest Radiol 1989; **14:** 100

esophageal motor function evaluated by scintigraphy, video-radiography and manometry in diabetic patients, Sundkvist G; Hillarp B; Lilja B; et al, Acta Radiol 1989; **30:** 17

impairment of esophageal emptying with hiatal hernia, (ab), Sloan S; Kahrilas PJ, Radiology 1991; **181:** 290

Esophagus, grafts and prostheses

dislocated Atkinson tubes: removal and repositioning with a balloon catheter, Jantsch H; Lechner G; Wittich GR; Wunderlich M; Karnel F; Niederle B, Radiology 1989; **170:** 885

esophagogastric neoplasms: palliation with a modified Gianturco stent, Song H-Y; Choi K-C; Cho B-H; Ahn D-S; Kim K-S, Radiology 1991; **180:** 349

Esophagus, hemorrhage

intramural hematoma of the esophagus caused by minor head injury 6 hours previously, de Vries RA; Kremer-Schneider MME; Otten MH, Gastrointest Radiol 1991; **16:** 283

Esophagus, inflammation

See Esophagitis

Esophagus, injuries

computed tomography of mediastinal hematoma secondary to unusual esophageal laceration: a Boerhaave variant, Pezzulli FA; Aronson D; Goldberg N, JCAT 1989; **13:** 129

oesophageal tears during pneumatic balloon dilatation for the treatment of achalasia, Adams H; Roberts GM; Smith PM, Clin Radiol 1989; **40:** 53

Esophagus, interventional procedure

atretic esophagus: transgastric balloon-assisted hydrostatic dilation, Kleinman PK; Waite RJ; Cohen IT; Hirsh MP; Belanger PL, Radiology 1989; **171:** 831

balloon dilatation of esophageal strictures, Sawhney S; Jain R; Berry M, Australas Radiol 1990; **34:** 200

balloon or bougie for dilatation of benign oesophageal stricture? an interim report of a randomised controlled trial, (ab), Cox JGC; Winter RK; Maslin SC; et al, Radiology 1989; **172:** 290

catheter removal of blunt esophageal foreign bodies in children: survey of the Society for Pediatric Radiology, Campbell JB; Condon VR, Pediatr Radiol 1989; **19:** 361

dislocated Atkinson tubes: removal and repositioning with a balloon catheter, Jantsch H; Lechner G; Wittich GR; Wunderlich M; Karnel F; Niederle B, Radiology 1989; **170:** 885

esophageal balloon dilatation: a follow-up study in 74 patients, Nóbrega J, Cardiovasc Intervent Radiol 1989; **12:** 255

esophageal edema as a predictor of unsuccessful balloon extraction of esophageal foreign body, Towbin RB; Lederman HM; Dunbar JS; et al, Pediatr Radiol 1989; **19:** 359

esophagogastric neoplasms: palliation with a modified Gianturco stent, Song H-Y; Choi K-C; Cho B-H; Ahn D-S; Kim K-S, Radiology 1991; **180:** 349

interventional radiologic management of enteric strictures, McLean GK; Meranze SG, Radiology 1989; **170:** 1049

radiographic evaluation of achalasia immediately after pneumatic dilatation with the Rigiflex dilator, Ott DJ; Donati D; Wu WC; et al, Gastrointest Radiol 1991; **16:** 279

role of interventional radiology in the management of major esophageal leaks, Maroney TP; Ring EJ; Gordon RL; Pellegrini CA, Radiology 1989; **170:** 1055

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, McLean GK; LeVeen RF, Radiology 1989; **172:** 983

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, Lindahl H; Rintala R, Radiology 1990; **175:** 879

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage: reply, McLean GK; LeVeen RF, Radiology 1990; **175:** 879

tubes in the alimentary and respiratory tracts: appearances on CT scans of the head and neck, Price DB, AJR 1991; **156:** 1047

Esophagus, motility

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; **179:** 389

diffuse esophageal spasm: radiographic and manometric correlation, Chen YM; Ott DJ; Hewson EG; Richter JE; Wu WC; Gelfand DW; Castell DO, Radiology 1989; **170:** 807

esophageal motility: assessment with synchronous video tape fluoroscopy and manometry, Ott DJ; Chen YM; Hewson EG; Richter JE; Dalton CB; Gelfand DW; Wu WC, Radiology 1989; **173:** 419

esophageal motility in children with Hirschsprung's disease, (ab), Staiano A; Corazziari E; Andreotti MR; et al, Radiology 1991; **181:** 296

multiple swallow test for the quantitative and qualitative evaluation of esophageal motility disorders, Tatsch K; Schroettle W; Kirsch C-M, J Nucl Med 1991; **32:** 1365

radiographic and manometric correlation in achalasia with apparent relaxation of the lower esophageal sphincter, Ott DJ; Richter JE; Chen YM; et al, Gastrointest Radiol 1989; **14:** 1

radiologic evaluation of esophageal motility: results in 170 patients with chest pain, Ott DJ; Abernethy WB; Chen MYM; et al, AJR 1990; **155:** 983

Esophagus, MR

carcinoma of the esophagus: CT vs MR imaging in determining resectability, Takashima S; Takeuchi N; Shiozaki H; et al, AJR 1991; **156:** 297

esophageal squamous cell carcinoma: MRI evaluation of mediastinum, Petrillo R; Balzarini L; Bidoli P; et al, Gastrointest Radiol 1990; **15:** 275

giant fibrovascular polyp of the esophagus: CT and MR findings, Whitman GJ; Borkowski GP, AJR 1989; **152:** 518

Esophagus, neoplasms

adenocarcinoma of the esophagus and esophago-gastric junction: the effects of single and combined modalities on the survival and patterns of failure following treatment, Whittington R; Coia LR; Haller DG, Int J Radiat Oncol Biol Phys 1990; **19:** 593

carcinoma of the esophagus: CT vs MR imaging in determining resectability, Takashima S; Takeuchi N; Shiozaki H; et al, AJR 1991; **156:** 297

carcinoma of the oesophagus—a review of 108 cases treated by radical radiotherapy, Slevin NJ; Stout R, Clin Radiol 1989; **40:** 200

case report: recurrent liposarcoma of the oesophagus, Yates SP; Collins MC, Clin Radiol 1990; **42:** 356

computerized tomographic prediction of extraluminal spread and prognostic implications of lesion width in esophageal cancer, (ab), Lefor AT; Merino MM; Steinberg SM; et al, Radiology 1989; **171:** 290

concomitant 5-fluorouracil infusion, mitomycin C and radical radiation therapy in esophageal squamous cell carcinoma, Chan A; Wong A; Arthur K, Int J Radiat Oncol Biol Phys 1989; **16:** 59

CT of esophageal neoplasms, Halvorsen RA Jr; Thompson WM, Radiol Clin North Am 1989; **27:** 667

CT of malignant mesenchymoma of the esophagus, Onomura K; Ohno M; Uchino A; et al, Gastrointest Radiol 1989; **14:** 202

diffuse esophageal leiomyomatosis in a patient with Alport syndrome: CT demonstration, Rabushka LS; Fishman EK; Kuhlman JE; Hruban RH, Radiology 1991; **179:** 176

dislocated Atkinson tubes: removal and repositioning with a balloon catheter, Jantsch H; Lechner G; Wittich GR; Wunderlich M; Karnel F; Niederle B, Radiology 1989; **170:** 885

effect of chemotherapy and radiotherapy on squamous cell carcinoma of the esophagus: a preoperative radiologic evaluation, Samuelsson L; Albertsson M; Hambraeus G; et al, Acta Radiol 1991; **32:** 247

endoscopic ultrasound in oesophageal cancer: the way forward?, Shorvon PJ, Clin Radiol 1990; **42:** 149

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; **181:** 342

epidural gas: an unusual complication of metastatic oesophageal carcinoma, Kennedy C; Phillips R; Kendall B, Neuroradiol 1990; **32:** 67

esophageal carcinoma in young patients, (ab), Mori M; Ohno S; Tsutsui S; et al, Radiology 1990; **177:** 594

esophageal carcinoma multiplex with gastric metastasis, Davis M; Gogel H; McIntire C; et al, Gastrointest Radiol 1989; **14:** 6

esophageal squamous cell carcinoma: MRI evaluation of mediastinum, Petrillo R; Balzarini L; Bidoli P; et al, Gastrointest Radiol 1990; **15:** 275

esophagogastric carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; Schouwink MH; Tytgat GNJ, Radiology 1989; **173:** 411

esophagogastric neoplasms: palliation with a modified Gianturco stent, Song H-Y; Choi K-C; Cho B-H; Ahn D-S; Kim K-S, Radiology 1991; **180:** 349

evaluation of endosonography in TN staging of oesophageal cancer, (ab), Ziegler K; Sanft C; Zeitz M; et al, Radiology 1991; **180:** 587

evaluation of the palliative effect of radiotherapy for esophageal carcinoma, Albertsson M; Ewers S-B; Widmark H; et al, Acta Oncol 1989; **28:** 267

fibrovascular polyp of the esophagus with computed tomographic and pathological correlation, LeBlanc J; Carrier G; Ferland S; et al, J Canad Assoc Radiol 1990; **41:** 87

gallium imaging of esophageal carcinoma: increased sensitivity with lateral views of the thorax, Sostre S; Romero I; Rivera JV; et al, Clin Nucl Med 1990; **15:** 163

giant fibrovascular polyp of the esophagus: CT and MR findings, Whitman GJ; Borkowski GP, AJR 1989; **152:** 518

impact of new radiotherapy modalities on the surgical management of cancer of the esophagus and cardia, Flores AD; Nelems B; Evans K; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 937

inflammatory pseudotumor of the esophagus, Braver JM; Do NK, Invest Radiol 1989; **24:** 246

long-term results of infusional 5-FU, mitomycin-C, and radiation as primary management of esophageal carcinoma, Coia LR; Engstrom PF; Paul AR; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 29

multiple primary cancer in patients with cancer of the head and neck: second cancer of the head and neck, esophagus, and lung, Licciardello JTW; Spitz MR; Hong WK, Int J Radiat Oncol Biol Phys 1989; **17:** 467

oesophageal carcinoma following internal mammary chain irradiation for carcinoma of the breast—a report of six cases, Davidson NGP; Roy UK; Khanna S, Acta Oncol 1990; **29:** 1059

palliative therapy of inoperable oesophageal carcinoma with radiotherapy and methotrexate: final results of a controlled clinical trial, Roussel A; Bleiberg H; Dalesio O; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 67

preoperative chemotherapy, surgical resection, and selective postoperative therapy for squamous cell carcinoma of the esophagus, (ab), Hilgenberg AD; Carey RW; Wilkins EW Jr; et al, Radiology 1989; **170:** 286

preoperative staging of esophageal cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Urmacher C; Brennan MF, Radiology 1991; **181:** 419

present status on treatment of esophageal cancer in China, Li D-J, Int J Radiat Oncol Biol Phys 1990; **18:** 477

prevalence and characteristics of Barrett esophagus in patients with adenocarcinoma of the esophagus or esophagogastric junction, (ab), Hamilton SR; Smith RRL; Cameron JL, Radiology 1989; **170:** 286

primary esophageal melanoma, Brown JH; Chew FS, AJR 1991; **157:** 318

primary small cell carcinoma of the esophagus: case presentation and review of the literature, Mulder LD; Gardiner GA; Weeks DA, Gastrointest Radiol 1991; **16:** 5

radiotherapy for carcinoma of the esophagus in patients aged eighty or older, Hishikawa Y; Kurisu K; Taniguchi M; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 685

radiotherapy of carcinoma of the esophagus in China—a review, Taifu L, Int J Radiat Oncol Biol Phys 1991; **20:** 875

randomized clinical trial on the combination of preoperative irradiation and surgery in the treatment of esophageal carcinoma: report on 206 patients, Mei W; Xian-Zhi G; Weibo Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 325

recurrent esophageal carcinoma at thoracotomy incisions: diagnostic contributions of CT, Recht MP; Coleman BG; Barbot DJ; et al, JCAT 1989; **13:** 58

results of radiotherapy for inoperable locally advanced esophageal cancer, Okawa T; Kita M; Tanaka M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 49

retrotracheal triangle, Raider L; Landry BA; Brogdon BG, Radiographics 1990; **10:** 1055

rising incidence of adenocarcinoma of the esophagus and gastric cardia, (ab), Blot WJ; Devesa SS; Kneller RW; et al, Radiology 1991; **180:** 882

role of computerized tomography in the staging of oesophageal cancer, Rankin S, Clin Radiol 1990; **42:** 152

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

small, superficial esophageal carcinoma treated with high-dose-rate intracavitary irradiation only, Hishikawa Y; Kurisu K; Taniguchi M; Kamikonya N; Miura T, Radiology 1989; **172:** 267

staging of esophageal carcinoma: comparison of results with endoscopic sonography and CT, Vilgrain V; Mompoint D; Palazzo L; et al, AJR 1990; **155:** 277

supraclavicular lymph node metastases in carcinoma of the esophagus and gastroesophageal junction: assessment with CT, US, and US-guided fine-needle aspiration biopsy, van Overhagen H; Laméris JS; Berger MY; van der Voorde F; Tilanus HW; Klooswijk AIJ; Zonderland HM; van Pel R, Radiology 1991; **179:** 155

survival and esophageal passage after radiotherapy of inoperable esophageal carcinoma: a retrospective study of 106 cases, Kellokumpu-Lehtinen P; Huovinen R; Nikkanen V, Acta Oncol 1990; **29:** 175

ten-year follow-up of esophageal cancer treated by radical radiation therapy: analysis of 869 patients, De-Ren S, Int J Radiat Oncol Biol Phys 1989; **16:** 329

ultrasonographic evaluation of cervical lymph node metastases in esophageal cancer with special reference to the relationship betwen the short to long axis ratio (S/L) and the cancer content, Tohnosu N; Onoda S; Isono K, JCU 1989; **17:** 101

Esophagus, obstruction

See Esophagus, stenosis or obstruction

Esophagus, perforation

CT evaluation of esophageal perforation following endoscopic sclerotherapy, Bogan ML; Conces DJ Jr, Comput Med Imag Graph 1989; **13:** 341

esophageal disruption: evaluation with iohexol esophagography, Mills JOM, Radiology 1989; **173:** 284

esophageal perforation, (ab), Flynn AE; Verrier ED; Way LW; et al, Radiology 1990; **175:** 587

esophageal perforation: a therapeutic challenge, (ab), Attar S; Hankins JR; Suter CM; et al, Radiology 1991; **179:** 292

esophageal perforation with mediastinal abscess in child abuse, Ablin DS; Reinhart MA, Pediatr Radiol 1990; **20:** 524

life-threatening acute posterior mediastinitis due to esophageal perforation, (ab), Burnett CM; Rosemurgy AS; Pfeiffer EA, Radiology 1991; **179:** 884

pediatric case of the day, Dangman BC; Griscom NT, Radiographics 1991; **11:** 156

role of interventional radiology in the management of major esophageal leaks, Maroney TP; Ring EJ; Gordon RL; Pellegrini CA, Radiology 1989; **170:** 1055

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, McLean GK; LeVeen RF, Radiology 1989; **172:** 983

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, Lindahl H; Rintala R, Radiology 1990; **175:** 879

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage: reply, McLean GK; LeVeen RF, Radiology 1990; **175:** 879

treatment of an esophageal perforation with enteral alimentation and transgastric drainage: case report, Rogoff PA, Cardiovasc Intervent Radiol 1991; **14:** 247

Esophagus, postoperative

esophageal disruption: evaluation with iohexol esophagography, Mills JOM, Radiology 1989; **173:** 284

other causes of distal esophageal ballooning, Raoul J-L; Bretagne J-F; Gastard J, Radiology 1989; **170:** 280

role of interventional radiology in the management of major esophageal leaks, Maroney TP; Ring EJ; Gordon RL; Pellegrini CA, Radiology 1989; **170:** 1055

Esophagus, radiography

effects of hiatal hernia, reflux esophagitis, and glucagon on the quality of double-contrast esophagram, Ott DJ; Chen YM; Gelfand DW, Gastrointest Radiol 1989; **14:** 97

esophageal insufflation and videofluoroscopy for evaluation of esophageal speech in laryngectomy patients: clinical implications, Sloane PM; Griffin JM; O'Dwyer TP, Radiology 1991; **181:** 433

evaluation of the esophagus with a marshmallow bolus: clarifying the cause of dysphagia, Ott DJ; Kelley TF; Chen MYM; et al, Gastrointest Radiol 1991; **16:** 1

manifestations of esophageal disease on plain chest radiographs, Stark P; Thordarson S; McKinney M, AJR 1990; **155:** 729

radiology of esophagitis: a pattern approach, Levine MS, Radiology 1991; **179:** 1

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

update on esophageal radiology, Levine MS; Rubesin SE; Ott DJ, AJR 1990; **155:** 933

use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Op den Orth JO, Radiology 1989; **173:** 601

Esophagus, radionuclide studies

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; **179:** 389

effect of projection in esophageal transit scintigraphy, Klein HA, Clin Nucl Med 1990; **15:** 157

esophageal motor function evaluated by scintigraphy, video-radiography and manometry in diabetic patients, Sundkvist G; Hillarp B; Lilja B; et al, Acta Radiol 1989; **30:** 17

gallium imaging of esophageal carcinoma: increased sensitivity with lateral views of the thorax, Sostre S; Romero I; Rivera JV; et al, Clin Nucl Med 1990; **15:** 163

multiple swallow test for the quantitative and qualitative evaluation of esophageal motility disorders, Tatsch K; Schroettle W; Kirsch C-M, J Nucl Med 1991; **32:** 1365

Esophagus, reflux

Barrett's esophagus: a prevalent, occult complication of gastroesophageal reflux disease, (ab), Winters C Jr; Spurling TJ; Chobanian SJ; et al, Radiology 1989; **170:** 899

effects of Buscopan on gastro-oesophageal reflux and hiatus hernia, Rajah RR, Clin Radiol 1990; **41:** 250

effects of hiatal hernia, reflux esophagitis, and glucagon on the quality of double-contrast esophagram, Ott DJ; Chen YM; Gelfand DW, Gastrointest Radiol 1989; **14:** 97

gastroesophageal reflux as a pathogenic factor in the development of symptomatic lower esophageal rings, (ab), Marshall JB; Kretschmar JM; Diaz-Arias AA, Radiology 1991; **178:** 586

gastro-esophageal reflux: comparative study between sonography and pH monitoring, Gomes H; Menanteau B, Pediatr Radiol 1991; **21:** 168

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine the imaging modality, Finkelstein MS; Mandell GA; Tarbell KV, Radiology 1990; **177:** 759

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Cohen HL; Haller JO, Radiology 1991; **179:** 877

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality: reply, Mandell GA; Finkelstein MS, Radiology 1991; **179:** 878

lipid aspiration pneumonia due to gastroesophageal reflux: a complication of nasogastric lipid feedings, Wolfson BJ; Allen JL; Panitch HB; et al, Pediatr Radiol 1989; **19:** 545

long-term radiographic follow-up of the Nissen fundoplication in children, Blane CE; Turnage RH; Oldham KT; et al, Pediatr Radiol 1989; **19:** 523

mechanisms of lower oesophageal sphincter incompetence in patients with symptomatic gastrooesophageal reflux, (ab), Dent J; Holloway RH; Toouli J; et al, Radiology 1989; **171:** 290

proposal of a modified scintigraphic method to evaluate duodenogastroesophageal reflux, Borsato N; Bonavina L; Zanco P; et al, J Nucl Med 1991; **32:** 436

radiologic diagnosis of gastro-oesophageal reflux, Fransson S-G; Sökjer H; Johansson K-E; et al, Acta Radiol 1989; **30:** 187

radiology of esophagitis: a pattern approach, Levine MS, Radiology 1991; **179:** 1

radiology of gastro-oesophageal reflux, Stevenson GW, Clin Radiol 1989; **40:** 119

relationship of a satisfactory outcome to normalization of delayed gastric emptying after Nissen fundoplication, (ab), Hinder RA; Stein HJ; Bremner CG; et al, Radiology 1990; **175:** 587

stridor and gastroesophageal reflux in infants, (ab), Nielson DW; Heidt GP; Tooley WH, Radiology 1990; **177:** 895

total fundoplication gastroplasty: surgical procedure and radiologic appearance, Zalev AH; Henderson RD; Marryatt GV, J Canad Assoc Radiol 1989; **40:** 12

ultrasound diagnosis of gastroesophageal reflux and hiatal hernia in infants and young children, Westra SJ; Wolf BHM; Staalman CR, JCU 1990; **18:** 477

ultrasound of gastroesophageal reflux in children, (ab), Westra SJ, Radiology 1990; **174:** 904

Esophagus, rupture

acute symptoms due to a huge duplication cyst ruptured into the esophagus, (ab), Nakahara K; Fujii Y; Miyoshi S; et al, Radiology 1991; **179:** 292

spontaneous rupture of the esophagus: a 30-year experience, (ab), Pate JW; Walker WA; Cole H Jr; et al, Radiology 1990; **174:** 289

Esophagus, spasm

diffuse esophageal spasm: radiographic and manometric correlation, Chen YM; Ott DJ; Hewson EG; Richter JE; Wu WC; Gelfand DW; Castell DO, Radiology 1989; **170:** 807

Esophagus, stenosis or obstruction

balloon dilatation of esophageal strictures, Sawhney S; Jain R; Berry M, Australas Radiol 1990; **34:** 200

balloon or bougie for dilatation of benign oesophageal stricture? an interim report of a randomised controlled trial, (ab), Cox JGC; Winter RK; Maslin SC; et al, Radiology 1989; **172:** 290

brain abscess following dilatation of esophageal stricture, Harp DL; Schlitt M; Williams JP; et al, Clin Imag 1989; **13:** 140

deglutition after near-fatal choking episode: radiologic evaluation, Feinberg MJ; Ekberg O, Radiology 1990; **176:** 637

dislocated Atkinson tubes: removal and repositioning with a balloon catheter, Jantsch H; Lechner G; Wittich GR; Wunderlich M; Karnel F; Niederle B, Radiology 1989; **170:** 885

esophageal balloon dilatation: a follow-up study in 74 patients, Nóbrega J, Cardiovasc Intervent Radiol 1989; **12:** 255

esophageal disruption: evaluation with iohexol esophagography, Mills JOM, Radiology 1989; **173:** 284

esophageal "jet" phenomenon revisited, Taylor AJ; Stewart ET; Dodds WJ, AJR 1990; **155:** 289

esophageal obstruction after ingestion of a fiber-containing diet pill, (ab), Seidner DL; Roberts IM; Smith MS, Radiology 1991; **180:** 587

esophageal strictures: balloon dilation, Cohen ME; Goldberg RI; Barkin JS, Radiology 1989; **171:** 285

esophageal strictures: balloon dilation: reply, Castaneda-Zuniga WR, Radiology 1989; **171:** 285

interventional radiologic management of enteric strictures, McLean GK; Meranze SG, Radiology 1989; **170:** 1049

intramural pseudodiverticulosis of the esophagus in corrosive strictures: report of three cases, Ramakantan R; Shah P, J Canad Assoc Radiol 1990; **41:** 90

oesophageal stenosis distal to oesophageal atresia, Sheridan J; Hyde I, Clin Radiol 1990; **42:** 274

pediatric case of the day, Dangman BC; Griscom NT, Radiographics 1991; **11:** 156

pill-induced esophageal strictures: clinical features and risk factors for development, (ab), McCord GS; Clouse RE, Radiology 1990; **177:** 594

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, McLean GK; LeVeen RF, Radiology 1989; **172:** 983

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, Lindahl H; Rintala R, Radiology 1990; **175:** 879

shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage: reply, McLean GK; LeVeen RF, Radiology 1990; **175:** 879

Esophagus, surgery

mediastinal seroma after esophagogastrectomy, Kronthal AJ; Heitmiller RF; Fishman EK; et al, AJR 1991; **156:** 715

total fundoplication gastroplasty: surgical procedure and radiologic appearance, Zalev AH; Henderson RD; Marryatt GV, J Canad Assoc Radiol 1989; **40:** 12

Esophagus, therapeutic radiology

carcinoma of the oesophagus—a review of 108 cases treated by radical radiotherapy, Slevin NJ; Stout R, Clin Radiol 1989; **40:** 200

concomitant 5-fluorouracil infusion, mitomycin C and radical radiation therapy in esophageal squamous cell carcinoma, Chan A; Wong A; Arthur K, Int J Radiat Oncol Biol Phys 1989; **16:** 59

effect of chemotherapy and radiotherapy on squamous cell carcinoma of the esophagus: a preoperative radiologic evaluation, Samuelsson L; Albertsson M; Hambraeus G; et al, Acta Radiol 1991; **32:** 247

evaluation of the palliative effect of radiotherapy for esophageal carcinoma, Albertsson M; Ewers S-B; Widmark H; et al, Acta Oncol 1989; **28:** 267

impact of new radiotherapy modalities on the surgical management of cancer of the esophagus and cardia, Flores AD; Nelems B; Evans K; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 937

long-term results of infusional 5-FU, mitomycin-C, and radiation as primary management of esophageal carcinoma, Coia LR; Engstrom PF; Paul AR; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 29

new technique for endocavitary irradiation of the esophagus, Pizzi GB; Beorchia A; Cereghini ME; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 261

palliative therapy of inoperable oesophageal carcinoma with radiotherapy and methotrexate: final results of a controlled clinical trial, Roussel A; Bleiberg H; Dalesio O; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 67

preoperative chemotherapy, surgical resection, and selective postoperative therapy for squamous cell carcinoma of the esophagus, (ab), Hilgenberg AD; Carey RW; Wilkins EW Jr; et al, Radiology 1989; **170:** 286

present status on treatment of esophageal cancer in China, Li D-J, Int J Radiat Oncol Biol Phys 1990; **18:** 477

radiotherapy for carcinoma of the esophagus in patients aged eighty or older, Hishikawa Y; Kurisu K; Taniguchi M; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 685

radiotherapy of carcinoma of the esophagus in China—a review, Taifu L, Int J Radiat Oncol Biol Phys 1991; **20:** 875

randomized clinical trial on the combination of preoperative irradiation and surgery in the treatment of esophageal carcinoma: report on 206 patients, Mei W; Xian-Zhi G; Weibo Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 325

results of radiotherapy for inoperable locally advanced esophageal cancer, Okawa T; Kita M; Tanaka M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 49

simple technique for intraluminal irradiation in oesophageal tumours using the high-dose-rate Microselectron, Burt PA; Notley HM; Stout R, Br J Radiol 1989; **62:** 748

small, superficial esophageal carcinoma treated with high-dose-rate intracavitary irradiation only, Hishikawa Y; Kurisu K; Taniguchi M; Kamikonya N; Miura T, Radiology 1989; **172:** 267

survival and esophageal passage after radiotherapy of inoperable esophageal carcinoma: a retrospective study of 106 cases, Kellokumpu-Lehtinen P; Huovinen R; Nikkanen V, Acta Oncol 1990; **29:** 175

ten-year follow-up of esophageal cancer treated by radical radiation therapy: analysis of 869 patients, De-Ren S, Int J Radiat Oncol Biol Phys 1989; **16:** 329

Esophagus, US

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; **179:** 389

endoscopic ultrasound in oesophageal cancer: the way forward?, Shorvon PJ, Clin Radiol 1990; **42:** 149

evaluation of endosonography in TN staging of oesophageal cancer, (ab), Ziegler K; Sanft C; Zeitz M; et al, Radiology 1991; **180:** 587

gastro-esophageal reflux: comparative study between sonography and pH monitoring, Gomes H; Menanteau B, Pediatr Radiol 1991; **21:** 168

Esophagus, varices

assessment of the risk of bleeding from esophageal varices by continuous monitoring of portal pressure, (ab), Ready JB; Robertson AD; Goff JS; et al, JVIR 1991; **2:** 418

bleeding gastroesophageal varices: gastric vein embolization after partial portal decompression, Coldwell DM; Moore ADA; Ben-Menachem Y; Johansen KH, Radiology 1991; **178:** 249

CT evaluation of esophageal perforation following endoscopic sclerotherapy, Bogan ML; Conces DJ Jr, Comput Med Imag Graph 1989; **13:** 341

development of the Cruveilhier-Baumgarten syndrome after endoscopic obliteration of oesophageal varices: report of a case, Dilawari JB; Chawla YK; Kaur U, Acta Radiol 1989; **30:** 401

direct catheterization of the mesenteric vein: combined surgical and radiologic approach to the treatment of variceal hemorrhage, Durham JD; Kumpe DA; Van Stiegmann G; Goff JS; Subber SW; Rothbarth LJ, Radiology 1990; **177:** 229

gastrohepatic ligament fibrosis following esophageal sclerotherapy: CT findings, Foster GS; Rosencranz M, JCAT 1989; **13:** 136

giant varices in portal hypertension: CT findings, Shapiro RS; Mendelson DS; Silvers AR; et al, Comput Med Imag Graph 1990; **14:** 269

hemodynamic significance of the paraumbilical vein in portal hypertension: assessment with duplex US, Mostbeck GH; Wittich GR; Herold C; Vergesslich KA; Walter RM; Frotz S; Sommer G, Radiology 1989; **170:** 339

percutaneous transhepatic embolization of gastroesophageal varices: results in 400 patients, L'Herminé C; Chastanet P; Delemazure O; et al, AJR 1989; **152:** 755

prospective controlled trial of elective endoscopic sclerotherapy in comparison with percutaneous transhepatic obliteration of esophageal varices in patients with nonalcoholic cirrhosis, (ab), Terabayashi H; Ohnishi K; Tsunoda T; et al, Radiology 1989; **170:** 899

radiology of esophagitis: a pattern approach, Levine MS, Radiology 1991; **179:** 1

transjugular intrahepatic portacaval stent shunt: preliminary clinical results, Richter GM; Noeldge G; Palmaz JC; Roessle M; Slegerstetter V; Franke M; Gerok W; Wenz W; Farthman E, Radiology 1990; **174:** 1027

treatment of variceal hemorrhage, Berman HL; DelGuercio LRM; Katz SG, Radiology 1991; **179:** 285

treatment of variceal hemorrhage: reply, Durham JD; Van Stiegmann G, Radiology 1991; **179:** 286

Esthesioneuroblastoma

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Estrogen

See Hormones

Ethanol

See Alcohol

Ethics, medical

approaches to increasing the ethical consistency of prior review of animal research, Prentice ED; Crouse DA; Rings RW, Invest Radiol 1990; **25:** 271

'do not resuscitate' order: a profile of its changing use, (ab), Jonsson PV; McNamee M; Campion EW, Radiology 1989; **172:** 296

ethics, cost containment, and the allocation of scarce resources, Priester R; Caplan AL, Invest Radiol 1989; **24:** 918

ethics in obstetric ultrasound, Chervenak FA; McCullough LB, J Ultrasound Med 1989; **8:** 493

fraud: the journal's role concerning fraudulent research, Sharp DW, Invest Radiol 1991; **26:** 586

method of euthanasia in animal study, Gregory SP; Waterman AE; Weaver BMQ, Radiology 1991; **179:** 288

method of euthanasia in animal study: reply, Hopper KD; Baird DE; Parker SH, Radiology 1991; **179:** 288

patient confidentiality in radiology, Brown DL, Radiology 1990; **177:** 587

unwitting authorship: the role of scientific journals in detection and sanctioning, Becker GJ, JVIR 1991; **2:** 307

Ethiodol

See Contrast media, fatty acid

Ethmoid bone

multiplanar reconstructions in the study of ethmoid anatomy, Masala W; Perugini S; Salvolini U; et al, Neuroradiol 1989; **31:** 151

thin section computed tomography in the evaluation of naso-ethmoidal trauma, Daly BD; Russell JL; Davidson MJ; et al, Clin Radiol 1990; **41:** 272

Ewing sarcoma

alterations of blood analyses at relapse of osteosarcoma and Ewing's sarcoma, Hannisdal E; Solheim ØP; Theodorsen L; et al, Acta Oncol 1990; **29:** 585

bone metastases from Ewing's sarcoma radiologically recapitulate the features of a primary Ewing's tumour, Plowman PN, Clin Radiol 1989; **40:** 498

case of the month: the warm and tender hip, Lee SH, Br J Radiol 1989; **62:** 495

chest wall resection for Ewing's sarcoma of the rib: an unnecessary procedure, (ab), Rao BN; Hayes A; Thompson EI; et al, Radiology 1989; **170:** 592

combined therapy of localized Ewing's sarcoma of bone: analysis of results in 100 patients, Barbieri E; Emiliani E; Zini G; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1165

comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; **179:** 247

Ewing's sarcoma with intracranial metastasis presenting depressed cerebral blood flow and metabolism in the contralateral gray matter, Mineura K; Yasuda T; Suda Y; et al, Comput Med Imag Graph 1989; **13:** 185

Ewing's tumour of rib presenting as chest mass, Khastigir T; Kapoor R; Kulpati DDS; et al, Australas Radiol 1989; **33:** 116

extraosseous Ewing's sarcoma: computed tomography evaluation before and after chemotherapy, Shirkhoda A; Peuchot M, Clin Imag 1989; **13:** 142

local control and survival of Ewing's sarcoma in children with radiotherapy and chemotherapy without radical surgery, Munoz A; Madero L; Amaya J; et al, Acta Oncol 1989; **28:** 245

long-term follow-up of Ewing's sarcoma of bone treated with combined modality therapy, Kinsella TJ; Miser JS; Waller B; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 389

primary Ewing sarcoma: follow-up with Ga-67 scintigraphy, Estes DN; Magill HL; Thompson EI; Hayes FA, Radiology 1990; **177:** 449

primary Ewing sarcoma of rib, Moser RP Jr; Davis MJ; Gilkey FW; Kransdorf MJ; Rosado de Christenson ML; Kumar R; Bloem JL; Stull MA, Radiographics 1990; **10:** 899

radiological features of extraskeletal Ewing sarcoma, O'Keeffe FN; Lorigan JG; Wallace S, Br J Radiol 1990; **63:** 456

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

role of angiography in limb-tumor surgery, Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM, Radiographics 1991; **11:** 1029

use of MR imaging to assess results of chemotherapy for Ewing sarcoma, Lemmi MA; Fletcher BD; Marina NM; et al, AJR 1990; **155:** 343

Excretory urography

See Urography

Exophthalmos

steroid induced exophthalmos: a case report, Fan CJ; Goh KL; Wang F; et al, Australas Radiol 1989; **33:** 182

Exostoses

radiographic findings in hereditary multiple exostoses and a new theory of the pathogenesis of exostoses, Pazzaglia UE; Pedrotti L; Beluffi G; et al, Pediatr Radiol 1990; **20:** 594

Extracorporeal oxygenation

See Infants, newborn, cardiovascular system; Infants, newborn, respiratory system

Extremities

See also Fingers and toes; under names of bones and joints, such as Femur; Knee; etc.

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

is there a relationship between femoral anteversion and leg torsion?, Reikerås O, Skeletal Radiol 1991; **20:** 409

sonographic evaluation of bone production at the distraction site in Ilizarov limb-lengthening procedures, Young JWR; Kostrubiak IS; Resnik CS; et al, AJR 1990; **154:** 125

Extremities, abnormalities

antenatal sonographic diagnosis of sirenomelia, Chenoweth CK; Kellogg SJ; Abu-Yousef MM, JCU 1991; **19:** 167

arm edema after radiation therapy: host factors, Steinfeld AD, Radiology 1991; **180:** 18

arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J, Radiology 1991; **180:** 177

case report 581, Kaveggia L; Afshani E; Gole D; et al, Skeletal Radiol 1989; **18:** 610

consistent arterial abnormalities associated with a variety of congenital malformations of the human lower limb, Levinsohn EM; Hootnick DR; Packard DS Jr, Invest Radiol 1991; **26:** 364

fetal limbs: normal and abnormal, Driscoll DA, Semin Roentgenol 1991; **26:** 12

imaging of tumoral calcinosis: new observations, Martinez S; Vogler JB III; Harrelson JM; Lyles KW, Radiology 1990; **174:** 215

limb shortening secondary to complications of vascular cannulae in the neonatal period, Guy RL; Holland JP; Shaw DG; et al, Skeletal Radiol 1990; **19:** 423

prenatal diagnosis of the ectrodactyly, ectodermal dysplasia, cleft palate (EEC) syndrome, Köhler R; Sousa P; Jorge CS, J Ultrasound Med 1989; **8:** 337

prenatal sonographic findings in a fetus with Proteus syndrome, Richards DS; Williams CA; Cruz AC; et al, J Ultrasound Med 1991; **10:** 47

puzzling intrauterine insults, Boothroyd AE; Shaw DG; Fixsen JA, Skeletal Radiol 1989; **18:** 457

radiographic imaging for Ilizarov limb lengthening in children, Blane CE; Herzenberg JE; DiPietro MA, Pediatr Radiol 1991; **21:** 117

radiographic manifestations of anomalies of the limbs, Ledesma-Medina J; Bender TM; Oh KS, Radiol Clin North Am 1991; **29:** 383

radiologic evaluation of limb-lengthening procedures, Walker CW; Aronson J; Kaplan PA; et al, AJR 1991; **156:** 353

reflex sympathetic dystrophy syndrome of the lower limbs in renal transplant patients treated with cyclosporin A, (ab), Muñoz-Gomez J; Collado A; Gratacós J; et al, Radiology 1991; **181:** 912

sirenomelia without Potter syndrome: MR characteristics, Savader SJ; Savader BL; Clark RA, JCAT 1989; **13:** 689

Extremities, amputation

MR imaging of stump neuroma, Donnal JF; Blinder RA; Coblentz CL; et al, JCAT 1990; **14:** 656

MRI of postamputation neuromas, Singson RD; Feldman F; Staron R; et al, Skeletal Radiol 1990; **19:** 259

Extremities, angiography

arteriographic study of variant arterial anatomy of the upper extremities, Uglietta JP; Kadir S, Cardiovasc Intervent Radiol 1989; **12:** 145

axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Grassi CJ; Polak JF, Radiology 1990; **175:** 651

comparison of nonsubtracted digital angiography and conventional screen-film angiography for the evaluation of patients with peripheral vascular disease, Picus D; Hicks ME; Darcy MD; Kleinhoffer MA, JVIR 1991; **2:** 359

contrast venography in patients with very edematous feet: use of transdermal illumination to aid in vein puncture, Bhargava R; Millward SF, Radiology 1991; **179:** 583

digital venography of the lower extremity, Lee KR; Templeton AW; Cox GG; et al, AJR 1989; **153:** 413

intraoperative arteriography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Pond GD; Seeley GW; Ovitt TW; Chernin MM; Yoshino MT; Roehrig H; McIntyre KE, Radiology 1989; **170:** 367

lower-extremity arteriography: current approach and techniques, Darcy MD, Radiology 1991; **178:** 615

medial brachial fascial compartment syndrome: anatomic basis of neuropathy after transaxillary arteriography, Smith DC; Mitchell DA; Peterson GW; Will AD; Mera SS; Smith LL, Radiology 1989; **173:** 149

peripheral arterial occlusive disease: P-31 MR spectroscopy of calf muscle, Williams DM; Fencil L; Chenevert TL, Radiology 1990; **175:** 381

peripheral DSA with automated stepping, Fink U; Heywang SH; Hilbertz T; et al, Eur J Radiol 1991; **13:** 50

phentolamine for enhanced visualization of distal arteries in lower extremity arteriography, Duprat G Jr; Mérette G; Roy P, J Canad Assoc Radiol 1989; **40:** 32

radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ, Radiology 1990; **175:** 79

randomized double-blind trial of midazolam/placebo and midazolam/fentanyl for sedation and analgesia in lower-extremity angiography, Cragg AH; Smith TP; Berbaum KS; et al, AJR 1991; **157:** 173

role of angiography in limb-tumor surgery, Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM, Radiographics 1991; **11:** 1029

subtracted versus non-subtracted digital imaging in peripheral angiography, Fink U; Heywang SH; Mayr B; et al, Eur J Radiol 1989; **9:** 236

techniques for lower-limb angiography: a comparative study, Smith TP; Cragg AH; Berbaum KS; Ryals TJ; Sato Y, Radiology 1990; **174:** 951

use of angiographic needles with or without stylets: pathologic assessment of vessel walls after puncture, Frood LR; Smith DC; Pappas JM; Elvin PK; Westengard JC; Saukel GW, JVIR 1991; **2:** 269

Extremities, blood supply

acute critical ischaemia of the limb: a prospective evaluation, (ab), Earnshaw JJ; Hopkinson BR; Makin GS, JVIR 1991; **2:** 288

acute limb ischemia due to arterial embolism of tumor, Ramchandani P; Morris MC; Zeit RM, Cardiovasc Intervent Radiol 1990; **13:** 372

anatomic relationship between the common femoral artery and vein: CT evaluation and clinical significance, Baum PA; Matsumoto AH; Teitelbaum GP; Zuurbier RA; Barth KH, Radiology 1989; **173:** 775

changing arteriosclerotic disease patterns and management strategies in lower-limb-threatening ischemia, (ab), Veith FJ; Gupta SK; Wengerter KR; et al, Radiology 1991; **179:** 294

chronic venous insufficiency: assessment with descending venography, Morano JU; Raju S, Radiology 1990; **174:** 441

effect of varying tourniquet applications on the flow pattern of lower extremity radionuclide venography, Vansant JP; Habibian RM; Melton RE, Clin Nucl Med 1990; **15:** 783

femoropopliteal reconstruction for claudication: the risk to life and limb, (ab), Kent KC; Donaldson MC; Attinger CE; et al, Radiology 1989; **171:** 885

interruption of critical aortoiliac collateral circulation during nonvascular operations: a cause of acute limb-threatening ischemia, (ab), Dietzek AM; Goldsmith J; Veith FJ; et al, JVIR 1991; **2:** 410

lower-extremity arteriography: current approach and techniques, Darcy MD, Radiology 1991; **178:** 615

lower-extremity vascular grafts placed for peripheral vascular disease: prospective evaluation with duplex Doppler sonography, Gooding GAW; Perez S; Rapp JH; Krupski WC, Radiology 1991; **180:** 379

percutaneous transluminal angioplasty of crural arteries, Horvath W; Oertl M; Haidinger D, Radiology 1990; **177:** 565

peripheral arterial occlusive disease: P-31 MR spectroscopy of calf muscle, Williams DM; Fencil L; Chenevert TL, Radiology 1990; **175:** 381

profundaplasty as the only reconstructive procedure in patients with severe ischemia of the lower extremity, (ab), Hansen AK; Bille S; Nielsen PH; et al, JVIR 1990; **1:** 136

use of radio-frequency field gradients to image blood flow and perfusion in vivo, Karczmar GS; Tavares NJ; Moseley ME, Radiology 1989; **172:** 363

venous reflux: assessing the level of incompetence, Athanasoulis CA; Yucel EK, Radiology 1990; **174:** 326

Extremities, CT

computed tomography as a diagnostic aid in diabetic and other problem feet, Williamson BRJ; Teates CD; Phillips CD; et al, Clin Imag 1989; **13:** 159

CT of swollen legs, Vaughan BF, Clin Radiol 1990; **41:** 24

Extremities, edema

contrast venography in patients with very edematous feet: use of transdermal illumination to aid in vein puncture, Bhargava R; Millward SF, Radiology 1991; **179:** 583

lymphedema of the lower extremities: evaluation by microcolloidal imaging, Intenzo CM; Desai AG; Kim SS; et al, Clin Nucl Med 1989; **14:** 107

Extremities, fractures

fractures of the coronoid process of the ulna, (ab), Regan W; Morrey B, Radiology 1990; **175:** 592

imaging evaluation of children after falls from a height: review of 45 cases, Roshkow JE; Haller JO; Hotson GC; Sciafani SJA; Mezzacappa PM; Rachlin S, Radiology 1990; **175:** 359

radiologic assessment of bones after Ilizarov procedures, Young JWR; Kovelman H; Resnik CS; Paley D, Radiology 1990; **177:** 89

Extremities, infection
arthritis associated with HIV infection: radiographic manifestations, Rosenberg ZS; Norman A; Solomon G, Radiology 1989; **173:** 171
bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL, Radiology 1989; **173:** 181
chronic complicated osteomyelitis of the lower extremity: evaluation with MR imaging, Mason MD; Zlatkin MB; Esterhai JL; Dalinka MK; Velchik MG; Kressel HY, Radiology 1989; **173:** 355
osteomyelitis: diagnosis with In-111–labeled leukocytes, Schauwecker DS, Radiology 1989; **171:** 141

Extremities, injuries
combined orthopedic and vascular injury in the lower extremities: indications for amputation, (ab), Odland MD; Gisbert VL; Gustilo RB; et al, JVIR 1991; **2:** 410
diagnostic imaging of lower extremity trauma, Mitchell MJ; Ho C; Resnick D; et al, Radiol Clin North Am 1989; **27:** 909
diagnostic imaging of upper extremity trauma, Kerr R, Radiol Clin North Am 1989; **27:** 891
exertional muscle injury: evaluation of concentric versus eccentric actions with serial MR imaging, Shellock FG; Fukunaga T; Mink JH; Edgerton VR, Radiology 1991; **179:** 659
extravasation of nonionic radiologic contrast media: efficacy of conservative treatment, Cohan RH; Dunnick NR; Leder RA; Baker ME, Radiology 1990; **176:** 65
is arterial proximity a valid indication for arteriography in penetrating extremity trauma? a prospective analysis, (ab), Weaver FA; Yellin AE; Bauer M; et al, JVIR 1991; **2:** 288
penetrating extremity trauma: identification of patients at high-risk requiring arteriography, (ab), Anderson RJ; Hobson RW II; Padberg FT; et al, Radiology 1990; **177:** 598
scintigraphic patterns of the reflex sympathetic dystrophy syndrome of the lower extremities, Intenzo CM; Kim S; Millin J; et al, Clin Nucl Med 1990; **14:** 657
sports-related muscle injuries: evaluation with MR imaging, Fleckenstein JL; Weatherall PT; Parkey RW; Payne JA; Peshock RM, Radiology 1989; **172:** 793

Extremities, measurement
arm edema after radiation therapy: host factors, Steinfeld AD, Radiology 1991; **180:** 18
arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J, Radiology 1991; **180:** 177

Extremities, MR
application of a connected-voxel algorithm to MR angiographic data, Saloner D; Hanson WA; Tsuruda JS; van Tyen R; Anderson CM; Lee RE, JMRI 1991; **1:** 423
chronic complicated osteomyelitis of the lower extremity: evaluation with MR imaging, Mason MD; Zlatkin MB; Esterhai JL; Dalinka MK; Velchik MG; Kressel HY, Radiology 1989; **173:** 355
comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; **179:** 247
deep venous thrombosis of extremities: role of MR imaging in the diagnosis, Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM, Radiology 1990; **174:** 425
effect of trabecular bone on the appearance of marrow in gradient-echo imaging of the appendicular skeleton, Sebag GH; Moore SG, Radiology 1990; **174:** 855
exercise-enhanced MR imaging of variations in forearm muscle anatomy and use: importance in MR spectroscopy, Fleckenstein JL; Bertocci LA; Nunnally RL; et al, AJR 1989; **153:** 693
exertional muscle injury: evaluation of concentric versus eccentric actions with serial MR imaging, Shellock FG; Fukunaga T; Mink JH; Edgerton VR, Radiology 1991; **179:** 659
failure of MR imaging to detect reflex sympathetic dystrophy of the extremities, Koch E; Hofer HO; Sialer G; et al, AJR 1991; **156:** 113
high-resolution fast low-angle shot magnetic resonance imaging of the normal hand, Bruhn H; Gyngell ML; Hänicke W; et al, Skeletal Radiol 1991; **20:** 259
MR imaging of the finger: correlation with normal anatomic sections, Erickson SJ; Kneeland JB; Middleton WD; et al, AJR 1989; **152:** 1013
MRI of postamputation neuromas, Singson RD; Feldman F; Staron R; et al, Skeletal Radiol 1990; **19:** 259
mycetoma: comparison of MR imaging with CT, Sharif HS; Clark DC; Aabed MY; Aideyan OA; Mattsson TA; Haddad MC; Ohman SO; Joshi RK; Hasan HA; Haleem A, Radiology 1991; **178:** 865
peripheral arterial occlusive disease: P-31 MR spectroscopy of calf muscle, Williams DM; Fencil L; Chenevert TL, Radiology 1990; **175:** 381
^{31}P NMR spectra of extremity sarcomas: diversity of metabolic profiles and changes in response to chemotherapy, Koutcher JA; Ballon D; Graham M; et al, Magn Res Med 1990; **16:** 19
pre- and postoperative imaging of vascularized fibular grafts, Manaster BJ; Coleman DA; Bell DA, Radiology 1990; **176:** 161
response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791
sports-related muscle injuries: evaluation with MR imaging, Fleckenstein JL; Weatherall PT; Parkey RW; Payne JA; Peshock RM, Radiology 1989; **172:** 793

Extremities, neoplasms
bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL, Radiology 1989; **173:** 181
case report 569, Sanchez RB; Quinn SF; Walling A; et al, Skeletal Radiol 1989; **18:** 485
comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; **179:** 247
extremity osteosarcomas: intraarterial chemotherapy and limb-sparing resection with 2-year follow-up, Kashdan BJ; Sullivan KL; Lackman RD; Shapiro MJ; Bonn J; Weiss AJ; Gardiner GA Jr, Radiology 1990; **177:** 95
from the archives of the AFIP: giant cell tumor of the upper extremity, Moser RP Jr; Kransdorf MJ; Gilkey FW; Manaster BJ, Radiographics 1990; **10:** 83
low-grade soft tissue sarcomas of the extremities: analysis of risk factors for metastasis, (ab), Donohue JH; Collin C; Friedrich C; et al, Radiology 1989; **170:** 296
osteosarcoma: angiographic assessment of response to preoperative chemotherapy, Carrasco CH; Charnsangavej C; Raymond AK; Richli WR; Wallace S; Chawla SP; Ayala AG; Murray JA; Benjamin RS, Radiology 1989; **170:** 839
osteosarcoma: MR imaging after preoperative chemotherapy, Pan G; Raymond AK; Carrasco CH; Wallace S; Kim EE; Shirkhoda A; Jaffe N; Murray JA; Benjamin RS, Radiology 1990; **174:** 517
osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811
^{31}P NMR spectra of extremity sarcomas: diversity of metabolic profiles and changes in response to chemotherapy, Koutcher JA; Ballon D; Graham M; et al, Magn Res Med 1990; **16:** 19
response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791
role of angiography in limb-tumor surgery, Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM, Radiographics 1991; **11:** 1029
role of brachytherapy in recurrent extremity sarcoma in patients treated with prior surgery and irradiation, Nori D; Shupak K; Shiu MH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1229

Extremities, radiography
diagnostic utility of lower extremity radiographs of young children with gait disturbance, (ab), Blatt SD; Rosenthal BM; Barnhart DC, Radiology 1991; **180:** 592
foot-fixator for exact imaging reproducibility in lower extremity radiography, Mattsson O, Acta Radiol 1989; **30:** 335

Extremities, radionuclide studies
arterial thrombosis and insufficiency causing diffusely decreased uptake by skeleton of a limb, Joyce JM; Conrad G; Shih W-J; et al, Semin Nucl Med 1991; **21:** 165
axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Grassi CJ; Polak JF, Radiology 1990; **175:** 651
deep vein thrombosis: scintigraphic diagnosis with In-111–labeled monoclonal antifibrin antibodies, Jung M; Kletter K; Dudczak R; Koppensteiner R; Minar E; Kahls P; Stümpflen A; Pokieser P; Ehringer H, Radiology 1989; **173:** 469
gallium uptake in a paraplegic patient with bilateral lower extremity fat necrosis, Wolpe FM; Chandarlapaty SKC; Jacobi JD; et al, Clin Nucl Med 1989; **14:** 930
hand and forearm Tc-99m HMDP bone image findings of reflex sympathetic dystrophy similar to those of radiopharmaceutical arterial administration in the arm, Shih W-J; Pulmano C, Clin Nucl Med 1989; **14:** 298
iodine-131 uptake in a patient with thyroid cancer and rheumatoid arthritis during acupuncture treatment, Otsuka N; Fukunaga M; Morita K; et al, Clin Nucl Med 1990; **15:** 29
lymphedema of the lower extremities: evaluation by microcolloidal imaging, Intenzo CM; Desai AG; Kim SS; et al, Clin Nucl Med 1989; **14:** 107
muscle perfusion with technetium-MIBI in lower extremity peripheral arterial diseases, Sayman HB; Urgancioglu I, J Nucl Med 1991; **32:** 1700
osteomyelitis: diagnosis with In-111–labeled leukocytes, Schauwecker DS, Radiology 1989; **171:** 141
radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ, Radiology 1990; **175:** 79
response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791
scintigraphic evaluation of Lyme disease: gallium-67 imaging of Lyme myositis, Kengen RAM; vd Linde M; Sprenger HG; et al, Clin Nucl Med 1990; **14:** 728
scintigraphic patterns of the reflex sympathetic dystrophy syndrome of the lower extremities, Intenzo CM; Kim S; Millin J; et al, Clin Nucl Med 1990; **14:** 657

Extremities, thrombosis
analysis of 1,084 consecutive lower extremities involved with acute venous thrombosis diagnosed by duplex scanning, (ab), Kerr TM; Cranley JJ; Johnson JR; et al, JVIR 1991; **2:** 288
axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Grassi CJ; Polak JF, Radiology 1990; **175:** 651
bilateral deep venous thrombosis in protein S deficiency: detection by radionuclide venography, Wegener WA; Heyman S, Clin Nucl Med 1990; **15:** 618
caudal migration of the Günther vena caval filter, Schneider P-A; Parmeggiani L; Piguet J-C; Bounameaux H, Radiology 1989; **173:** 465

changing concepts of deep venous thrombosis of the upper extremity: report of a series and review of the literature, (ab), Horattas MC; Wright DJ; Fenton AH; et al, Radiology 1989; **171:** 293

colour Doppler ultrasound of the post-phlebitic limb: sounding a cautionary note, Baxter GM; Duffy P; MacKechnie S, Clin Radiol 1991; **43:** 301

comparison of temperature profiles (DeVeTherm) and conventional venography in suspected lower limb thrombosis, Stevenson AJM; Moss JG; Kirkpatrick AE, Clin Radiol 1990; **42:** 37

computed tomography diagnosis of venous thrombosis of the lower extremities and pelvis with contrast material, (ab), Bauer AR Jr; Flynn RR, Radiology 1989; **170:** 902

deep vein thrombosis of lower extremities: diagnosis by real time ultrasonography, Gudmundsen TE; Vinje B; Pedersen T, Acta Radiol 1990; **31:** 473

deep venous thrombosis: longitudinal study with Duplex US, Mantoni M, Radiology 1991; **179:** 271

deep venous thrombosis of extremities: role of MR imaging in the diagnosis, Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM, Radiology 1990; **174:** 425

diagnosis of deep venous thrombosis of the leg using immunoscintigraphy with ^{111}In-labelled monoclonal antifibrin antibody fragments, Aronen H, Acta Radiol 1989; **30:** 159

ergotism as a consequence of thromboembolic prophylaxis, Ashenburg RJ; Phillips DA, Radiology 1989; **170:** 375

extensive thromboembolic disease of the hand and forearm: treatment with thrombolytic therapy, Lambiase RE; Paolella LP; Haas RA; Dorfman GS, JVIR 1991; **2:** 201

fibrinolytic therapy for upper-extremity arterial occlusions, Widlus DM; Venbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr, Radiology 1990; **175:** 393

fibrinolytic therapy for upper extremity occlusions, Morse MH; Baker AR, Radiology 1991; **178:** 580

fibrinolytic treatment of residual thrombus after catheter embolectomy for severe lower limb ischemia, (ab), Parent FN III; Bernhard VM; Pabst TS; et al, Radiology 1989; **172:** 886

iatrogenic changes at the venotomy site after percutaneous placement of the Greenfield filter, Dorfman GS; Cronan JJ; Paolella LP; Lambiase RE; Haas RA; Scola FH; Schepps B, Radiology 1989; **173:** 159

low-dose fibrinolytic therapy for recent lower extremity thromboembolism, Sniderman KW; Kalman PG; Odurny A; et al, J Canad Assoc Radiol 1989; **40:** 98

lower extremity venography with iohexol: results and complications, Lensing AWA; Prandoni P; Büller HR; Casara D; Cogo A; Wouter ten Cate J, Radiology 1990; **177:** 503

lower-extremity venous thrombosis in patients with acute hip fractures: determination of anatomic location and time of onset with compression sonography, Dorfman GS; Froehlich JA; Cronan JJ; et al, AJR 1990; **154:** 851

outcome analysis of patients with normal compression US examinations, Vaccaro JP; Cronan JJ; Dorfman GS, Radiology 1990; **175:** 645

overview of noninvasive methods of deep vein thrombosis detection, Hayt DB; Binkert BL, Clin Imag 1990; **14:** 179

prevalence of local venous thrombosis after transfemoral placement of a bird's nest vena caval filter, Hicks ME; Middleton WD; Picus D; Darcy MD; Kleinhoffer MA, JVIR 1990; **1:** 63

radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ, Radiology 1990; **175:** 79

rapid progression of peripheral vascular disease after diagnostic angiography, Fellmeth BD; Bookstein JJ; Lurie AL; Dillard JP, Radiology 1990; **175:** 71

recurrent deep venous thrombosis: limitations of US, Cronan JJ; Leen V, Radiology 1989; **170:** 739

symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ, Radiology 1990; **175:** 639

value of diagnostic tests for deep venous thrombosis: a decision analysis model, Venta LA; Venta ER; Mumford LM, Radiology 1990; **174:** 433

venous thrombosis in patients who have undergone major hip or knee surgery: detection with compression US and impedance plethysmography, Ginsberg JS; Caco CC; Brill-Edwards PA; Panju AA; Bona R; Demers CM; Tuters LM; Nugent P; McGinnis J; Grant BM; Vander Lander Vries MA, Radiology 1991; **181:** 651

visualization of calf veins by color flow imaging, van Bemmelen PS; Bedford G; Strandness DE, Ultrasound Med Biol 1990; **16:** 15

Extremities, US

axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Grassi CJ; Polak JF, Radiology 1990; **175:** 651

deep veins of the calf: assessment with color Doppler flow imaging, Polak JF; Culter SS; O'Leary DH, Radiology 1989; **171:** 481

deep venous thrombosis: longitudinal study with Duplex US, Mantoni M, Radiology 1991; **179:** 271

outcome analysis of patients with normal compression US examinations, Vaccaro JP; Cronan JJ; Dorfman GS, Radiology 1990; **175:** 645

recurrent deep venous thrombosis: limitations of US, Cronan JJ; Leen V, Radiology 1989; **170:** 739

role of ultrasound in the detection of non-radiopaque foreign bodies, Gilbert FJ; Campbell RSD; Bayliss AP, Clin Radiol 1990; **41:** 109

sciatic nerve: sonographic evaluation and anatomic-pathologic considerations, Graif M; Seton A; Nerubai J; Horoszowski H; Itzchak Y, Radiology 1991; **181:** 405

sonographic detection of foreign bodies of the extremities, Banerjee B; Das RK, Br J Radiol 1991; **64:** 107

symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ, Radiology 1990; **175:** 639

venous thrombosis in patients who have undergone major hip or knee surgery: detection with compression US and impedance plethysmography, Ginsberg JS; Caco CC; Brill-Edwards PA; Panju AA; Bona R; Demers CM; Tuters LM; Nugent P; McGinnis J; Grant BM; Vander Lander Vries MA, Radiology 1991; **181:** 651

Eye

cortical blindness during chemotherapy: clinical, CT, and MR correlations, Heran F; Defer G; Brugieres P; et al, JCAT 1990; **14:** 262

Eye, abnormalities

bilateral intraorbital meningoencephaloceles and associated midline craniofacial anomalies: MR and three-dimensional CT imaging, Levy RA; Wald SL; Aitken PA; et al, AJNR 1989; **10:** 1272

case report: Fraser syndrome, cryptophthalmos with small bowel malrotation, Woodhead P; Hall C, Clin Radiol 1990; **42:** 362

coloboma: evaluation with real-time sonography, Munk PL, AJR 1990; **154:** 391

color-flow Doppler sonography of persistent hyperplastic primary vitreous, Wells RG; Miro P; Brummond R, J Ultrasound Med 1991; **10:** 405

globe tenting: a sign of increased orbital tension, Dalley RW; Robertson WD; Rootman J, AJNR 1989; **10:** 181

opsoclonus-myoclonus syndrome: correlation of radiographic and pathological observations, Tuchman RF; Alvarez LA; Kantrowitz AB; et al, Neuroradiol 1989; **31:** 250

pediatric case of the day, Magill HL; Hanna SL; Brooks MT; Jenkins JJ III; Burton EW; Boulden TF; Seidel FG, Radiographics 1990; **10:** 515

Eye, CT

computed tomography of Grave's ophthalmopathy: diagnosis, management, and posttherapeutic evaluation, Shah KJ; Dasher BG; Brooks B, Clin Imag 1989; **13:** 58

imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; **9:** 1023

pediatric case of the day, Magill HL; Hanna SL; Brooks MT; Jenkins JJ III; Burton EW; Boulden TF; Seidel FG, Radiographics 1990; **10:** 515

Eye, diseases

brain SPECT imaging with Tc-99m HMPAO in ophthalmoplegia plus, Grünwald F; Zierz S; Broich K; et al, Clin Nucl Med 1991; **16:** 20

computed tomography of Grave's ophthalmopathy: diagnosis, management, and posttherapeutic evaluation, Shah KJ; Dasher BG; Brooks B, Clin Imag 1989; **13:** 58

computed tomography of salivary glands in Sjögren's syndrome, (ab), March DE; Rao VM; Zwillenberg D, Radiology 1989; **173:** 295

evaluation of the lacrimal apparatus with digital subtraction macrodacryocystography, Montecalvo RM; Zegel HG; Barnett FJ; Wulc AE; Piccone MR; Lecky DM; Freiman DB; Turner ML; Drass TA, Radiographics 1990; **10:** 483

Graves ophthalmopathy: role of MR imaging in radiation therapy, Just M; Kahaly G; Higer HP; Rösler HP; Kutzner J; Beyer J; Thelen M, Radiology 1991; **179:** 187

imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; **9:** 1023

MR imaging of Sjögren syndrome: correlation with sialography and pathology, Takashima S; Takeuchi N; Morimoto S; et al, JCAT 1991; **15:** 393

pterygia: single-fraction postoperative beta irradiation, Beyer DC, Radiology 1991; **178:** 569

salivary gland echography in patients with Sjögren's syndrome, (ab), Kawamura H; Taniguchi N; Itoh K; et al, Radiology 1990; **177:** 295

Eye, effects of irradiation on

neurovisual outcome following proton radiation therapy, Habrand JL; Austin-Seymour M; Birnbaum S; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1601

uveal melanoma: development of metastases after helium ion irradiation, Nowakowski VA; Ivery G; Castro JR; Char DH; Linstadt DE; Ahn D; Phillips TL; Quivey JM; Decker M; Petti PL; Collier JM, Radiology 1991; **178:** 277

Eye, hemorrhage

differentiation of detached retina and vitreous membrane with color flow Doppler, Wong AD; Cooperberg PL; Ross WH; Araki DN, Radiology 1991; **178:** 429

ultrasonically induced disruption and hemolysis of vitreous hemorrhages, Lucas BC; Driller J; Iwamoto T; et al, Ultrasound Med Biol 1989; **15:** 29

Eye, MR

artificial tears for orbital and ocular MR imaging, Bardenstein DS; Smith AS, Radiology 1991; **179:** 584

changes in MR of malignant melanomas induced by glucose and fructose: a clinical and experimental investigation, Naeser P; Thuomas KA; Roberto A; et al, Acta Radiol 1991; **32:** 206

GdDTPA-enhanced magnetic resonance imaging of the aqueous flow in the rabbit eye, Cheng H-M; Kwong KK; Xiong J; et al, Magn Res Med 1991; **17:** 237

Graves ophthalmopathy: role of MR imaging in radiation therapy, Just M; Kahaly G; Higer HP; Rösler HP; Kutzner J; Beyer J; Thelen M, Radiology 1991; **179:** 187

histologic basis for increased extraocular muscle enhancement in gadolinium-enhanced MR imaging, Kaissar G; Kim JH; Bravo S; Sze G, Radiology 1991; **179:** 541

imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; **9:** 1023

intraocular lesions in patients with systemic disease: findings on MR imaging, Tonami H; Tamamura H; Kimizu K; et al, AJNR 1989; **10:** 1185

intraocular lesions in patients with systemic disease: findings on MR imaging, Tonami H; Tamamura H; Kimizu K; et al, AJR 1990; **154:** 385

MR imaging of Sjögren syndrome: correlation with sialography and pathology, Takashima S; Takeuchi N; Morimoto S; et al, JCAT 1991; **15:** 393

MR of uncommon congenital and vascular lesions of the intracranial visual pathways, El Gammal T; Brooks BS; Harbour R; et al, Neuroradiol 1990; **32:** 488

ocular hazard of metallic fragments during MR imaging at 0.06 T, Kelsey CA; King JN; Keck GM; Chiu MT; Wolfe DM; Orrison WW, Radiology 1991; **180:** 282

pediatric case of the day, Magill HL; Hanna SL; Brooks MT; Jenkins JJ III; Burton EW; Boulden TF; Seidel FG, Radiographics 1990; **10:** 515

shortcomings and pitfalls of ocular MRI, Wilms G; Marchal G; Van Fraeyenhoven L; et al, Neuroradiol 1991; **33:** 320

treatment of choroidal melanoma: MR imaging in the assessment of radioactive plaque position, Hanna SL; Lemmi MA; Langston JW; Fontanesi J; Brooks HL Jr; Gronemeyer SA, Radiology 1990; **176:** 851

Eye, neoplasms

changes in MR of malignant melanomas induced by glucose and fructose: a clinical and experimental investigation, Naeser P; Thuomas KA; Roberto A; et al, Acta Radiol 1991; **32:** 206

ciliary body melanoma treated with helium particle irradiation, Decker M; Castro JR; Linstadt DE; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 243

conjunctival lymphoma: results and treatment with a single anterior electron field. a lens sparing approach, Dunbar SF; Linggood RM; Doppke KP; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 249

conservative treatment of uveal melanoma: local recurrence after proton beam therapy, Munzenrider JE; Verhey LJ; Gragoudas ES; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 493

echographic differentiation of histological types of intraocular melanoma, Thijssen JM; Verbeek AM; Romijn RL; et al, Ultrasound Med Biol 1991; **17:** 127

in vivo ultrasound backscattering estimation for tumour diagnosis: an animal study, Romijn RL; Thijssen JM; van Delft JL; et al, Ultrasound Med Biol 1989; **15:** 471

long-term results of helium ion irradiation of uveal melanoma, Linstadt D; Castro J; Char D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 613

ocular melanoma: detection using iodine-123-iodoamphetamine and SPECT imaging, Dewey SH; Leonard JC, J Nucl Med 1990; **31:** 375

ocular melanoma: total dose and dose rate effects with Co-60 plaque therapy, Beitler JJ; McCormick B; Ellsworth RM; Abramson DH; Anderson LL; Loffredo C, Radiology 1990; **176:** 275

primary central nervous system lymphoma: analysis of prognostic variables and patterns of treatment failure, Michalski JM; Garcia DM; Kase E; Grigsby PW; Simpson JR, Radiology 1990; **176:** 855

sebaceous carcinoma of the ocular adnexa: radiotherapeutic management, Pardo FS; Wang CC; Albert D; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 643

shortcomings and pitfalls of ocular MRI, Wilms G; Marchal G; Van Fraeyenhoven L; et al, Neuroradiol 1991; **33:** 320

treatment of choroidal melanoma: MR imaging in the assessment of radioactive plaque position, Hanna SL; Lemmi MA; Langston JW; Fontanesi J; Brooks HL Jr; Gronemeyer SA, Radiology 1990; **176:** 851

uveal melanoma: development of metastases after helium ion irradiation, Nowakowski VA; Ivery G; Castro JR; Char DH; Linstadt DE; Ahn D; Phillips TL; Quivey JM; Decker M; Petti PL; Collier JM, Radiology 1991; **178:** 277

Eye, radionuclide studies

ocular melanoma: detection using iodine-123-iodoamphetamine and SPECT imaging, Dewey SH; Leonard JC, J Nucl Med 1990; **31:** 375

Eye, therapeutic radiology

aggressive management of second primary tumors in survivors of hereditary retinoblastoma, Smith LM; Donaldson SS; Egbert PR; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 499

analysis of treatment results in 36 children with retinoblastoma treated byscleral plaque irradiation, Amendola BE; Markoe AM; Augsburger JJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 63

ciliary body melanoma treated with helium particle irradiation, Decker M; Castro JR; Linstadt DE; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 243

conjunctival lymphoma: results and treatment with a single anterior electron field. a lens sparing approach, Dunbar SF; Linggood RM; Doppke KP; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 249

conservative treatment of uveal melanoma: local recurrence after proton beam therapy, Munzenrider JE; Verhey LJ; Gragoudas ES; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 493

external beam irradiation for retinoblastoma: patterns of failure and dose-response analysis, Foote RL; Garretson BR; Schomberg PJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 823

Graves ophthalmopathy: role of MR imaging in radiation therapy, Just M; Kahaly G; Higer HP; Rösler HP; Kutzner J; Beyer J; Thelen M, Radiology 1991; **179:** 187

interactive treatment planning system for ophthalmic plaque radiotherapy, Astrahan MA; Luxton G; Jozsef G; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 679

long-term results of helium ion irradiation of uveal melanoma, Linstadt D; Castro J; Char D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 613

MR technique for localization and verification procedures in episcleral brachytherapy, Houdek PV; Schwade JG; Medina AJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1111

ocular melanoma: total dose and dose rate effects with Co-60 plaque therapy, Beitler JJ; McCormick B; Ellsworth RM; Abramson DH; Anderson LL; Loffredo C, Radiology 1990; **176:** 275

oncology/radiation therapy: RSNA '89 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1990; **174:** 919

prognostic factors in the radiotherapy of Graves' ophthalmopathy, Petersen IA; Kriss JP; McDougall IR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 259

pterygia: single-fraction postoperative beta irradiation, Beyer DC, Radiology 1991; **178:** 569

recurrent pterygia: results of postoperative treatment with Sr-90 applicators, Campbell OR; Amendola BE; Brady LW, Radiology 1990; **174:** 565

sebaceous carcinoma of the ocular adnexa: radiotherapeutic management, Pardo FS; Wang CC; Albert D; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 643

study of dose perturbation parameters for eye shielding in megavoltage photon beam therapy, Das IJ; Kase KR; Fitzgerald TJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 461

thin I-125 seed eye plaque to treat intraocular tumors using an acrylic insert to precisely position the sources, Karolis C; Frost RB; Billson FA, Int J Radiat Oncol Biol Phys 1990; **18:** 1209

treatment of choroidal melanoma: MR imaging in the assessment of radioactive plaque position, Hanna SL; Lemmi MA; Langston JW; Fontanesi J; Brooks HL Jr; Gronemeyer SA, Radiology 1990; **176:** 851

Eye, US

coloboma: evaluation with real-time sonography, Munk PL, AJR 1990; **154:** 391

color-flow Doppler sonography of persistent hyperplastic primary vitreous, Wells RG; Miro P; Brummond R, J Ultrasound Med 1991; **10:** 405

echographic differentiation of histological types of intraocular melanoma, Thijssen JM; Verbeek AM; Romijn RL; et al, Ultrasound Med Biol 1991; **17:** 127

head and neck radiology. RSNA '88 meeting notes, Som PM; Curtin HD; Lufkin RB; Holliday RA; Reede DL, Radiology 1989; **170:** 603

in vivo ultrasound backscattering estimation for tumour diagnosis: an animal study, Romijn RL; Thijssen JM; van Delft JL; et al, Ultrasound Med Biol 1989; **15:** 471

measurement-based ophthalmic ultrasonography, Buschmann W; Haigis W, Ultrasound Med Biol 1989; **15:** 161

ultrasonically induced disruption and hemolysis of vitreous hemorrhages, Lucas BC; Driller J; Iwamoto T; et al, Ultrasound Med Biol 1989; **15:** 29

F

Face

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diagnosis of infections associated with acrylic cranioplasties, Benzel EC; Thammavaram K; Kesterson L, Neuroradiol 1990; **32:** 151

Face, abnormalities

bilateral intraorbital meningoencephaloceles and associated midline craniofacial anomalies: MR and three-dimensional CT imaging, Levy RA; Wald SL; Aitken PA; et al, AJNR 1989; **10:** 1272

estimation of maxillary alveolar cleft volume by three-dimensional CT, Bradrick JP; Smith AS; Ohman JC; et al, JCAT 1990; **14:** 994

facial skeleton remodeling due to temporomandibular joint degeneration: an imaging study of 100 patients, Schellhas KP; Piper MA; Omlie MR, AJR 1990; **155:** 373

Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Eich GF; Silver MM; Weksberg R; Daneman A; Costa T, Radiology 1991; **181:** 183

prenatal ultrasonographic appearance of the agnathia malformation complex, Persutte WH; Lenke RR; DeRosa RT, J Ultrasound Med 1990; **9:** 725

sonography of facial features of alobar and semilobar holoprosencephaly, McGahan JP; Nyberg DA; Mack LA, AJR 1990; **154:** 143

unusual case of craniofacial fibrous dysplasia presenting in early infancy, Eich GF; Babyn P; Armstrong D; et al, Pediatr Radiol 1990; **20:** 495

Face, CT

bilateral intraorbital meningoencephaloceles and associated midline craniofacial anomalies: MR and three-dimensional CT imaging, Levy RA; Wald SL; Aitken PA; et al, AJNR 1989; **10:** 1272

effect of computed tomographic scan orientation on information loss in the three-dimensional reconstruction of tripod zygomatic fractures, Levy RA; Kellman RM; Rosenbaum AE, Invest Radiol 1991; **26:** 427

estimation of maxillary alveolar cleft volume by three-dimensional CT, Bradrick JP; Smith AS; Ohman JC; et al, JCAT 1990; **14:** 994

lesions that manifest as medial cheek and nasolabial fold masses, Som PM; Norton KI, Radiology 1991; **178:** 831

three-dimensional computed tomography in maxillofacial surgical planning, (ab), Schellhas KP; El Deeb M; Wilkes CH; et al, Radiology 1989; **170:** 590

Face, fractures

diagnostic imaging of craniofacial fractures, Pathria MN; Blaser SI, Radiol Clin North Am 1989; **27:** 839

effect of computed tomographic scan orientation on information loss in the three-dimensional reconstruction of tripod zygomatic fractures, Levy RA; Kellman RM; Rosenbaum AE, Invest Radiol 1991; **26:** 427

orbital fractures: surface coil MR imaging, Tonami H; Yamamoto I; Matsuda M; Tamamura H; Yokota H; Nakagawa T; Takarada A; Okimura T, Radiology 1991; **179:** 789

Face, injuries

facial trauma and associated brain damage, Gentry LR, Radiol Clin North Am 1989; **27:** 435

Face, MR

bilateral intraorbital meningoencephaloceles and associated midline craniofacial anomalies: MR and three-dimensional CT imaging, Levy RA; Wald SL; Aitken PA; et al, AJNR 1989; **10:** 1272

lesions that manifest as medial cheek and nasolabial fold masses, Som PM; Norton KI, Radiology 1991; **178:** 831

Face, neoplasms

case report 601, Akai M; Ohno T; Sugano I; et al, Skeletal Radiol 1990; **19:** 154

clinical-radiologic issues in perineural tumor spread of malignant diseases of the extracranial head and neck, Parker GD; Harnsberger HR, Radiographics 1991; **11:** 383

craniofacial chondrosarcomas: imaging findings in 15 untreated cases, Lee Y-Y; Van Tassel P, AJNR 1989; **10:** 165

lesions that manifest as medial cheek and nasolabial fold masses, Som PM; Norton KI, Radiology 1991; **178:** 831

Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN, Radiology 1991; **179:** 579

perineural tumor extension through the foramen ovale: evaluation with MR imaging, Laine FJ; Braun IF; Jensen ME; Nadel L; Som PM, Radiology 1990; **174:** 65

Face, US

sonography of facial features of alobar and semilobar holoprosencephaly, McGahan JP; Nyberg DA; Mack LA, AJR 1990; **154:** 143

Fallopian tubes

bilateral fallopian tubal polyps: radiologic and pathologic correlation, Chung CJ; Curry NS; Williamson HO; et al, Urol Radiol 1990; **12:** 120

diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Lindequist S; Justesen P; Larsen C; Rasmussen F, Radiology 1991; **179:** 69

ectopic pregnancy: features at transvaginal sonography, Fleischer AC; Pennell RG; McKee MS; Worrell JA; Keefe B; Herbert CM III; Hill GA; Cartwright PS; Kepple DM, Radiology 1990; **174:** 375

hysterosalpingo-contrast sonography of the uterus and fallopian tubes: results of a clinical trial of a new contrast medium in 120 patients, Schlief R; Deichert U, Radiology 1991; **178:** 213

hysterosalpingography and fallopian tube cannulation: use of a double-balloon introducing catheter, Meyerovitz MF, Radiology 1991; **181:** 901

peritubal adhesions in infertile women: diagnosis with hysterosalpingography, Karasick S; Goldfarb AF, AJR 1989; **152:** 777

proximal fallopian tube occlusion: diagnosis and treatment with transcervical fallopian tube catheterization, Kumpe DA; Zwerdlinger SC; Rothbarth LJ; Durham JD; Albrecht BH, Radiology 1990; **177:** 183

therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Rasmussen F; Lindequist S; Larsen C; Justesen P, Radiology 1991; **179:** 75

value of hysterosalpingography before reversal of sterilization procedures involving the fallopian tubes, Karasick S; Ehrlich S, AJR 1989; **153:** 1247

Fallopian tubes, abscess

computed tomography of tuboovarian abscesses, Wilbur A, JCAT 1990; **14:** 625

CT findings in tuboovarian abscess, Ellis JH; Francis IR; Rhodes M; et al, JCAT 1991; **15:** 589

Fallopian tubes, CT

computed tomography of tuboovarian abscesses, Wilbur A, JCAT 1990; **14:** 625

Fallopian tubes, diseases

fallopian tubes: improved technique for catheterization, Thurmond AS; Rösch J, Radiology 1990; **174:** 572

hysterosalpingo-contrast sonography of the uterus and fallopian tubes: results of a clinical trial of a new contrast medium in 120 patients, Schlief R; Deichert U, Radiology 1991; **178:** 213

nonsurgical fallopian tube recanalization for treatment of infertility, Thurmond AS; Rösch J, Radiology 1990; **174:** 371

Fallopian tubes, interventional procedure

device for hysterosalpingography and fallopian tube catheterization, Thurmond AS; Uchida BT; Rösch J, Radiology 1990; **174:** 571

fallopian tube catheterization, (ab), Thurmond AS; Rosch J, Radiology 1990; **174:** 900

fallopian tube catheterization: modified fluoroscopic technique, LaBerge JM; Ponec DJ; Gordon RL, Radiology 1990; **176:** 283

fallopian tubes: improved technique for catheterization, Thurmond AS; Rösch J, Radiology 1990; **174:** 572

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

hysterosalpingography and fallopian tube cannulation: use of a double-balloon introducing catheter, Meyerovitz MF, Radiology 1991; **181:** 901

nonsurgical fallopian tube recanalization for treatment of infertility, Thurmond AS; Rösch J, Radiology 1990; **174:** 371

nonsurgical fallopian tube recanalization for treatment of infertility, Gleicher N; Confino E, Radiology 1990; **177:** 589

nonsurgical fallopian tube recanalization for treatment of infertility: reply, Thurmond AS, Radiology 1990; **177:** 589

proximal fallopian tube occlusion: diagnosis and treatment with transcervical fallopian tube catheterization, Kumpe DA; Zwerdlinger SC; Rothbarth LJ; Durham JD; Albrecht BH, Radiology 1990; **177:** 183

radiographic fallopian tube recanalization: absorbed ovarian radiation dose, Hedgpeth PL; Thurmond AS; Fry R; Schmidgall JR; Rösch J, Radiology 1991; **180:** 121

selective injection of contrast media: inflammatory effects on rabbit fallopian tubes, Thurmond AS; Hedgpeth PL; Scanlan RM, Radiology 1991; **180:** 97

selective osteal salpingography and transvaginal catheter dilatation in the diagnosis and treatment of fallopian tube obstruction, Lang EK; Dunaway HE Jr; Roniger WE, AJR 1990; **154:** 735

selective salpingography and fallopian tube recanalization, Thurmond AS, AJR 1991; **156:** 33

technique for US-guided fallopian tube catheterization, Breckenridge JW; Schinfeld JS, Radiology 1991; **180:** 569

transcervical balloon tuboplasty: a multicenter study, (ab), Confino E; Tur-Kaspa I; DeCherney A; et al, JVIR 1991; **2:** 300

transcervical salpingoplasty: current techniques and results, Darcy MD; McClennan BL; Picus D; et al, Urol Radiol 1991; **13:** 74

US-guided fallopian tube catheterization, Thurmond AS; Patton PE; Hector DM; Jones MK, Radiology 1991; **180:** 571

Fallopian tubes, MR

primary carcinoma of the fallopian tube: a retrospective study of patients reported to the Danish Cancer Registry in a five-year period, Pfeiffer P; Mogensen H; Amtrup F; et al, Acta Oncol 1989; **28:** 7

Fallopian tubes, neoplasms

carcinoma of the fallopian tube presenting as renal failure: case report, Zalev AH; Trudeau ME, J Canad Assoc Radiol 1989; **40:** 112

toxicity of open-field whole abdominal irradiation as primary postoperative treatment in gynecologic malignancy, Schray MF; Martinez A; Howes AE, Int J Radiat Oncol Biol Phys 1989; **16:** 397

transvaginal ultrasound and the diagnosis of fallopian tubal carcinoma, Ajjimakorn S; Bhamarapravati Y, JCU 1991; **19:** 116

Fallopian tubes, stenosis or obstruction

organic vs functional obstruction of the fallopian tubes: differentiation with prostaglandin antagonist- and β_2-agonist-mediated hysterosalpingography and selective ostial salpingography, Lang EK, AJR 1991; **157:** 77

Fallopian tubes, US

can the status of tubal pregnancy be predicted with transvaginal sonography? a prospective comparison of sonographic, surgical, and serum hCG findings, Cacciatore B, Radiology 1990; **177:** 481

endometriosis of the right fallopian tube mimicking appendicitis on sonography, Kirshenbaum KJ; Warner JJ; Nadimpalli SR; et al, J Ultrasound Med 1990; **9:** 57

endovaginal sonographic diagnosis of dilated fallopian tubes, Tessler FN; Perrella RR; Fleischer AC; et al, AJR 1989; **153:** 523

endovaginal sonographic features associated with isolated torsion of the fallopian tube, Sherer DM; Liberto L; Abramowicz JS; et al, J Ultrasound Med 1991; **10:** 107

hysterosalpingo-contrast sonography of the uterus and fallopian tubes: results of a clinical trial of a new contrast medium in 120 patients, Schlief R; Deichert U, Radiology 1991; **178:** 213

sonographic demonstration of salpingitis: potential confusion with appendicitis, Terry J; Forrest T, J Ultrasound Med 1989; **8:** 39

sonographic determination of tubal rupture in patients with ectopic pregnancy: is it feasible?, Laing FC, Radiology 1990; **177:** 330

technique for US-guided fallopian tube catheterization, Breckenridge JW; Schinfeld JS, Radiology 1991; **180:** 569

transvaginal ultrasound and the diagnosis of fallopian tubal carcinoma, Ajjimakorn S; Bhamarapravati Y, JCU 1991; **19:** 116

US-guided fallopian tube catheterization, Thurmond AS; Patton PE; Hector DM; Jones MK, Radiology 1991; **180:** 571

Familial conditions

cranial MR in phenylketonuria, Shaw DWW; Weinberger E; Maravilla KR, JCAT 1990; **14:** 458

extracolonic manifestations of the familial adenomatous polyposis syndromes, Harned RK; Buck JL; Olmsted WW; et al, AJR 1991; **156:** 481

magnetic resonance imaging in familial central diabetes insipidus, Miyamoto S; Sasaki N; Tanabe Y, Neuroradiol 1991; **33:** 272

maple syrup urine disease: findings on CT and MR scans of the brain in 10 infants, Brismar J; Aqeel A; Brismar G; et al, AJNR 1990; **11:** 1219

nephrocalcinosis in homozygous familial hypercholesterolemia: ultrasound and CT findings, Hill SC; Hoeg JM; Avila NA, JCAT 1991; **15:** 101

radiographic features of familial expansile osteolysis, Crone MD; Wallace RGH, Skeletal Radiol 1990; **19:** 245

review of radiologic and clinical findings in the recombinant 8 syndrome, Williamson SL; Clericuzio CL, Pediatr Radiol 1991; **21:** 125

sibs with a disorder resembling Blount disease (tibia vara), Schmidt H; Mundlos S; Spranger JW, Pediatr Radiol 1991; **21:** 316

Fascia, renal

Gerota versus Zuckerkandl: the renal fascia revisited, Chesbrough RM; Burkhard TK; Martinez AJ; Burks DD, Radiology 1989; **173:** 845

medial extent of the posterior renal fascia: an anatomic and computed tomography study, Lim JH; Ryu KN; Yoon Y; et al, Clin Imag 1990; **14:** 17

Fasciitis
case report 614, Kozlowski KS, Skeletal Radiol 1990; **19:** 305
case report 690, Frei S; de Lange EE; Fechner RE, Skeletal Radiol 1991; **20:** 468
evaluation of plantar fasciitis by three-phase bone scintigraphy, Intenzo CM; Wapner KL; Park CH; et al, Clin Nucl Med 1991; **16:** 325
MR and CT appearance of nodular fasciitis, Meyer CA; Kransdorf MJ; Jelinek JS; et al, JCAT 1991; **15:** 276
MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; **11:** 401
plantar fasciitis: MR imaging, Berkowitz JF; Kier R; Rudicel S, Radiology 1991; **179:** 665

Fat, CT
apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727
body fat distribution measured with CT: correlations in healthy subjects, patients with anorexia nervosa, and patients with Cushing syndrome, Mayo-Smith W; Hayes CW; Biller BMK; Klibanski A; Rosenthal H; Rosenthal DI, Radiology 1989; **170:** 515
CT density of mesenteric, retroperitoneal, and subcutaneous fat in cirrhotic patients: comparison with control subjects, Tyrrel RT; Montemayor KA; Bernardino ME, AJR 1990; **155:** 73
extrapleural fat in empyema: CT appearance, Takasugi JE; Godwin JD; Teefey SA, Br J Radiol 1991; **64:** 580
from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; **11:** 81
intrathoracic fat: a new CT feature of intrathoracic rib. case report, Hawass N-E-D; Bahakim H; Al-Boukai AA, Clin Imag 1991; **15:** 31
intravertebral fat measurement with quantitative CT in patients with Cushing disease and anorexia nervosa, Mayo-Smith W; Rosenthal DI; Goodsitt MM; Klibanski A, Radiology 1989; **170:** 835

Fat, MR
fat-saturation MR imaging of the upper abdomen, Semelka RC; Chew W; Hricak H; et al, AJR 1990; **155:** 1111
fetal fat measurement by magnetic resonance imaging, Deans HE; Smith FW; Lloyd DJ; et al, Br J Radiol 1989; **62:** 603
from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; **11:** 81
measurement of abdominal fat with T1-weighted MR images, Lancaster JL; Ghiatas AA; Alyassin A; Kilcoyne RF; Bonora E; DeFronzo RA, JMRI 1991; **1:** 363
measurement of fat distribution by magnetic resonance imaging, Staten MA; Totty WG; Kohrt WM, Invest Radiol 1989; **24:** 345
MR imaging of fat in and around the heart, Kriegshauser JS; Julsrud PR; Lund JT, AJR 1990; **155:** 271
overall body fat and regional fat distribution in young women: quantification with MR imaging, Gerard EL; Snow RC; Kennedy DN; et al, AJR 1991; **157:** 99
sampling bandwidth and fat suppression: effects on long TR/TE MR imaging of the abdomen and pelvis at 1.5 T, Mitchell DG; Vinitski S; Rifkin MD; et al, AJR 1989; **153:** 419

Fat, necrosis
gallium uptake in a paraplegic patient with bilateral lower extremity fat necrosis, Wolpe FM; Chandarlapaty SKC; Jacobi JD; et al, Clin Nucl Med 1989; **14:** 930
lipid cyst: classic and atypical appearances, Evers K; Troupin RH, AJR 1991; **157:** 271
subcutaneous fat necrosis with hypercalcemia, Cunningham K; Atkinson SA; Paes BA, J Canad Assoc Radiol 1990; **41:** 158

Fat, US
contribution of sonography to the measurement of intra-abdominal fat, Armellini F; Zamboni M; Rigo L; et al, JCU 1990; **18:** 563

Feeding tube
dose reduction during fluoroscopic placement of feeding tubes, Rudin S; Bednarek DR; Miller JA, Radiology 1991; **178:** 647
double lumen catheter for gastro-jejunal tube: feeding of debilitated infants, Greenberg SB, Pediatr Radiol 1991; **21:** 301
enterostomy catheter exchange using new polymer-coated guide wire: technical note, Markowitz DM; Denny DF Jr, Gastrointest Radiol 1990; **15:** 64
percutaneous duodenostomy—alternative route for enteral nutrition, Cwikiel W, Acta Radiol 1991; **32:** 153

Feeding tube, complications
extrusion of PEG tube from the stomach with fistula formation: an unusual complication of percutaneous endoscopic gastrostomy, Goodman P; Levine MS; Parkman HP, Gastrointest Radiol 1991; **16:** 286
fluoroscopically guided nasoenteric feeding tube placement: results of a 1-year study, Gutierrez ED; Balfe DM, Radiology 1991; **178:** 759
inadvertent tracheobronchial placement of feeding tubes, McLean GK; Meranze SG; Burke DR, Radiology 1989; **170:** 278
intracranial complication during insertion of a nasogastric tube, Glasser SA; Garfinkle W; Scanlon M, AJNR 1990; **11:** 1170
intracranial placement of a nasogastric tube, Koch KJ; Becker GJ; Edwards MK; et al, AJNR 1989; **10:** 443
modified catheter for percutaneous gastrojejunostomy, Gray RR; St. Louis EL; Grosman H, Radiology 1989; **173:** 276
spinal canal extension of hyperalimentation catheter without neurologic sequela, Glasier CM; Hassell DR, Pediatr Radiol 1989; **19:** 206

Femur
antegrade puncture of the femoral artery: morphologic study, Spijkerboer AM; Scholten FG; Mali WPTM; van Schaik JPJ, Radiology 1990; **176:** 57
calcar femorale: an anatomic, radiologic, and surgical correlative study, Stiles RG; Laverina CJ; Resnick D; et al, Invest Radiol 1990; **25:** 1311
femoral cortical/cancellous bone related to age, Høiseth A; Alho A; Husby T, Acta Radiol 1990; **31:** 626
hazards of internal fixation in the treatment of slipped capital femoral epiphysis, (ab), Riley PM; Weiner DS; Gillespie R; et al, Radiology 1991; **179:** 887
is there a relationship between femoral anteversion and leg torsion?, Reikerås O, Skeletal Radiol 1991; **20:** 409

Femur, abnormalities
anteversion of the femur and idiopathic osteoarthrosis of the hip, (ab), Wedge JH; Munkacsi J; Loback D, Radiology 1990; **174:** 589
basic concepts of femoral neck anteversion: comparison of two definitions, Høiseth A; Reikerås O; Fønstelien E, Br J Radiol 1989; **62:** 114
case report 683, Sklar DH; Phillips JJ; Lachman RS, Skeletal Radiol 1991; **20:** 394
evaluation of three methods for measurement of femoral neck anteversion: femoral neck anteversion, definition, measuring methods and errors, Høiseth A; Reikerås O; Fønstelien E, Acta Radiol 1989; **30:** 69
herniation pits of the femoral neck: appearance at MR imaging, Nokes SR; Vogler JB; Spritzer CE; Martinez S; Herfkens RJ, Radiology 1989; **172:** 231
proximal femoral focal deficiency, Jeanty P; Kleinman G, J Ultrasound Med 1989; **8:** 639
radiographic features of bone lengthening procedures, Vade A; Eissenstat R, Radiology 1990; **174:** 531
slipped capital femoral epiphysis during treatment with recombinant growth hormone for isolated partial growth hormone deficiency, (ab), Prasad V; Greig F; Bastian W; et al, Radiology 1991; **180:** 296
usefulness of a short femur in the in utero detection of skeletal dysplasias, Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB, Radiology 1990; **177:** 197

Femur, CT
femoral neuropathy: the role of computed tomography in diagnosis and management in 27 patients, Apter S; Hertz M; Rubinstein ZJ; et al, Clin Radiol 1989; **40:** 30
osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811
revascularization of femoral head ischemic necrosis with vascularized bone graft: a CT scan experimental study, González del Pino J; Knapp K; Castresana FG; et al, Skeletal Radiol 1990; **19:** 197

Femur, fractures
are patients with fractures of the femoral neck more osteoporotic?, Høiseth A; Alho A; Husby T; et al, Eur J Radiol 1991; **13:** 2
case report 549, McGlade CT; Bassett LW; Mirra J; et al, Skeletal Radiol 1989; **18:** 322
case report 686, Pistolesi GF; Caudana R; D'Attoma N; et al, Skeletal Radiol 1991; **20:** 454
CT detection of cortical fracture of the femoral head associated with posterior hip dislocation, Richardson P; Young JWR; Porter D, AJR 1990; **155:** 93
fatigue fractures of the femoral diaphysis in the skeletally immature simulating malignancy, Davies AM; Carter SR; Grimer RJ; et al, Br J Radiol 1989; **62:** 893
insufficiency fractures of the upper femurs: five-year lapse between occurrence on opposite sides, Slavin JD Jr; Negrin JA; Spencer RP; et al, Clin Nucl Med 1990; **15:** 730
ipsilateral femoral neck and shaft fractures: an overlooked association, Daffner RH; Riemer BL; Butterfield SL, Skeletal Radiol 1991; **20:** 251
low field magnetic resonance imaging of femoral neck fractures, Ragnarsson JI; Ekelund L; Kärrholm J; et al, Acta Radiol 1989; **30:** 247
magnetic resonance imaging of the femoral head after acute intracapsular fracture of the femoral neck, (ab), Speer KP; Spritzer CE; Harrelson JM; et al, Radiology 1990; **176:** 591
MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407
muscle uptake on bone scintigraphy mimicking fracture of the femur, Stewart CA; Siegel ME; Steiger R, Clin Nucl Med 1990; **15:** 921
occult fractures of the proximal femur: MR imaging, Deutsch AL; Mink JH; Waxman AD, Radiology 1989; **170:** 113
occult posttraumatic osteochondral lesions of the knee: prevalence, classification, and short-term sequelae evaluated with MR imaging, Vellet AD; Marks PH; Fowler PJ; Munro TG, Radiology 1991; **178:** 271
pathological fracture of the femoral shaft in a case of Servelle–Martorell syndrome (phleboeciatic osteohypoplastic angiodysplasia with associated arterio-venous malformation), Gibbon WW; Pooley J, Br J Radiol 1990; **63:** 574
prognostic algorithm for assessment of subcapital femoral neck fractures, Mathiesen T; Zayer M, Acta Radiol 1989; **30:** 639
radionuclide bone imaging in the early detection of fractures of the proximal femur (hip): multifactorial analysis, Holder LE; Schwarz C; Wernicke PG; Michael RH, Radiology 1990; **174:** 509
ultrasound for closed femoral nailing, Mahaisavariya B; Suibnugarn C; Mairiang E; et al, JCU 1991; **19:** 393

Femur, MR
bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535
diagnostic value of magnetic resonance imaging in nontraumatic osteonecrosis of the femoral head, (ab), Hauzeur JP; Pasteels JL; Schoutens A; et al, Radiology 1990; **174:** 589

evaluation of magnetic resonance imaging in the diagnosis of osteonecrosis of the femoral head, (ab), Robinson HJ; Hartleben PD; Lund G; et al, Radiology 1990; **174:** 589

fat intensity within the hypointense zone on MR imaging of avascular necrosis of the femoral head, Kokubo T; Takatori Y; Ninomiya S; et al, JCAT 1991; **15:** 470

femoral capital osteonecrosis, Higer HP, Radiology 1990; **174:** 282

femoral capital osteonecrosis: MR finding of diffuse marrow abnormalities without focal lesions, Turner DA; Templeton AC; Selzer PM; Rosenberg AG; Petasnick JP, Radiology 1989; **171:** 135

femoral capital osteonecrosis: reply, Turner DA, Radiology 1990; **174:** 282

herniation pits of the femoral neck: appearance at MR imaging, Nokes SR; Vogler JB; Spritzer CE; Martinez S; Herfkens RJ, Radiology 1989; **172:** 231

low field magnetic resonance imaging of femoral neck fractures, Ragnarsson JI; Ekelund L; Kärrholm J; et al, Acta Radiol 1989; **30:** 247

magnetic resonance imaging of the femoral head after acute intracapsular fracture of the femoral neck, (ab), Speer KP; Spritzer CE; Harrelson JM; et al, Radiology 1990; **176:** 591

MRI appearance of femoral head osteonecrosis following core decompression and bone grafting, Chan TW; Dalinka MK; Steinberg ME; et al, Skeletal Radiol 1991; **20:** 103

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

normal age-related changes in bone marrow in the axial skeleton at MR imaging, Schick RM, Radiology 1991; **179:** 877

normal age-related changes in bone marrow in the axial skeleton at MR imaging: reply, Zerhouni EA; Ricci C, Radiology 1991; **179:** 877

normal age-related patterns of cellular and fatty bone marrow distribution in the axial skeleton: MR imaging study, Ricci C; Cova M; Kang YS; Yang A; Rahmouni A; Scott WW Jr; Zerhouni EA, Radiology 1990; **177:** 83

occult fractures of the proximal femur: MR imaging, Deutsch AL; Mink JH; Waxman AD, Radiology 1989; **170:** 113

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811

red and yellow marrow in the femur: age-related changes in appearance at MR imaging, Moore SG; Dawson KL, Radiology 1990; **175:** 219

using MR imaging to probe the pathophysiology of osteonecrosis, Mitchell DG, Radiology 1989; **171:** 25

Femur, necrosis

apparent avascular necrosis of the hip: appearance and spontaneous resolution of MR findings in renal allograft recipients, Kopecky KK; Braunstein EM; Brandt KD; Filo RS; Leapman SB; Capello WN; Klatte EC, Radiology 1991; **179:** 523

case report 549, McGlade CT; Bassett LW; Mirra J; et al, Skeletal Radiol 1989; **18:** 322

case report 662, Nuovo MA; Sissons HA; Zuckerman JD, Skeletal Radiol 1991; **20:** 217

comparison of modern imaging modalities in osteonecrosis of the femoral head, Lee MJ; Corrigan J; Stack JP; et al, Clin Radiol 1990; **42:** 427

core decompression for early atraumatic osteonecrosis of the femoral head, (ab), Learmonth ID; Maloon S; Dall G, Radiology 1990; **177:** 894

diagnostic value of magnetic resonance imaging in nontraumatic osteonecrosis of the femoral head, (ab), Hauzeur JP; Pasteels JL; Schoutens A; et al, Radiology 1990; **174:** 585

evaluation of magnetic resonance imaging in the diagnosis of osteonecrosis of the femoral head, (ab), Robinson HJ; Hartleben PD; Lund G; et al, Radiology 1990; **174:** 589

fat intensity within the hypointense zone on MR imaging of avascular necrosis of the femoral head, Kokubo T; Takatori Y; Ninomiya S; et al, JCAT 1991; **15:** 470

femoral capital osteonecrosis, Higer HP, Radiology 1990; **174:** 282

femoral capital osteonecrosis: MR finding of diffuse marrow abnormalities without focal lesions, Turner DA; Templeton AC; Selzer PM; Rosenberg AG; Petasnick JP, Radiology 1989; **171:** 135

femoral capital osteonecrosis: reply, Turner DA, Radiology 1990; **174:** 282

identification of avascular necrosis in the dysplastic proximal femoral epiphysis, Mandell GA; MacKenzie WG; Scott CI Jr; et al, Skeletal Radiol 1989; **18:** 273

intertrochanteric osteotomy for avascular necrosis of the femoral head, (ab), Jacobs MA; Hungerford DS; Krockow KA, Radiology 1989; **173:** 590

ischemic necrosis of the femoral head: treatment by core decompression, (ab), Hopson CN; Siverhus SW, Radiology 1989; **171:** 294

MRI appearance of femoral head osteonecrosis following core decompression and bone grafting, Chan TW; Dalinka MK; Steinberg ME; et al, Skeletal Radiol 1991; **20:** 103

natural history of nontraumatic avascular necrosis of the femoral head, (ab), Ohzono K; Saito M; Takaoka K; et al, Radiology 1991; **180:** 591

pre- and postoperative imaging of vascularized fibular grafts, Manaster BJ; Coleman DA; Bell DA, Radiology 1990; **176:** 161

revascularization of femoral head ischemic necrosis with vascularized bone graft: a CT scan experimental study, González del Pino J; Knapp K; Castresana FG; et al, Skeletal Radiol 1990; **19:** 197

using MR imaging to probe the pathophysiology of osteonecrosis, Mitchell DG, Radiology 1989; **171:** 25

Femur, neoplasms

case report 517, Bertoni F; Bacchini P; Picci P; et al, Skeletal Radiol 1989; **18:** 221

case report 531, Raymond AK; Raymond PG; Edeiken J, Skeletal Radiol 1989; **18:** 143

case report 541, Hermann G; Wagner LD; Klein MJ; et al, Skeletal Radiol 1989; **18:** 241

case report 542, Mayo-Smith W; Rosenthal DI; Kattapuram SV; et al, Skeletal Radiol 1989; **18:** 245

case report 553, Jones JG; Habermann ET; Dorfman HD, Skeletal Radiol 1989; **18:** 537

case report 588, Abdelwahab IF; Hermann G; Lewis MM; et al, Skeletal Radiol 1990; **19:** 59

case report 626, van Lerberghe E; van Damme B; van Holsbeeck M; et al, Skeletal Radiol 1990; **19:** 594

case report 650, Greenfield GB; Cardenas C; Dawson PJ; et al, Skeletal Radiol 1991; **20:** 67

intracapsular osteoid osteoma of the proximal femur: findings on plain film and CT, Schlesinger AE; Hernandez RJ, AJR 1990; **154:** 1241

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811

Femur, radionuclide studies

femoral capital osteonecrosis, Higer HP, Radiology 1990; **174:** 282

femoral capital osteonecrosis: MR finding of diffuse marrow abnormalities without focal lesions, Turner DA; Templeton AC; Selzer PM; Rosenberg AG; Petasnick JP, Radiology 1989; **171:** 135

femoral capital osteonecrosis: reply, Turner DA, Radiology 1990; **174:** 282

muscle uptake on bone scintigraphy mimicking fracture of the femur, Stewart CA; Siegel ME; Steiger R, Clin Nucl Med 1990; **15:** 921

radionuclide bone imaging in the early detection of fractures of the proximal femur (hip): multifactorial analysis, Holder LE; Schwarz C; Wernicke PG; Michael RH, Radiology 1990; **174:** 509

transient photopenia of the femoral head following arthrography, Mandell GA; Harcke HT; Bowen JR; et al, Clin Nucl Med 1989; **14:** 397

using MR imaging to probe the pathophysiology of osteonecrosis, Mitchell DG, Radiology 1989; **171:** 25

Femur, US

can sonographers reliably identify anatomic features associated with Down syndrome in fetuses?, Benacerraf BR; Cnann A; Gelman R; Laboda LA; Frigoletto FD Jr, Radiology 1989; **173:** 377

proximal femoral focal deficiency, Jeanty P; Kleinman G, J Ultrasound Med 1989; **8:** 639

ultrasound for closed femoral nailing, Mahaisavariya B; Suibnugarn C; Mairiang E; et al, JCU 1991; **19:** 393

usefulness of a short femur in the in utero detection of skeletal dysplasias, Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB, Radiology 1990; **177:** 197

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Fertility

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Fetus

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biophysical profile: a literature review and reassessment of its usefulness in the evaluation of fetal well-being, Finberg HJ; Kurtz AB; Johnson RL; et al, J Ultrasound Med 1990; **9:** 583

hepatic uptake of technetium-99m HM-PAO in a fetus, Maguire C; Florence S; Powe JE; et al, J Nucl Med 1990; **31:** 237

Fetus, abnormalities

acrania: anencephaly resulting from secondary degeneration of a closed neural tube: two cases in the same family, Bronshtein M; Ornoy A, JCU 1991; **19:** 230

antenatal diagnosis of megalourethra in a fetus with the prune belly syndrome, Fisk NM; Dhillon HK; Ellis CE; et al, JCU 1990; **18:** 124

antenatal sonographic detection of Wolffian duct cyst, Kapoor R; Saha MM; Mandal AK, JCU 1989; **17:** 515

antenatal sonographic diagnosis of sirenomelia, Chenoweth CK; Kellogg SJ; Abu-Yousef MM, JCU 1991; **19:** 167

antenatal ultrasonic diagnosis of Meckel Gruber syndrome (a case report with review of literature), Vernekar JA; Mishra GK; Pinto RGW; et al, Australas Radiol 1991; **35:** 186

campomelic syndrome: experimental models and pathomechanism, Roth M, Pediatr Radiol 1991; **21:** 220

can sonographers reliably identify anatomic features associated with Down syndrome in fetuses?, Benacerraf BR; Cnann A; Gelman R; Laboda LA; Frigoletto FD Jr, Radiology 1989; **173:** 377

choroid plexus cysts in the fetus: a benign anatomic variant or pathologic entity? report of 41 cases and review of the literature, (ab), Chitkara U; Cogswell C; Norton K; et al, Radiology 1989; **170:** 585

chromosomal abnormalities in fetuses with omphalocele: significance of omphalocele contents, Nyberg DA; Fitzsimmons J; Mack LA; et al, J Ultrasound Med 1989; **8:** 299

color-flow and Doppler velocimetry in prenatal diagnosis of acardiac triplet, Al-Malt A; Ashmead G; Judge N; et al, J Ultrasound Med 1991; **10:** 341

conjoined twins: prenatal diagnosis and assessment of associated malformations, Barth RA; Filly RA; Goldberg JD; Moore P; Silverman NH, Radiology 1990; **177:** 201

cystic encephalomalacia in twin embolization syndrome, Caballero P; Del Campo L; Ocón E, Radiology 1991; **178:** 892

detection of fetal central nervous system anomalies: a practical level of effort for a routine sonogram, Filly RA; Cardoza JD; Goldstein RB; Barkovich AJ, Radiology 1989; **172:** 403

detection of fetal structural malformations by ultrasound in insulin-dependent pregnant women, Pijlman BM; de Koning WB; Wladimiroff JW; et al, Ultrasound Med Biol 1989; **15:** 541

diastematomyelia: prenatal ultrasonic appearances, Winter RK; McKnight LG; Byrne RA; et al, Clin Radiol 1989; **40:** 291

disorders of the fetal thorax and abdomen, Dinsmore BJ; Grumbach K, Semin Roentgenol 1990; **25:** 334

earlier diagnosis of fetal anomalies: *quo vadis?*, Filly RA, Radiology 1991; **181:** 627

ecologic physiology of the fetus: ultrasonography of supply-line deprivation syndromes, Birnholz JC, Radiol Clin North Am 1990; **28:** 179

effacement of the fetal cisterna magna in association with myelomeningocele, Goldstein RB; Podrasky AE; Filly RA; Callen PW, Radiology 1989; **172:** 409

femur length in the US prediction of trisomy 21 and other chromosomal abnormalities, Grist TM; Fuller RW; Albiez KL; Bowie JD, Radiology 1990; **174:** 837

fetal and funicular vascular anomalies: identification with prenatal US, Jeanty P, Radiology 1989; **173:** 367

fetal blood sampling from the intrahepatic vein for rapid karyotyping in the second and third trimesters, Nicolaidis P; Nicolini U; Fisk NM; et al, Br J Radiol 1991; **64:** 505

fetal central nervous system abnormalities, Spirt BA; Oliphant M; Gordon LP, Radiol Clin North Am 1990; **28:** 59

fetal cephaloceles: diagnosis with US, Goldstein RB; LaPidus AS; Filly RA, Radiology 1991; **180:** 803

fetal choroid plexus cysts: a report of 100 cases, Ostlere SJ; Irving HC; Lilford RJ, Radiology 1990; **175:** 753

fetal cisterna magna septa: a normal anatomic finding, Knutzon RK; McGahan JP; Salamat MS; Brant WE, Radiology 1991; **180:** 799

fetal gastrointestinal abnormalities, Hertzberg BS; Bowie JD, Radiol Clin North Am 1990; **28:** 101

fetal growth disturbances, Doubilet PM; Benson CB, Semin Roentgenol 1990; **25:** 309

fetal hydrocele: a persistent finding?, Petrikovsky BM; Shmoys S, Pediatr Radiol 1990; **20:** 362

fetal limbs: normal and abnormal, Driscoll DA, Semin Roentgenol 1991; **26:** 12

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Hughes MD; Nyberg DA; Mack LA; Pretorius DH, Radiology 1989; **173:** 371

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Poznanski AK, Radiology 1990; **177:** 883

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome: reply, Nyberg DA; Hughes MD; Mack LA; Pretorius DH, Radiology 1990; **177:** 883

fetal skeletal anomalies, Romero R; Athanassiadis AP; Jeanty P, Radiol Clin North Am 1990; **28:** 75

infection in utero: US findings in 19 cases, Drose JA; Dennis MA; Thickman D, Radiology 1991; **178:** 369

in utero sonographic appearance of the atrial septum primum and septum secundum, Kachalia P; Bowie JD; Adams DB; et al, J Ultrasound Med 1991; **10:** 423

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; **172:** 1

limb–body–wall complex: another cause for elevated maternal serum alpha fetoprotein, Gorczyca DP; Lindfors KK; McGahan JP; et al, JCU 1990; **18:** 198

Meckel-Gruber syndrome: importance of prenatal diagnosis, Nyberg DA; Hallesy D; Mahony BS; et al, J Ultrasound Med 1990; **9:** 691

MR imaging of fetal anomalies, Benson RC; Colletti PM; Platt LD; et al, AJR 1991; **156:** 1205

pediatric case of the day, Hilpert PL; Goldberg BB; Kurtz AB, Radiographics 1990; **10:** 950

persistent right umbilical vein: an ominous prenatal finding?, Jeanty P, Radiology 1990; **177:** 735

prenatal detection of simian crease, Jeanty P, J Ultrasound Med 1990; **9:** 131

prenatal diagnosis of agenesis of the corpus callosum using endovaginal ultrasound, Hilpert PL; Kurtz AB, J Ultrasound Med 1990; **9:** 363

prenatal diagnosis of sirenomelia, Sirtori M; Ghidini A; Romero R; et al, J Ultrasound Med 1989; **8:** 83

prenatal sonographic diagnosis of a vesico-allantoic abdominal wall defect, Donnenfeld AE; Mennuti MT; Templeton JM; et al, J Ultrasound Med 1989; **8:** 43

prenatal sonographic diagnosis of harlequin ichthyosis, Mihalko M; Lindfors KK; Grix AW; et al, AJR 1989; **153:** 827

prenatal sonographic evaluation of short-limbed dwarfism: an algorithmic approach, Spirt BA; Oliphant M; Gottlieb RH; Gordon LP, Radiographics 1990; **10:** 217

prenatal sonographic features of Noonan's syndrome, Benacerraf BR; Greene MF; Holmes LB, J Ultrasound Med 1989; **8:** 59

prenatal sonographic findings in bladder exstrophy, Barth RA; Filly RA; Sondheimer FK, J Ultrasound Med 1990; **9:** 359

prenatal ultrasonic detection of anomalies with a lethal or disastrous outcome, Sanders RC, Radiol Clin North Am 1990; **28:** 163

prenatal ultrasonographic appearance of the agnathia malformation complex, Persutte WH; Lenke RR; DeRosa RT, J Ultrasound Med 1990; **9:** 725

prenatal ultrasound diagnosis of Beckwith–Wiedemann syndrome, Shah YG; Metlay L, JCU 1990; **18:** 597

prenatal ultrasound diagnosis of multiple cardiac rhabdomyomas, Deeg KH; Voigt HJ; Hofbeck M; et al, Pediatr Radiol 1990; **20:** 291

recommendations for obstetric sonography in the evaluation of the fetal cranium, Nyberg DA, Radiology 1989; **172:** 309

single umbilical artery: prenatal detection of concurrent anomalies, Nyberg DA; Mahony BS; Luthy D; et al, J Ultrasound Med 1991; **10:** 247

sirenomelia: prenatal sonographic features, Mok PM, Australas Radiol 1990; **34:** 68

sonographic diagnosis of fetal acrania, Ekici E; Gülmezoglu AM, JCU 1991; **19:** 363

sonographic diagnosis of the amniotic band syndrome, Burton DJ; Filly RA, AJR 1991; **156:** 555

sonographic diagnosis of urachal cysts in utero, Hill LM; Kislak S; Belfar HL, JCU 1990; **18:** 434

sonographic recognition of major malformations and aberrant fetal growth in trisomic fetuses, Dicke JM; Crane JP, J Ultrasound Med 1991; **10:** 433

transvaginal sonographic diagnosis of congenital anomalies between 9 weeks and 16 weeks, menstrual age, Rottem S; Bronshtein M, JCU 1990; **18:** 307

transvaginal ultrasound diagnosis of fetal clubfeet at 13 weeks, menstrual age, Bronshtein M; Zimmer EZ, JCU 1989; **17:** 518

twin embolization syndrome: prenatal sonographic detection and significance, Patten RM; Mack LA; Nyberg DA; Filly RA, Radiology 1989; **173:** 685

ultrasound findings in pregnancies complicated by fetal triploidy, Pircon RA; Porto M; Towers CV; et al, J Ultrasound Med 1989; **8:** 507

usefulness of a short femur in the in utero detection of skeletal dysplasias, Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB, Radiology 1990; **177:** 197

value of sonography in acute encephalomalacia, Hernanz-Schulman M, Radiology 1991; **180:** 880

value of sonography in acute encephalomalacia: reply, Caballero P, Radiology 1991; **180:** 880

Fetus, blood supply

comparative study of continuous- and pulsed-wave Doppler velocimetry in fetal and uteroplacental circulation, Chan FY; Pun TC; Lee CP; et al, J Ultrasound Med 1991; **10:** 277

disparity of amniotic fluid volume and fetal size: problem of the stuck twin—US studies, Patten RM; Mack LA; Harvey D; Cyr DR; Pretorius DH, Radiology 1989; **172:** 153

Doppler evaluation of the fetoplacental circulation in the latent phase of preterm premature rupture of membranes, Santolaya J; Sampson M; Nobles G; et al, J Ultrasound Med 1991; **10:** 327

precision of umbilical artery Doppler studies: intraobserver, interobserver, and biologic variability of fetal Doppler velocimetry, Thomas RL; Peng TCC; Eglinton GS; et al, J Ultrasound Med 1991; **10:** 201

simultaneous use of Doppler ultrasound and electromagnetic flow probes in fetal flow assessment, Nimrod C; Clapp J III; Larrow R; et al, J Ultrasound Med 1989; **8:** 201

umbilical artery Doppler blood velocity waveforms in normal and abnormal gestations, Friedman DM; Ehrlich P; Hoskins IA, J Ultrasound Med 1989; **8:** 375

umbilical artery Doppler velocimetry in pregnancies of less than 21 weeks' duration, Guzman ER; Schulman H; Karmel B; et al, J Ultrasound Med 1990; **9:** 655

Fetus, cardiovascular system

anomalous systemic and pulmonary venous pathways diagnosed in utero by ultrasound, DiSessa TG; Emerson DS; Felker RE; et al, J Ultrasound Med 1990; **9:** 311

antenatal diagnosis of pulmonary arteriovenous fistula using real-time ultrasound and color Doppler flow imaging, Kalugdan RG; Satoh S; Koyanagi T; et al, JCU 1989; **17:** 607

antenatal diagnosis of restriction of the foramen ovale, Fraser WD; Nimrod C; Nicholson S; et al, J Ultrasound Med 1989; **8:** 281

antenatal diagnosis of vasa previa by color-flow mapping, Hsieh F-J; Chen H-F; Ko T-M; et al, J Ultrasound Med 1991; **10:** 397

biophysical profile, Lupo VR, Semin US CT MR 1989; **10:** 405

can umbilical artery pulsatility index predict the outcome of fetuses with structural heart disease?, Copel JA; Hobbins JC; Kleinman CS, J Ultrasound Med 1991; **10:** 323

changes in fetal hemodynamics with terbutaline treatment and premature labor, Sharif DS; Huhta JC; Moise KJ Jr; et al, JCU 1990; **18:** 85

color-flow and Doppler velocimetry in prenatal diagnosis of acardiac triplet, Al-Malt A; Ashmead G; Judge N; et al, J Ultrasound Med 1991; **10:** 341

comparative study of continuous- and pulsed-wave Doppler velocimetry in fetal and uteroplacental circulation, Chan FY; Pun TC; Lee CP; et al, J Ultrasound Med 1991; **10:** 277

congenital cardiac anomalies: prenatal sonographic diagnosis, Brown DL; Emerson DS; Cartier MS; et al, AJR 1989; **153:** 109

conjoined twins: prenatal diagnosis and assessment of associated malformations, Barth RA; Filly RA; Goldberg JD; Moore P; Silverman NH, Radiology 1990; **177:** 201

diagnosis of fetal ectopia cordis by transvaginal ultrasound, Fleming AD; Vintzileos AM; Rodis JF; et al, J Ultrasound Med 1991; **10:** 413

differential diagnosis of first trimester ventral wall defect, Gray DL; Martin CM; Crane JP, J Ultrasound Med 1989; **8:** 255

Doppler assessment of renal blood flow velocity waveforms in the anemic fetus before and after intravascular transfusion for severe red cell alloimmunization, Mari G; Moise KJ Jr; Deter RL; et al, JCU 1991; **19:** 15

duplex ultrasonography of the fetal aorta, umbilical artery, and placental arcuate artery throughout normal human pregnancy, Cameron A; Nicholson S; Nimrod C; et al, J Canad Assoc Radiol 1989; **40:** 145

embryonic heart rate in human pregnancy, Howe RS; Isaacson KJ; Albert JL; et al, J Ultrasound Med 1991; **10:** 367

endovaginal sonography in very early pregnancy: new observations, Goldstein RB, Radiology 1990; 176: 7

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length, Tessler FN, Radiology 1991; 178: 285

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length: reply, Levi CS, Radiology 1991; 178: 285

endovaginal US: demonstration of cardiac activity in embryos of less than 5.0 mm in crown-rump length, Levi CS; Lyons EA; Zheng XH; Lindsay DJ; Holt SC, Radiology 1990; 176: 71

evaluation of fetal structural heart disease using color flow mapping, Chiba Y; Kanzaki T; Kobayashi H; et al, Ultrasound Med Biol 1990; 16: 221

fetal atrial fibrillation: in utero detection with real-time directed M-mode echocardiography, Baldi C; Capece G; Di Muro MR; et al, JCU 1990; 18: 185

fetal echocardiography, Reed KL, Semin US CT MR 1991; 12: 2

fetal echocardiography, Benacerraf BR; Sanders SP, Radiol Clin North Am 1990; 28: 131

fetal echocardiography—four years experience in Bristol, Cooke SG; Wilde P, Clin Radiol 1989; 40: 568

fetal heart rate influence on the pulsatility index in the middle cerebral artery, Mari G; Moise KJ Jr; Deter RL; et al, JCU 1991; 19: 149

fetal renal arterial blood velocity waveforms detected with color-flow mapping and pulsed Doppler flowmetry in intrauterine growth retardation, Maeda K; Takeuchi Y, JCU 1990; 18: 527

first trimester bradycardia: a sign of impending fetal loss, Laboda LA; Estroff JA; Benacerraf BR, J Ultrasound Med 1989; 8: 561

functional assessment of uteroplacental and fetal circulations by means of color Doppler ultrasonography, Arduini D; Rizzo G; Boccolini MR; et al, J Ultrasound Med 1990; 9: 249

high-output cardiac failure in fetuses with large sacrococcygeal teratoma: diagnosis by echocardiography and Doppler ultrasound, (ab), Schmidt KG; Silverman NH; Harrison MR; et al, Radiology 1990; 176: 591

idiopathic infantile arterial calcification: in utero diagnosis, Spear R; Mack LA; Benedetti TJ; et al, J Ultrasound Med 1990; 9: 473

in-utero cerebral vascular accident prior to external cephalic version, DeVore GR, JCU 1991; 19: 227

in utero sonographic appearance of the atrial septum primum and septum secundum, Kachalia P; Bowie JD; Adams DB; et al, J Ultrasound Med 1991; 10: 423

maternal-fetal Doppler sonography: potential or reality, Grant EG, Semin Roentgenol 1991; 26: 75

nonuniformity of fetal umbilical systolic/diastolic ratios as determined with duplex Doppler sonography, Kay HH; Carroll BA; Bowie JD; et al, J Ultrasound Med 1989; 8: 417

peripheral hypoechoic rim of the fetal heart, Brown DL; Cartier MS; Emerson DS; et al, J Ultrasound Med 1989; 8: 603

sonographic imaging of the fetal azygous vein: normal and pathologic appearance, Belfar HL; Hill LM; Peterson CS; et al, J Ultrasound Med 1990; 9: 569

sonography of the fetal heart: findings on the four-chamber view, McGahan JP, AJR 1991; 156: 547

ultrasound screening for congenital cardiac malformations in the fetus: its importance for peri- and postnatal care, Oberhaensli I; Extermann P; Friedli B; et al, Pediatr Radiol 1989; 19: 94

Fetus, central nervous system

antenatal diagnosis of diastematomyelia, Caspi B; Gorbacz S; Appelman Z; et al, JCU 1990; 18: 721

arteriovenous malformations: locations and evolution in the fetal brain, Comstock CH; Kirk JS, J Ultrasound Med 1991; 10: 361

choroid plexus cysts and chromosomal defects, Thorpe-Beeston JG; Gosden CM; Nicolaides KH, Br J Radiol 1990; 63: 783

cytomegalic inclusion disease: intrauterine sonographic diagnosis using findings involving the brain, Tassin GB; Maklad NF; Stewart RR; et al, AJNR 1991; 12: 117

detection of fetal central nervous system anomalies: a practical level of effort for a routine sonogram, Filly RA; Cardoza JD; Goldstein RB; Barkovich AJ, Radiology 1989; 172: 403

diastematomyelia: prenatal ultrasonic appearances, Winter RK; McKnight LG; Byrne RA; et al, Clin Radiol 1989; 40: 291

effacement of the fetal cisterna magna in association with myelomeningocele, Goldstein RB; Podrasky AE; Filly RA; Callen PW, Radiology 1989; 172: 409

effect of management errors on sonographic evaluation of ventriculomegaly, Heiserman J; Filly RA; Goldstein RB, J Ultrasound Med 1991; 10: 121

evolving fetal hydranencephaly mimicking intracranial neoplasm, Belfar HL; Kuller JA; Hill LM; et al, J Ultrasound Med 1991; 10: 231

fetal central nervous system, Nyberg DA, Semin Roentgenol 1990; 25: 317

fetal central nervous system abnormalities, Spirt BA; Oliphant M; Gordon LP, Radiol Clin North Am 1990; 28: 59

fetal cephaloceles: diagnosis with US, Goldstein RB; LaPidus AS; Filly RA, Radiology 1991; 180: 803

fetal choroid plexus cysts: a prospective study and review of the literature, Twining P; Zuccollo J; Clewes J; et al, Br J Radiol 1991; 64: 98

fetal cisterna magna septa: a normal anatomic finding, Knutzon RK; McGahan JP; Salamat MS; Brant WE, Radiology 1991; 180: 799

fetal intracranial anatomy in the first trimester of pregnancy: transvaginal ultrasonographic evaluation, Kushnir O; Shalev J; Bronstein M; et al, Neuroradiol 1989; 31: 222

fetal intracranial calcifications: the importance of periventricular hyperechoic foci without shadowing, Fakhry J; Khoury A, J Ultrasound Med 1991; 10: 51

fetal sonography: I. neural tube defects, Garel L; Boisvert J; Filiatrault D; et al, Pediatr Radiol 1989; 19: 157

fetal ventricle: importance in routine obstetric sonography, Filly RA; Goldstein RB; Callen PW, Radiology 1991; 181: 1

intrauterine fetal brain NMR spectroscopy: ^{1}H and ^{31}P studies in rats, Nakada T; Kwee IL; Suzuki N; et al, Magn Res Med 1989; 12: 172

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; 172: 1

magnetic resonance imaging of disturbances in neuronal migration: illustration of an embryologic process, Smith AS; Blaser SI; Ross JS; Weinstein MA, Radiographics 1989; 9: 509

natural history of fetal ventriculomegaly, (ab), Hudgins RJ; Edwards MSB; Goldstein R; et al, Radiology 1989; 172: 587

prenatal cerebral Doppler ultrasonography and neonatal neurologic outcome, Rizzo G; Arduini D; Luciano R; et al, J Ultrasound Med 1989; 8: 237

prenatal diagnosis of agenesis of the corpus callosum using endovaginal ultrasound, Hilpert PL; Kurtz AB, J Ultrasound Med 1990; 9: 363

prenatal diagnosis of hydrosyringomyelia by high-resolution ultrasonography, Tomà P; Dell'Acqua A; Cordone M; et al, JCU 1991; 19: 51

prenatal diagnosis of occipital encephalocele with transvaginal sonography, Fleming AD; Vintzileos AM; Scorza WE, J Ultrasound Med 1991; 10: 285

prenatal diagnosis of schizencephaly, Komarniski CA; Cyr DR; Mack LA; et al, J Ultrasound Med 1990; 9: 305

recommendations for obstetric sonography in the evaluation of the fetal cranium, Nyberg DA, Radiology 1989; 172: 309

semilobar holoprosencephaly with associated Arnold–Chiari variant, Britton CA, JCU 1989; 17: 374

sonographically detected fetal choroid plexus cysts: frequency and association with aneuploidy, Chinn DH; Miller EI; Worthy LM; et al, J Ultrasound Med 1991; 10: 255

sonographic detection of hydrolethalus syndrome, Siffring PA; Forrest TS; Frick MP, JCU 1991; 19: 43

sonographic diagnosis of fetal acrania, Ekici E; Gülmezoglu AM, JCU 1991; 19: 363

sonographic evaluation of the normal developmental anatomy of fetal cerebral ventricles. I. the frontal horn, (ab), Goldstein I; Reece EA; Pilu GL; et al, Radiology 1989; 171: 588

sonography of anencephaly: pitfalls in early diagnosis, Goldstein RB; Filly RA; Callen PW, JCU 1989; 17: 397

sonography of fetal intracranial hemorrhage: unusual causes and a review of the literature, Fogarty K; Cohen HL; Haller JO, JCU 1989; 17: 366

spontaneous resolution of fetal hydrocephalus, Dreazen E; Tessler F; Sarti D; et al, J Ultrasound Med 1989; 8: 155

transperineal US: alternative technique to improve visualization of the presenting fetal part, Weber TM; Hertzberg BS; Bowie JD, Radiology 1991; 179: 747

ultrasonography of fetal brain: some remarks with respect to the interpretation of the "cavum septi pellucidi", Thors F; Hoogland HJ, JCU 1990; 18: 411

unilateral hydrocephalus: prenatal sonographic diagnosis, Patten RM; Mack LA; Finberg HJ, AJR 1991; 156: 359

Fetus, CT

method for estimating embryo doses resulting from computed tomographic examinations, Panzer W; Zanki M, Br J Radiol 1989; 62: 936

Fetus, death

comatose young woman with respiratory distress and abdominal mass, Morris CS; Chirico PA, Invest Radiol 1990; 25: 1159

cystic encephalomalacia in twin embolization syndrome, Caballero P; Del Campo L; Ocón E, Radiology 1991; 178: 892

diagnosis of early embryonic demise by endovaginal sonography, Brown DL; Emerson DS; Felker RE; et al, J Ultrasound Med 1990; 9: 631

endovaginal sonography in very early pregnancy: new observations, Goldstein RB, Radiology 1990; 176: 7

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length, Tessler FN, Radiology 1991; 178: 285

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length: reply, Levi CS, Radiology 1991; 178: 285

endovaginal US: demonstration of cardiac activity in embryos of less than 5.0 mm in crown-rump length, Levi CS; Lyons EA; Zheng XH; Lindsay DJ; Holt SC, Radiology 1990; 176: 71

fetal loss rate after ultrasonically documented cardiac activity between 6 and 14 weeks, menstrual age, Hill LM; Guzick D; Fries J; et al, JCU 1991; 19: 221

fetal necrogram: a new technique: experience with 12,000 contrast examinations, Hawass N-E-D; Al-Badawi MG; Fatani JA; et al, Invest Radiol 1989; 24: 711

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Hughes MD; Nyberg DA; Mack LA; Pretorius DH, Radiology 1989; 173: 371

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Poznanski AK, Radiology 1990; 177: 883

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome: reply, Nyberg DA; Hughes MD; Mack LA; Pretorius DH, Radiology 1990; 177: 883

fetal well-being: nonimaging assessment and the biophysical profile, Jackson GM; Forouzan I; Cohen AW, Semin Roentgenol 1991; 26: 21

first trimester bradycardia: a sign of impending fetal loss, Laboda LA; Estroff JA; Benacerraf BR, J Ultrasound Med 1989; 8: 561

infection in utero: US findings in 19 cases, Drose JA; Dennis MA; Thickman D, Radiology 1991; 178: 369

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; 172: 1

sonographic evidence of fetal hydrothorax after in-utero death of monozygotic twin, Yancey MK; Brady K; Read JA; et al, JCU 1991; **19:** 162

twin embolization syndrome: prenatal sonographic detection and significance, Patten RM; Mack LA; Nyberg DA; Filly RA, Radiology 1989; **173:** 685

uterine ring and fetal demise, Jeanty P; Johns R; Boehm F, J Ultrasound Med 1989; **8:** 635

value of sonography in acute encephalomalacia, Hernanz-Schulman M, Radiology 1991; **180:** 880

value of sonography in acute encephalomalacia: reply, Caballero P, Radiology 1991; **180:** 880

value of systematic post mortem radiographic examinations of fetuses—400 cases, Kalifa G; Barbet JP; Labbe F; et al, Pediatr Radiol 1989; **19:** 111

Fetus, effects of irradiation on

estimated fetal radiation dose from multislice CT studies, Felmlee JP; Gray JE; Leetzow ML; et al, AJR 1990; **154:** 185

fetal dose estimates for CT pelvimetry, Moore MM; Shearer DR, Radiology 1989; **171:** 265

radiation dosimetry for the adult female and fetus from iodine-131 administration in hyperthyroidism, Stabin MG; Watson EE; Marcus CS; et al, J Nucl Med 1991; **32:** 808

Fetus, endocrine glands

sonographic findings in maternal hyperthyroidism: fetal hyperthyroidism/fetal goiter, Belfar HL; Foley TP Jr; Hill LM; et al, J Ultrasound Med 1991; **10:** 281

Fetus, gastrointestinal tract

anorectal atresia presenting as an abdominopelvic mass, Miller SF; Angtuaco TL; Quirk JG; et al, J Ultrasound Med 1990; **9:** 669

early transvaginal sonographic diagnosis of gastroschisis, Kushnir O; Izquierdo LA; Vigil D; et al, JCU 1990; **18:** 194

echographic diagnosis of omphalocele in the first trimester of pregnancy, Pagliano M; Mossetti M; Ragno P; et al, JCU 1990; **18:** 658

fetal gastrointestinal abnormalities, Hertzberg BS; Bowie JD, Radiol Clin North Am 1990; **28:** 101

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Hughes MD; Nyberg DA; Mack LA; Pretorius DH, Radiology 1989; **173:** 371

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Poznanski AK, Radiology 1990; **177:** 883

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome: reply, Nyberg DA; Hughes MD; Mack LA; Pretorius DH, Radiology 1990; **177:** 883

foetal hepatic calcification, Hawass N-E-D; El Badawi MG; Fatani JA; et al, Pediatr Radiol 1990; **20:** 528

oesophageal atresia and other disorders with a similar antenatal presentation, Havard AC; MacDonald LM, Br J Radiol 1991; **64:** 557

prenatal detection of gallstones, Abbitt PL; McIlhenny J, JCU 1990; **18:** 202

sonography of normal fetal bowel, Parulekar SG, J Ultrasound Med 1991; **10:** 211

ultrasound attenuation coefficient in the fetal liver as a function of gestational age, Carson PL; Meyer CR; Chiang EH; et al, Ultrasound Med Biol 1990; **16:** 399

Fetus, genitourinary system

antenatal diagnosis of renal pelvic dilatation—the natural history of conservative management, Gordon I; Dhillon HK; Peters AM, Pediatr Radiol 1991; **21:** 272

Caroli's disease associated with infantile polycystic kidney disease: prenatal sonographic appearance, Hussman KL; Friedwald JP; Gollub MJ; et al, J Ultrasound Med 1991; **10:** 235

cloacal exstrophy: radiologic findings in 13 patients, Meglin AJ; Balotin RJ; Jelinek JS; et al, AJR 1990; **155:** 1267

detection and management of the dilated fetal urinary tract, Tudor J; Whitaker RH, Clin Radiol 1989; **40:** 229

fetal genitourinary tract, Louie A; Arger PH, Semin Roentgenol 1990; **25:** 342

fetal genitourinary tract, Patten RM; Mack LA; Wang KY; et al, Radiol Clin North Am 1990; **28:** 115

fetal lobation: an anatomo-ultrasonographic correlation, Patriquin HB; Lefaivre J-F; Lafortune M; et al, J Ultrasound Med 1990; **9:** 191

importance of prenatal detection of hydronephrosis of the upper pole, Winters WD; Lebowitz RL, AJR 1990; **155:** 125

intra-uterine cystography for evaluation of prenatal obstructive uropathy, Stoutenbeek P; de Jong TPVM; van Gool JD; et al, Pediatr Radiol 1989; **19:** 247

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; **172:** 1

mild fetal renal pelviectasis: differentiation from hilar vascularity using color Doppler sonography, Betz BW; Hertzberg BS; Carroll BA; et al, J Ultrasound Med 1991; **10:** 243

neonatal hydronephrosis due to primary vesicoureteral reflux: trends in diagnosis and treatment, Paltiel HJ; Lebowitz RL, Radiology 1989; **170:** 787

normal length of fetal kidneys: sonographic study in 397 obstetric patients, Cohen HL; Cooper J; Eisenberg P; et al, AJR 1991; **157:** 545

outcome after antenatal diagnosis of upper urinary tract dilatation by ultrasonography, (ab), Gunn TR; Mora JD; Pease P, Radiology 1989; **171:** 883

prenatal diagnoses in unilateral empty renal fossa, Jeanty P; Romero R; Kepple D; et al, J Ultrasound Med 1990; **9:** 651

prenatal diagnosis by ultrasound in pregnancies at risk for autosomal recessive polycystic kidney disease, Reuss A; Wladimiroff JW; Stewart PA; et al, Ultrasound Med Biol 1990; **16:** 355

prenatal diagnosis, management and outcome of fetal uretero-pelvic junction obstruction, Bosman G; Reuss A; Nijman JM; et al, Ultrasound Med Biol 1991; **17:** 117

prenatal diagnosis of nephroblastomatosis in two siblings, Ambrosino MM; Hernanz-Schulman M; Horii SC; et al, J Ultrasound Med 1990; **9:** 49

prenatal diagnosis of unilateral renal disease in tuberous sclerosis, Blethyn J; Jones A; Sullivan B, Br J Radiol 1991; **64:** 161

prenatal evolution of a nonfunctioning kidney in the setting of obstructive hydronephrosis, Benacerraf BR; Peters CA; Mandell J, JCU 1991; **19:** 446

prenatal sonographic diagnosis and subsequent management of fetal adnexal torsion, Sherer DM; Shah YG; Eggers PC; et al, J Ultrasound Med 1990; **9:** 161

prenatal sonographic diagnosis of unilateral fetal renal agenesis, Sherer DM; Thompson HO; Armstrong B; et al, JCU 1990; **18:** 648

prenatal sonographic findings associated with a fetal horseshoe kidney, Sherer DM; Cullen JBH; Thompson HO; et al, J Ultrasound Med 1990; **9:** 477

prenatal sonographic findings in bladder exstrophy, Barth RA; Filly RA; Sondheimer FK, J Ultrasound Med 1990; **9:** 359

sonographic diagnosis of abnormal fetal genitalia, Benacerraf BR; Saltzman DH; Mandell J, J Ultrasound Med 1989; **8:** 613

sonographic diagnosis of unilateral fetal renal duplication with associated ectopic ureterocele, Sherer DM; Menashe M; Lebensart P; et al, JCU 1989; **17:** 371

structural genitourinary defects detected in utero, Mandell J; Blyth BR; Peters CA; Retik AB; Estroff JA; Benacerraf BR, Radiology 1991; **178:** 193

transvaginal sonographic measurement of fetal kidneys in the first trimester of pregnancy, Bronshtein M; Kushnir O; Ben-Rafael Z; et al, JCU 1990; **18:** 299

what's new in pediatric uroradiology, Preston A; Lebowitz RL, Urol Radiol 1989; **11:** 217

Fetus, growth and development

amniotic fluid volume in large-for-gestational-age fetuses of nondiabetic mothers, Benson CB; Coughlin BF; Doubilet PM, J Ultrasound Med 1991; **10:** 149

automatic measurements of fetal long bones: a feasibility study, Thomas JG; Jeanty P; Peters RA II; et al, J Ultrasound Med 1991; **10:** 381

bronchopulmonary and neurenteric forms of foregut anomalies: imaging for diagnosis and management, Haddon MJ; Bowen A, Radiol Clin North Am 1991; **29:** 241

clinical assessment of fetal well-being, Varner MW; Hurst B, Semin US CT MR 1989; **10:** 367

clinical value of screening for fetal growth retardation by Doppler ultrasound, Bruinse HW; Sijmons EA; Reuwer PJHM, J Ultrasound Med 1989; **8:** 207

comparison of dynamic image and pulsed Doppler ultrasonography for the diagnosis of intrauterine growth retardation, Ott WJ, JCU 1990; **18:** 3

computer-assisted, multiple-parameter assessment of fetal age and growth, Hadlock FP, Semin US CT MR 1989; **10:** 383

coronal biparietal diameter: a reliable alternative to the traditional transverse biparietal diameter, Goldkrand JW; Kuhlman T; Fox E; et al, J Ultrasound Med 1990; **9:** 555

cystic encephalomalacia in twin embolization syndrome, Caballero P; Del Campo L; Ocón E, Radiology 1991; **178:** 892

detection of intrauterine fetal growth retardation with abdominal circumference and estimated fetal weight using cross-sectional growth curves, Simon NV; O'Connor TJ III; Shearer DM, JCU 1990; **18:** 685

development of individual growth standards for estimated fetal weight: II. weight prediction during the third trimester and at birth, Deter RL; Rossavik IK; Carpenter RJ, JCU 1989; **17:** 83

disparity of amniotic fluid volume and fetal size: problem of the stuck twin—US studies, Patten RM; Mack LA; Harvey D; Cyr DR; Pretorius DH, Radiology 1989; **172:** 153

duplex Doppler sonography of the umbilical arteries: predictive value in IUGR and correlation with birth weight, Worrell JA; Fleischer AC; Drolshagen LF; et al, Ultrasound Med Biol 1991; **17:** 207

effect of the pretest probability of intrauterine growth retardation on the predictiveness of sonographic estimated fetal weight in detecting IUGR: a clinical application of Bayes' theorem, Simon NV; Surosky BA; Shearer DM; et al, JCU 1990; **18:** 145

effect of timing of initial scan and interval between scans on Rossavik growth model specification, Stefos T; Deter RL; Simon NV, JCU 1989; **17:** 319

endovaginal sonography in very early pregnancy: new observations, Goldstein RB, Radiology 1990; **176:** 7

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length, Tessler FN, Radiology 1991; **178:** 285

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length: reply, Levi CS, Radiology 1991; **178:** 285

endovaginal US: demonstration of cardiac activity in embryos of less than 5.0 mm in crown-rump length, Levi CS; Lyons EA; Zheng XH; Lindsay DJ; Holt SC, Radiology 1990; **176:** 71

estimated fetal weight in the detection of the small-for-menstrual-age fetus, Dudley NJ; Lamb MP; Hatfield JA; et al, JCU 1990; **18:** 387

evaluation methods for intrauterine growth using neonatal fat stores instead of birth weight as outcome measures: fetal and neonatal measurements correlated with neonatal skinfold thicknesses, Sumners JE; Findley GM; Ferguson KA, JCU 1990; **18:** 9

evaluation of early third-trimester ultrasound screening for intrauterine growth retardation, Skovron ML; Berkowitz GS; Lapinski RH; et al, J Ultrasound Med 1991; **10:** 153

evaluation of fetal growth by ultrasonography in twin pregnancy: a comparison between individual and cross-sectional growth curve standards, Simon NV; Deter RL; Hassinger KK; et al, JCU 1989; **17:** 633

fetal anthropometry at term: effect of menstrual age and relative fetal size, Miller JM Jr; Foster TA; Brown HL; et al, JCU 1989; **17:** 193

fetal Doppler shift waveforms in intrauterine growth retardation: Laplace transform analysis technique, Stone PR; Skidmore R; Baker JD; et al, Ultrasound Med Biol 1990; **16:** 773

fetal growth disturbances, Doubilet PM; Benson CB, Semin Roentgenol 1990; **25:** 309

fetal growth retardation with abnormal blood flows and placental sonographic lesions, Jauniaux E; Campbell S, JCU 1990; **18:** 210

fetal renal arterial blood velocity waveforms detected with color-flow mapping and pulsed Doppler flowmetry in intrauterine growth retardation, Maeda K; Takeuchi Y, JCU 1990; **18:** 527

gestational age: what to measure and when, Blum L; Kurtz AB, Semin Roentgenol 1990; **25:** 299

growth of fetuses of diabetic mothers, Todros T; Meriggi E; Catella G; et al, JCU 1989; **17:** 333

hemodynamic changes in growth retarded fetuses during maternal oxygen administration as predictors of fetal outcome, Arduini D; Rizzo G; Romanini C; et al, J Ultrasound Med 1989; **8:** 193

ideal fetal head circumference calculation, Kurtz AB; Kurtz RJ, J Ultrasound Med 1989; **8:** 25

individual growth curve standards for fetal head and abdominal circumferences: effect of the type of measurement on growth prediction, Stefos T; Deter RL, JCU 1989; **17:** 33

individual growth curve standards in twins: growth in the second trimester, Stefos T; Deter RL; Hill RM; et al, JCU 1989; **17:** 641

infection in utero: US findings in 19 cases, Drose JA; Dennis MA; Thickman D, Radiology 1991; **178:** 369

influence of the interval between time points on individual fetal growth curve standards derived from Rossavik models and two ultrasound scans before 26 weeks, menstrual age, Simon NV; Deter RL; Levisky JS; et al, JCU 1989; **17:** 245

intrauterine growth of the fetus at term: a prospective and longitudinal study with real-time ultrasound, Crang-Svalenius E; Jörgensen C; Mariscal U-B, J Ultrasound Med 1990; **9:** 35

intrauterine growth retardation: a prospective study of the diagnostic value of real-time sonography combined with umbilical artery flow velocimetry, (ab), Divon MY; Guidetti DA; Braverman JJ; et al, Radiology 1989; **171:** 588

intrauterine growth retardation: diagnosis based on multiple parameters—a prospective study, Benson CB; Belville JS; Lentini JF; Saltzman DH; Doubilet PM, Radiology 1990; **177:** 499

intrauterine growth retardation mimicking skeletal dysplasia on antenatal sonography, Pattarelli P; Pretorius DH; Edwards DK, J Ultrasound Med 1990; **9:** 737

in utero analysis of fetal growth: a sonographic weight standard, Hadlock FP; Harrist RB; Martinez-Poyer J, Radiology 1991; **181:** 129

in utero growth of the large-for-menstrual-age fetus, Miller JM Jr; Kissling GE; Brown HL; et al, JCU 1989; **17:** 15

mathematical modeling of fetal limb growth, Merz E; Grüssner A; Kern F, JCU 1989; **17:** 179

nonimaging methods for assessment of fetal well-being, Hurst B; Varner MW, Semin US CT MR 1989; **10:** 396

normal sonographic appearance of the fetal neck late in the first trimester: the pseudomembrane, Hertzberg BS; Bowie JD; Carroll BS; Killam AP; Ruiz P, Radiology 1989; **171:** 427

normal ultrasonic fetal growth ratios evaluated in cases of fetal disproportion, Crang-Svalenius E; Jörgensen C, J Ultrasound Med 1991; **10:** 89

ossification of the fetal spine, Budorick NE; Pretorius DH; Grafe MR; Lou KV, Radiology 1991; **181:** 561

pediatric case of the day, Hilpert PL; Goldberg BB; Kurtz AB, Radiographics 1990; **10:** 950

persistent right umbilical vein: an ominous prenatal finding?, Jeanty P, Radiology 1990; **177:** 735

predicting the birth characteristics of normal fetuses 14 weeks before delivery, Deter RL; Hill RM; Tennyson LM, JCU 1989; **17:** 89

prediction of normal fetal growth by the Rossavik growth model using two scans before 27 weeks, menstrual age, Simon NV; Deter RL; Shearer DM; et al, JCU 1989; **17:** 237

prenatal development of the normal human skeleton: a combined ultrasonographic and post-mortem radiographic study, van der Harten HJ; Brons JTJ; Schipper NW; et al, Pediatr Radiol 1990; **21:** 52

prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: I. the fetal head, Reece EA; Yarkoni S; Abdalla M; et al, J Ultrasound Med 1991; **10:** 439

prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: II. the fetal limbs, Reece EA; Yarkoni S; Abdalla M; et al, J Ultrasound Med 1991; **10:** 445

reliability of sonographic measurement of the fetal foot, Shalev E; Weiner E; Zuckerman H; et al, J Ultrasound Med 1989; **8:** 259

role of umbilical Doppler velocimetry in the biophysical assessment of the growth-retarded fetus: answers from neonatal morbidity and mortality, Ferrazzi E; Vegni C; Bellotti M; et al, J Ultrasound Med 1991; **10:** 309

small sac size in the first trimester: a predictor of poor fetal outcome, Bromley B; Harlow BL; Laboda LA; Benacerraf BR, Radiology 1991; **178:** 375

sonographic estimation of fetal age and weight, Hadlock FP, Radiol Clin North Am 1990; **28:** 39

sonographic fetal growth standards: are current data applicable to a racially mixed population?, Hadlock FP; Harrist RB; Shah YP; et al, J Ultrasound Med 1990; **9:** 157

sonographic measurement of the fetal femur: factors affecting accuracy, Lessoway VA; Schulzer M; Wittmann BK, JCU 1990; **18:** 471

test of I^2T as a dose parameter for fetal weight reduction from exposure to ultrasound, Child SZ; Hoffman D; Strassner D; et al, Ultrasound Med Biol 1989; **15:** 39

twin embolization syndrome: prenatal sonographic detection and significance, Patten RM; Mack LA; Nyberg DA; Filly RA, Radiology 1989; **173:** 685

twin-twin transfusion syndrome: sonographic findings, Brown DL; Benson CB; Driscoll SG; Doubilet PM, Radiology 1989; **170:** 61

usefulness of a short femur in the in utero detection of skeletal dysplasias, Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB, Radiology 1990; **177:** 197

value of sonography in acute encephalomalacia, Hernanz-Schulman M, Radiology 1991; **180:** 880

value of sonography in acute encephalomalacia: reply, Caballero P, Radiology 1991; **180:** 880

Fetus, MR

echo-planar imaging of the human fetus *in utero*, Stehling MK; Mansfield P; Ordidge RJ; et al, Magn Res Med 1990; **13:** 314

echo planar imaging of the human fetus *in utero* at 0.5 T, Mansfield P; Stehling MK; Ordidge RJ; et al, Br J Radiol 1990; **63:** 833

fetal fat measurement by magnetic resonance imaging, Deans HE; Smith FW; Lloyd DJ; et al, Br J Radiol 1989; **62:** 603

hydrocephalus and porencephaly: prenatal diagnosis by ultrasonography and MR imaging, Tomá P; Lucigrai G; Ravegnani M; et al, JCAT 1990; **14:** 843

intrauterine fetal brain NMR spectroscopy: ^{1}H and ^{31}P studies in rats, Nakada T; Kwee IL; Suzuki N; et al, Magn Res Med 1989; **12:** 172

magnetic resonance imaging as an adjunct to ultrasound in oligohydramnios: detection of sirenomelia, Fitzmorris-Glass R; Mattrey RF; Cantrell CJ, J Ultrasound Med 1989; **8:** 159

MR imaging of fetal anomalies, Benson RC; Colletti PM; Platt LD; et al, AJR 1991; **156:** 1205

prenatal detection of an abdominal mass by MR imaging performed while the fetus is immobilized with pancuronium bromide, Tomá P; Lucigrai G; Dodero P; et al, AJR 1990; **154:** 1049

Fetus, neoplasms

case report: antenatal diagnosis of congenital glioblastoma, McConachie NS; Twining P; Lamb MP, Clin Radiol 1991; **44:** 121

case report: in-utero aspiration of sacrococcygeal cyst, Weston MJ; Andrews H, Clin Radiol 1991; **44:** 119

disappearing fetal umbilical cord masses: are these findings suggestive of urachal anomalies?, Persutte WH; Lenke RR, J Ultrasound Med 1990; **9:** 547

fetal cystic hygroma: prenatal diagnosis and management, (ab), Pijpers L; Reuss A; Stewart PA; et al, Radiology 1989; **170:** 586

in utero sonographic description of a fetal liver adenoma, Marks F; Thomas P; Lustig I; et al, J Ultrasound Med 1990; **9:** 119

management of a fetus with intrapericardial teratoma diagnosed in utero, Todros T; Gaglioti P; Presbitero P, J Ultrasound Med 1991; **10:** 287

prenatal detection of an abdominal mass by MR imaging performed while the fetus is immobilized with pancuronium bromide, Tomá P; Lucigrai G; Dodero P; et al, AJR 1990; **154:** 1049

prenatal ultrasound detection of congenital gingival granular cell tumor, Hulett RL; Bowerman RA; Marks T; et al, J Ultrasound Med 1991; **10:** 185

ultrasound case of the day, annual meeting, 1988, Kurtz AB; Hilbert P, Radiographics 1989; **9:** 361

Fetus, respiratory system

antenatal diagnosis of congenital cystic adenomatoid malformation of the lung, Deacon CS; Smart PJ; Rimmer S, Br J Radiol 1990; **63:** 968

biophysical profile, Lupo VR, Semin US CT MR 1989; **10:** 405

fetal thoracentesis with unsuccessful outcome, Landy HJ; Daly V; Heyl PS; et al, JCU 1990; **18:** 50

lung sequestration: duplex Doppler diagnosis at 19 weeks gestation, Sauerbrei E, J Ultrasound Med 1991; **10:** 101

prenatal sonographic diagnosis of bronchopulmonary foregut malformation, Siffring PA; Forrest TS; Hill WC; et al, J Ultrasound Med 1989; **8:** 277

prenatal treatment of type I congenital cystic adenomatoid malformation by intrauterine fetal thoracentesis, Nugent CE; Hayashi RH; Rubin J, JCU 1989; **17:** 675

prenatal ultrasound detection of intra-abdominal pulmonary sequestration with postnatal MRI correlation, Brink DA; Balsara ZN, Pediatr Radiol 1991; **21:** 227

quantitative tissue motion analysis of digitized M-mode images: gestational differences of fetal lung, Adler RS; Rubin JM; Bland PH; et al, Ultrasound Med Biol 1990; **16:** 561

spontaneous resolution of fetal pleural effusion diagnosed during the second trimester, Lien JM; Colmorgen GHC; Gehret JF; et al, JCU 1990; **18:** 54

spontaneous resolution of isolated fetal ascites associated with extralobar lung sequestration, Meizner I; Carmi R; Mares AJ; et al, JCU 1990; **18:** 57

ultrasonic detection of subdiaphragmatic pulmonary sequestration in utero and postnatal diagnosis by fine-needle aspiration biopsy, Davies RP; Ford WDA; LeQuesne GW; et al, J Ultrasound Med 1989; **8:** 47

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 1140

use of lung–thorax transverse area ratio in the antenatal evaluation of lung hypoplasia in congenital diaphragmatic hernia, Hasegawa T; Kamata S; Imura K; et al, JCU 1990; **18:** 705

Fetus, skeletal system

antenatal sonographic appearance of spondyloepiphyseal dysplasia congenita, Kirk JS; Comstock CH, J Ultrasound Med 1990; **9:** 173

arthrogryposis multiplex congenita: prenatal ultrasonographic diagnosis, Gorczyca DP; McGahan JP; Lindfors KK; et al, JCU 1989; **17:** 40

automatic measurements of fetal long bones: a feasibility study, Thomas JG; Jeanty P; Peters RA II; et al, J Ultrasound Med 1991; **10:** 381

can sonographers reliably identify anatomic features associated with Down syndrome in fetuses?, Benacerraf BR; Cnann A; Gelman R; Laboda LA; Frigoletto FD Jr, Radiology 1989; **173:** 377

congenital kyphosis due to absence of two lumbar vertebral bodies, Broekman BAMW; Dorr JPJ, JCU 1991; **19:** 303

fetal skeletal anomalies, Romero R; Athanassiadis AP; Jeanty P, Radiol Clin North Am 1990; **28:** 75

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; **172:** 1

ossification of the fetal spine, Budorick NE; Pretorius DH; Grafe MR; Lou KV, Radiology 1991; **181:** 561

osteogenesis inperfecta type II: prenatal sonographic diagnosis, Munoz C; Filly RA; Golbus MS, Radiology 1990; **174:** 181

Pena–Shokeir type I syndrome: in utero sonographic appearance, Genkins SM; Hertzberg BS; Bowie JD; et al, JCU 1989; **17:** 56

prenatal sonographic appearance and subsequent management of a fetus with oromandibular limb hypogenesis syndrome associated with pulmonary hypoplasia, Shechter SA; Sherer DM; Geilfuss CJ; et al, JCU 1990; **18:** 661

prenatal ultrasonic diagnosis of mandibulofacial dysostosis (Treacher Collins syndrome), Meizner I; Carmi R; Katz M, JCU 1991; **19:** 124

prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: I. the fetal head, Reece EA; Yarkoni S; Abdalla M; et al, J Ultrasound Med 1991; **10:** 439

prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: II. the fetal limbs, Reece EA; Yarkoni S; Abdalla M; et al, J Ultrasound Med 1991; **10:** 445

short-limb skeletal dysplasias: evaluation of the fetal spine with sonography and radiography, Rouse GA; Filly RA; Toomey F; Grube GL, Radiology 1990; **174:** 177

Fetus, US

See also Pregnancy, US

angiomyxoma involving the whole length of the umbilical cord: prenatal diagnosis by ultrasonography, Jauniaux E; Moscoso G; Chitty L; et al, J Ultrasound Med 1990; **9:** 419

antenatal diagnosis of diastematomyelia, Caspi B; Gorbacz S; Appelman Z; et al, JCU 1990; **18:** 721

antenatal diagnosis of megalourethra in a fetus with the prune belly syndrome, Fisk NM; Dhillon HK; Ellis CE; et al, JCU 1990; **18:** 124

antenatal diagnosis of pulmonary arteriovenous fistula using real-time ultrasound and color Doppler flow imaging, Kalugdan RG; Satoh S; Koyanagi T; et al, JCU 1989; **17:** 607

antenatal diagnosis of renal pelvic dilatation—the natural history of conservative management, Gordon I; Dhillon HK; Peters AM, Pediatr Radiol 1991; **21:** 272

antenatal diagnosis of restriction of the foramen ovale, Fraser WD; Nimrod C; Nicholson S; et al, J Ultrasound Med 1989; **8:** 281

antenatal diagnosis of vasa previa by color-flow mapping, Hsieh F-J; Chen H-F; Ko T-M; et al, J Ultrasound Med 1991; **10:** 397

antenatal sonographic appearance of spondyloepiphyseal dysplasia congenita, Kirk JS; Comstock CH, J Ultrasound Med 1990; **9:** 173

antenatal sonographic detection of Wolffian duct cyst, Kapoor R; Saha MM; Mandal AK, JCU 1989; **17:** 515

antenatal sonographic findings of congenital chloride diarrhea, Patel PJ; Kolawole TM; Ba'Aqueel HS; et al, JCU 1989; **17:** 115

antenatal ultrasonic diagnosis of Meckel Gruber syndrome (a case report with review of literature), Vernekar JA; Mishra GK; Pinto RGW; et al, Australas Radiol 1991; **35:** 186

arthrogryposis multiplex congenita: prenatal ultrasonographic diagnosis, Gorczyca DP; McGahan JP; Lindfors KK; et al, JCU 1989; **17:** 40

basic ultrasound examination of the uncomplicated pregnancy, Kurtz AB, Radiol Clin North Am 1990; **28:** 1

biophysical profile: a literature review and reassessment of its usefulness in the evaluation of fetal well-being, Finberg HJ; Kurtz AB; Johnson RL; et al, J Ultrasound Med 1990; **9:** 583

can sonographers reliably identify anatomic features associated with Down syndrome in fetuses?, Benacerraf BR; Cnann A; Gelman R; Laboda LA; Frigoletto FD Jr, Radiology 1989; **173:** 377

can umbilical and arcuate artery Doppler velocimetry predict fetal distress among prolonged pregnancies?, Forouzan I; Cohen AW, J Ultrasound Med 1991; **10:** 15

cephalothoracopagus janiceps disymmetros twinning, Nolan R; Ling F; Langlotz H; et al, J Ultrasound Med 1990; **9:** 593

changes in fetal hemodynamics with terbutaline treatment and premature labor, Sharif DS; Huhta JC; Moise KJ Jr; et al, JCU 1990; **18:** 85

choroid plexus cysts in the fetus: a benign anatomic variant or pathologic entity? report of 41 cases and review of the literature, (ab), Chitkara U; Cogswell C; Norton K; et al, Radiology 1989; **170:** 585

clinical value of screening for fetal growth retardation by Doppler ultrasound, Bruinse HW; Sijmons EA; Reuwer PJHM, J Ultrasound Med 1989; **8:** 207

color-flow and Doppler velocimetry in prenatal diagnosis of acardiac triplet, Al-Malt A; Ashmead G; Judge N; et al, J Ultrasound Med 1991; **10:** 341

comparison of dynamic image and pulsed Doppler ultrasonography for the diagnosis of intrauterine growth retardation, Ott WJ, JCU 1990; **18:** 3

comparison of implantation and early development of human embryos fertilized in vitro versus in vivo using transvaginal ultrasound, Pellicer A; Calatayud C; Miró F; et al, J Ultrasound Med 1991; **10:** 31

comparison of transvaginal and abdominal ultrasound in visualizing the first trimester conceptus, Cullen MT; Green JJ; Reece EA; et al, J Ultrasound Med 1989; **8:** 565

conjoined twins: prenatal diagnosis and assessment of associated malformations, Barth RA; Filly RA; Goldberg JD; Moore P; Silverman NH, Radiology 1990; **177:** 201

coronal biparietal diameter: a reliable alternative to the traditional transverse biparietal diameter, Goldkrand JW; Kuhlman T; Fox E; et al, J Ultrasound Med 1990; **9:** 555

cystic encephalomalacia in twin embolization syndrome, Caballero P; Del Campo L; Ocón E, Radiology 1991; **178:** 892

detection and management of the dilated fetal urinary tract, Tudor J; Whitaker RH, Clin Radiol 1989; **40:** 229

detection of fetal central nervous system anomalies: a practical level of effort for a routine sonogram, Filly RA; Cardoza JD; Goldstein RB; Barkovich AJ, Radiology 1989; **172:** 403

detection of intrauterine fetal growth retardation with abdominal circumference and estimated fetal weight using cross-sectional growth curves, Simon NV; O'Connor TJ III; Shearer DM, JCU 1990; **18:** 685

development of individual growth standards for estimated fetal weight: II. weight prediction during the third trimester and at birth, Deter RL; Rossavik IK; Carpenter RJ, JCU 1989; **17:** 83

diagnosis of early embryonic demise by endovaginal sonography, Brown DL; Emerson DS; Felker RE; et al, J Ultrasound Med 1990; **9:** 631

diagnosis of fetal ectopia cordis by transvaginal ultrasound, Fleming AD; Vintzileos AM; Rodis JF; et al, J Ultrasound Med 1991; **10:** 413

diagnosis of viability in early pregnancy with vaginal sonography, Rempen A, J Ultrasound Med 1990; **9:** 711

diastematomyelia: prenatal ultrasonic appearances, Winter RK; McKnight LG; Byrne RA; et al, Clin Radiol 1989; **40:** 291

differential diagnosis of first trimester ventral wall defect, Gray DL; Martin CM; Crane JP, J Ultrasound Med 1989; **8:** 255

difficulties in the prenatal diagnosis of myotubular myopathy by ultrasonography, Katz VL; Callanan NP; Kirkman HN, JCU 1989; **17:** 685

disorders of the fetal thorax and abdomen, Dinsmore BJ; Grumbach K, Semin Roentgenol 1990; **25:** 334

disparity of amniotic fluid volume and fetal size: problem of the stuck twin—US studies, Patten RM; Mack LA; Harvey D; Cyr DR; Pretorius DH, Radiology 1989; **172:** 153

Doppler assessment of the umbilical circulation, Cook CM; Connelly AJ; Trudinger BJ, Semin US CT MR 1989; **10:** 417

Doppler demonstration of reversed umbilical blood flow in an acardiac twin, Benson CB; Bieber FR; Genest DR; et al, JCU 1989; **17:** 291

duplex Doppler systems in obstetric ultrasound, Carroll BA, Radiol Clin North Am 1990; **28:** 189

duplex ultrasonography of the fetal aorta, umbilical artery, and placental arcuate artery throughout normal human pregnancy, Cameron A; Nicholson S; Nimrod C; et al, J Canad Assoc Radiol 1989; **40:** 145

earlier diagnosis of fetal anomalies: *quo vadis?*, Filly RA, Radiology 1991; **181:** 627

early determination of fetal sex using transvaginal sonography: technique and pitfalls, Bronshtein M; Rottem S; Yoffe N; et al, JCU 1990; **18:** 302

echographic diagnosis of omphalocele in the first trimester of pregnancy, Pagliano M; Mossetti M; Ragno P; et al, JCU 1990; **18:** 658

ecologic physiology of the fetus: ultrasonography of supply-line deprivation syndromes, Birnholz JC, Radiol Clin North Am 1990; **28:** 179

effacement of the fetal cisterna magna in association with myelomeningocele, Goldstein RB; Podrasky AE; Filly RA; Callen PW, Radiology 1989; **172:** 409

effect of fetal heart rate on umbilical arterial Doppler indices, Yarlagadda P; Willoughby L; Maulik D, J Ultrasound Med 1989; **8:** 215

effect of the pretest probability of intrauterine growth retardation on the predictiveness of sonographic estimated fetal weight in detecting IUGR: a clinical application of Bayes' theorem, Simon NV; Surosky BA; Shearer DM; et al, JCU 1990; **18:** 145

effect of timing of initial scan and interval between scans on Rossavik growth model specification, Stefos T; Deter RL; Simon NV, JCU 1989; **17:** 319

embryonic heart rate in human pregnancy, Howe RS; Isaacson KJ; Albert JL; et al, J Ultrasound Med 1991; **10:** 367

endoluminal catheter-assisted transcervical US of the human embryo. work in progress, Ragavendra N; McMahon JT; Perrella RR; Tessler FN; Hansen GC; Kimme-Smith C; Grant EG; Crandall BF, Radiology 1991; **181:** 779

endovaginal sonography in very early pregnancy: new observations, Goldstein RB, Radiology 1990; **176:** 7

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length, Tessler FN, Radiology 1991; **178:** 285

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length: reply, Levi CS, Radiology 1991; **178:** 285

endovaginal US: demonstration of cardiac activity in embryos of less than 5.0 mm in crown-rump length, Levi CS; Lyons EA; Zheng XH; Lindsay DJ; Holt SC, Radiology 1990; **176:** 71

estimated fetal weight in the detection of the small-for-menstrual-age fetus, Dudley NJ; Lamb MP; Hatfield JA; et al, JCU 1990; **18:** 387

evaluation methods for intrauterine growth using neonatal fat stores instead of birth weight as outcome measures: fetal and neonatal measurements correlated with neonatal skinfold thicknesses, Sumners JE; Findley GM; Ferguson KA, JCU 1990; **18:** 9

evaluation of early third-trimester ultrasound screening for intrauterine growth retardation, Skovron ML; Berkowitz GS; Lapinski RH; et al, J Ultrasound Med 1991; **10:** 153

evaluation of fetal growth by ultrasonography in twin pregnancy: a comparison between individual and cross-sectional growth curve standards, Simon NV; Deter RL; Hassinger KK; et al, JCU 1989; **17:** 633

evaluation of fetal structural heart disease using color flow mapping, Chiba Y; Kanzaki T; Kobayashi H; et al, Ultrasound Med Biol 1990; **16:** 221

femur length in the US prediction of trisomy 21 and other chromosomal abnormalities, Grist TM; Fuller RW; Albiez KL; Bowie JD, Radiology 1990; **174:** 837

fetal and funicular vascular anomalies: identification with prenatal US, Jeanty P, Radiology 1989; **173:** 367

fetal anthropometry at term: effect of menstrual age and relative fetal size, Miller JM Jr; Foster TA; Brown HL; et al, JCU 1989; **17:** 193

fetal central nervous system abnormalities, Spirt BA; Oliphant M; Gordon LP, Radiol Clin North Am 1990; **28:** 59

fetal cephaloceles: diagnosis with US, Goldstein RB; LaPidus AS; Filly RA, Radiology 1991; **180:** 803

fetal choroid plexus cysts: a prospective study and review of the literature, Twining P; Zuccollo J; Clewes J; et al, Br J Radiol 1991; **64:** 98

fetal choroid plexus cysts: a report of 100 cases, Ostlere SJ; Irving HC; Lilford RJ, Radiology 1990; **175:** 753

fetal choroid plexus lesions: relationship of antenatal sonographic appearance to clinical outcome, Hertzberg BS; Kay HH; Bowie JD, J Ultrasound Med 1989; **8:** 77

fetal cisterna magna septa: a normal anatomic finding, Knutzon RK; McGahan JP; Salamat MS; Brant WE, Radiology 1991; **180:** 799

fetal cystic hygroma: prenatal diagnosis and management, (ab), Pijpers L; Reuss A; Stewart PA; et al, Radiology 1989; **170:** 586

fetal depth and ultrasound path lengths through overlying tissues, Carson PL; Rubin JM; Chiang EH, Ultrasound Med Biol 1989; **15:** 629

fetal Doppler shift waveforms in intrauterine growth retardation: Laplace transform analysis technique, Stone PR; Skidmore R; Baker JD; et al, Ultrasound Med Biol 1990; **16:** 773

fetal echocardiography, Reed KL, Semin US CT MR 1991; **12:** 2

fetal echocardiography, Huhta JC; Rotondo KM, Semin Roentgenol 1991; **26:** 5

fetal echocardiography, Benacerraf BR; Sanders SP, Radiol Clin North Am 1990; **28:** 131

fetal echocardiography—four years experience in Bristol, Cooke SG; Wilde P, Clin Radiol 1989; **40:** 568

fetal femur length to detect trisomy 21: a reappraisal, LaFollette L; Filly RA; Anderson R; et al, J Ultrasound Med 1989; **8:** 657

fetal gastrointestinal abnormalities, Hertzberg BS; Bowie JD, Radiol Clin North Am 1990; **28:** 101

fetal genitourinary tract, Patten RM; Mack LA; Wang KY; et al, Radiol Clin North Am 1990; **28:** 115

fetal growth retardation with abnormal blood flows and placental sonographic lesions, Jauniaux E; Campbell S, JCU 1990; **18:** 210

fetal hydrocele: a persistent finding?, Petrikovsky BM; Shmoys S, Pediatr Radiol 1990; **20:** 362

fetal intracranial anatomy in the first trimester of pregnancy: transvaginal ultrasonographic evaluation, Kushnir O; Shalev J; Bronstein M; et al, Neuroradiol 1989; **31:** 222

fetal limbs: normal and abnormal, Driscoll DA, Semin Roentgenol 1991; **26:** 12

fetal loss rate after ultrasonically documented cardiac activity between 6 and 14 weeks, menstrual age, Hill LM; Guzick D; Fries J; et al, JCU 1991; **19:** 221

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Hughes MD; Nyberg DA; Mack LA; Pretorius DH, Radiology 1989; **173:** 371

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Poznanski AK, Radiology 1990; **177:** 883

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome: reply, Nyberg DA; Hughes MD; Mack LA; Pretorius DH, Radiology 1990; **177:** 883

fetal skeletal anomalies, Romero R; Athanassiadis AP; Jeanty P, Radiol Clin North Am 1990; **28:** 75

fetal sonography: I. neural tube defects, Garel L; Boisvert J; Filiatrault D; et al, Pediatr Radiol 1989; **19:** 157

fetal well-being: nonimaging assessment and the biophysical profile, Jackson GM; Forouzan I; Cohen AW, Semin Roentgenol 1991; **26:** 21

fetuses aren't small children, Leopold GR, Clin Imag 1990; **14:** 271

first trimester bradycardia: a sign of impending fetal loss, Laboda LA; Estroff JA; Benacerraf BR, J Ultrasound Med 1989; **8:** 561

giant hemangioma of the thigh: prenatal sonographic diagnosis, Suma V; Marini A; Gamba PG; et al, JCU 1990; **18:** 421

hemodynamic changes in growth retarded fetuses during maternal oxygen administration as predictors of fetal outcome, Arduini D; Rizzo G; Romanini C; et al, J Ultrasound Med 1989; **8:** 193

hydrocephalus and porencephaly: prenatal diagnosis by ultrasonography and MR imaging, Tomá P; Lucignai G; Ravegnani M; et al, JCAT 1990; **14:** 843

hypoplasia of the middle phalanx of the fifth digit: a feature of the second trimester fetus with Down's syndrome, Benacerraf BR; Harlow BL; Frigoletto FD Jr, J Ultrasound Med 1990; **9:** 389

ideal fetal head circumference calculation, Kurtz AB; Kurtz RJ, J Ultrasound Med 1989; **8:** 25

idiopathic infantile arterial calcification: in utero diagnosis, Spear R; Mack LA; Benedetti TJ; et al, J Ultrasound Med 1990; **9:** 473

imaging of prenatally detected intra-abdominal extralobar pulmonary sequestration, Stern E; Brill PW; Winchester P; et al, Clin Imag 1990; **14:** 152

increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Estroff JA; Mandell J; Benacerraf BR, Radiology 1991; **181:** 135

individual growth curve standards for fetal head and abdominal circumferences: effect of the type of measurement on growth prediction, Stefos T; Deter RL, JCU 1989; **17:** 33

individual growth curve standards in twins: growth in the second trimester, Stefos T; Deter RL; Hill RM; et al, JCU 1989; **17:** 641

infection in utero: US findings in 19 cases, Drose JA; Dennis MA; Thickman D, Radiology 1991; **178:** 369

influence of fetal breathing and movements on variability of umbilical Doppler indices using different numbers of waveforms, Spencer JAD; Price J; Lee A, J Ultrasound Med 1991; **10:** 37

influence of the interval between time points on individual fetal growth curve standards derived from Rossavik models and two ultrasound scans before 26 weeks, menstrual age, Simon NV; Deter RL; Levisky JS; et al, JCU 1989; **17:** 245

interventional procedures in obstetrics, Copel JA; Grannum PA; Hobbins JC, Semin Roentgenol 1991; **26:** 87

intraluminal colonic calcifications associated with anorectal atresia: prenatal sonographic detection, Grant T; Newman M; Gould R; et al, J Ultrasound Med 1990; **9:** 411

intrauterine fetal growth in discordant twin gestations, Rodis JF; Vintzileos AM; Campbell WA; et al, J Ultrasound Med 1990; **9:** 443

intrauterine growth of the fetus at term: a prospective and longitudinal study with real-time ultrasound, Crang-Svalenius E; Jörgensen C; Mariscal U-B, J Ultrasound Med 1990; **9:** 35

intrauterine growth retardation: diagnosis based on multiple parameters—a prospective study, Benson CB; Belville JS; Lentini JF; Saltzman DH; Doubilet PM, Radiology 1990; **177:** 499

intrauterine growth retardation mimicking skeletal dysplasia on antenatal sonography, Pattarelli P; Pretorius DH; Edwards DK, J Ultrasound Med 1990; **9:** 737

in utero analysis of fetal growth: a sonographic weight standard, Hadlock FP; Harrist RB; Martinez-Poyer J, Radiology 1991; **181:** 129

in utero exposure to diagnostic US, Kankam MK; Jeng LL; Moore RM Jr, Radiology 1989; **170:** 572

in utero exposure to diagnostic US: reply, Dyke C; Lyons EA; Cheang M, Radiology 1989; **170:** 573

in utero growth of the large-for-menstrual-age fetus, Miller JM Jr; Kissling GE; Brown HL; et al, JCU 1989; **17:** 15

in utero sonographic appearance of the atrial septum primum and septum secundum, Kachalia P; Bowie JD; Adams DB; et al, J Ultrasound Med 1991; **10:** 423

in utero sonographic description of a fetal liver adenoma, Marks F; Thomas P; Lustig I; et al, J Ultrasound Med 1990; **9:** 119

invasive fetal procedures, Grannum PA; Copel JA, Radiol Clin North Am 1990; **28:** 217

legal aspects of obstetric sonography, Macones AJ; Lev-Toaff AS; Macones GA; et al, AJR 1989; **153:** 1251

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; **172:** 1

lung sequestration: duplex Doppler diagnosis at 19 weeks gestation, Sauerbrei E, J Ultrasound Med 1991; **10:** 101

maternal-fetal Doppler sonography: potential or reality, Grant EG, Semin Roentgenol 1991; **26:** 75

mathematical modeling of fetal limb growth, Merz E; Grüssner A; Kern F, JCU 1989; **17:** 179

mediastinal bronchogenic cyst: prenatal sonographic diagnosis, Young G; L'Heureux PR; Krueckeberg ST; et al, AJR 1989; **152:** 125

mild fetal renal pelviectasis: differentiation from hilar vascularity using color Doppler sonography, Betz BW; Hertzberg BS; Carroll BA; et al, J Ultrasound Med 1991; **10:** 243

mild lateral cerebral ventricular dilatation in utero: clinical significance and prognosis, Goldstein RB; La Pidus AS; Filly RA; Cardoza J, Radiology 1990; **176:** 237

natural history of fetal ventriculomegaly, (ab), Hudgins RJ; Edwards MSB; Goldstein R; et al, Radiology 1989; **172:** 587

neonatal hydronephrosis due to primary vesicoureteral reflux: trends in diagnosis and treatment, Paltiel HJ; Lebowitz RL, Radiology 1989; **170:** 787

nonuniformity of fetal umbilical systolic/diastolic ratios as determined with duplex Doppler sonography, Kay HH; Carroll BA; Bowie JD; et al, J Ultrasound Med 1989; **8:** 417

normal sonographic appearance of a thanatophoric dwarf variant fetus at 13 weeks gestation, Macken MB; Grantmyre EB; Rimoin DL; et al, AJR 1991; **156:** 149

normal sonographic appearance of the fetal neck late in the first trimester: the pseudomembrane, Hertzberg BS; Bowie JD; Carroll BS; Killam AP; Ruiz P, Radiology 1989; **171:** 427

normal ultrasonic fetal growth ratios evaluated in cases of fetal disproportion, Crang-Svalenius E; Jörgensen C, J Ultrasound Med 1991; **10:** 89

obstructed uterovaginal anomalies: demonstration with sonography: part I. neonates and infants, Blask ARN; Sanders RC; Gearhart JP, Radiology 1991; **179:** 79

oesophageal atresia and other disorders with a similar antenatal presentation, Havard AC; MacDonald LM, Br J Radiol 1991; **64:** 557

ossification of the fetal spine, Budorick NE; Pretorius DH; Grafe MR; Lou KV, Radiology 1991; **181:** 561

osteogenesis inperfecta type II: prenatal sonographic diagnosis, Munoz C; Filly RA; Golbus MS, Radiology 1990; **174:** 181

pediatric case of the day, Hilpert PL; Goldberg BB; Kurtz AB, Radiographics 1990; **10:** 950

Pena–Shokeir type I syndrome: in utero sonographic appearance, Genkins SM; Hertzberg BS; Bowie JD; et al, JCU 1989; **17:** 56

peripheral hypoechoic rim of the fetal heart, Brown DL; Cartier MS; Emerson DS; et al, J Ultrasound Med 1989; **8:** 603

persistent right umbilical vein: an ominous prenatal finding?, Jeanty P, Radiology 1990; **177:** 735

predicting the birth characteristics of normal fetuses 14 weeks before delivery, Deter RL; Hill RM; Tennyson LM, JCU 1989; **17:** 89

prediction of normal fetal growth by the Rossavik growth model using two scans before 27 weeks, menstrual age, Simon NV; Deter RL; Shearer DM; et al, JCU 1989; **17:** 237

prenatal cerebral Doppler ultrasonography and neonatal neurologic outcome, Rizzo G; Arduini D; Luciano R; et al, J Ultrasound Med 1989; **8:** 237

prenatal diagnosis by ultrasound in pregnancies at risk for autosomal recessive polycystic kidney disease, Reuss A; Wladimiroff JW; Stewart PA; et al, Ultrasound Med Biol 1990; **16:** 355

prenatal diagnosis, management and outcome of fetal uretero-pelvic junction obstruction, Bosman G; Reuss A; Nijman JM; et al, Ultrasound Med Biol 1991; **17:** 117

prenatal diagnosis of agenesis of the corpus callosum using endovaginal ultrasound, Hilpert PL; Kurtz AB, J Ultrasound Med 1990; **9:** 363

prenatal diagnosis of a posterior fossa cyst, Raman S; Rachagan SP; Lim CT, JCU 1991; **19:** 434

prenatal diagnosis of cysts of the fetal choroid plexus, (ab), Clark SL; DeVore GR; Sabey PL, Radiology 1989; **171:** 883

prenatal diagnosis of hydrosyringomyelia by high-resolution ultrasonography, Tomà P; Dell'Acqua A; Cordone M; et al, JCU 1991; **19:** 51

prenatal diagnosis of schizencephaly, Komarniski CA; Cyr DR; Mack LA; et al, J Ultrasound Med 1990; **9:** 305

prenatal diagnosis of sirenomelia, Sirtori M; Ghidini A; Romero R; et al, J Ultrasound Med 1989; **8:** 83

prenatal evolution of a nonfunctioning kidney in the setting of obstructive hydronephrosis, Benacerraf BR; Peters CA; Mandell J, JCU 1991; **19:** 446

prenatally diagnosed gastroschisis in monozygotic twins, Gorczyca DP; Lindfors KK; Giles KA; et al, JCU 1989; **17:** 216

prenatal sonographic appearance and subsequent management of a fetus with oromandibular limb hypogenesis syndrome associated with pulmonary hypoplasia, Shechter SA; Sherer DM; Geilfuss CJ; et al, JCU 1990; **18:** 661

prenatal sonographic diagnosis and subsequent management of fetal adnexal torsion, Sherer DM; Shah YG; Eggers PC; et al, J Ultrasound Med 1990; **9:** 161

prenatal sonographic diagnosis of a vesico-allantoic abdominal wall defect, Donnenfeld AE; Mennuti MT; Templeton JM; et al, J Ultrasound Med 1989; **8:** 43

prenatal sonographic diagnosis of bronchopulmonary foregut malformation, Siffring PA; Forrest TS; Hill WC; et al, J Ultrasound Med 1989; **8:** 277

prenatal sonographic diagnosis of harlequin ichthyosis, Mihalko M; Lindfors KK; Grix AW; et al, AJR 1989; **153:** 827

prenatal sonographic diagnosis of unilateral fetal renal agenesis, Sherer DM; Thompson HO; Armstrong B; et al, JCU 1990; **18:** 648

prenatal sonographic evaluation of short-limbed dwarfism: an algorithmic approach, Spirt BA; Oliphant M; Gottlieb RH; Gordon LP, Radiographics 1990; **10:** 217

prenatal sonographic features of Noonan's syndrome, Benacerraf BR; Greene MF; Holmes LB, J Ultrasound Med 1989; **8:** 59

prenatal sonographic findings associated with a fetal horseshoe kidney, Sherer DM; Cullen JBH; Thompson HO; et al, J Ultrasound Med 1990; **9:** 477

prenatal sonographic findings in a fetus with Proteus syndrome, Richards DS; Williams CA; Cruz AC; et al, J Ultrasound Med 1991; **10:** 47

prenatal sonographic findings in bladder exstrophy, Barth RA; Filly RA; Sondheimer FK, J Ultrasound Med 1990; **9:** 359

prenatal ultrasonic detection of anomalies with a lethal or disastrous outcome, Sanders RC, Radiol Clin North Am 1990; **28:** 163

prenatal ultrasonic diagnosis of mandibulofacial dysostosis (Treacher Collins syndrome), Meizner I; Carmi R; Katz M, JCU 1991; **19:** 124

prenatal ultrasonographic appearance of "agenesis" of the ductus arteriosus and pulmonic valve hypoplasia: a case report and review of the embryogenesis, Persutte WH; Yeasting RA; Lenke RR; et al, J Ultrasound Med 1990; **9:** 541

prenatal ultrasound diagnosis of Beckwith–Wiedemann syndrome, Shah YG; Metlay L, JCU 1990; **18:** 597

prenatal ultrasound diagnosis of multiple cardiac rhabdomyomas, Deeg KH; Voigt HJ; Hofbeck M; et al, Pediatr Radiol 1990; **20:** 291

quantitative tissue motion analysis of digitized M-mode images: gestational differences of fetal lung, Adler RS; Rubin JM; Bland PH; et al, Ultrasound Med Biol 1990; **16:** 561

recommendations for obstetric sonography in the evaluation of the fetal cranium, Nyberg DA, Radiology 1989; **172:** 309

regression of nuchal cystic hygroma in utero, Macken MB; Grantmyre EB; Vincer MJ, J Ultrasound Med 1989; **8:** 101

reliability of sonographic measurement of the fetal foot, Shalev E; Weiner E; Zuckerman H; et al, J Ultrasound Med 1989; **8:** 259

responsibilities associated with obstetric sonography, Leopold GR, AJR 1989; **153:** 1255

role of ultrasound in the clinical practice of obstetrics, Cohen AW; Lindenbaum CR; Jackson GM; et al, Semin Roentgenol 1990; **25:** 287

role of umbilical Doppler velocimetry in the biophysical assessment of the growth-retarded fetus: answers from neonatal morbidity and mortality, Ferrazzi E; Vegni C; Bellotti M; et al, J Ultrasound Med 1991; **10:** 309

sagittal sign: an early second trimester sonographic indicator of fetal gender, Emerson DS; Felker RE; Brown DL, J Ultrasound Med 1989; **8:** 293

second trimester hyperechogenicity in the lower abdomen of two fetuses with trisomy 21: is there a correlation?, Persutte WH, JCU 1990; **18:** 425

second trimester sonographic diagnosis of fetal congenital diaphragmatic hernia, with spontaneous resolution during the third trimester, resulting in a normal infant at delivery, Sherer DM; Woods JR Jr, JCU 1991; **19:** 298

seeing with sound, Leopold GR, Radiology 1990; **175:** 23

semilobar holoprosencephaly with associated Arnold–Chiari variant, Britton CA, JCU 1989; **17:** 374

short-limb skeletal dysplasias: evaluation of the fetal spine with sonography and radiography, Rouse GA; Filly RA; Toomey F; Grube GL, Radiology 1990; **174:** 177

simultaneous use of Doppler ultrasound and electromagnetic flow probes in fetal flow assessment, Nimrod C; Clapp J III; Larrow R; et al, J Ultrasound Med 1989; **8:** 201

single umbilical artery: prenatal detection of concurrent anomalies, Nyberg DA; Mahony BS; Luthy D; et al, J Ultrasound Med 1991; **10:** 247

sirenomelia: prenatal sonographic features, Mok PM, Australas Radiol 1990; **34:** 68

snowflake sign: a sonographic marker for prenatal detection of fetal skin denudation, Meizner I; Carmi R, J Ultrasound Med 1990; **9:** 607

some red herrings in obstetric ultrasound, Furness ME, Australas Radiol 1989; **33:** 69

sonoembryology: an organ-oriented approach using a high-frequency vaginal probe, Timor-Tritsch IE; Peisner DB; Raju S, JCU 1990; **18:** 286

sonographically detected fetal choroid plexus cysts: frequency and association with aneuploidy, Chinn DH; Miller EI; Worthy LM; et al, J Ultrasound Med 1991; **10:** 255

sonographic appearance of fetal extracranial hematoma, Harper AK; Clark JA; Koontz WL; et al, J Ultrasound Med 1989; **8:** 693

sonographic appearance of occipital fetal hair, Petrikovsky BM; Vintzileos AM; Rodis JF, JCU 1989; **17:** 425

sonographic detection of hydrolethalus syndrome, Siffring PA; Forrest TS; Frick MP, JCU 1991; **19:** 43

sonographic detection of the fetal pancreas, Hill LM; Peterson C; Rivello D; et al, JCU 1989; **17:** 475

sonographic diagnosis of abnormal fetal genitalia, Benacerraf BR; Saltzman DH; Mandell J, J Ultrasound Med 1989; **8:** 613

sonographic diagnosis of fetal acrania, Ekici E; Gülmezoglu AM, JCU 1991; **19:** 363

sonographic diagnosis of omphalocele during 10th week of gestation, Brown DL; Emerson DS; Shulman LP; et al, AJR 1989; **153:** 825

sonographic diagnosis of the amniotic band syndrome, Burton DJ; Filly RA, AJR 1991; **156:** 555

sonographic diagnosis of unilateral fetal renal duplication with associated ectopic ureterocele, Sherer DM; Menashe M; Lebensart P; et al, JCU 1989; **17:** 371

sonographic diagnosis of urachal cysts in utero, Hill LM; Kislak S; Belfar HL, JCU 1990; **18:** 434

sonographic estimation of fetal age and weight, Hadlock FP, Radiol Clin North Am 1990; **28:** 39

sonographic evaluation of the normal developmental anatomy of fetal cerebral ventricles. I. the frontal horn, (ab), Goldstein I; Reece EA; Pilu GL; et al, Radiology 1989; **171:** 588

sonographic fetal growth standards: are current data applicable to a racially mixed population?, Hadlock FP; Harrist RB; Shah YP; et al, J Ultrasound Med 1990; **9:** 157

sonographic findings in a twin with congenital fetal volvulus, Alvarez M; Lasker MR; Friedman F Jr; et al, JCU 1991; **19:** 98

sonographic first-trimester diagnosis of umbilical cord cyst, Rempen A, JCU 1989; **17:** 53

sonographic imaging of the fetal azygous vein: normal and pathologic appearance, Belfar HL; Hill LM; Peterson CS; et al, J Ultrasound Med 1990; **9:** 569

sonographic in utero diagnosis of Klippel-Trenaunay-Weber syndrome, Meholic AJ; Freimanis AK; Stucka J; et al, J Ultrasound Med 1991; **10:** 111

sonographic measurement of the fetal femur: factors affecting accuracy, Lessoway VA; Schulzer M; Wittmann BK, JCU 1990; **18:** 471

sonographic recognition of major malformations and aberrant fetal growth in trisomic fetuses, Dicke JM; Crane JP, J Ultrasound Med 1991; **10:** 433

sonographic sign suggesting the prenatal diagnosis of coarctation of the aorta, Benacerraf BR; Saltzman DH; Sanders SP, J Ultrasound Med 1989; **8:** 65

sonography of anencephaly: pitfalls in early diagnosis, Goldstein RB; Filly RA; Callen PW, JCU 1989; **17:** 397

sonography of multiple gestations, Benson CB; Doubilet PM, Radiol Clin North Am 1990; **28:** 149

sonography of normal fetal bowel, Parulekar SG, J Ultrasound Med 1991; **10:** 211

sonography of the fetal heart: findings on the four-chamber view, McGahan JP, AJR 1991; **156:** 547

spontaneous resolution of a cystic neck mass in a fetus with normal karyotype, Distell BM; Hertzberg BS; Bowie JD, AJR 1989; **153:** 380

structural genitourinary defects detected in utero, Mandell J; Blyth BR; Peters CA; Retik AB; Estroff JA; Benacerraf BR, Radiology 1991; **178:** 193

test of I^2T as a dose parameter for fetal weight reduction from exposure to ultrasound, Child SZ; Hoffman D; Strassner D; et al, Ultrasound Med Biol 1989; **15:** 39

transperineal US: alternative technique to improve visualization of the presenting fetal part, Weber TM; Hertzberg BS; Bowie JD, Radiology 1991; **179:** 747

transvaginal Doppler sonographic diagnosis of an acardiac twin at 12 weeks gestation, Langlotz H; Sauerbrei E; Murray S, J Ultrasound Med 1991; **10:** 175

transvaginal sonographic diagnosis of congenital anomalies between 9 weeks and 16 weeks, menstrual age, Rottem S; Bronshtein M, JCU 1990; **18:** 307

transvaginal sonographic imaging of the low fetal head in the second trimester, Benacerraf BR; Estroff JA, J Ultrasound Med 1989; **8:** 325

transvaginal sonographic measurement of fetal kidneys in the first trimester of pregnancy, Bronshtein M; Kushnir O; Ben-Rafael Z; et al, JCU 1990; **18:** 299

transvaginal sonography in the abnormal first trimester, Mendelson EB; Bohm-Velez M; Saker M, Semin US CT MR 1990; **11:** 34

transvaginal sonography in the first trimester: embryology, anatomy, and hCG correlation, Bree RL; Marn CS, Semin US CT MR 1990; **11:** 12

transvaginal ultrasound diagnosis of fetal clubfeet at 13 weeks, menstrual age, Bronshtein M; Zimmer EZ, JCU 1989; **17:** 518

transvaginal ultrasound embryography, Neiman HL, Semin US CT MR 1990; **11:** 22

twin embolization syndrome: prenatal sonographic detection and significance, Patten RM; Mack LA; Nyberg DA; Filly RA, Radiology 1989; **173:** 685

twin-twin transfusion syndrome: sonographic findings, Brown DL; Benson CB; Driscoll SG; Doubilet PM, Radiology 1989; **170:** 61

ultrasonic detection of subdiaphragmatic pulmonary sequestration in utero and postnatal diagnosis by fine-needle aspiration biopsy, Davies RP; Ford WDA; LeQuesne GW; et al, J Ultrasound Med 1989; **8:** 47

ultrasonographic estimation of fetal body composition for children of diabetic mothers, Berstein IM; Catalano PM, Invest Radiol 1991; **26:** 722

ultrasonography of fetal brain: some remarks with respect to the interpretation of the "cavum septi pellucidi", Thors F; Hoogland HJ, JCU 1990; **18:** 411

ultrasonography: RSNA '88 meeting notes, Merritt CRB; Carroll BA; Lawson TL; Mack LA, Radiology 1989; **170:** 915

ultrasound attenuation coefficient in the fetal liver as a function of gestational age, Carson PL; Meyer CR; Chiang EH; et al, Ultrasound Med Biol 1990; **16:** 399

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 1140

ultrasound demonstration of prenatal renal vein thrombosis, Sanders LD; Jequier S, Pediatr Radiol 1989; **19:** 133

ultrasound findings in pregnancies complicated by fetal triploidy, Pircon RA; Porto M; Towers CV; et al, J Ultrasound Med 1989; **8:** 507

ultrasound in the first trimester of pregnancy, Levi CS; Lyons EA; Lindsay DJ, Radiol Clin North Am 1990; **28:** 19

ultrasound of the fetal thymus, Felker RE; Cartier MS; Emerson DS; et al, J Ultrasound Med 1989; **8:** 669

ultrasound screening for congenital cardiac malformations in the fetus: its importance for peri- and postnatal care, Oberhaensli I; Extermann P; Friedli B; et al, Pediatr Radiol 1989; **19:** 94

unilateral hydrocephalus: prenatal sonographic diagnosis, Patten RM; Mack LA; Finberg HJ, AJR 1991; **156:** 359

update on the safety of ultrasound in obstetrics, Ziskin MC, Semin Roentgenol 1990; **25:** 294

usefulness of a short femur in the in utero detection of skeletal dysplasias, Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB, Radiology 1990; **177:** 197

use of endovaginal ultrasound to optimize visualization of the distal fetal spine in breech presentations, Weber TM; Hertzberg BS; Bowie JD, J Ultrasound Med 1990; **9:** 519

use of lung-thorax transverse area ratio in the antenatal evaluation of lung hypoplasia in congenital diaphragmatic hernia, Hasegawa T; Kamata S; Imura K; et al, JCU 1990; **18:** 705

use of routine prenatal ultrasound by private practice obstetricians in Iowa, Ewigman B; Cornelison S; Horman D; et al, J Ultrasound Med 1991; **10:** 427

use of sonography in the evaluation of the high-risk pregnancy, Manning FA, Radiol Clin North Am 1990; **28:** 205

value of sonography in acute encephalomalacia, Hernanz-Schulman M, Radiology 1991; **180:** 880

value of sonography in acute encephalomalacia: reply, Caballero P, Radiology 1991; **180:** 880

wrongful life and wrongful birth: implications for diagnostic sonography, J Ultrasound Med J Ultrasound Med 1989; **8:** 597

Fibrinogen

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Fibrinolysis

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Fibroma

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aggressive fibromatosis of the tongue: MR demonstration, Chen PC; Ball WS Jr; Towbin RB, JCAT 1989; **13:** 343

aggressive infantile fibromatosis: pulmonary metastases documented by plain film and computed tomography, Shankwiler RA; Athey PA; Lamki N, Clin Imag 1989; **13:** 127

case report 575, Present DA; Abdelwahab IF; Zwass A; et al, Skeletal Radiol 1989; **18:** 557

CT of infantile myofibromatosis of the orbit with intracranial involvement: a case report, Stautz CC, AJNR 1991; **12:** 184

fibromatoses: from postsurgical surveillance to combined surgery and radiation therapy, Miralbell R; Suit HD; Mankin HJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 535

fibromatosis of the brachial plexus and shoulder girdle, Chui M, J Canad Assoc Radiol 1989; **40:** 28

intra-abdominal fibromatosis: a pathologic analysis of 130 tumors with comparison of clinical subgroups, (ab), Burke AP; Sobin LH; Shekitka KM; et al, Radiology 1990; **177:** 290

Meigs syndrome and ovarian fibroma: CT findings, Bierman SM; Reuter KL; Hunter RE, JCAT 1990; **14:** 833

radiotherapy in the management of aggressive fibromatosis, Atahan IL; Akyol F; Zorlu F; et al, Br J Radiol 1989; **62:** 854

sonographic features of fibromatosis of the breast, Leibman AJ; Kossoff MB, J Ultrasound Med 1991; **10:** 43

ultrasound case of the day: annual meeting, 1988, Segal S; Feld R; Kurtz AB, Radiographics 1989; **9:** 959

uterine fibromyolipoma: uncommon imaging features, Soyer P; Harry G; Cazier A; et al, Eur J Radiol 1991; **13:** 67

Fibrosarcoma

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Fibrosis, cystic

bronchial arteriography and embolotherapy for hemoptysis in patients with cystic fibrosis, Tonkin ILD; Hanissian AS; Boulden TF; et al, Cardiovasc Intervent Radiol 1991; **14:** 241

bronchial artery embolization for severe hemoptysis in cystic fibrosis, (ab), Sweezey NB; Fellows KE, Radiology 1991; **178:** 291

bronchial artery embolization to control hemoptysis in cystic fibrosis, Cohen AM; Doershuk CF; Stern RC, Radiology 1990; **175:** 401

chest radiograph scoring system in adult cystic fibrosis: correlation with pulmonary function, O'Laoide RM; Fahy J; Coffey M; et al, Clin Radiol 1991; **43:** 308

CT monitoring of therapy for meconium ileus, Moody AR; Haddock JA; Given-Wilson R; et al, JCAT 1990; **14:** 1010

cystic fibrosis: MR imaging of the pancreas, Tjon A Tham RTO; Heyerman HGM; Falke THM; Zwinderman AH; Bloem JL; Bakker W; Lamers CBHW, Radiology 1991; **179:** 183

cystic fibrosis: scoring system with thin-section CT, Bhalla M; Turcios N; Aponte V; Jenkins M; Leitman BS; McCauley DI; Naidich DP, Radiology 1991; **179:** 783

high resolution computed tomography in adult cystic fibrosis patients with mild lung disease, Santis G; Hodson ME; Strickland B, Clin Radiol 1991; **44:** 20

MR imaging of pancreas in cystic fibrosis, Murayama S; Robinson AE; Mulvihill DM; et al, Pediatr Radiol 1990; **20:** 536

mucocele of paranasal sinuses in a young infant with cystic fibrosis, Schulte T; Buhr W; Brassel F; et al, Pediatr Radiol 1990; **20:** 600

pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243

pneumothorax in cystic fibrosis: a 26-year experience, (ab), Spector ML; Stern RC, Radiology 1989; **172:** 883

portal venous blood flow in cystic fibrosis: assessment by duplex Doppler sonography, Vergesslich KA; Götz M; Mostbeck GH; et al, Pediatr Radiol 1989; **19:** 371

role of magnetic resonance imaging in cystic fibrosis, Kinsella D; Hamilton A; Goddard P; et al, Clin Radiol 1991; **44:** 23

Fibula

stress fracture of the fibula in the first decade of life: report of eight cases, Kozlowski K; Azouz M; Hoff D, Pediatr Radiol 1991; **21:** 381

Film processing

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Films and screens

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Filters, radiographic

See also Venae cavae, filters

additive filtering, Marugg S; Streule K; Hedtler W; et al, Br J Radiol 1990; **63:** 800

CNR enhancement in the presence of multiple interfering processes using linear filters, Brown DG; Lee JN; Blinder RA; et al, Magn Res Med 1990; **14:** 79

evaluation of the use of a niobium filter for patient dose reduction in chest radiography, Thierens H; Kunnen M; Van der Plaetsen A; et al, Br J Radiol 1991; **64:** 334

modified iterative model based on data extrapolation method to reduce Gibbs ringing, Amartur S; Haacke EM, JMRI 1991; **1:** 307

niobium filters for dose reduction in pediatric radiology, Jangland L; Axelsson B, Acta Radiol 1990; **31:** 540

open-floored concave compensating filter for angiography, Johnston JM; Carrasco CH; Richli WR; Marsh LM, Radiology 1991; **178:** 578

quality assessment of the effects of a hydrogenous filter on a p(66) Be(40) neutron beam, Slabbert JP; Binns PJ; Jones HL; et al, Br J Radiol 1989; **62:** 989

three-dimensional compensating filters using magnetic resonance images, Kennedy WL; Boles M; Lepkowski H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1525

Fingers and toes
See also Foot; Hand
destructive joint disease following replantation of digits of the hand, Brunet WG; Munro TG, J Canad Assoc Radiol 1990; **41:** 210
high-resolution magnetic resonance imaging of the interphalangeal joints of the hand, Fry ME; Jacoby RK; Hutton CW; et al, Skeletal Radiol 1991; **20:** 273
idiopathic punctate necrosis of the phalanges of the feet, Keats TE; Johnson RR; Fechner RE, Skeletal Radiol 1989; **18:** 25
metrical variation in the thumb, index, and middle finger among four samples of both sexes, Smith SL, Skeletal Radiol 1991; **20:** 353
MR imaging of the finger: correlation with normal anatomic sections, Erickson SJ; Kneeland JB; Middleton WD; et al, AJR 1989; **152:** 1013
normal values for metacarpal and phalangeal lengths in Nigerian children, Odita JC; Okolo AA; Ukoli F, Skeletal Radiol 1991; **20:** 441
tophaceous deposition in the finger pads without gouty arthritis, (ab), Schmerling RH; Stern SH; Gravallese EM; et al, Radiology 1989; **170:** 903

Fingers and toes, abnormalities
case report 636, Sener RN, Skeletal Radiol 1990; **19:** 542
cystic rheumatoid arthritis: description of a nonerosive form, Gubler FM; Maas M; Dijkstra PF; de Jongh HR, Radiology 1990; **177:** 829
familial subluxation of the metacarpophalangeal and proximal interphalangeal joints of the little finger in two consecutive siblings: the "serpentine little finger", Jenyo MS; Nzeh DA, Pediatr Radiol 1990; **20:** 610
hypoplasia of the middle phalanx of the fifth digit: a feature of the second trimester fetus with Down's syndrome, Goto M; Kindynis P; Resnick D; Sartoris DJ, Radiology 1989; **172:** 841
polytopic dystelephalangy of the fingers, Sugiura Y, Pediatr Radiol 1989; **19:** 493
simple digital clubbing: characteristic bone scan appearance, Frates MC; Oates E, Clin Nucl Med 1990; **15:** 511

Fingers and toes, ischemia
blue toe syndrome: treatment with percutaneous atherectomy, Dolmatch BL; Kholl KS; Moskowitz LB; Dake MD; van Breda A; Kaplan JO; Katzen BT, Radiology 1989; **173:** 799

Fingers and toes, neoplasms
case report 525, Statz EM; Pochebit SM; Cooper A; et al, Skeletal Radiol 1989; **18:** 299
case report 640, Bonfiglio M; Landas S, Skeletal Radiol 1990; **19:** 599
case report 658, Ostlere SJ; Gold RH; Mirra JM; et al, Skeletal Radiol 1991; **20:** 145
parosteal lipoma of the finger: preoperative evaluation with computed tomography, Brooks ML; Mayer DP; Grannick MS; et al, Comput Med Imag Graph 1989; **13:** 481
phalangeal osteoid osteoma, Meng Q; Watt I, Br J Radiol 1989; **62:** 321
synovial sarcoma seen on bone scan, Rice S; Stewart CA, Clin Nucl Med 1990; **15:** 445

Finite element analysis
effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

Fistula, anal
double anal canal: complication of rectal fecalith, Javors BR; Gould ES, Radiology 1991; **179:** 687

Fistula, aortobronchopulmonary
aortobronchial fistula as a complication of surgery for correction of congenital aortic anomalies, Garniek A; Morag B; Schmahmann S; Rubinstein ZJ, Radiology 1990; **175:** 347

Fistula, aortocaval
case report: ultrasonic and comparative angiographic appearances of a spontaneous aorto-caval fistula, Cook AM; Dyet JF; Mann SL, Clin Radiol 1990; **41:** 286
traumatic aorto-caval fistula: ultrasound diagnosis, Denath FM, JCU 1991; **19:** 370

Fistula, aortoenteric
aortoenteric fistula and perigraft infection: evaluation with CT, Low RN; Wall SD; Jeffrey RB Jr; Sollitto RA; Reilly LM; Tierney LM Jr, Radiology 1990; **175:** 157
aortoenteric fistula manifested as an intramural duodenal hematoma, Zeppa MA; Forrest JV, AJR 1991; **157:** 47
computed tomography diagnosis of primary aorto-enteric fistula, Gutman H; Russo I; Neuman-Levin M; et al, Clin Imag 1989; **13:** 215

Fistula, aortoesophageal
primary aortoesophageal fistula after chronic aortic dissection, Rose BS; Gordon DM; Geihsler JD, AJR 1990; **155:** 989

Fistula, arterioenteric
arterioenteric fistulae: diagnosis and treatment by angiography, Hirakata R; Hasuo K; Yasumori K; et al, Clin Radiol 1991; **43:** 328

Fistula, arteriovenous
See also Arteriovenous malformations
angiography in the investigation of spinal dural arteriovenous fistula: a protocol with application of the venous phase, Willinsky RA; Lasjaunias P; Terbrugge K; et al, Neuroradiol 1990; **32:** 114
antenatal diagnosis of pulmonary arteriovenous fistula using real-time ultrasound and color Doppler flow imaging, Kalugdan RG; Satoh S; Koyanagi T; et al, JCU 1989; **17:** 607
aorto-left renal vein fistula: diagnosis by duplex sonography, Mansour MA; Russ PD; Subber SW; et al, AJR 1989; **152:** 1107
arteriovenous fistulas complicating biopsy of renal allografts: treatment of bleeding with superselective embolization, deSouza NM; Reidy JF; Koffman CG, AJR 1991; **156:** 507
arteriovenous fistulas of the cervicomedullary junction as a cause of myelopathy: radiographic findings in two cases, Gaensler EHL; Jackson DE Jr; Halbach VV, AJNR 1990; **11:** 518
balloon embolization of a congenital arteriovenous fistula between the internal mammary artery and a portal vein radicle, Cobby MJD; Culling W; Jordan SC; et al, Br J Radiol 1989; **62:** 371
chronic arteriovenous fistulas masquerading as arteriovenous malformations: diagnostic considerations and therapeutic implications, Lawdahl RB; Routh WD; Vitek JJ; McDowell HA; Gross GM; Keller FS, Radiology 1989; **170:** 1011
color flow and image-directed Doppler ultrasound evaluation of iatrogenic arteriovenous fistulas in the groin, Roubidoux MA; Hertzberg BS; Carroll BA; et al, JCU 1990; **18:** 463
CT diagnosis of superior mesenteric arteriovenous fistula, Radin DR; Allgood MR; Johnson MB; et al, JCAT 1989; **13:** 721
diagnosis of femoral arteriovenous fistula by MR imaging with velocity mapping, Mohiaddin RH; Lowell DG; Underwood RS; et al, JCAT 1991; **15:** 697
diffuse pulmonary arteriovenous fistula shown by contrast echocardiography and pulmonary angiography, Murakami T; Nakanishi M; Konishi T; et al, Pediatr Radiol 1991; **21:** 128
directional atherectomy in the treatment of stenotic dialysis access fistulas, Zemel G; Katzen BT; Dake MD; Benenati JF; Lempert TE; Moskowitz L, JVIR 1990; **1:** 35
Doppler diagnosis of subclavian steal due to arteriovenous hemodialysis fistula in the ipsilateral arm, Kotval PS; Shah PM; Berman H, J Ultrasound Med 1989; **8:** 697
dural arteriovenous fistulas: evaluation with MR imaging, De Marco JK; Dillon WP; Halbach VV; Tsuruda JS, Radiology 1990; **175:** 193
dural arteriovenous fistulas involving the inferior petrosal sinus: angiographic findings in six patients, Barnwell SL; Halbach VV; Dowd CF; et al, AJNR 1990; **11:** 511
endovascular treatment of scalp arteriovenous fistulas associated with a large varix, Barnwell SL; Halbach VV; Dowd CF; Higashida RT; Hieshima GB, Radiology 1989; **173:** 533
ethanol embolization of arteriovenous fistulas: a primary model of therapy, Yakes WF; Luethke JM; Merland JJ; Rak KM; Slater DD; Hollis HW; Parker SH; Casasco A; Aymard A; Hodes J; Hopper KD; Stavros AT; Carter TE, JVIR 1990; **1:** 89
ethanol embolization of vascular malformations, Yakes WF; Luethke JM; Parker SH; Stavros AT; Rak KM; Hopper KD; Dreisbach JN; Griffin DJ; Seibert CE; Carter TE; Guilliland JD, Radiographics 1990; **10:** 787
evaluation of arteriovenous fistulas and pseudoaneurysms in renal allografts following percutaneous needle biopsy: color-coded Doppler sonography versus duplex Doppler sonography, Hübsch PJS; Mostbeck G; Barton PP; et al, J Ultrasound Med 1990; **9:** 95
evaluation of traumatic groin arteriovenous fistulas with duplex Doppler sonography, Helvie MA; Rubin J, J Ultrasound Med 1989; **8:** 21
gadolinium-DTPA enhanced MR imaging of spinal dural arteriovenous fistulas, Terwey B; Becker H; Thron AK; et al, JCAT 1989; **13:** 30
iatrogenic femoral arteriovenous fistula, Marsan RE; McDonald V; Ramamurthy S, Cardiovasc Intervent Radiol 1990; **13:** 314
interventional neurovascular treatment of traumatic carotid and vertebral artery lesions: results in 234 cases, Higashida RT; Halbach VV; Tsai FY; et al, AJR 1989; **153:** 577
local thrombolysis and thromboaspiration in the treatment of acutely thrombosed arteriovenous hemodialysis fistulas, Poulain F; Raynaud A; Bourquelot P; et al, Cardiovasc Intervent Radiol 1991; **14:** 98
MR imaging of dural AV fistulas at the cavernous sinus, Komiyama M; Fu Y; Yagura H; et al, JCAT 1990; **14:** 397
multiple dural arteriovenous fistulas of the cranium and spine, Barnwell SL; Halbach VV; Dowd CF; et al, AJNR 1991; **12:** 441
myelopathy due to intracranial dural arteriovenous fistulas draining intrathecally into spinal medullary veins: report of three cases, (ab), Wrobel CJ; Oldfield EH; Di Chiro G; et al, Radiology 1989; **172:** 589
percutaneous balloon occlusion of surgical arteriovenous fistulae following venous thrombectomy, Endrys J; Eklöf B; Neglén P; et al, Cardiovasc Intervent Radiol 1989; **12:** 226
percutaneous obliteration of a postoperatively persistent vertebral arteriovenous fistula, Russell EJ; Goldblatt D; Levy JM; et al, AJNR 1989; **10:** 196
percutaneous reposition of dislodged coils in the treatment of a vertebral arteriovenous fistula—with CT follow-up, Teng MMH; Chang T; Huang CI; et al, Neuroradiol 1991; **33:** 195
perivascular color artifact: pathologic significance and appearance on color Doppler US images, Middleton WD; Erickson S; Melson GL, Radiology 1989; **171:** 647
postangiographic femoral artery injuries: nonsurgical repair with US-guided compression, Fellmeth BD; Roberts AC; Bookstein JJ; Freischlag JA; Forsythe JR; Buckner NK; Hye RJ, Radiology 1991; **178:** 671
postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; **171:** 253
postcatheterization femoral artery injuries: is there a role for nonsurgical treatment?, Dorfman GS; Cronan JJ, Radiology 1991; **178:** 629
pseudoaneurysm and arteriovenous fistula after femoral artery catheterization: association with low femoral punctures, Altin RS; Flicker S; Naidech HJ, AJR 1989; **152:** 629
pulmonary arteriovenous fistula: ultrasonographic approach, Sommer B; Kaufmann HJ; Kumm M, Pediatr Radiol 1990; **20:** 353

renal aneurysm and arteriovenous fistula: management with transcatheter embolization, Savastano S; Feltrin GP; Miotto D; et al, Acta Radiol 1990; **31:** 73

resolution of spinal epidural vascular pseudotumor following balloon occlusion of a postoperative vertebral arteriovenous fistula, Johnson CE; Russell EJ; Huckman MS, Neuroradiol 1990; **31:** 529

spontaneous closure of an intracranial middle cerebral arteriovenous fistula, Santosh C; Teasdale E; Molyneux A, Neuroradiol 1991; **33:** 65

systemic artery-pulmonary vein fistula without sequestration, Pernot C; Simon P; Hoeffel JC; et al, Pediatr Radiol 1991; **21:** 158

technetium-99m particle imaging: acquired pulmonary micro-arteriovenous fistulae, Sty JR; Wells RG, Clin Nucl Med 1989; **14:** 212

technical aspects and results of percutaneous transluminal angioplasty in Brescia-Cimino dialysis fistulas, Bohndorf K; Günther RW; Vorwerk D; et al, Cardiovasc Intervent Radiol 1990; **13:** 323

transarterial occlusion of solitary intracerebral arteriovenous fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 747

transcatheter obliteration of a cerebellar arteriovenous fistula with platinum coils, Smith MD; Russell EJ; Levy R; et al, AJNR 1990; **11:** 1199

transcatheter occlusion of inferior mesenteric arteriovenous fistula: a case report, Peer A; Slutzki S; Witz E; et al, Cardiovasc Intervent Radiol 1989; **12:** 35

two-dimensional and Doppler echocardiographic features of coronary arteriovenous fistula: report of three cases, Fang B-R; Chiang C-W; Lin F-C; et al, J Ultrasound Med 1990; **9:** 39

ultrasound case of the day, King BF; Hattery RR, Radiographics 1990; **10:** 1101

use of a Diasonics DRF400 duplex ultrasound scanner to measure volume flow in arterio-venous fistulae in patients undergoing haemodialysis: an analysis of measurement uncertainties, Oates CP; Wiliams ED; McHugh MI, Ultrasound Med Biol 1990; **16:** 571

venous infarction of the spinal cord resulting from dural arteriovenous fistula: MR imaging findings, Larsson E-M; Desai P; Hardin CW; et al, AJNR 1991; **12:** 739

Fistula, biliary-cutaneous

use of tetracycline for sclerosis of a biliary-cutaneous fistula, Shaw DWW; Bertino RE; Mulholland MW; et al, AJR 1989; **153:** 65

Fistula, bronchobiliary

bronchobiliary fistula detected by cholescintigraphy, Velchik MG; Roth GM; Wegener W; et al, J Nucl Med 1991; **32:** 136

Fistula, bronchoesophageal

case report: tuberculous broncho–oesophageal fistula in the acquired immunodeficiency syndrome, Allen CM; Craze J; Grundy A, Clin Radiol 1991; **43:** 60

congenital broncho-oesophageal fistula in the adult, Im J-G; Lee WJ; Han MC; et al, Clin Radiol 1991; **43:** 380

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

is an oesophagobronchial fistula an absolute contraindication for treatment in cases of oesophageal cancer?, Albertsson M; Hambraeus GM, Acta Oncol 1990; **29:** 1060

left main bronchial-esophageal fistula: a complication of bronchial artery embolization, Munk PL; Morris DC; Nelems B, Cardiovasc Intervent Radiol 1990; **13:** 95

Fistula, carotid-cavernous

brainstem edema: an unusual complication of carotid cavernous fistula, Teng MMH; Chang T; Pan DH-C; et al, AJNR 1991; **12:** 139

cerebral circulation in cases of carotid cavernous fistula: findings of single photon emission computed tomography, Watanabe A; Ishii R; Suzuki Y; et al, Neuroradiol 1990; **32:** 108

diagnosis of carotid-cavernous fistula by periorbital color Doppler imaging and pulsed Doppler volume flow analysis, Kotval PS; Weitzner I Jr; Tenner MS, J Ultrasound Med 1990; **9:** 101

dilated intercavernous sinuses: an MR sign of carotid-cavernous and carotid-dural fistulas, Elster AD; Chen MYM; Richardson DN; et al, AJNR 1991; **12:** 641

direct puncture of the proximally occluded internal carotid artery for treatment of carotid cavernous fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 151

interventional neurovascular treatment of traumatic carotid and vertebral artery lesions: results in 234 cases, Higashida RT; Halbach VV; Tsai FY; et al, AJR 1989; **153:** 577

intracerebral hemorrhage in carotid-cavernous fistula, Hiramatsu K; Utsumi S; Kyoi K; et al, Neuroradiol 1991; **33:** 67

regression of an internal carotid artery pseudoaneurysm after therapeutic embolization of a post-traumatic carotid-cavernous fistula secondary to gunshot injury, Mori S; Feliciani M; Guglielmi G; et al, Neuroradiol 1990; **32:** 226

spontaneous thrombosis of a direct carotid cavernous sinus fistula: confirmation by Gd-DTPA–enhanced MR, Castillo M; Silverstein M; Hoffman JC Jr; et al, AJNR 1989; **10:** S75

transarterial platinum coil embolization of carotid-cavernous fistulas, Halbach VV; Higashida RT; Barnwell SL; et al, AJNR 1991; **12:** 429

treatment of dural carotid-cavernous fistulas via the superior ophthalmic vein, Monsein LH; Debrun GM; Miller NR; et al, AJNR 1991; **12:** 435

unilateral double carotid cavernous fistula treated with detachable balloons, Wilms G, AJNR 1990; **11:** 517

Fistula, cholecystoduodenal

cholecystoduodenal fistula with impending gallstone ileus, Braver JM; Clarke PD, Invest Radiol 1990; **25:** 757

Fistula, choledochoduodenal

"spontaneous sump syndrome": successful treatment with duodenoscopic sphincterotomy, (ab), Hallstone A; Triadafilopoulos G, JVIR 1991; **2:** 419

ulcerogenic choledochoduodenal fistula, Page JE; Dow J; Dundas DD, Clin Radiol 1989; **40:** 58

Fistula, colonic

colobronchial and gastrocolic fistulas: rare complication of Crohn's disease, Flueckiger F; Kullnig P; Melzer G; et al, Gastrointest Radiol 1990; **15:** 288

sigmoid colon fistula complicating ovarian cystadenocarcinoma: a rare finding, Honda H; Lu CH; Barloon TJ; et al, Gastrointest Radiol 1990; **15:** 78

Fistula, coronary

enormous shunt between the portal and hepatic veins associated with multiple coronary artery fistulas, Mori K; Dohi T; Yamamoto H; et al, Pediatr Radiol 1990; **21:** 66

physiologic assessment of coronary artery fistula, Gupta NC; Beauvais J, Clin Nucl Med 1991; **16:** 40

two-dimensional and Doppler echocardiographic features of coronary arteriovenous fistula: report of three cases, Fang B-R; Chiang C-W; Lin F-C; et al, J Ultrasound Med 1990; **9:** 39

Fistula, duodenal-pericardial

case report: duodeno-pericardial fistula, Cousins C; Manhire AR, Clin Radiol 1991; **43:** 412

Fistula, dural

angiography in the investigation of spinal dural arteriovenous fistula: a protocol with application of the venous phase, Willinsky RA; Lasjaunias P; Terbrugge K; et al, Neuroradiol 1990; **32:** 114

dilated intercavernous sinuses: an MR sign of carotid-cavernous and carotid-dural fistulas, Elster AD; Chen MYM; Richardson DN; et al, AJNR 1991; **12:** 641

dural arteriovenous fistulas: evaluation with MR imaging, De Marco JK; Dillon WP; Halbach VV; Tsuruda JS, Radiology 1990; **175:** 193

dural arteriovenous fistulas involving the inferior petrosal sinus: angiographic findings in six patients, Barnwell SL; Halbach VV; Dowd CF; et al, AJNR 1990; **11:** 511

dural fistulae of the tentorium cerebelli: radioanatomical, clinical and therapeutic considerations, Picard L; Bracard S; Islak C; et al, J Neuroradiol 1990; **17:** 161

gadolinium-DTPA enhanced MR imaging of spinal dural arteriovenous fistulas, Terwey B; Becker H; Thron AK; et al, JCAT 1989; **13:** 30

MR imaging of dural AV fistulas at the cavernous sinus, Komiyama M; Fu Y; Yagura H; et al, JCAT 1990; **14:** 397

multiple dural arteriovenous fistulas of the cranium and spine, Barnwell SL; Halbach VV; Dowd CF; et al, AJNR 1991; **12:** 441

transvenous embolization of dural fistulas involving the cavernous sinus, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 377

transvenous embolization of dural fistulas involving the transverse and sigmoid sinuses, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 385

treatment of dural fistulas involving the deep cerebral venous system, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 393

venous infarction of the spinal cord resulting from dural arteriovenous fistula: MR imaging findings, Larsson E-M; Desai P; Hardin CW; et al, AJNR 1991; **12:** 739

Fistula, enterovaginal

CT demonstration of fistulae in patients with gynecologic neoplasms, Thorvinger B; Horvath G; Samuelsson L, Acta Radiol 1990; **31:** 357

CT evaluation of enterovaginal and vesicovaginal fistulas, Kuhlman JE; Fishman EK, JCAT 1990; **14:** 390

Fistula, enterovesical

enterovesical fistula in a patient with cryptosporidiosis and AIDS: CT demonstration, Meyers SA; Kuhlman JE; Fishman EK, Clin Imag 1990; **14:** 143

primary non-Hodgkin's lymphoma of the terminal ileum with enterovesical fistula: a case report, Nuruddin RN; Rathakrishnan V, Australas Radiol 1990; **34:** 268

sonographic features of colovesical fistula, Chen S-S; Chou Y-H; Tiu C-M; et al, JCU 1990; **18:** 589

Fistula, esophageal

See also Fistula, bronchoesophageal; Fistula, tracheoesophageal

acquired benign esophagorespiratory fistula: report of 16 consecutive cases, (ab), Gerzić Z; Rakić S; Randjelović T, Radiology 1991; **181:** 291

computed tomography of esophagomediastinal fistula in tuberculous mediastinal lymphadenitis, Im J-G; Kim JH; Han MC; et al, JCAT 1990; **14:** 89

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

tuberculous fistulas of the pharynx and esophagus, Ramakantan R; Shah P, Gastrointest Radiol 1990; **15:** 145

Fistula, gastroaortic

peptic ulcer-induced gastroaortic fistula: difficulty in making the diagnosis with selective angiography, Rasuli P; Hammond DI; Eidus LB; et al, J Canad Assoc Radiol 1990; **41:** 151

Fistula, gastrobronchial

case report: gastrobronchial fistula, Chong WK; Constant OC, Clin Radiol 1990; **41:** 141

Fistula, gastrointestinal

diagnosis and treatment of duodenoenteric fistulas complicating Crohn's disease, (ab), Lee KKW; Schraut WH, Radiology 1989; **173:** 585

postoperative abscesses with enteric communication: percutaneous treatment, Lambiase RE; Cronan JJ; Dorfman GS; Paolella LP; Haas RA, Radiology 1989; **171:** 497

Fistula, gastropancreatic

postoperative abscesses with enteric communication: percutaneous treatment, Lambiase RE; Cronan JJ; Dorfman GS; Paolella LP; Haas RA, Radiology 1989; **171:** 497

Fistula, gastrosplenic

gastrosplenic fistula: complication of adenocarcinoma of stomach, Krause R; Larsen CR; Scholz FJ, Comput Med Imag Graph 1990; **14:** 273

Fistula, pancreatic-pleural

pancreaticopleural fistula: report of 7 patients and review of the literature, (ab), Rockey DC; Cello JP, Radiology 1991; **179:** 589

Fistula, pericardial

incidental demonstration of pericardial fistula during hepatobiliary scintigraphy, Marlatt SW; Caride VJ; Prokop EK, J Nucl Med 1991; **32:** 518

Fistula, portal vein

diagnosis of hepatic artery aneurysm with portal vein fistula using image-directed Doppler ultrasound, Endress C; Kling GA; Madrazo BL, JCU 1989; **17:** 206

pancreaticoportal fistula: a rare complication of chronic pancreatitis, Van Steenbergen W; Ponette E, Gastrointest Radiol 1990; **15:** 299

portobiliary fistula: occurrence and treatment, Rankin RN; Vellet DA, J Canad Assoc Radiol 1991; **42:** 55

Fistula, renal

arteriovenous fistulas complicating biopsy of renal allografts: treatment of bleeding with superselective embolization, deSouza NM; Reidy JF; Koffman CG, AJR 1991; **156:** 507

nephrocutaneous fistula diagnosed by computed tomography, Cooper SG; Richman AH; Tager MG, Urol Radiol 1989; **11:** 33

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; **171:** 253

Fistula, renoduodenal

pyeloduodenal fistulae. a report of two cases and review of the literature, Desmond JM; Evans SE; Couch A; et al, Clin Radiol 1989; **40:** 267

Fistula, therapeutic blockade

arterioenteric fistulae: diagnosis and treatment by angiography, Hirakata R; Hasuo K; Yasumori K; et al, Clin Radiol 1991; **43:** 328

balloon embolization of a congenital arteriovenous fistula between the internal mammary artery and a portal vein radicle, Cobby MJD; Culling W; Jordan SC; et al, Br J Radiol 1989; **62:** 371

chronic arteriovenous fistulas masquerading as arteriovenous malformations: diagnostic considerations and therapeutic implications, Lawdahl RB; Routh WD; Vitek JJ; McDowell HA; Gross GM; Keller FS, Radiology 1989; **170:** 1011

direct puncture of the proximally occluded internal carotid artery for treatment of carotid cavernous fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 151

ethanol embolization of arteriovenous fistulas: a primary model of therapy, Yakes WF; Luethke JM; Merland JJ; Rak KM; Slater DD; Hollis HW; Parker SH; Casasco A; Aymard A; Hodes J; Hopper KD; Stavros AT; Carter TE, JVIR 1990; **1:** 89

percutaneous balloon occlusion of surgical arteriovenous fistulae following venous thrombectomy, Endrys J; Eklöf B; Neglén P; et al, Cardiovasc Intervent Radiol 1989; **12:** 226

percutaneous reposition of dislodged coils in the treatment of a vertebral arteriovenous fistula—with CT follow-up, Teng MMH; Chang T; Huang CI; et al, Neuroradiol 1991; **33:** 195

transarterial occlusion of solitary intracerebral arteriovenous fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 747

transarterial platinum coil embolization of carotid-cavernous fistulas, Halbach VV; Higashida RT; Barnwell SL; et al, AJNR 1991; **12:** 429

transcatheter obliteration of a cerebellar arteriovenous fistula with platinum coils, Smith MD; Russell EJ; Levy R; et al, AJNR 1990; **11:** 1199

transvenous embolization of dural fistulas involving the cavernous sinus, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 377

transvenous embolization of dural fistulas involving the transverse and sigmoid sinuses, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 385

treatment of dural carotid-cavernous fistulas via the superior ophthalmic vein, Monsein LH; Debrun GM; Miller NR; et al, AJNR 1991; **12:** 435

treatment of dural fistulas involving the deep cerebral venous system, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 393

unilateral double carotid cavernous fistula treated with detachable balloons, Wilms G, AJNR 1990; **11:** 517

use of tetracycline for sclerosis of a biliary-cutaneous fistula, Shaw DWW; Bertino RE; Mulholland MW; et al, AJR 1989; **153:** 65

Fistula, tracheoesophageal

atretic esophagus: transgastric balloon-assisted hydrostatic dilation, Kleinman PK; Waite RJ; Cohen IT; Hirsh MP; Belanger PL, Radiology 1989; **171:** 831

difficulties in diagnosis of congenital H-type tracheo-oesophageal fistulae, Kirk JME; Dicks-Mireaux C, Clin Radiol 1989; **40:** 150

gastrointestinal visualization during xenon-133 ventilation study in a patient with tracheoesophageal fistula, Takehara Y; Takahashi M; Isoda H; et al, J Nucl Med 1989; **30:** 258

ultrafast CT of laryngeal and tracheobronchial obstruction in symptomatic postoperative infants with esophageal atresia and tracheoesophageal fistula, Kao SCS; Smith WL; Sato Y; et al, AJR 1990; **154:** 345

Fistula, ureteral

endoluminal radio-frequency electrocautery for permanent ureteral occlusion in swine, Kopecky KK; Steidle CP; Eble JN; Bihrle R; Dreesen RG; McNulty AM; Sutton GP; Becker GJ, Radiology 1989; **170:** 1043

nephrectomy *in situ*: treatment of ureteral fistula due to progressive malignancy, Ebisuno S; Aoshi H; Ohkawa T, Urol Radiol 1989; **11:** 102

percutaneous transrenal endoureteral radio-frequency electrocautery for occlusion: case report, Kopecky KK; Sutton GP; Bihrle R; Becker GJ, Radiology 1989; **170:** 1047

transrenal ureteral occlusion with Gianturco coils and gelatin sponge, Gaylord GM; Johnsrude IS, Radiology 1989; **172:** 1047

Fistula, ureteroarterial

gross hematuria in two patients with ureteral-ileal conduits and double-J stents, Keller FS; Barton RE; Routh WD; Gross GM, JVIR 1990; **1:** 69

gross hematuria in two patients with ureteral-ileal conduits and double-J stents: commentary, Bihrle R, JVIR 1990; **1:** 77

gross hematuria in two patients with ureteral-ileal conduits and double-J stents: reply, Benenati JF, JVIR 1990; **1:** 78

Fistula, urethral

urethral fistula and history of bladder neoplasms, Kavoussi LR; Yuan J; Andriole GL, Urol Radiol 1989; **11:** 194

Fistula, urinary

treatment of urinary fistulas after resection of horseshoe kidneys by selective arterial embolization, Stefani P; Selli C; Nicita G; et al, Cardiovasc Intervent Radiol 1989; **12:** 18

Fistula, vesicorectal

transrenal ureteral occlusion with Gianturco coils and gelatin sponge, Gaylord GM; Johnsrude IS, Radiology 1989; **172:** 1047

Fistula, vesicovaginal

CT demonstration of fistulae in patients with gynecologic neoplasms, Thorvinger B; Horvath G; Samuelsson L, Acta Radiol 1990; **31:** 357

CT evaluation of enterovaginal and vesicovaginal fistulas, Kuhlman JE; Fishman EK, JCAT 1990; **14:** 390

endoluminal radio-frequency electrocautery for permanent ureteral occlusion in swine, Kopecky KK; Steidle CP; Eble JN; Bihrle R; Dreesen RG; McNulty AM; Sutton GP; Becker GJ, Radiology 1989; **170:** 1043

percutaneous transrenal endoureteral radio-frequency electrocautery for occlusion: case report, Kopecky KK; Sutton GP; Bihrle R; Becker GJ, Radiology 1989; **170:** 1047

therapeutic transrenal occlusion of the ureter: solution of plug migration problem, Schurawitzki H; Hobarth K; Gebauer A; et al, Urol Radiol 1991; **12:** 181

transrenal ureteral occlusion with Gianturco coils and gelatin sponge, Gaylord GM; Johnsrude IS, Radiology 1989; **172:** 1047

vesicovaginal fistula: ultrasound delineation and pathological correlation, Carrington BM; Johnson RJ, JCU 1990; **18:** 674

Fluorine

See also Magnetic resonance (MR), fluorine studies

real-time follow-up of 5-fluorouracil metabolism in the liver of tumor patients by means of F-19 MR spectroscopy, Semmler W; Bachert-Baumann P; Gückel F; Ermark F; Schlag P; Lorenz WJ; van Kaick G, Radiology 1990; **174:** 141

recurrence of colorectal tumors: PET evaluation, Strauss LG; Clorius JH; Schlag P; Lehner B; Kimmig B; Engenhart R; Marin-Grez M; Helus F; Oberdorfer F; Schmidlin P; van Kaick G, Radiology 1989; **170:** 329

Fluoroscopy

See also Radiography

absorbed dose in imaging: why measure it?, Wagner LK, Radiology 1991; **178:** 622

assessment of tibial torsion employing fluoroscopy, computed tomography and the cryosectioning technique, Clementz B-G; Magnusson A, Acta Radiol 1989; **30:** 75

coronal radiographs and videofluoroscopy improve the diagnostic quality of temporomandibular joint arthrography, Duvoisin B; Klaus E; Schnyder P, AJR 1990; **155:** 105

digital videofluorography for direct digital spot filming of gastrointestinal studies, Steiner E; Mueller PR; Hahn PF; et al, Gastrointest Radiol 1989; **14:** 193

esophageal motility: assessment with synchronous video tape fluoroscopy and manometry, Ott DJ; Chen YM; Hewson EG; Richter JE; Dalton CB; Gelfand DW; Wu WC, Radiology 1989; **173:** 419

fluoroscopically guided nasoenteric feeding tube placement: results of a 1-year study, Gutierrez ED; Balfe DM, Radiology 1991; **178:** 759

fluoroscopically guided percutaneous gastrostomy: is gastric fixation necessary?, Moote DJ; Ho C-S; Felice V, J Canad Assoc Radiol 1990; **41:** 363

fluoroscopically guided percutaneous gastrostomy: is gastric fixation necessary? (republication), Moote DJ; Ho C-S; Felice V, J Canad Assoc Radiol 1991; **42:** 113

fluoroscopically guided pyeloureteral interventions by using a perurethral transvesical approach, Amendola MA; Banner MP; Pollack HM; et al, AJR 1989; **152:** 97

radiation dose to patients and personnel during fluoroscopy at percutaneous renal stone extraction, Geterud K; Larsson A; Mattsson S, Acta Radiol 1989; **30:** 201

radiation dose to urological surgeons during x-ray fluoroscopy for percutaneous stone extraction, Law J; Inglis JA; Tolley DA, Br J Radiol 1989; **62:** 185

radiation exposure to angiographers under different fluoroscopic imaging conditions, Boone JM; Levin DC, Radiology 1991; **180:** 861

radiography and fluoroscopy, 1920 to the present, Krohmer JS, Radiographics 1989; **9:** 1129

tissue doses in the upper gastrointestinal fluoroscopy examination, Suleiman OH; Anderson J; Jones B; Rao GUV; Rosenstein M, Radiology 1991; **178:** 653

use of combined transoesophageal echocardiography and fluoroscopy in the biopsy of a right atrial mass, Scott PJ; Ettles DF; Rees MR; et al, Br J Radiol 1990; **63:** 222

video character generator for fluoroscopic procedures, Gerson ES, Radiology 1991; **180:** 291

Fluoroscopy, technology

clinical comparison of analog and digital 100 mm photofluorography, Hynes DM; Rowlands JA; Edmonds EW, J Canad Assoc Radiol 1989; **40:** 262

design of a lightweight mobile chair for use with video fluoroscopy in the investigation of swallow disorders, Cameron DC; Guy D, Australas Radiol 1990; **34:** 274

digital fluoroscopic imaging device for radiotherapy localization, Munro P; Rawlinson JA; Fenster A, Int J Radiat Oncol Biol Phys 1990; **18:** 641

digital fluoroscopy and radiography system: technical description and clinical examples, Cox GG; Templeton AW; McMillan JH; Wetzel LH; Lee KR, Radiographics 1990; **10:** 491

dynamic imaging of pulmonary ventilation: description of a novel digital fluoroscopic system, Kiuru A; Svedström E; Kuuluvainen I, Acta Radiol 1991; **32:** 114

exposure rates in high-level-control fluoroscopy for image enhancement, Cagnon CH; Benedict SH; Mankovich NJ; Bushberg JT; Seibert JA; Whiting JS, Radiology 1991; **178:** 643

intraoperative cholangiography: use of portable fluoroscopy and transmitted images, Handy JE; Rose SC; Nieves AS; Johnson RL; Hunter JG; Miller FJ, Radiology 1991; **181:** 205

manual compression device for fluoroscopy, Scholz FJ, Radiology 1989; **170:** 564

use of C-arm fluoroscope to examine patients with swallowing disorders, Davis M; Palmer P; Kelsey C, AJR 1990; **155:** 986

videofluoroscopy in elderly patients with aspiration: importance of evaluating both oral and pharyngeal stages of deglutition, Feinberg MJ; Ekberg O, AJR 1991; **156:** 293

zero-added-dose gastrointestinal film studies, Hamilton G, J Canad Assoc Radiol 1989; **40:** 203

Fluorouracil

5-fluorouracil modulation of radiosensitivity in cultured human carcinoma cells, Smalley SR; Kimler BF; Evans RG, Int J Radiat Oncol Biol Phys 1991; **20:** 207

combined 5-fluorouracil and irradiation for transitional cell carcinoma of the urinary bladder, Russell KJ; Boileau MA; Higano C; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 693

comparison of 5-fluorouracil pharmacokinetics following intraperitoneal and intravenous administration using *in vivo* ^{19}F magnetic resonance spectroscopy, Glaholm J; Leach MO; Collins D; et al, Br J Radiol 1990; **63:** 547

concomitant 5-fluorouracil infusion, mitomycin C and radical radiation therapy in esophageal squamous cell carcinoma, Chan A; Wong A; Arthur K, Int J Radiat Oncol Biol Phys 1989; **16:** 59

concomitant pelvic irradiation, 5-fluorouracil and mitomycin C in the treatment of advanced cervical carcinoma, Khoury GG; Bulman AS; Joslin CAF; et al, Br J Radiol 1991; **64:** 252

effect of sequential methotrexate and 5-fluorouracil in patients with recurrent head and neck cancer, Lindelöv B; Hansen HS, Acta Oncol 1989; **28:** 227

failure of preventing 5-fluorouracil cardiotoxicity by prophylactic treatment with verpamil, Eskilsson J; Albertsson M, Acta Oncol 1990; **29:** 1001

gastrointestinal toxicity of 5-FU and 5-FUDR: radiographic findings, Hiehle JF Jr; Levine MS, J Canad Assoc Radiol 1991; **42:** 109

localized unresectable pancreatic cancer, Treurniet-Donker AD; van Mierlo MJM; van Putten WLJ, Int J Radiat Oncol Biol Phys 1990; **18:** 59

multinuclear MR investigation of the metabolic response of the murine RIF-1 tumor to 5-fluorouracil chemotherapy, Sijens PE; Baldwin NJ; Ng TC, Magn Res Med 1991; **19:** 373

phase I study of prolonged infusion 5-fluorouracil and concomitant radiation therapy in patients with squamous cell cancer of the head and neck, Weppelmann B; Wheeler RH; Peters GE; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 357

phase II study of 5-fluorouracil/cisplatinum in recurrent cervical cancer, Kaern J; Tropé C; Abeler V; et al, Acta Oncol 1990; **29:** 25

protracted intravenous infusion of 5-fluorouracil in combination treatments: a review, Hansen RM, Acta Oncol 1991; **30:** 7

randomized study of 5 fluorouracil and cis platin as neoadjuvant therapy in head and neck cancer: a preliminary report, Martin M; Hazan A; Vergnes L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 973

real-time follow-up of 5-fluorouracil metabolism in the liver of tumor patients by means of F-19 MR spectroscopy, Semmler W; Bachert-Baumann P; Gückel F; Ermark F; Schlag P; Lorenz WJ; van Kaick G, Radiology 1990; **174:** 141

treatment of advanced transitional cell carcinoma of the bladder with irradiation and concomitant 5-fluorouracil infusion, Rotman M; Aziz H; Porrazzo M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1131

use of simultaneous radiotherapy and 5-fluorouracil in patients with inoperable squamous cell lung cancer, Kelly SA; MacLeod PM; Ash DV, Clin Radiol 1989; **40:** 311

Food and Drug Administration

new tools of the trade, Reamer LA, Radiology 1990; **174:** 923

Foot

contrast venography in patients with very edematous feet: use of transdermal illumination to aid in vein puncture, Bhargava R; Millward SF, Radiology 1991; **179:** 583

primary tumors of the foot: MR imaging, Keigley BA; Haggar AM; Gaba A; Ellis BI; Froelich JW; Wu KK, Radiology 1989; **171:** 755

Foot, abnormalities

case report 666, Walling AK; Ogden JA, Skeletal Radiol 1991; **20:** 233

cystic rheumatoid arthritis: description of a nonerosive form, Gubler FM; Maas M; Dijkstra PF; de Jongh HR, Radiology 1990; **177:** 829

hallux valgus deformity: preoperative radiologic assessment, Karasick D; Wapner KL, AJR 1990; **155:** 119

osteosclerosis of the phalanges in Werner syndrome, Goto M; Kindynis P; Resnick D; Sartoris DJ, Radiology 1989; **172:** 841

plantar fasciitis: MR imaging, Berkowitz JF; Kier R; Rudicel S, Radiology 1991; **179:** 665

sonography of the nonossified tarsal navicular cartilage in an infant with congenital vertical talus, Schlesinger AE; Deeney VFX; Caskey PF, Pediatr Radiol 1989; **20:** 134

transvaginal ultrasound diagnosis of fetal clubfeet at 13 weeks, menstrual age, Bronshtein M; Zimmer EZ, JCU 1989; **17:** 518

Foot, CT

computed tomographic assessment of old calcaneal fractures, Bradley SA; Davies AM, Br J Radiol 1990; **63:** 926

rigid subtalar joint—a radiographic spectrum, Bower BL; Keyser CK; Gilula LA, Skeletal Radiol 1989; **17:** 583

Foot, fractures

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415

computed tomographic assessment of old calcaneal fractures, Bradley SA; Davies AM, Br J Radiol 1990; **63:** 926

fractures of the base of the fifth metatarsal, Munro TG, J Canad Assoc Radiol 1989; **40:** 260

toddler's cuboid fracture, Blumberg K; Patterson RJ, Radiology 1991; **179:** 93

Foot, injuries

pseudomalignant, nonneoplastic osseous soft-tissue tumors of the hand and foot, Schütte HE; van der Heul RO, Radiology 1990; **176:** 149

subtle injuries of the Lisfranc joint, (ab), Faciszewski T; Burks RT; Manaster BJ, Radiology 1991; **179:** 887

trauma to the foot, Forrester DM; Kerr R, Radiol Clin North Am 1990; **28:** 423

Foot, MR

diabetic foot: magnetic resonance imaging evaluation, Beltran J; Campanini SD; Knight CT; et al, Skeletal Radiol 1990; **19:** 37

interdigital (Morton) neuroma: high-resolution MR imaging with a solenoid coil, Erickson SJ; Canale PB; Carrera GF; Johnson JE; Shereff MJ; Gould JS; Hyde JS; Jesmanowicz A, Radiology 1991; **181:** 833

magnetic resonance imaging in the diagnosis of tarsal tunnel syndrome: case report, Zeiss J; Ebraheim NA; Rusin J, Clin Imag 1990; **14:** 123

magnetic resonance imaging of the foot and ankle, Berquist TH, Semin US CT MR 1990; **11:** 327

MR imaging in tarsal tunnel syndrome, Kerr R; Frey C, JCAT 1991; **15:** 280

MR imaging of the tarsal tunnel and related spaces: normal and abnormal findings with anatomic correlation, Erickson SJ; Quinn SF; Kneeland JB; et al, AJR 1990; **155:** 323

plantar fasciitis: MR imaging, Berkowitz JF; Kier R; Rudicel S, Radiology 1991; **179:** 665

primary tumors of the foot: MR imaging, Keigley BA; Haggar AM; Gaba A; Ellis BI; Froelich JW; Wu KK, Radiology 1989; **171:** 755

soft-tissue tumors of the foot: value of MR imaging for specific diagnosis, Wetzel LH; Levine E, AJR 1990; **155:** 1025

Foot, neoplasms

calcaneus: normal and abnormal, Kumar R; Matasar K; Stansberry S; Shirkhoda A; David R; Madewell JE; Swischuk LE, Radiographics 1991; **11:** 415

case report 635, Abdelwahab IF; Hermann G; Klein MJ; et al, Skeletal Radiol 1990; **19:** 539

case report 638, Ribalta T; Ro JY; Carrasco CH; et al, Skeletal Radiol 1990; **19:** 549

limb salvage therapy for soft tissue sarcomas of the foot, Selch MT; Kopald KH; Ferreiro GA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 41

primary tumors of the foot: MR imaging, Keigley BA; Haggar AM; Gaba A; Ellis BI; Froelich JW; Wu KK, Radiology 1989; **171:** 755

soft-tissue tumors of the foot: value of MR imaging for specific diagnosis, Wetzel LH; Levine E, AJR 1990; **155:** 1025

Foot, radiography

imaging of the foot and ankle, Pavlov H, Radiol Clin North Am 1990; **28:** 991

Foot, radionuclide studies

detection of talocalcaneal coalitions by magnification bone scintigraphy, Mandell GA; Harcke HT; Hugh J; et al, J Nucl Med 1990; **31:** 1797

evaluation of plantar fasciitis by three-phase bone scintigraphy, Intenzo CM; Wapner KL; Park CH; et al, Clin Nucl Med 1991; **16:** 325

role of bone scan and radiography in the diagnostic evaluation of suspected pedal osteomyelitis, Segall GM; Nino-Murcia M; Jacobs T; et al, Clin Nucl Med 1989; **14:** 255

scintigraphy in the diagnosis of occult fractures of the calcaneus, Moss EH; Carty H, Skeletal Radiol 1990; **19:** 575

toddler's cuboid fracture, Blumberg K; Patterson RJ, Radiology 1991; **179:** 93

Foot, US

Morton neuroma: sonographic evaluation, Redd RA; Peters VJ; Emery SF; Branch HM; Rifkin MD, Radiology 1989; **171:** 415

Foreign bodies

bullet identification with radiography, Bixler RP; Ahrens CR; Rossi RP; Thickman D, Radiology 1991; **178:** 563

clinical and pathologic studies of 26 patients with penetrating foreign body injury to the joints, bursae, and tendon sheaths, (ab), Reginato AJ; Ferreiro JL; O'Connor CR; et al, Radiology 1991; **180:** 295

computed tomography of retained abdominal sponges and towels, Buy J-N; Hubert C; Ghossain MA; et al, Gastrointest Radiol 1989; **14:** 41

embolization of a prosthetic mitral valve leaflet: localizaton with intravascular US, Miller SF; McCowan TC; Eidt JF; Cook JM; Carver DK, JVIR 1991; **2:** 375

experience with new retrieval forceps for foreign body removal in the vascular, urinary, and biliary systems, Selby JB Jr; Tegtmeyer CJ; Bittner GM, Radiology 1990; **176:** 535

gossypiboma in the early post-operative period: a diagnostic problem, Apter S; Hertz M; Rubinstein ZJ; et al, Clin Radiol 1990; **42:** 128

homemade snare for removal of foreign bodies, Hartnell GG, Radiology 1991; **181:** 903

identification of retained firearm projectiles on plain radiographs, Dodd GD III; Budzik RF Jr, AJR 1990; **154:** 471

important considerations in measurement of attractive force on metallic implants in MR imagers, Kagetsu NJ; Litt AW, Radiology 1991; **179:** 505

intra-abdominal retained surgical sponges presenting as a photopenic mass on scintigraphy, Yeo EE; Low J, Clin Nucl Med 1991; **16:** 543

localisation of intraocular and intraorbital foreign bodies using computed tomography, Etherington RJ; Hourihan MD, Clin Radiol 1989; **40:** 610

localization and guided removal of soft-tissue foreign bodies with sonography, Shiels WE II; Babcock DS; Wilson JL; et al, AJR 1990; **155:** 1277

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP; Yee CA; Van Horn DD; Kim HS; Colletti PM, Radiology 1990; **175:** 855

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP, Radiology 1990; **177:** 883

metallic staples refluxing to the upper urinary tract: a source of renal calculi in patients with ileal conduit urinary diversion, McCarthy P; Cheung L; Hanno P; et al, Br J Radiol 1991; **64:** 467

MR appearance of postoperative foreign body granuloma: case report with pathologic confirmation, De Marco JK; McDermott MW; Dillon WP; et al, AJNR 1991; **12:** 190

MR imaging of firearm projectiles, Lufkin RB, Radiology 1991; **179:** 285

MR of ballistic materials: imaging artifacts and potential hazards, Smith AS; Hurst GC; Duerk JL; et al, AJNR 1991; **12:** 567

nitinol gooseneck snare for removal of foreign bodies: experimental study and clinical evaluation, Yedlicka JW Jr; Carlson JE; Hunter DW; Castañeda-Zúñiga WR; Amplatz K, Radiology 1991; **178:** 691

ocular hazard of metallic fragments during MR imaging at 0.06 T, Kelsey CA; King JN; Keck GM; Chiu MT; Wolfe DM; Orrison WW, Radiology 1991; **180:** 282

percutaneous removal of a Gianturco coil from the pulmonary artery with use of flexible intravascular forceps, Chomyn JJ; Craven WM; Groves BM; Durham JD, JVIR 1991; **2:** 105

percutaneous retrieval of a fractured surgical drain from the deep perineal soft tissues: technical note, Morse SS; Kaffenberger DA; Finney NR, Cardiovasc Intervent Radiol 1990; **13:** 117

peripheral vascular gunshot bullet embolus migration to the cerebral circulation: report and literature review, Dadsetan MR; Jinkins JR, Neuroradiol 1990; **32:** 516

retained surgical gauzes: acute and chronic CT and US findings, Liessi G; Semisa M; Sandini F; et al, Eur J Radiol 1989; **9:** 182

role of ultrasound in the detection of non-radiopaque foreign bodies, Gilbert FJ; Campbell RSD; Bayliss AP, Clin Radiol 1990; **41:** 109

sonographic detection of foreign bodies of the extremities, Banerjee B; Das RK, Br J Radiol 1991; **64:** 107

spherical objects: elliptical shape of shadows at the periphery of radiographs, Roos MF, Radiology 1991; **181:** 607

wizardry and radiography: a clinical case, Desrentes M, Radiology 1990; **177:** 115

Foreign bodies, in air and food passages

catheter removal of blunt esophageal foreign bodies in children: survey of the Society for Pediatric Radiology, Campbell JB; Condon VR, Pediatr Radiol 1989; **19:** 361

chicken bone lodged in the upper esophagus: CT findings, Douglas M; Sistrom CL, Gastrointest Radiol 1991; **16:** 11

computed tomographic detection of a swallowed denture, McLaughlin MG; Swayne LC; Caruana V, Comput Med Imag Graph 1989; **13:** 161

deglutition after near-fatal choking episode: radiologic evaluation, Feinberg MJ; Ekberg O, Radiology 1990; **176:** 637

detection of a radiolucent bronchial foreign body by computed tomography, Gupta AK; Berry M, Pediatr Radiol 1991; **21:** 307

dislocated Atkinson tubes: removal and repositioning with a balloon catheter, Jantsch H; Lechner G; Wittich GR; Wunderlich M; Karnel F; Niederle B, Radiology 1989; **170:** 885

esophageal edema as a predictor of unsuccessful balloon extraction of esophageal foreign body, Towbin RB; Lederman HM; Dunbar JS; et al, Pediatr Radiol 1989; **19:** 359

esophageal obstruction after ingestion of a fiber-containing diet pill, (ab), Seidner DL; Roberts IM; Smith MS, Radiology 1991; **180:** 587

hepatic abscess secondary to a fishbone penetrating the gastric wall: CT demonstration, Masunaga S-i; Abe M; Imura T; et al, Comput Med Imag Graph 1991; **15:** 113

how accurate is chest radiography in the diagnosis of tracheobronchial foreign bodies in children?, Svedström EJ; Puhakka HJ; Kero P, Pediatr Radiol 1989; **19:** 520

magnet catheter for removal of magnetic foreign bodies, Towbin RB; Dunbar JS; Rice S, AJR 1990; **154:** 149

metallic foreign bodies in the stomach: fluoroscopic removal with a magnetic orogastric tube, Paulson EK; Jaffe RB, Radiology 1990; **174:** 191

pediatric case of the day, Dangman BC; Griscom NT, Radiographics 1991; **11:** 156

pediatric coin ingestion: a prospective study on the utility of routine roentgenograms, (ab), Caravati EM; Bennett DL; McElwee NE, Radiology 1990; **175:** 591

pediatric coin ingestions: a prospective study of coin location and symptoms, (ab), Schunk JE; Corneli H; Bolte R, Radiology 1990; **175:** 591

pneumomediastinum caused by foreign body aspiration in children, Burton EM; Riggs W Jr; Kaufman RA; et al, Pediatr Radiol 1989; **20:** 45

potential hazards of esophageal foreign body extraction, Myer CM III, Pediatr Radiol 1991; **21:** 97

prospective study on fish bone ingestion: experience of 358 patients, (ab), Ngan JHK; Fok PJ; Lai ECS; et al, Radiology 1990; **177:** 594

radio-opacity of fishbones—species variation, Ell SR; Sprigg A, Clin Radiol 1991; **44:** 104

swallowed toothbrush: a radiographic clue of bulimia, Riddlesberger MM Jr; Cohen HL; Glick PL, Pediatr Radiol 1991; **21:** 262

therapeutic approach to ingested button-type batteries: magnetic removal of ingested button-type batteries, Volle E; Beyer P; Kaufmann HJ, Pediatr Radiol 1989; **19:** 114

treatment of acute esophageal food impaction with a combination of glucagon, effervescent agent, and water, Kaszar-Seibert DJ; Korn WT; Bindman DJ; et al, AJR 1990; **154:** 533

use of a metal detector to identify ingested metallic foreign bodies, Arena L; Baker SR, AJR 1990; **155:** 803

wooden foreign body in the lung parenchyma, Spouge AR; Weisbrod GL; Herman SJ; et al, AJR 1990; **154:** 999

Forensic radiology

bullet identification with radiography, Bixler RP; Ahrens CR; Rossi RP; Thickman D, Radiology 1991; **178:** 563

nutrient groove of the ilium, a subtle but important forensic radiographic marker in the identification of victims of severe trauma, Moser RP Jr; Wagner GN, Skeletal Radiol 1990; **19:** 15

Fournier gangrene

See Scrotum, diseases

Fractionation

See Radiobiology, time-dose studies

Fractures

See also under names of individual bones

are preterm infants at risk for subsequent fractures?, (ab), Dahlenburg SL; Bishop NJ; Lucas A, Radiology 1990; **175:** 888

clinical history, radiographic reporting, and defensive radiologic practice, Hall FM, Radiology 1989; **170:** 575

distribution of physeal and nonphyseal fractures in 2,650 long-bone fractures in children aged 0–16 years, (ab), Mann DC; Rajmaira S, Radiology 1991; **179:** 888

dorsal lunate tilt (DISI configuration): sign of scaphoid fracture displacement, Smith DK; Gilula LA; Amadio PC, Radiology 1990; **176:** 497

extension of growth-plate cartilage into the metaphysis: a sign of healing fracture in abused infants, Kleinman PK; Marks SC Jr; Spevak MR; et al, AJR 1991; **156:** 775

fidelity of three-dimensional CT imaging for detecting fracture gaps, Drebin RA; Magid D; Robertson DD; et al, JCAT 1989; **13:** 487

impact of clinical history on fracture detection with radiography, Miller WT, Radiology 1989; **170:** 576

impact of clinical history on radiographic detection of fractures: a comparison of radiologists and orthopedists, Berbaum KS; Franken EA Jr; El-Khoury GY, AJR 1989; **153:** 1221

lateral tibial rim (segond) fractures: MR imaging characteristics, Weber WN; Neumann CH; Barakos JA; Peterson SA; Steinbach LS; Genant HK, Radiology 1991; **180:** 731

metaphyseal impaction fractures in acute lymphoblastic leukemia, Manson D; Martin RF; Cockshott WP, Skeletal Radiol 1989; **17:** 561

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

MR imaging of fractures of the growth plate, Jaramillo D; Hoffer FA; Shapiro F; et al, AJR 1990; **155:** 1261

nondisplaced fractures: spatial resolution requirements for detection with digital skeletal imaging, Murphey MD; Bramble JM; Cook LT; Martin NL; Dwyer SJ III, Radiology 1990; **174:** 865

radiographic appearance of healed extremity fractures in children with spinal cord lesions, Hyre HM; Stelling CB, Skeletal Radiol 1989; **18:** 189

radionuclide bone imaging in the early detection of fractures of the proximal femur (hip): multifactorial analysis, Holder LE; Schwarz C; Wernicke PG; Michael RH, Radiology 1990; **174:** 509

reference to dorsal intercalated segment instability in the literature, McNiesh LM, Radiology 1991; **180:** 879

reference to dorsal intercalated segment instability in the literature: reply, Smith DK; Gilula LA; Amadio PC, Radiology 1991; **180:** 879

seat belt injuries: radiologic findings and clinical correlation, Hayes CW; Conway WF; Walsh JW; Coppage L; Gervin AS, Radiographics 1991; **11:** 23

use of lead markers in trauma cases, Morparia HK; Merchant SA, Radiology 1990; **177:** 352

Fractures, complications

detection of osteomyelitis at fracture nonunion sites: comparison of two scintigraphic methods, Seabold JE; Nepola JV; Conrad GR; et al, AJR 1989; **152:** 1021

diagnostic imaging of fracture complications, Hendrix RW; Rogers LF, Radiol Clin North Am 1989; **27:** 1023

direct coronal CT of the scaphoid bone, Pennes DR; Jonsson K; Buckwalter KA, Radiology 1989; **171:** 870

post-traumatic cysts and cyst-like lesions of bone, Moore TE; King AR; Travis RC; et al, Skeletal Radiol 1989; **18:** 93

Fractures, pathologic

case report 549, McGlade CT; Bassett LW; Mirra J; et al, Skeletal Radiol 1989; **18:** 322

pathological fracture of the femoral shaft in a case of Servelle–Martorell syndrome (phleboeclatic osteohypoplastic angiodysplasia with associated arterio-venous malformation), Gibbon WW; Pooley J, Br J Radiol 1990; **63:** 574

Fractures, stress

athletic injuries, Pavlov H, Radiol Clin North Am 1990; **28:** 435

bilateral pedicle stress fractures: SPECT and CT features, Traughber PD; Havlina JM Jr, JCAT 1991; **15:** 338

bone abnormalities of the knee: prevalence and significance at MR imaging, Lynch TCP; Crues JV III; Morgan FW; Sheehan WE; Harter LP; Ryu R, Radiology 1989; **171:** 761

calcaneal insufficiency avulsion fractures in patients with diabetes mellitus, Kathol MH; El-Khoury GY; Moore TE; Marsh JL, Radiology 1991; **180:** 725

case report 624, Schultz E, Skeletal Radiol 1990; **19:** 391

case report 686, Pistolesi GF; Caudana R; D'Attoma N; et al, Skeletal Radiol 1991; **20:** 454

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

enigma of stress fractures in the pediatric age: clarification or confusion through the new imaging modalities, Horev G; Korenreich L; Ziv N; et al, Pediatr Radiol 1990; **20:** 469

fatigue fracture of the sacrum: a case report, Haller J; Kindynis P; Resnick D; et al, J Canad Assoc Radiol 1989; **40:** 277

fatigue fractures of the femoral diaphysis in the skeletally immature simulating malignancy, Davies AM; Carter SR; Grimer RJ; et al, Br J Radiol 1989; **62:** 893

longitudinal stress fractures of the tibia: diagnosis with CT, Goupille P; Giraudet-Le Quintrec J-S; Job-Deslandre C; Menkes C-J, Radiology 1989; **171:** 583

low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Bellah RD; Summerville DA; Treves ST; Micheli LJ, Radiology 1991; **180:** 509

positioning for plain spinal radiography producing paraplegia in a patient with ankylosing spondylitis, Upadhyay SS; Ho EKW; Hsu LCS, Br J Radiol 1991; **64:** 549

'stress fracture' in osteoporosis treated with sodium fluoride, Gips S; Cohen L; Hardoff R, Clin Nucl Med 1991; **16:** 183

stress fracture of the fibula in the first decade of life: report of eight cases, Kozlowski K; Azouz M; Hoff D, Pediatr Radiol 1991; **21:** 381

stress fracture of the patella: confirmation by triple-phase bone imaging, Rockett JF; Freeman BL III, Clin Nucl Med 1990; **15:** 873

three-phase radionuclide bone imaging in stress injury of the anterior iliac crest, Rockett JF, J Nucl Med 1990; **31:** 1554

traumatised ischial apophysis (report of six cases), Kozlowski K; Campbell JB; Azouz EM, Australas Radiol 1989; **33:** 140

Fractures, therapy

induction of fracture healing using fibrous calcium phosphate composite spherulites, Young SW; Andrews WA; Muller H; et al, Invest Radiol 1991; **26:** 470

orthopedic fixation devices, Slone RM; Heare MM; Vander Griend RA; Montgomery WJ, Radiographics 1991; **11:** 823

radiologic assessment of bones after Ilizarov procedures, Young JWR; Kovelman H; Resnik CS; Paley D, Radiology 1990; **177:** 89

Frostbite

frostbite injury: prediction of tissue viability with triple-phase bone scanning, Mehta RC; Wilson MA, Radiology 1989; **170:** 511

long term sequelae of frostbite, Crouch C; Smith WL, Pediatr Radiol 1990; **20:** 365

Fungi

clinical spectrum of fungal infections after orthotopic liver transplantation, (ab), Castaldo P; Stratta RJ; Wood RP; et al, Radiology 1991; **180:** 883

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

free-floating *Aspergillus* vegetation in left atrium: identification by two-dimensional echocardiography, Chow W-H; Ng THK; Chow T-C; et al, JCU 1991; **19:** 315

fungal pulmonary infections after bone marrow transplantation: evaluation with radiography and CT, Mori M; Galvin JR; Barloon TJ; Gingrich RD; Stanford W, Radiology 1991; **178:** 721

nasopharyngeal and temporal bone blastomycosis: CT and MR findings, Angtuaco EEC; Angtuaco EJC; Glasier CM; et al, AJNR 1991; **12:** 725

pulmonary blastomycosis: findings on chest radiographs in 63 patients, Sheflin JR; Campbell JA; Thompson GP, AJR 1990; **154:** 1177

G

Gadolinium

acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

acute, subacute, and chronic myocardial infarction: quantitative analysis of gadolinium-enhanced MR images, van Dijkman PRM; van der Wall EE; de Roos A; Matheijssen NAA; van Rossum AC; Doornbos J; van der Laarse A; van Voorthuisen AE; Bruschke AVG, Radiology 1991; **180:** 147

adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Krestin GP; Steinbrich W; Friedmann G, Radiology 1989; **171:** 675

advances in macrocyclic gadolinium complexes as magnetic resonance imaging contrast agents, Meyer D; Schaefer M; Doucet D, Invest Radiol 1990; **25:** S53

appropriate use of names for MR contrast media, Goldstein HA, Radiology 1990; **174:** 897

assessing response to therapy of spinal metastases with gadolinium-enhanced MR imaging, Sugimura K; Kajitani A; Okizuka H; Sugihara M; Mizutani M; Ishida T, JMRI 1991; **1:** 481

assessment of extradural degenerative disease with Gd-DTPA–enhanced MR imaging: correlation with surgical and pathologic findings, Ross JS; Modic MT; Masaryk TJ; et al, AJNR 1989; **10:** 1243

assessment of extradural degenerative disease with Gd-DTPA–enhanced MR imaging: correlation with surgical and pathologic findings, Ross JS; Modic MT; Masaryk TJ; et al, AJR 1990; **154:** 151

biodistribution and clearance of liposomal gadolinium-DTPA, Unger E; Cardenas D; Zerella A; et al, Invest Radiol 1990; **25:** 638

biodistribution and magnetic resonance imaging of cross-linked DTPA polysaccharides, Gibby WA; Billings J; Hall J; et al, Invest Radiol 1990; **25:** 164

bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535

breast disease: tissue characterization with Gd-DTPA enhancement profiles, Stack JP; Redmond OM; Codd MB; Dervan PA; Ennis JT, Radiology 1990; **174:** 491

calvarial and skull base metastases: comparison of nonenhanced and Gd-DTPA–enhanced MR images, West MS; Russell EJ; Breit R; Sze G; Kim KS, Radiology 1990; **174:** 85

carcinoma of the uterus: use of gadopentetate dimeglumine in MR imaging, Hricak H; Hamm B; Semelka RC; Cann CE; Nauert T; Secaf E; Stern JL; Wolf K-J, Radiology 1991; **181:** 95

case of anaphylaxis and four cases of allergic reaction following Gd-DTPA administration, Salonen OLM, JCAT 1990; **14:** 912

cavernous sinus: correlation between anatomic and dynamic gadolinium-enhanced MR imaging findings, Korogi Y; Takahashi M; Sakamoto Y; Shinzato J, Radiology 1991; **180:** 235

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Tien RD; Brasch RC; Jackson DE; Dillon WP, Radiology 1989; **172:** 791

chemical shift imaging with paramagnetic contrast material enhancement for improved lesion depiction, Simon JH; Szumowski J, Radiology 1989; **171:** 539

chronic inflammatory disease of the middle ear cavities: Gd-DTPA–enhanced MR imaging, Martin N; Sterkers O; Nahum H, Radiology 1990; **176:** 399

clinical experience with routine Gd-DTPA administration for MR imaging of the brain, Schwaighofer BW; Klein MV; Wesbey G; et al, JCAT 1990; **14:** 11

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

combined gadolinium-enhanced and fat-saturation MR imaging of renal masses, Semelka RC; Hricak H; Stevens SK; Finegold R; Tomei E; Carroll PR, Radiology 1991; **178:** 803

comparison of Gd-BOPTA with Gd-DTPA in MR imaging of rat liver, Pavone P; Patrizio G; Buoni C; Tettamanti E; Passariello R; Musu C; Tirone P; Felder E, Radiology 1990; **176:** 61

contrast-enhanced MRI of tumors: comparison of Gd-DTPA and a macromolecular agent, Wikström MG; Moseley ME; White DL; et al, Invest Radiol 1989; **24:** 609

cranial MR imaging with Gd-DTPA in neonates and young infants: preliminary experience, Elster AD, Radiology 1990; **176:** 225

cranial postoperative site: assessment with contrast-enhanced MR imaging, Elster AD; DiPersio DA, Radiology 1990; **174:** 93

developing spinal column: gadolinium-enhanced MR imaging, Sze G; Bravo S; Baierl P; Shimkin PM, Radiology 1991; **180:** 497

differentiation of capillary leak and hydrostatic pulmonary edema with a macromolecular MR imaging contrast agent, Berthezene Y; Vexler V; Jerome H; Sievers R; Moseley ME; Brasch RC, Radiology 1991; **181:** 773

dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Mirowitz SA; Brown JJ; Lee JKT; Heiken JP, Radiology 1991; **179:** 681

dynamic gadolinium-enhanced rapid acquisition spin-echo MR imaging of the liver, Mirowitz SA; Lee JKT; Gutierrez E; Brown JJ; Heiken JP; Eilenberg SS, Radiology 1991; **179:** 371

dynamic Gd-DTPA–enhanced MR imaging of the kidney: experimental results, Choyke PL; Frank JA; Girton ME; Inscoe SW; Carvlin MJ; Black JL; Austin HA; Dwyer AJ, Radiology 1989; **170:** 713

dynamic MR imaging of the liver with Gd-DTPA: initial clinical results, Edelman RR; Siegel JB; Singer A; et al, AJR 1989; **153:** 1213

dynamic spin-echo imaging with Gd-DTPA: value in the differentiation of hepatic tumors, Van Beers BE; Demeure R; Pringot J; et al, AJR 1990; **154:** 515

early cerebral infarction: gadopentetate dimeglumine enhancement, Elster AD; Moody DM, Radiology 1990; **177:** 627

effect of gadolinium DTPA on tissue water compartments in slow- and fast-twitch rabbit muscles, Adzamli IK; Jolesz FA; Bleier AR; et al, Magn Res Med 1989; **11:** 172

effect of intra-articular gadolinium-DTPA on synovial membrane and cartilage, Hajek PC; Sartoris DJ; Gylys-Morin V; et al, Invest Radiol 1990; **25:** 179

energy-dispersive x-ray microscopy to trace gadolinium in tissues, Elster AD, Radiology 1989; **173:** 868

evaluation of Gd-DTPA-labeled dextran as an intravascular MR contrast agent: imaging characteristics in normal rat tissues, Wang S-c; Wikström MG; White DL; Klaveness J; Holtz E; Rongved P; Moseley ME; Brasch RC, Radiology 1990; **175:** 483

excretion of gadopentetate dimeglumine in human breast milk, Schmiedl UP; Maravilla KR; Gerlach R; et al, AJR 1990; **154:** 1305

extracranial lesions of the head and neck: preliminary experience with Gd-DTPA—enhanced MR imaging, Robinson JD; Crawford SC; Teresi LM; Schiller VL; Lufkin RB; Harnsberger HR; Dietrich RB; Crim JR; Duckwiler GR; Spickler EM; Hanafee WN, Radiology 1989; **172:** 165

factors in myocardial "perfusion" imaging with ultrafast MRI and Gd-DTPA administration, Burstein D; Taratuta E; Manning WJ, Magn Res Med 1991; **20:** 299

first-pass cardiac perfusion: evaluation with ultrafast MR imaging, Atkinson DJ; Burstein D; Edelman RR, Radiology 1990; **174:** 757

^{19}F relaxation rate enhancement and frequency shift with Gd-DTPA, Ratner AV; Quay S; Muller HH; et al, Invest Radiol 1989; **24:** 224

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

gadolinium-DOTA enhanced fast imaging of liver tumors at 1.5 T, Marchal G; Demaerel P; Decrop E; et al, JCAT 1990; **14:** 217

gadolinium-DOTA enhanced MR imaging of intracranial lesions, Parizel PM; Degryse HR; Gheuens J; et al, JCAT 1989; **13:** 378

gadolinium-DTPA enhanced dynamic MR imaging in the evaluation of cisplatinum nephrotoxicity, Frank JA; Choyke PL; Girton ME; et al, JCAT 1989; **13:** 448

gadolinium-DTPA enhanced MR imaging in tuberous sclerosis, Martin N; Debussche C; De Broucker T; et al, Neuroradiol 1990; **31:** 492

gadolinium-DTPA enhanced MR imaging of spinal dural arteriovenous fistulas, Terwey B; Becker H; Thron AK; et al, JCAT 1989; **13:** 30

gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging, Herrlin K; Ling LB; Pettersson H; et al, Acta Radiol 1990; **31:** 233

gadolinium-DTPA enhancements of lung radiation fibrosis, Werthmuller WC; Schiebler ML; Whaley RA; et al, JCAT 1989; **13:** 946

gadolinium-DTPA in rheumatoid arthritis and related diseases: first results with dynamic magnetic resonance imaging, Reiser MF; Bongartz GP; Erlemann R; et al, Skeletal Radiol 1989; **18:** 591

gadolinium DTPA: properties and uses in MR imaging, (ab), Brasch RC; Wolf GL; Sze G; et al, Radiology 1989; **173:** 590

gadolinium-enhanced magnetic resonance imaging in temporal bone lesions, (ab), Millen SJ; Daniels DL; Meyer GA, Radiology 1989; **173:** 887

gadolinium-enhanced magnetic resonance imaging of spinal tumours, Rothwell CI; Jaspan T; Worthington BS; et al, Br J Radiol 1989; **62:** 1067

gadolinium enhancement in acute disseminated encephalomyelitis, Caldemeyer KS; Harris TM; Smith RR; et al, JCAT 1991; **15:** 673

gadolinium(III) complex equilibria: the implications for Gd(III) MRI contrast agents, Jackson GE; Wynchank S; Woudenberg M, Magn Res Med 1990; **16:** 57

gadolinium-labeled liposomes containing various amphiphilic Gd-DTPA derivatives: targeted MRI contrast enhancement agents for the liver, Kabalka GW; Davis MA; Moss TH; et al, Magn Res Med 1991; **19:** 406

gadolinium-phthalein complexone as a contrast agent for hepatobiliary MR imaging, Kawamura Y; Endo K; Koizumi M; et al, JCAT 1989; **13:** 67

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

gadopentetate dimeglumine: observations on the clinical research process, Kieffer SA, Radiology 1990; **174:** 7

Gd-DOTA: pharmacokinetics and tolerability after intravenous injection into healthy volunteers, Le Mignon M-M; Chambon C; Warrington S; et al, Invest Radiol 1990; **25:** 933

Gd DTPA: a review of clinical indications in central nervous system magnetic resonance imaging, Runge VM; Carollo BR; Wolf CR; Nelson KL; Gelblum DY, Radiographics 1989; **9:** 929

Gd-DTPA as a contrast agent in CT, Bloem JL; Wondergem J, Radiology 1989; **171:** 578

Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, Elster AD; Rieser GD, AJNR 1989; **10:** 1027

Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, Elster AD; Rieser GD, AJR 1989; **153:** 1265

Gd-DTPA enhanced high resolution MR imaging of pituitary adenomas, Steiner E; Imhof H; Knosp E, Radiographics 1989; **9:** 587

Gd-DTPA–enhanced MR images: accentuation of vascular pulsation artifacts and correction by using gradient-moment nulling (MAST), Richardson DN; Elster AD; Williams DW III, AJNR 1990; **11:** 209

Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, Chang KH; Han MH; Roh JK; et al, AJNR 1990; **11:** 69

Gd-DTPA-enhanced MR in thoracic disc herniations, Parizel PM; Rodesch G; Balériaux D; et al, Neuroradiol 1989; **31:** 75

Gd-DTPA–enhanced MR of suspected spinal multiple sclerosis, Larsson E-M; Holtås S; Nilsson O, AJNR 1989; **10:** 1071

Gd-DTPA enhancement of posterior epidural scar: an experimental model, Ross JS; Blaser S; Masaryk TJ; et al, AJNR 1989; **10:** 1083

Gd-HP-DO3A in clinical MR imaging of the brain, Runge VM; Gelblum DY; Pacetti ML; Carolan F; Heard G, Radiology 1990; **177:** 393

Gd-labeled liposomes containing amphipathic agents for magnetic resonance imaging, Kabalka GW; Davis MA; Buonocore E; et al, Invest Radiol 1990; **25:** S63

hemodynamic effects of Gd-DTPA administered via rapid bolus or slow infusion: a study in dogs, Sullivan ME; Goldstein HA; Sansone KJ; et al, AJNR 1990; **11:** 537

hepatic metastases: liposomal Gd-DTPA–enhanced MR imaging, Unger EC; Winokur T; MacDougall P; Rosenblum J; Clair M; Gatenby RA; Tilcock CP, Radiology 1989; **171:** 81

improved method for the preparation of liposomal gadolinium-DTPA: ionophore-mediated active entrapment of gadolinium, Tilcock CP; Ahkong QF; Parr M, Invest Radiol 1991; **26:** 242

intraarterial portography with gadopentetate dimeglumine: improved liver-to-lesion contrast in MR imaging, Pavone P; Giuliani S; Cardone G; Occhiato R; Di Renzi P; Petroni GA; Buoni C; Passariello R, Radiology 1991; **179:** 693

intradural spinal cord lesions: Gd-DTPA–enhanced MR imaging, Dillon WP; Norman D; Newton TH; Bolla K; Mark A, Radiology 1989; **170:** 229

intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM, Radiology 1991; **181:** 573

is Gd-DTPA required for routine cranial MR imaging?, Elster AD; Moody DM; Ball MR; Laster DW, Radiology 1989; **173:** 231

liposomal Gd-DTPA: preparation and characterization of relaxivity, Tilcock CP; Unger EC; Cullis P; MacDougall P, Radiology 1989; **171:** 77

magnetic resonance imaging contrast enhancement versus tissue gadolinium concentration, Wang SC; White DL; Pope JM; et al, Invest Radiol 1990; **25:** S44

magnetic resonance imaging of the pancreas with gadolinium-DTPA, Chezmar JL; Nelson RC; Small WC; et al, Gastrointest Radiol 1991; **16:** 139

meningeal Gd-DTPA enhancement in patients with malignancies, Paakko E; Patronas NJ; Schellinger D, JCAT 1990; **14:** 542

meninges: benign postoperative enhancement on MR images, Burke JW; Podrasky AE; Bradley WG Jr, Radiology 1990; **174:** 99

MR evaluation of CNS tumors: dose comparison study with gadopentetate dimeglumine and gadoteridol, Yuh WTC; Fisher DJ; Engelken JD; Greene GM; Sato Y; Ryals TJ; Crain MR; Ehrhardt JC, Radiology 1991; **180:** 485

MRI detection of myocardial perfusion changes by gadolinium-DTPA infusion during dipyridamole hyperemia, Miller DD; Holmvang G; Gill JB; et al, Magn Res Med 1989; **10:** 246

MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD, JMRI 1991; **1:** 469

MR imaging of the breast: fast imaging sequences with and without Gd-DTPA. preliminary observations, Kaiser WA; Zeitler E, Radiology 1989; **170:** 681

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

MR-imaging with Gd-DTPA in carcinomas of tongue, oro- and hypopharynx, Einspieler R; Ebner F; Posawetz W; et al, Eur J Radiol 1991; **13:** 21

multicenter study of gadodiamide injection as a contrast agent in MR imaging of the brain and spine, Sze G; Brant-Zawadzki M; Haughton VM; Maravilla KR; McNamara MT; Kumar AJ; Aisen AM; Dreisbach JN; Bradley WG Jr; Weinreb JC; Drayer BP; Tsuruda JS; Hesselink JR; Johnson CE; Zimmerman RD; Weingast GR, Radiology 1991; **181:** 693

multiple sclerosis: histopathologic and MR and/or CT correlation in 37 cases at biopsy and three cases at autopsy, Nesbit GM; Forbes GS; Scheithauer BW; Okazaki H; Rodriguez M, Radiology 1991; **180:** 467

muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, Hanna SL; Fletcher BD; Parham DM; Bugg MF, JMRI 1991; **1:** 441

musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Fletcher BD; Hanna SL, Radiology 1990; **177:** 287

musculoskeletal neoplasms: dynamic Gd-DTPA–enhanced MR imaging: reply, Erlemann R, Radiology 1990; **177:** 288

musculoskeletal neoplasms: fast low-angle shot MR imaging with and without Gd-DTPA, Erlemann R; Vassallo P; Bongartz G; Müller-Miny H; Rummeny E; Stöber U; Peters PE, Radiology 1990; **176:** 489

musculoskeletal neoplasms: static and dynamic Gd-DTPA–enhanced MR imaging, Erlemann R; Reiser MF; Peters PE; Vasallo P; Nommensen B; Kusnierz-Glaz CR; Ritter J; Roessner A, Radiology 1989; **171:** 767

myocardial infarction: assessment with an intravascular MR contrast medium. work in progress, Saeed M; Wendland MF; Masui T; Connolly AJ; Derugin N; Brasch RC; Higgins CB, Radiology 1991; **180:** 153

myocardial infarct size after reperfusion therapy: assessment with Gd-DTPA–enchanced MR imaging, de Roos A; Matheijssen NAA; Doornbos J; van Dijkman PRM; van Voorthuisen AE; van der Wall EE, Radiology 1990; **176:** 517

myocutaneous flap failure: early detection with Gd-DTPA–enhanced MR imaging, Varnell RM; Flint PW; Dalley RW; Maravilla KR; Cummings CW; Shuman WP, Radiology 1989; **173:** 755

neoplastic vs inflammatory meningeal enhancement with Gd-DTPA, Phillips ME; Ryals TJ; Kambhu SA; et al, JCAT 1990; **14:** 536

neuroradiology: RSNA '88 meeting notes, Kieffer SA; Latchaw RE; Leeds NE; Modic MT; Naidich TP; Pressman BD; Segall HD; Smoker WRK; Tenner M; Williams AL; Zimmerman RD, Radiology 1989; **170:** 906

normal abdominal enhancement patterns with dynamic gadolinium-enhanced MR imaging, Mirowitz SA; Gutierrez E; Lee JKT; Brown JJ; Heiken JP, Radiology 1991; **180:** 637

normal and abnormal pituitary glands: gadopentetate dimeglumine–enhanced MR imaging, Sakamoto Y; Takahashi M; Korogi Y; Bussaka H; Ushio Y, Radiology 1991; **178:** 441

obstructive nephropathy: evaluation with dynamic Gd-DTPA–enhanced MR imaging, Semelka RC; Hricak H; Tomei E; Floth A; Stoller M, Radiology 1990; **175:** 797

occlusive and reperfused myocardial infarcts: MR imaging differentiation with nonionic Gd-DTPA-BMA, Masui T; Saeed M; Wendland MF; Higgins CB, Radiology 1991; **181:** 77

optimizing MR imaging of the abdomen: the case for rapid-acquisition spin-echo MR imaging, Mirowitz SA; Lee JKT, Radiology 1991; **179:** 612

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

ovarian lesions: detection and characterization with gadolinium-enhanced MR imaging at 1.5 T, Stevens SK; Hricak H; Stern JL, Radiology 1991; **181:** 481

parotid gland: plain and gadolinium-enhanced MR imaging, Vogl TJ; Dresel SHJ; Späth M; Grevers G; Wilimzig C; Schedel HK; Lissner J, Radiology 1990; **177:** 667

persistent and recurrent hyperparathyroidism: assessment with gadopentetate dimeglumine–enhanced MR imaging, Seelos KC; DeMarco R; Clark OH; Higgins CB, Radiology 1990; **177:** 373

phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; **1:** 47

phosphonate-modified GdDTPA complexes: II. evaluation in a rat myocardial infarct model, Adzamli IK; Johnson D; Blau M, Invest Radiol 1991; **26:** 143

pituitary adenoma: correlation of half-dose gadolinium-enhanced MR imaging with surgical findings in 26 patients, Davis PC; Gokhale KA; Joseph GJ; Peterman SB; Adams DA; Tindall GT; Hudgins PA; Hoffman JC Jr, Radiology 1991; **180:** 779

pituitary microadenomas: diagnosis with two- and three-dimensional MR imaging at 1.5 T before and after injection of gadolinium, Stadnik TW; Stevenaert A; Beckers A; Luypaert RR; Buisseret T; Osteaux M, Radiology 1990; **176:** 419

pituitary microadenomas: does gadolinium enhance their demonstration?, Macpherson P; Hadley DM; Teasdale E; et al, Neuroradiol 1989; **31:** 293

polymeric gastrointestinal MR contrast agents, Tilcock CP; Unger EC; Ahkong QF; Fritz T; Koenig SH; Brown RD III, JMRI 1991; **1:** 463

preclinical profile of Gd-BOPTA: a liver-specific MRI contrast agent, Vittadini G; Felder E; Musu C; et al, Invest Radiol 1990; **25:** S59

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

proton relaxation enhancement of albumin, immunoglobulin G, and fibrinogen labeled with Gd-DTPA, Paajanen H; Reisto T; Hemmilä I; et al, Magn Res Med 1990; **13:** 38

pruritus and paresthesia after IV administration of Gd-DTPA, Chan K; Bosanko CM; Wang A-M, AJNR 1989; **10:** S53

pseudolayering of Gd-DTPA in the urinary bladder, Elster AD; Sobol WT; Hinson WH, Radiology 1990; **174:** 379

radiologic screening for von Hippel-Lindau disease: the role of Gd-DTPA enhanced MR imaging of the CNS, Filling-Katz MR; Choyke PL; Patronas NJ; et al, JCAT 1989; **13:** 743

rapid-acquisition spin-echo MR imaging of the liver: a critical view, Mitchell DG, Radiology 1991; **179:** 609

renal lesion characterization with gadolinium-enhanced MR imaging: efficacy and safety in patients with renal insufficiency, Rofsky NM; Weinreb JC; Bosniak MA; Libes RB; Birnbaum BA, Radiology 1991; **180:** 85

renal masses: evaluation with gradient-echo Gd-DTPA–enhanced dynamic MR imaging, Eilenberg SS; Lee JKT; Brown JJ; Mirowitz SA; Tartar VM, Radiology 1990; **176:** 333

reperfused and nonreperfused myocardial infarction: diagnostic potential of Gd-DTPA–enhanced MR imaging, de Roos A; van Rossum AC; van der Wall EE; Postema S; Doornbos J; Matheijssen NAA; van Dijkman PRM; Visser FC; van Voorthuisen AE, Radiology 1989; **172:** 717

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

rheumatoid arthritis: evaluation of hypervascular and fibrous pannus with dynamic MR imaging enhanced with Gd-DTPA, König H; Sieper J; Wolf K-J, Radiology 1990; **176:** 473

role of gadolinium-DTPA in the evaluation of extracranial head and neck mass lesions, Crawford SC; Harnsberger HR; Lufkin RB; et al, Radiol Clin North Am 1989; **27:** 219

role of liposomes in diagnostics imaging, Seltzer SE, Radiology 1989; **171:** 19

safety assessment of gadopentetate dimeglumine in U.S. clinical trials, Goldstein HA; Kashanian FK; Blumetti RF; Holyoak WL; Hugo FP; Blumenfield DM, Radiology 1990; **174:** 17

sequential gadolinium-DTPA enhanced MRI studies in neuro-Behçet's disease, Kazui S; Naritomi H; Imakita S; et al, Neuroradiol 1991; **33:** 136

severe anaphylactoid reaction to Gd-DTPA, Lufkin RB, Radiology 1990; **176:** 879

small hepatocellular carcinoma and cavernous hemangioma: differentiation with dynamic FLASH MR imaging with Gd-DTPA, Yoshida H; Itai Y; Ohtomo K; Kokubo T; Minami M; Yashiro N, Radiology 1989; **171:** 339

spinal cord sarcoidosis: a new finding at MR imaging with Gd-DTPA enhancement, Nesbit GM; Miller GM; Baker HL Jr; Ebersold MJ; Scheithauer B, Radiology 1989; **173:** 839

spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Sze G; Bravo S; Krol G, Radiology 1989; **170:** 849

subtracted synthetic images in Gd-DTPA enhanced MR, Suto Y; Caner BE; Tamagawa Y; et al, JCAT 1989; **13:** 925

three-dimensional FLASH imaging: applications with gadolinium-DTPA, Ross JS; Masaryk TJ; Modic MT, JCAT 1989; **13:** 547

three-dimensional gadolinium-enhanced MR imaging of the breast: pulse sequence with fat suppression and magnetization transfer contrast. work in progress, Pierce WB; Harms SE; Flamig DP; Griffey RH; Evans WP; Hagans JE, Radiology 1991; **181:** 757

tolerance data of Gd-DTPA: a review, Niendorf HP; Dinger JC; Haustein J; et al, Eur J Radiol 1991; **13:** 15

urinary bladder neoplasms: evaluation with contrast-enhanced MR imaging, Neuerburg JM; Bohndorf K; Sohn M; Teufl F; Günther RW; Daus HJ, Radiology 1989; **172:** 739

use of gadolinium-enhanced MR imaging for differentiating mucoceles from neoplasms in the paranasal sinuses, Lanzieri CF; Shah M; Krauss D; Lavertu P, Radiology 1991; **178:** 425

use of Gd-DTPA and fast gradient-echo and spin-echo MR imaging to demonstrate renal function in the rabbit, Carvlin MJ; Arger PH; Kundel HL; Axel L; Dougherty L; Kassab EA; Moore B, Radiology 1989; **170:** 705

vascular mapping using albumin-(Gd-DTPA), an intravascular MR contrast agent, and projection MR imaging, Moseley ME; White DL; Wang S-c; et al, JCAT 1989; **13:** 215

Galactose

hysterosalpingo-contrast sonography of the uterus and fallopian tubes: results of a clinical trial of a new contrast medium in 120 patients, Schlief R; Deichert U, Radiology 1991; **178:** 213

Gallbladder

See also Bile ducts

acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL, Radiology 1989; **171:** 739

biliary tract: imaging for the 1990s, Burrell MI; Zeman RK; Simeone JF; et al, AJR 1991; **157:** 223

case report: subcutaneous herniation of gallbladder with spontaneous cholecystocutaneous fistula, Carragher AM; Jackson PR; Panesar KJS, Clin Radiol 1990; **42:** 283

diagnostic methods and pitfalls in the gallbladder, Turner MA, Semin Roentgenol 1991; **26:** 197

gallbladder: what if it's not stone disease?, Lichtenstein JE, Semin Roentgenol 1991; **26:** 209

gallstone characterization: the role of imaging, Baron RL, Semin Roentgenol 1991; **26:** 216

vicarious contrast material excretion in patients with acute unilateral ureteral obstruction, Dyer RB; Gilpin JW; Zagoria RJ; Chen MYM; Case LD, Radiology 1990; **177:** 739

Gallbladder, abnormalities

congenital gallbladder duplication: preoperative diagnosis by ultrasonography, Diaz MJ; Fowler W; Hnatow BJ, Gastrointest Radiol 1991; **16:** 198

gallbladder volvulus as a complication of percutaneous manipulation, Cave RK; Rose SC; Miller FJ, JVIR 1990; **1:** 117

left-sided gallbladder: an incidental finding on hepatobiliary scintigraphy, Banzo I; Carril JM; Arnal C; et al, Clin Nucl Med 1990; **15:** 358

morphologic and motility changes of the gallbladder in response to acute liver injury: a prospective real-time sonographic study in 255 patients with acute viral hepatitis, Giorgio A; Francica G; Amoroso P; et al, J Ultrasound Med 1989; **8:** 499

multiseptate gallbladder demonstrated on Tc-99m hepatobiliary imaging, Vasinrapee P; Linden K; Cook RE, Clin Nucl Med 1990; **15:** 272

multiseptate gallbladder in a child: incidental diagnosis on sonography, Adear H; Barki Y, Pediatr Radiol 1990; **20:** 192

scintigraphic evaluation of septated hypokinetic gallbladder in a teenager, Hardoff R; Hardoff D, Clin Nucl Med 1990; **15:** 117

torsion of the gallbladder: the ultrasonographic features, Yeh H-C; Weiss MF; Gerson CD, JCU 1989; **17:** 123

Gallbladder, calculi

abdominal-gastrointestinal radiology. RSNA '88 meeting notes, Moss AA; Balfe DM; Baron RL; Stanley RJ, Radiology 1989; **170:** 597

accuracy of sonography for determining the number and size of gallbladder stones before and after lithotripsy, Mathieson JR; So CB; Malone DE; et al, AJR 1989; **153:** 977

accuracy of ultrasound in counting and measuring gallstones, Bret PM; Cordovez-Stanziola R; Atri M; et al, Gastrointest Radiol 1991; **16:** 315

are multiple examinations of the gall-bladder helpful?, Birch PD; Cook JV; Fletcher CJ; et al, Clin Radiol 1989; **40:** 262

biliary complications of gallstone lithotripsy detected by Tc-99m DISIDA scintigraphy, St. George JK; Velchik MG, Clin Nucl Med 1991; **16:** 157

biliary extracorporeal shockwave lithotripsy, Rawat B; Burhenne HJ, Cardiovasc Intervent Radiol 1990; **13:** 258

biliary lithotripsy: 1989, Ferrucci JT, AJR 1989; **153:** 15

biliary lithotripsy: correlation between gallbladder contractility before treatment and the success of treatment, Donald JJ; Fache JS; Burhenne HJ, AJR 1991; **157:** 287

biliary lithotripsy: early observations in 106 patients. work in progress, Burhenne HJ; Becker CD; Malone DE; Rawat B; Fache JS, Radiology 1989; **171:** 363

biliary lithotripsy: in vitro analysis of gallstone fragmentation for equivalent stone volumes, Torres WE; Baumgartner BR; Jones MT; Nelson RC, Radiology 1990; **177:** 507

biliary lithotripsy team: the necessity for an interdisciplinary approach, Torres WE; Maglinte DDT; Steinberg HV, Radiology 1989; **171:** 73

can the newer interventional procedures replace cholecystectomy for cholecystolithiasis?, Burhenne HJ, Radiology 1989; **170:** 574

carcinoma of the gallbladder: a risk associated with gallbladder-preserving treatments for cholelithiasis, So CB; Gibney RG; Scudamore CH, Radiology 1990; **174:** 127

case report: ultrasound in the diagnosis of gallstone ileus, Davies RJ; Sandrasagra FA; Joseph AEA, Clin Radiol 1991; **43:** 282

cavitation effects during lithotripsy: part I. results of in vitro experiments, Zeman RK; Davros WJ; Garra BS; Horii SC, Radiology 1990; **177:** 157

cavitation effects during lithotripsy: part II. clinical observations, Zeman RK; Davros WJ; Goldberg JA; Garra BS; Hayes WS; Cattau EL Jr; Horii SC; Cooper CJ; Silverman PM, Radiology 1990; **177:** 163

chemical dissolution of gallstones: in vitro studies, Oldershaw JH; Epstein NF; Potter JE; Clouse ME, Radiology 1989; **172:** 987

cholelithiasis in a six-week-old asymptomatic neonate, Wagner LD; Weinberg B; Morrissey WJ; et al, JCU 1989; **17:** 692

coexisting nephrolithiasis and cholelithiasis in premature infants, Blickman JG; Herrin JT; Cleveland RH; et al, Pediatr Radiol 1991; **21:** 363

comet-tail artifact from cholesterol crystals: observations in the postlithotripsy gallbladder and an in vitro model, Shapiro RS; Winsberg F, Radiology 1990; **177:** 153

computed tomography evaluation of radiolucent gallstones in vivo, Janowitz P; Zöller A; Swobodnik W; et al, Gastrointest Radiol 1990; **15:** 58

cystic artery pseudoaneurysm: a rare cause of hemobilia, Strickland SK; Khoury MB; Kiproff PM; et al, Cardiovasc Intervent Radiol 1991; **14:** 183

densely calcified gallstone treated successfully with piezoelectric lithotripsy, (ab), Albert MB; Fromm H; Shehan CM, Radiology 1990; **176:** 587

diagnostic fine-needle puncture of the gallbladder, Herbetko J; Fache JS; Hoskins S; Hacking N; Dewbury KC, Radiology 1991; **180:** 586

diagnostic fine-needle puncture of the gallbladder with US guidance, Swobodnik W; Hagert N; Janowitz P; Wenk H, Radiology 1991; **178:** 755

dissolution of cholesterol gallstones using methyl tert-butyl ether, Williams HJ Jr; Bender CE; LeRoy AJ, Cardiovasc Intervent Radiol 1990; **13:** 272

does the gallbladder have a future?, Martin EC; Getrajdman GI, Radiology 1989; **170:** 969

early results of combined electrohydraulic shock-wave lithotripsy and oral litholytic therapy of gallbladder stones at the University of Iowa, (ab), Maher JW; Summers RW; Dean TR; et al, JVIR 1991; **2:** 299

experimental gallstone dissolution with methyl-tert-butyl ether (MTBE) and transcutaneous ultrasound energy, Griffith SL; Burney BT; Fry FJ; et al, Invest Radiol 1990; **25:** 146

experimental percutaneous gallstone lithotripsy: results in swine, Miller FJ; Kensey KR; Nash JE, Radiology 1989; **170:** 985

extracorporeal cholecystolithotripsy without oral chemolitholysis, Fache JS; Rawat B; Burhenne HJ, Radiology 1990; **177:** 719

extracorporeal shock-wave lithotripsy and methyl *tert*-butyl ether for partially calcified gallstones, (ab), Peine CJ; Petersen BT; Williams HJ; et al, Radiology 1990; **175:** 882

extracorporeal shock wave lithotripsy of calcified gallstones: work in progress, Rawat B; Burhenne HJ, Radiology 1990; **175:** 667

extracorporeal shock wave lithotripsy of gallbladder stones: a pessimistic view, Maglinte DDT; Graffis R; Jordan L; Chua GT; Johnson AC Jr; Crossin J, Radiology 1991; **178:** 29

extracorporeal shock wave lithotripsy of gall stones: an in vitro comparison between an electrohydraulic and a piezoceramic device, (ab), Schachler R; Bird NC; Sauerbruch T; et al, Radiology 1991; **180:** 884

extracorporeal shock wave lithotripsy of gallstones: results and 6-month follow-up in 141 patients, Torres WE; Steinberg HV; Davis RC; Baumgartner BR; Nelson RC; Casarella WJ, Radiology 1991; **178:** 509

gallbladder ablation: need for a better model, Hall RC; Inman BC; Chen TB; Sobat WS, Radiology 1989; **173:** 578

gallbladder ablation: need for a better model: reply, Burhenne HJ; Becker CD; Quenville NF, Radiology 1989; **173:** 579

gallbladder ablation through radiologic intervention: an experimental alternative to cholecystectomy, Becker CD; Quenville NF; Burhenne HJ, Radiology 1989; **171:** 235

gallbladder—intestinal fistula with stone impaction and radiogallium uptake, Levine GM; Hawkins HB; Cinti DC; et al, Clin Nucl Med 1991; **16:** 602

gallbladder perforation and bile leakage: percutaneous treatment, vanSonnenberg E; D'Agostino HB; Casola G; Hoyt DB; Lurie A; Varney RR, Radiology 1991; **178:** 687

gall-bladder stones: new roles for the radiologist, Lees WR; Kellett MJ, Clin Radiol 1989; **40:** 561

gallbladder volvulus as a complication of percutaneous manipulation, Cave RK; Rose SC; Miller FJ, JVIR 1990; **1:** 117

gallbladder: what if it's not stone disease?, Lichtenstein JE, Semin Roentgenol 1991; **26:** 209

gallstone breakthrough with lithotripsy?, Burhenne HJ, Invest Radiol 1990; **25:** 1149

gallstone composition in relation to buoyancy at oral cholecystography, Malet PF; Baker J; Kahn MJ; Soloway RD, Radiology 1990; **177:** 167

gallstone dissolution by methyl-tert-butyl ether (MTBE) via percutaneous transhepatic cholecystostomy, Choong M; Phillips GWL, Australas Radiol 1990; **34:** 339

gallstone dissolution in methyl *tert*-butyl ether after mechanical fragmentation: in vitro study, Lu DS; Ho C-S; Allen LC, AJR 1990; **155:** 67

gallstone dissolution in vitro using methyl *tert*-butyl ether: radiologic selection criteria, (ab), Nelson PE; Moyer TP; Thistle JL, Radiology 1990; **177:** 595

gall stone dissolution with methyl tert-butyl ether: how to avoid complications, (ab), Hellstern A; Leuschner M; Frenk H; et al, Radiology 1991; **178:** 587

gallstone extracorporeal shock-wave lithotripsy: time and treatment considerations, Nelson RC; Rowland GA; Torres WE; et al, AJR 1990; **154:** 291

gallstone fragmentation with contact electrohydraulic lithotripsy: in vitro study of physical and technical factors, Tung GA; Mueller PR; Brink JA; Saini S; Ferrucci JT, Radiology 1990; **174:** 781

gallstone lithotripsy: is there still cause for optimism?, Zeman RK; Al-Kawas F; Benjamin SB, Radiology 1991; **178:** 33

gallstone lithotripsy: relevant physical principles and technical issues, Davros WJ; Garra BS; Zeman RK, Radiology 1991; **178:** 397

gallstone recurrence after cholecystolithotomy, Gibney RG; Chow K; So CB; et al, AJR 1989; **153:** 287

gallstones: fragmentation with a tunable dye laser and dissolution with methyl tert-butyl ether in vitro, Faulkner DJ; Kozarek RA, Radiology 1989; **170:** 185

general case of the day, Zinkin EB; Brammer WM; Colombo CA, Radiographics 1990; **10:** 1108

imaging of the percutaneous cholecystostomy tract: observations and utility, D'Agostino HB; vanSonnenberg E; Sanchez RB; Goodacre BW; Casola G, Radiology 1991; **181:** 675

increased prevalence of cholelithiasis in patients with abdominal aortic aneurysm: sonographic evaluation, Schuster JJ; Raptopoulos V; Baker SP, AJR 1989; **152:** 509

intact stones or fragments? potential pitfalls in the imaging of patients after biliary extracorporeal shock wave lithotripsy, Khouri MR; Goldszmidt JB; Laufer I; Arger P; Marcus A; Wisniewski F; Okberg O; Malet PF, Radiology 1990; **177:** 147

intercostal pathway for biliary lithotripsy: an evaluation, Malone DE; Rawat B; Fache JS; Quenville NF; Burhenne HJ, Radiology 1990; **174:** 349

interventional radiologic alternatives to cholecystectomy, Malone DE, Radiol Clin North Am 1990; **28:** 1145

interventional radiology in the gallbladder: diagnosis, drainage, dissolution, and management of stones, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Ainge GD, Radiology 1990; **174:** 1

intervention for gallbladder disease, Miller FJ; Rose SC, Cardiovasc Intervent Radiol 1990; **13:** 264

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

in vitro cholesterol gallstone dissolution: comparison of methyl *tert*-butyl ether with three new ester solvents, Long CA; Teplick SK; Baker ML; Brandon JC, Radiology 1991; **180:** 47

in vitro dissolution of gallstones with MTBE: correlation with characteristics at CT and MR imaging, Baron RL; Kuyper SJ; Lee SP; Rohrmann CA Jr; Shuman WP; Nelson JA, Radiology 1989; **173:** 117

iodinated contrast medium as an aid to gallstone dissolution with methyl *tert*-butyl ether: in vitro study, Zhou J; Lee SH; Rawat B; Fache JS; Maciejewska U; Burhenne HJ, Radiology 1990; **175:** 479

large animal model (swine) to study the diagnosis and treatment of cholelithiasis, Griffith SL; Burney BT; Fry FJ; et al, Invest Radiol 1989; **24:** 110

medical dissolution of gallstones with bile salts, Malet PF, Semin Roentgenol 1991; **26:** 239

MR appearance of gallstones in vitro at 1.5 T: correlation with chemical composition, Baron RL; Shuman WP; Lee SP; et al, AJR 1989; **153:** 497

newer interventional procedures for treatment of cholecystolithiasis, Gleeson MJ; Griffith DP, Radiology 1989; **172:** 285

non-operative management of gallstones—a preliminary review, Jones SN; Lees WR; Garber S; et al, Clin Radiol 1989; **40:** 591

nonsurgical therapy of gallstones: implications for imaging, Simeone JF; Mueller PR; Ferrucci JT, AJR 1989; **152:** 11

novel nitinol basket instrument for percutaneous cholecystolithotomy, Cope C, AJR 1990; **155:** 515

optimal technique for detection of gallstones at injection cholecystography: in vitro analysis, Kammer B; Saini S; Brink JA; Knoefel WT; Ferrucci JT; Simeone JF; Mueller PR, Radiology 1991; **180:** 43

oral cholecystography in contemporary gallstone imaging: a review, Maglinte DDT; Torres WE; Laufer I, Radiology 1991; **178:** 49

pancreatic duct abnormalities in gall stone disease: an endoscopic retrograde cholangiopancreatographic study, (ab), Misra SP; Gulati P; Choudhary V; et al, Radiology 1991; **179:** 291

percutaneous cholecystolithotomy, Cope C, Semin Roentgenol 1991; **26:** 245

percutaneous cholecystolithotomy: preliminary experience and technical considerations, Picus D; Marx MV; Hicks ME; Lang EV; Edmundowicz SA, Radiology 1989; **173:** 487

percutaneous contact dissolution of gallstones: complexity of radiologic care, Mueller PR; Lee MJ; Saini S; Brink JA; Hahn PF; Dawson SL; Kammer B; Morrison MC; Shortsleeve M; Ferrucci JT, Radiographics 1991; **11:** 759

percutaneous dissolution of gallstones, vanSonnenberg E; D'Agostino HB; Hofmann AF; et al, Semin Roentgenol 1991; **26:** 251

percutaneous endoscopic cholecystolithotripsy: work in progress, Hruby W; Stackl W; Urban M; Armbruster C; Marberger M, Radiology 1989; **173:** 477

percutaneous extraction of gallstones in 20 patients, Cope C; Burke DR; Meranze SG, Radiology 1990; **176:** 19

percutaneous gallbladder intervention, Picus D, Radiology 1990; **176:** 5

percutaneous gallstone lithotripsy: results in acute and chronic swine models, Kensey KR; Michels M; Abrahams C; et al, Invest Radiol 1991; **26:** 454

percutaneous pulsed-dye laser lithotripsy of gallbladder stones in swine, Kopecky KK; Hawes RH; Bogan ML; et al, Invest Radiol 1990; **25:** 627

percutaneous rotational contact biliary lithotripsy: initial clinical results with the Kensey Nash lithotrite, Miller FJ; Rose SC; Buchi KN; Hunter JG; Nash JE; Kensey KR, Radiology 1991; **178:** 781

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

persistence of symptoms after gall bladder clearance with cholecystolithotripsy, (ab), Lee SH; Burhenne HJ, Radiology 1991; **181:** 610

phantom for facilitating in vitro computed tomographic studies of gallstones, Goodsitt MM; Baron RL, Invest Radiol 1991; **26:** 162

piezoelectric biliary lithotripsy: an in vitro study of factors affecting gallstone fragmentation, Schulte SJ; Baron RL, AJR 1990; **155:** 1211

piezoelectric lithotripsy: stone disintegration and follow-up results in patients with symptomatic gallbladder stones, (ab), Ell C; Kerzel W; Schneider HT; et al, JVIR 1991; **2:** 299

predicting gallstone composition with CT: in vivo and in vitro analysis, Brakel K; Laméris JS; Nijs HGT; Terpstra OT; Steen G; Blijenberg BC, Radiology 1990; **174:** 337

prenatal detection of gallstones, Abbitt PL; McIlhenny J, JCU 1990; **18:** 202

relationship between stone motion, targeting, and fragmentation during experimental biliary lithotripsy, Zeman RK; Davros WJ; Garra BS; Goldberg JA; Horii SC; Silverman PM; Cattau EL Jr; Hayes WS; Cooper CJ, Radiology 1990; **176:** 125

role of CT in characterizing gallstones: an unsettled issue, Baron RL, Radiology 1991; **178:** 635

routine sonographic techniques fail to quantify gallstone size and number: a retrospective study of 111 surgically proved cases, Brink JA; Simeone JF; Mueller PR; et al, AJR 1989; **153:** 503

shock-wave lithotripsy of gallstones, Paumgartner G, AJR 1989; **153:** 235

shock wave lithotripsy of gallstones: results and 12-month follow-up in 174 patients, Torres WE; Baumgartner BR; Nelson RC; Morris SJ, Radiology 1991; **179:** 699

simulation of gallstone fragments by cavitation bubbles during extracorporeal shock wave lithotripsy: physical basis and in vitro demonstration, Brink JA; Simeone JF; Saini S; Mueller PR; de Correia-Kamat MR; Malt RA; Staritz M; Delius M; Ferrucci JT, Radiology 1990; **174:** 787

stonebearing gallbladders: CT anatomy as the key to safe percutaneous lithotripsy. work in progress, Hruby W; Urban M; Stackl W; Armbruster C; Marberger M, Radiology 1989; **173:** 385

thermal ablation of the gallbladder, Coleman CC; Vennes JA; Posalaky IP; Amplatz K, Radiology 1991; **180:** 363

thin-layer chromatography to monitor cholesterol gallstone dissolution by methyl *tert*-butyl ether, D'Agostino HB; vanSonnenberg E; Schteingart CD; et al, AJR 1991; **157:** 33

ultrasonic evaluation of gallbladder function prior to non-surgical treatment of gallstones, Beswick JS; Hughes PM; Martin DF, Br J Radiol 1991; **64:** 321

use of CT for predicting gallstone composition: a dissenting view, Brink JA; Ferrucci JT, Radiology 1991; **178:** 633

visibility of gallstone fragments at US and fluoroscopy: implications for monitoring gallstone lithotripsy, Garra BS; Davros WJ; Lack EE; Horii SC; Silverman PM; Zeman RK, Radiology 1990; **174:** 343

Gallbladder, chemical therapy

chemical dissolution of gallstones: in vitro studies, Oldershaw JH; Epstein NF; Potter JE; Clouse ME, Radiology 1989; **172:** 987

chemical sclerosis of the gallbladder: an experimental study in pigs of the effect of absolute ethanol and polidocanol on gallbladder epithelium, Uchiyama N; Stridbeck H; Stenram U, Acta Radiol 1989; **30:** 427

extracorporeal shock wave lithotripsy of gallbladder stones: a pessimistic view, Maglinte DDT; Graffis R; Jordan L; Chua GT; Johnson AC Jr; Crossin J, Radiology 1991; **178:** 29

gallstone lithotripsy: is there still cause for optimism?, Zeman RK; Al-Kawas F; Benjamin SB, Radiology 1991; **178:** 33

gallstones: fragmentation with a tunable dye laser and dissolution with methyl tert-butyl ether in vitro, Faulkner DJ; Kozarek RA, Radiology 1989; **170:** 185

interventional radiology in the gallbladder: diagnosis, drainage, dissolution, and management of stones, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Ainge GD, Radiology 1990; **174:** 1

in vitro cholesterol gallstone dissolution: comparison of methyl *tert*-butyl ether with three new ester solvents, Long CA; Teplick SK; Baker ML; Brandon JC, Radiology 1991; **180:** 47

iodinated contrast medium as an aid to gallstone dissolution with methyl *tert*-butyl ether: in vitro study, Zhou J; Lee SH; Rawat B; Fache JS; Maciejewska U; Burhenne HJ, Radiology 1990; **175:** 479

percutaneous contact dissolution of gallstones: complexity of radiologic care, Mueller PR; Lee MJ; Saini S; Brink JA; Hahn PF; Dawson SL; Kammer B; Morrison MC; Shortsleeve M; Ferrucci JT, Radiographics 1991; **11:** 759

Gallbladder, CT

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; **176:** 15

biliary malignancies occurring in choledochal cysts, Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A, Radiology 1989; **173:** 389

case report—CT findings in adenomyomatosis of the gallbladder, Clouston JE; Thorpe RJ, Australas Radiol 1991; **35:** 86

chemical dissolution of gallstones: in vitro studies, Oldershaw JH; Epstein NF; Potter JE; Clouse ME, Radiology 1989; **172:** 987

computed tomography as an adjunct to ultrasound in the diagnosis of acute acalculous cholecystitis, Blankenberg F; Wirth R; Jeffrey RB Jr; et al, Gastrointest Radiol 1991; **16:** 149

computed tomography evaluation of high-density bile in the gallbladder, Ueda J; Kobayashi Y; Nishida T, Gastrointest Radiol 1990; **15:** 22

computed tomography evaluation of radiolucent gallstones in vivo, Janowitz P; Zöller A; Swobodnik W; et al, Gastrointest Radiol 1990; **15:** 58

CT demonstration of calcifying sludge balls, Feuerstein IM; Shawker TH; Savarese DMF, JCAT 1990; **14:** 325

gallbladder varices: imaging findings in patients with portal hypertension, West MS; Garra BS; Horii SC; Hayes WS; Cooper C; Silverman PM; Zeman RK, Radiology 1991; **179:** 179

phantom for facilitating in vitro computed tomographic studies of gallstones, Goodsitt MM; Baron RL, Invest Radiol 1991; **26:** 162

primary carcinoma of the gallbladder: a pictorial essay, Lane J; Buck JL; Zeman RK, Radiographics 1989; **9:** 209

stonebearing gallbladders: CT anatomy as the key to safe percutaneous lithotripsy. work in progress, Hruby W; Urban M; Stackl W; Armbruster C; Marberger M, Radiology 1989; **173:** 385

Gallbladder, cysts

mesothelial cyst of the gallbladder, Hoffman CJ; Hales ED; Malachowski ME; et al, JCU 1989; **17:** 50

Gallbladder, diseases

ablation of the cystic duct and gallbladder: clinical observations, Becker CD; Fache JS; Malone DE; Stoller JL; Burhenne HJ, Radiology 1990; **176:** 687

case report—CT findings in adenomyomatosis of the gallbladder, Clouston JE; Thorpe RJ, Australas Radiol 1991; **35:** 86

cholecystokinin enhanced hepatobiliary scanning with ejection fraction calculation as an indicator of disease of the gallbladder, (ab), Zech ER; Simmons LB; Kendrick RR; et al, Radiology 1991; **180:** 588

CT and ultrasound of gallbladder adenomyomatosis mimicking carcinoma, Gerard PS; Berman D; Zafaranloo S, JCAT 1990; **14:** 490

morphine-augmented hepatobiliary scintigraphy in the severely ill: caution is in order, Fig LM; Wahl RL; Stewart RE; Shapiro B, Radiology 1990; **175:** 467

radiologically visible gallbladder calcification due to schistosomiasis, Fataar S; Bassiony H; Satyanath S; et al, Br J Radiol 1990; **63:** 706

sonographic pattern of gallbladder disease in children with sickle cell anaemia, Nzeh DA; Adedoyin MA, Pediatr Radiol 1989; **19:** 290

thermal ablation of the gallbladder, Coleman CC; Vennes JA; Posalaky IP; Amplatz K, Radiology 1991; **180:** 363

Gallbladder, function

altered gallbladder contractility after extracorporeal shock-wave cholecystolithotripsy, Rawat B; Fache JS; Burhenne HJ, AJR 1991; **157:** 485

biliary tract motility and its relationship to clinical disorders, Dodds WJ, AJR 1990; **155:** 247

delayed biliary-to-bowel transit in chilescintigraphy after cholecystokinin treatment, Kim CK; Palestro CJ; Solomon RW; Molinari DS; Lee SO; Goldsmith SJ, Radiology 1990; **176:** 553

gallbladder contractility in patients with spinal cord injuries: a sonographic investigation, Nino-Murcia M; Burton D; Chang PJ; et al, AJR 1990; **154:** 521

motor function of the gallbladder: measurement and clinical significance, Brugge WR, Semin Roentgenol 1991; **26:** 226

simultaneous measurement of gallbaldder emptying with cholescintigraphy and US during infusion of physiologic doses of cholecystokinin: a comparison, Masclee AAM; Hopman WPM; Corstens FHM; Rosenbusch G; Jansen JBMJ; Lamers CBHW, Radiology 1989; **173:** 407

ultrasonic evaluation of gallbladder function prior to non-surgical treatment of gallstones, Beswick JS; Hughes PM; Martin DF, Br J Radiol 1991; **64:** 321

Gallbladder, inflammation

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Gallbladder, interventional procedure

abdominal-gastrointestinal radiology. RSNA '88 meeting notes, Moss AA; Balfe DM; Baron RL; Stanley RJ, Radiology 1989; **170:** 597

abdominal-gastrointestinal radiology. RSNA '89 meeting notes, Balfe DM; Koehler RE; Lichtenstein JE, Radiology 1990; **174:** 602

abdominal-gastrointestinal radiology: RSNA '90 meeting notes, Balfe DM; Chezmar J; Koehler RE; Lichtenstein JE; Nelson R, Radiology 1991; **178:** 911

ablation of the cystic duct and gallbladder: clinical observations, Becker CD; Fache JS; Malone DE; Stoller JL; Burhenne HJ, Radiology 1990; **176:** 687

ablation of the cystic duct and the gallbladder: experimental basis and initial clinical observations, Becker CD; Burhenne HJ, Radiol Clin North Am 1990; **28:** 1277

ascending cholangitis: surgery versus endoscopic or percutaneous drainage, (ab), Himal HS; Lindsay T, JVIR 1991; **2:** 299

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; **176:** 15

biliary intervention via minicholecystostomy, Hamilton S; Leahy AL; Darzi A; et al, Clin Radiol 1990; **42:** 418

biliary lithotripsy: early observations in 106 patients. work in progress, Burhenne HJ; Becker CD; Malone DE; Rawat B; Fache JS, Radiology 1989; **171:** 363

biliary lithotripsy: in vitro analysis of gallstone fragmentation for equivalent stone volumes, Torres WE; Baumgartner BR; Jones MT; Nelson RC, Radiology 1990; **177:** 507

biliary lithotripsy team: the necessity for an interdisciplinary approach, Torres WE; Maglinte DDT; Steinberg HV, Radiology 1989; **171:** 73

can the newer interventional procedures replace cholecystectomy for cholecystolithiasis?, Burhenne HJ, Radiology 1989; **170:** 574

carcinoma of the gallbladder: a risk associated with gallbladder-preserving treatments for cholelithiasis, So CB; Gibney RG; Scudamore CH, Radiology 1990; **174:** 127

catheter for endoluminal bipolar electrocoagulation, Becker CD; Jameson M; Fache JS; Burhenne HJ, Radiology 1989; **170:** 561

cavitation effects during lithotripsy: part I. results of in vitro experiments, Zeman RK; Davros WJ; Garra BS; Horii SC, Radiology 1990; **177:** 157

cavitation effects during lithotripsy: part II. clinical observations, Zeman RK; Davros WJ; Goldberg JA; Garra BS; Hayes WS; Cattau EL Jr; Horii SC; Cooper CJ; Silverman PM, Radiology 1990; **177:** 163

diagnostic and therapeutic interventional gallbladder procedures, Teplick SK, AJR 1989; **152:** 913

diagnostic fine-needle puncture of the gallbladder, Herbetko J; Fache JS; Hoskins S; Hacking N; Dewbury KC, Radiology 1991; **180:** 586

diagnostic fine-needle puncture of the gallbladder with US guidance, Swobodnik W; Hagert N; Janowitz P; Wenk H, Radiology 1991; **178:** 755

does the gallbladder have a future?, Martin EC; Getrajdman GI, Radiology 1989; **170:** 969

experimental percutaneous gallstone lithotripsy: results in swine, Miller FJ; Kensey KR; Nash JE, Radiology 1989; **170:** 985

extracorporeal cholecystolithotripsy without oral chemolitholysis, Fache JS; Rawat B; Burhenne HJ, Radiology 1990; **177:** 719

extracorporeal shock wave lithotripsy of gallbladder stones: a pessimistic view, Maglinte DDT; Graffis R; Jordan L; Chua GT; Johnson AC Jr; Crossin J, Radiology 1991; **178:** 29

gallbladder ablation: need for a better model, Hall RC; Inman BC; Chen TB; Sobat WS, Radiology 1989; **173:** 578

gallbladder ablation: need for a better model: reply, Burhenne HJ; Becker CD; Quenville NF, Radiology 1989; **173:** 579

gallbladder ablation through radiologic intervention: an experimental alternative to cholecystectomy, Becker CD; Quenville NF; Burhenne HJ, Radiology 1989; **171:** 235

gallbladder perforation and bile leakage: percutaneous treatment, vanSonnenberg E; D'Agostino HB; Casola G; Hoyt DB; Lurie A; Varney RR, Radiology 1991; **178:** 687

gallstone fragmentation with contact electrohydraulic lithotripsy: in vitro study of physical and technical factors, Tung GA; Mueller PR; Brink JA; Saini S; Ferrucci JT, Radiology 1990; **174:** 781

gallstone lithotripsy: is there still cause for optimism?, Zeman RK; Al-Kawas F; Benjamin SB, Radiology 1991; **178:** 33

gallstone recurrence after cholecystolithotomy, Gibney RG; Chow K; So CB; et al, AJR 1989; **153:** 287

gallstones: fragmentation with a tunable dye laser and dissolution with methyl tert-butyl ether in vitro, Faulkner DJ; Kozarek RA, Radiology 1989; **170:** 185

imaging of the percutaneous cholecystostomy tract: observations and utility, D'Agostino HB; vanSonnenberg E; Sanchez RB; Goodacre BW; Casola G, Radiology 1991; **181:** 675

intercostal pathway for biliary lithotripsy: an evaluation, Malone DE; Rawat B; Fache JS; Quenville NF; Burhenne HJ, Radiology 1990; **174:** 349

interventional gallbladder procedures, vanSonnenberg E; D'Agostino HB; Casola G, Radiol Clin North Am 1990; **28:** 1185

interventional radiologic alternatives to cholecystectomy, Malone DE, Radiol Clin North Am 1990; **28:** 1145

interventional radiology in the gallbladder, vanSonnenberg E; Casola G; Varney RR; Zakko SF; Wittich GR; Cox J; Hofmann AF, Radiographics 1989; **9:** 39

interventional radiology in the gallbladder: diagnosis, drainage, dissolution, and management of stones, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Ainge GD, Radiology 1990; **174:** 1

intervention for gallbladder disease, Miller FJ; Rose SC, Cardiovasc Intervent Radiol 1990; **13:** 264

in vitro cholesterol gallstone dissolution: comparison of methyl *tert*-butyl ether with three new ester solvents, Long CA; Teplick SK; Baker ML; Brandon JC, Radiology 1991; **180:** 47

iodinated contrast medium as an aid to gallstone dissolution with methyl *tert*-butyl ether: in vitro study, Zhou J; Lee SH; Rawat B; Fache JS; Maciejewska U; Burhenne HJ, Radiology 1990; **175:** 479

newer interventional procedures for treatment of cholecystolithiasis, Gleeson MJ; Griffith DP, Radiology 1989; **172:** 285

novel nitinol basket instrument for percutaneous cholecystolithotomy, Cope C, AJR 1990; **155:** 515

percutaneous ablation of the cystic duct and the gallbladder: experimental and early clinical results, Becker CD; Burhenne HJ, Semin Roentgenol 1991; **26:** 259

percutaneous cholecystolithotomy, Cope C, Semin Roentgenol 1991; **26:** 245

percutaneous cholecystolithotomy: preliminary experience and technical considerations, Picus D; Marx MV; Hicks ME; Lang EV; Edmundowicz SA, Radiology 1989; **173:** 487

percutaneous cholecystolithotomy with endoscopic lithotripsy by using a pulsed-dye laser: preliminary experience, Bogan ML; Hawes RH; Kopecky KK; et al, AJR 1990; **155:** 781

percutaneous cholecystostomy: an alternative to surgical cholecystostomy for acute cholecystitis?, McGahan JP; Lindfors KK, Radiology 1989; **173:** 481

percutaneous cholecystostomy drainage for the treatment of acute emphysematous cholecystitis, Vingan HL; Wohlgemuth SD; Bell JS III, AJR 1990; **155:** 1013

percutaneous cholecystostomy in critically ill patients, Teplick SK; Harshfield DL; Brandon JC; et al, Gastrointest Radiol 1991; **16:** 154

percutaneous cholecystostomy in the diagnosis and treatment of acute cholecystitis in the high-risk patient, (ab), Werbel GB; Nahrwold DL; Joehl RJ; et al, Radiology 1990; **175:** 587

percutaneous contact dissolution of gallstones: complexity of radiologic care, Mueller PR; Lee MJ; Saini S; Brink JA; Hahn PF; Dawson SL; Kammer B; Morrison MC; Shortsleeve M; Ferrucci JT, Radiographics 1991; **11:** 759

percutaneous dissolution of gallstones, vanSonnenberg E; D'Agostino HB; Hofmann AF; et al, Semin Roentgenol 1991; **26:** 251

percutaneous endoscopic cholecystolithotripsy: work in progress, Hruby W; Stackl W; Urban M; Armbruster C; Marberger M, Radiology 1989; **173:** 477

percutaneous extraction of gallstones in 20 patients, Cope C; Burke DR; Meranze SG, Radiology 1990; **176:** 19

percutaneous gallbladder intervention, Picus D, Radiology 1990; **176:** 5

percutaneous interventional gallbladder procedures: personal experience and literature review, Teplick SK; Brandon JC; Wolferth CC; et al, Gastrointest Radiol 1990; **15:** 133

percutaneous rotational contact biliary lithotripsy: initial clinical results with the Kensey Nash lithotrite, Miller FJ; Rose SC; Buchi KN; Hunter JG; Nash JE; Kensey KR, Radiology 1991; **178:** 781

percutaneous transhepatic cholangiography and biliary decompression: invasive, diagnostic, and therapeutic procedures with too high a price?, (ab), Sirinek KR; Levine BA, Radiology 1990; **174:** 898

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

placement of a metallic biliary endoprosthesis via cholecystostomy, Dawson SL; Girard MJ; Saini S; et al, AJR 1991; **157:** 491

porcine model for the development of interventional techniques in the gallbladder, Sullivan KL; Gadacz TR; Mitchell SE; et al, Invest Radiol 1989; **24:** 754

relationship between stone motion, targeting, and fragmentation during experimental biliary lithotripsy, Zeman RK; Davros WJ; Garra BS; Goldberg JA; Horii SC; Silverman PM; Cattau EL Jr; Hayes WS; Cooper CJ, Radiology 1990; **176:** 125

role of interventional radiology for complications of cholecystectomy, (ab), vanSonnenberg E; Casola G; Wittich GR; et al, Radiology 1990; **177:** 890

shock wave lithotripsy of gallstones: results and 12-month follow-up in 174 patients, Torres WE; Baumgartner BR; Nelson RC; Morris SJ, Radiology 1991; **179:** 699

simulation of gallstone fragments by cavitation bubbles during extracorporeal shock wave lithotripsy: physical basis and in vitro demonstration, Brink JA; Simeone JF; Saini S; Mueller PR; de Correia-Kamat MR; Malt RA; Staritz M; Delius M; Ferrucci JT, Radiology 1990; **174:** 787

stonebearing gallbladders: CT anatomy as the key to safe percutaneous lithotripsy. work in progress, Hruby W; Urban M; Stackl W; Armbruster C; Marberger M, Radiology 1989; **173:** 385

thermal ablation of the gallbladder, Coleman CC; Vennes JA; Posalaky IP; Amplatz K, Radiology 1991; **180:** 363

transcholecystic intervention, Fache JS, Radiol Clin North Am 1990; **28:** 1157

treatment of critically ill patients with sepsis of unknown cause: value of percutaneous cholecystostomy, Lee MJ; Saini S; Brink JA; et al, AJR 1991; **156:** 1163

US-guided fine-needle aspiration biopsy of gallbladder masses, Zargar SA; Khuroo MS; Mahajan R; Jan GM; Shah P, Radiology 1991; **179:** 275

Gallbladder, lithotripsy

See Lithotripsy

Gallbladder, MR

gallbladder carcinoma: evaluation with MR imaging, Sagoh T; Itoh K; Togashi K; Shibata T; Minami S; Noma S; Yamashita K; Nishimura K; Asato R; Mori K; Nishikawa T; Nakano Y; Konishi J, Radiology 1990; **174:** 131

gallbladder varices: imaging findings in patients with portal hypertension, West MS; Garra BS; Horii SC; Hayes WS; Cooper C; Silverman PM; Zeman RK, Radiology 1991; **179:** 179

MR appearance of gallstones in vitro at 1.5 T: correlation with chemical composition, Baron RL; Shuman WP; Lee SP; et al, AJR 1989; **153:** 497

Gallbladder, neoplasms

biliary malignancies occurring in choledochal cysts, Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A, Radiology 1989; **173:** 389

carcinoma of the gallbladder: a risk associated with gallbladder-preserving treatments for cholelithiasis, So CB; Gibney RG; Scudamore CH, Radiology 1990; **174:** 127

color Doppler sonography in gallbladder carcinoma, Suminski N; Johnson MB; Ralls PW, JCU 1991; **19:** 183

early carcinoma of the gallbladder: macroscopic features and US findings, Tsuchiya Y, Radiology 1991; **179:** 171

endoscopic US in diagnosis of the extent of gallbladder carcinoma, (ab), Mitake M; Nakazawa S; Naitoh Y; et al, JVIR 1991; **2:** 419

gallbladder carcinoma: evaluation with MR imaging, Sagoh T; Itoh K; Togashi K; Shibata T; Minami S; Noma S; Yamashita K; Nishimura K; Asato R; Mori K; Nishikawa T; Nakano Y; Konishi J, Radiology 1990; **174:** 131

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

late solitary abdominal wall metastasis from an incidental carcinoma of the gallbladder: ultrasound demonstration, Kumar A; MacGregor JH; Aggarwal S; et al, JCU 1991; **19:** 380

metallic endoprostheses: boon or bust?, Mueller PR, Radiology 1991; **179:** 603

primary carcinoma of the gallbladder: a pictorial essay, Lane J; Buck JL; Zeman RK, Radiographics 1989; **9:** 209

primary gallbladder carcinoma: imaging findings in 50 patients with pathologic correlation, Franquet T; Montes M; Ruiz de Azua Y; et al, Gastrointest Radiol 1991; **16:** 143

ultrasonographic diagnosis of melanoma metastases in liver, gallbladder, and spleen, Stutte H; Müller PH; d'Hoedt B; et al, J Ultrasound Med 1989; **8:** 541

ultrasonographic difficulties and pitfalls in diagnosing primary carcinoma of the gallbladder, Kuo Y-C; Liu J-Y; Sheen I-S; et al, JCU 1990; **18:** 639

ultrasonography of carcinoma of the gallbladder: an analysis of 80 cases, Kumar A; Aggarwal S; Berry M; et al, JCU 1990; **18:** 715

US-guided fine-needle aspiration biopsy of gallbladder masses, Zargar SA; Khuroo MS; Mahajan R; Jan GM; Shah P, Radiology 1991; **179:** 275

Gallbladder, percutaneous drainage

See Gallbladder, interventional procedure

Gallbladder, perforation

gallbladder perforation and bile leakage: percutaneous treatment, vanSonnenberg E; D'Agostino HB; Casola G; Hoyt DB; Lurie A; Varney RR, Radiology 1991; **178:** 687

gallbladder perforation during liver biopsy diagnosed using hepatobiliary scintigraphy: a case report, Dennison KG; Khoury D; Heironimus JD, Clin Nucl Med 1990; **15:** 95

gallbladder perforation seen on hepatobiliary imaging following morphine sulfate injection, Moreno AJ; Ortenzo CA; Rodriguez AA; et al, Clin Nucl Med 1990; **14:** 651

gallbladder perforation with intrahepatic abscess formation, Chen J-J; Lin H-H; Chiu C-T; et al, JCU 1990; **18:** 43

hepatobiliary and gallium imaging findings in gallbladder perforation: a case report and review of the literature, Yeo E; Chen DCP; Siegel ME, Clin Nucl Med 1989; **14:** 77

ultrasound diagnosis of gallbladder perforation in a case of xanthogranulomatous cholecystitis, Houston JP; Sampson MA; Collins MC, Br J Radiol 1989; **62:** 273

unusual presentation of perforation of the gallbladder, Stephenson CA; Atkinson G; Ball TI, Pediatr Radiol 1991; **21:** 358

Gallbladder, radiography

imaging the gallbladder: a historical perspective, Feld R; Kurtz AB; Zeman RK, AJR 1991; **156:** 737

nonvisualized gallbladder on oral cholecystography: implications for lithotripsy, Wong K; Ekberg O; Laufer I; et al, Gastrointest Radiol 1990; **15:** 126

optimal technique for detection of gallstones at injection cholecystography: in vitro analysis, Kammer B; Saini S; Brink JA; Knoefel WT; Ferrucci JT; Simeone JF; Mueller PR, Radiology 1991; **180:** 43

oral cholecystography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Srivastava DN; Kulshrestha A; Gujral RB; et al, Gastrointest Radiol 1991; **16:** 49

oral cholecystography in contemporary gallstone imaging: a review, Maglinte DDT; Torres WE; Laufer I, Radiology 1991; **178:** 49

value of ultrasound in predicting non-visualization of the gall-bladder on OCG: implications for imaging strategies in patient selection for non-surgical therapy of gallstones, Brakel K; Laméris JS; Nijs HGT; et al, Clin Radiol 1991; **43:** 186

Gallbladder, radionuclide studies

asymmetric gallbladder contraction following cholecystokinin hepatobiliary imaging, Atkins HL; Oster ZH, Clin Nucl Med 1989; **14:** 82

augmented cholescintigraphy: its role in detecting acute and chronic disorders of the hepatobiliary tree, Fink-Bennett D, Semin Nucl Med 1991; **21:** 128

bronchobiliary fistula detected by cholescintigraphy, Velchik MG; Roth GM; Wegener W; et al, J Nucl Med 1991; **32:** 136

cholecystokinin cholescintigraphy: detection of abnormal gallbladder motor function in patients with chronic acalculous gallbladder disease, Fink-Bennett D; DeRidder P; Kolozsi WZ; et al, J Nucl Med 1991; **32:** 1695

cholescintigraphic demonstration of biliary fistula and of normalization after choledochoduodenostomy and correction of common bile duct obstruction, Shih W-J; Magoun S, Clin Nucl Med 1991; **16:** 599

cholescintigraphy for acute cholecystitis: false positive results caused by chronic cholecystitis, Klingensmith WC III; Turner WM, Gastrointest Radiol 1990; **15:** 129

cholescintigraphy for assessing the separation potential of thoracoomphalopagus twins, Oddo SM; Ziessman HA, Clin Nucl Med 1990; **15:** 243

cholescintigraphy in AIDS-related cholangitis: a case report, Kolin E; Mena IG, Clin Nucl Med 1990; **14:** 725

delayed biliary-to-bowel transit in chilescintigraphy after cholecystokinin treatment, Kim CK; Palestro CJ; Solomon RW; Molinari DS; Lee SO; Goldsmith SJ, Radiology 1990; **176:** 553

delayed visualization of the gallbladder with a rim sign: an unusual finding in chronic cholecystitis, Lowry PA; Tran HD, Clin Nucl Med 1991; **16:** 1

diagnosis of acute cholecystitis by cholescintigraphy: significance of pericholecystic hepatic uptake, Swayne LC; Ginsberg HN, AJR 1989; **152:** 1211

diagnosis of acute complicated cholecystitis by Tc-99m sulfur colloid liver imaging, Weisgrau RA; Guiberteau MJ, Clin Nucl Med 1990; **15:** 240

diagnostic values of gallbladder hyperperfusion and the rim sign in radionuclide angiography and hepatobiliary imaging, Aburano T; Yokoyama K; Taniguchi M; et al, Gastrointest Radiol 1990; **15:** 229

enterogastric reflux demonstrated by radionuclide hepatobiliary scintigraphy, Shih W-J; Fockele DS, Semin Nucl Med 1990; **20:** 367

gallbladder emptying in diabetic patients and control subjects assessed by real-time ultrasonography and cholescintigraphy: a methodological comparison, Krönert K; Götz V; Reuland P; et al, Ultrasound Med Biol 1989; **15:** 535

gallbladder—intestinal fistula with stone impaction and radiogallium uptake, Levine GM; Hawkins HB; Cinti DC; et al, Clin Nucl Med 1991; **16:** 602

gallbladder perforation seen on hepatobiliary imaging following morphine sulfate injection, Moreno AJ; Ortenzo CA; Rodriguez AA; et al, Clin Nucl Med 1990; **14:** 651

hepatobiliary and gallium imaging findings in gallbladder perforation: a case report and review of the literature, Yeo E; Chen DCP; Siegel ME, Clin Nucl Med 1989; **14:** 77

imaging the gallbladder: a historical perspective, Feld R; Kurtz AB; Zeman RK, AJR 1991; **156:** 737

indium-111-leukocyte imaging in acute cholecystitis, Fink-Bennett D; Clarke K; Tsai D; et al, J Nucl Med 1991; **32:** 803

interventional cholescintigraphy: when and with which agent?, Podoloff DA, Radiology 1990; **176:** 317

intestinal obstruction diagnosed by cholescintigraphy, Crotty J; Gupta SM, Clin Nucl Med 1990; **15:** 870

left-sided gallbladder: an incidental finding on hepatobiliary scintigraphy, Banzo I; Carril JM; Arnal C; et al, Clin Nucl Med 1990; **15:** 358

morphine-augmented cholescintigraphy in acute cholecystitis: a satisfactory alternative to delayed imaging, Kistler AM; Ziessman HA; Gooch D; et al, Clin Nucl Med 1991; **16:** 404

morphine-augmented cholescintigraphy: its efficacy in detecting acute colecystitis, Fink-Bennett D; Balon HR; Robbins T; et al, J Nucl Med 1991; **32:** 1231

morphine-augmented hepatobiliary scintigraphy in the severely ill: caution is in order, Fig LM; Wahl RL; Stewart RE; Shapiro B, Radiology 1990; **175:** 467

multiseptate gallbladder demonstrated on Tc-99m hepatobiliary imaging, Vasinrapee P; Linden K; Cook RE, Clin Nucl Med 1990; **15:** 272

pericholecystic hepatic activity in a postcholecystectomy patient, Swayne LC; Ginsberg HN, Clin Nucl Med 1989; **14:** 382

porcelain gallbladder affecting the assessment of bone mineral content, Roland J; Pouliart C; Raeman F; et al, Clin Nucl Med 1990; **15:** 701

reflux sign in cholescintigraphy after administration of a gallbladder contracting agent, Itoh H; Murase K; Hamamoto K, J Nucl Med 1989; **30:** 1192

scintigraphic evaluation of septated hypokinetic gallbladder in a teenager, Hardoff R; Hardoff D, Clin Nucl Med 1990; **15:** 117

simultaneous measurement of gallbaldder emptying with cholescintigraphy and US during infusion of physiologic doses of cholecystokinin: a comparison, Masclee AAM; Hopman WPM; Corstens FHM; Rosenbusch G; Jansen JBMJ; Lamers CBHW, Radiology 1989; **173:** 407

standing views to differentiate gallbladder or bile leak from duodenal activity on cholescintigrams, Lette J; Morin M; Heyen F; et al, Clin Nucl Med 1990; **15:** 231

transient nonvisualizaton of gallbladder in an asphyxiated neonate, Sujov P; Herschkowitz S; Jerushalmi J, Clin Nucl Med 1990; **15:** 50

two false-negative results using morphine sulfate in hepatobiliary imaging, Mack JM; Slavin JD; Spencer RP, Clin Nucl Med 1989; **14:** 87

use of CCK cholescintigraphy to differentiate choledochal cyst from gallbladder, Grossman SA; Patel BA; Blend MJ, Clin Nucl Med 1991; **16:** 226

Gallbladder, surgery

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; **176:** 15

can the newer interventional procedures replace cholecystectomy for cholecystolithiasis?, Burhenne HJ, Radiology 1989; **170:** 574

extracorporeal shock wave lithotripsy of gallbladder stones: a pessimistic view, Maglinte DDT; Graffis R; Jordan L; Chua GT; Johnson AC Jr; Crossin J, Radiology 1991; **178:** 29

gallstone lithotripsy: is there still cause for optimism?, Zeman RK; Al-Kawas F; Benjamin SB, Radiology 1991; **178:** 33

iatrogenic biliary tract complications: radiologic features and clinical significance, Ghahremani G; Crampton AR; Bernstein JR; Caprini JA, Radiographics 1991; **11:** 441

laparoscopic cholecystectomy, Strasberg SM; Clavien P-A; Sanabria JR, Semin Roentgenol 1991; **26:** 232

laparoscopic cholecystectomy: evaluation with sonography, Kang EH; Middleton WD; Balfe DM; Soper NJ, Radiology 1991; **181:** 439

laparoscopic cholecystectomy: evolution, early results, and impact on nonsurgical gallstone therapies, Brandon JC; Velez MA; Teplick SK; et al, AJR 1991; **157:** 235

newer interventional procedures for treatment of cholecystolithiasis, Gleeson MJ; Griffith DP, Radiology 1989; **172:** 285

percutaneous cholecystolithotomy: preliminary experience and technical considerations, Picus D; Marx MV; Hicks ME; Lang EV; Edmundowicz SA, Radiology 1989; **173:** 487

percutaneous extraction of gallstones in 20 patients, Cope C; Burke DR; Meranze SG, Radiology 1990; **176:** 19

percutaneous transcatheter occlusion of cystic duct stump in postcholecystectomy bile leakage, Berger H; Weinzierl M; Neville E-S; et al, Gastrointest Radiol 1989; **14:** 334

prospective analysis of 1,518 laparoscopic cholecystectomies, (ab), Southern Surgeons Club The, JVIR 1991; **2:** 418

role of interventional radiology for complications of cholecystectomy, (ab), vanSonnenberg E; Casola G; Wittich GR; et al, Radiology 1990; **177:** 890

scintigraphic detection of bile leakage after cholecystectomy, Chak SP; Gupta SM, Clin Nucl Med 1990; **15:** 116

surgeon's perspective on laparoscopic cholecystectomy, Easter DW, AJR 1991; **157:** 241

vanishing elective cholecystectomy: trends and their consequences, (ab), Diettrich NA; Cacioppo JC; Davis RP, Radiology 1989; **170:** 287

Gallbladder, US

accuracy of sonography for determining the number and size of gallbladder stones before and after lithotripsy, Mathieson JR; So CB; Malone DE; et al, AJR 1989; **153:** 977

accuracy of ultrasound in counting and measuring gallstones, Bret PM; Cordovez-Stanziola R; Atri M; et al, Gastrointest Radiol 1991; **16:** 315

acoustic artifacts and reverberation shadows in gallbladder sonograms: their cause and clinical implications, Franquet T; Bescos JM; Barberena J; et al, Gastrointest Radiol 1990; **15:** 223

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; **176:** 15

biliary malignancies occurring in choledochal cysts, Yoshida H; Itai Y; Minami M; Kokubo T; Ohtomo K; Kuroda A, Radiology 1989; **173:** 389

cholecystokinin sonography: lack of utility in diagnosis of acute acalculous cholecystitis, Raduns K; McGahan JP; Beal S, Radiology 1990; **175:** 463

clinical importance of a thickwalled, tender gall-bladder without stones on ultrasonography, Ekberg O; Weiber S, Clin Radiol 1991; **44:** 38

color-coded Doppler evaluation of cholecystic varices in portal hypertension, Kainberger FM; Vergesslich KA; Eilenberger M; et al, Pediatr Radiol 1990; **21:** 71

color Doppler sonography in gallbladder carcinoma, Suminski N; Johnson MB; Ralls PW, JCU 1991; **19:** 183

comet-tail artifact from cholesterol crystals: observations in the postlithotripsy gallbladder and an in vitro model, Shapiro RS; Winsberg F, Radiology 1990; **177:** 153

computed tomography as an adjunct to ultrasound in the diagnosis of acute acalculous cholecystitis, Blankenberg F; Wirth R; Jeffrey RB Jr; et al, Gastrointest Radiol 1991; **16:** 149

congenital gallbladder duplication: preoperative diagnosis by ultrasonography, Diaz MJ; Fowler W; Hnatow BJ, Gastrointest Radiol 1991; **16:** 198

early carcinoma of the gallbladder: macroscopic features and US findings, Tsuchiya Y, Radiology 1991; **179:** 171

endoscopic US in diagnosis of the extent of gallbladder carcinoma, (ab), Mitake M; Nakazawa S; Naitoh Y; et al, JVIR 1991; **2:** 419

extracorporeal cholecystolithotripsy without oral chemolitholysis, Fache JS; Rawat B; Burhenne HJ, Radiology 1990; **177:** 719

extracorporeal shock wave lithotripsy of calcified gallstones: work in progress, Rawat B; Burhenne HJ, Radiology 1990; **175:** 667

extracorporeal shock wave lithotripsy of gallstones: results and 6-month follow-up in 141 patients, Torres WE; Steinberg HV; Davis RC; Baumgartner BR; Nelson RC; Casarella WJ, Radiology 1991; **178:** 509

gallbladder emptying in diabetic patients and control subjects assessed by real-time ultrasonography and cholescintigraphy: a methodological comparison, Krönert K; Götz V; Reuland P; et al, Ultrasound Med Biol 1989; **15:** 535

gallbladder varices: imaging findings in patients with portal hypertension, West MS; Garra BS; Horii SC; Hayes WS; Cooper C; Silverman PM; Zeman RK, Radiology 1991; **179:** 179

gallbladder volume and contraction measured by sum-of-cylinders method compared with ellipsoid and area-length methods, Stolk MFJ; van Erpecum KJ; van Berge Henegouwen GP; et al, Acta Radiol 1990; **31:** 591

imaging the gallbladder: a historical perspective, Feld R; Kurtz AB; Zeman RK, AJR 1991; **156:** 737

intact stones or fragments? potential pitfalls in the imaging of patients after biliary extracorporeal shock wave lithotripsy, Khouri MR; Goldszmidt JB; Laufer I; Arger P; Marcus A; Wisniewski F; Okberg O; Malet PF, Radiology 1990; **177:** 147

late solitary abdominal wall metastasis from an incidental carcinoma of the gallbladder: ultrasound demonstration, Kumar A; MacGregor JH; Aggarwal S; et al, JCU 1991; **19:** 380

morphologic and motility changes of the gallbladder in response to acute liver injury: a prospective real-time sonographic study in 255 patients with acute viral hepatitis, Giorgio A; Francica G; Amoroso P; et al, J Ultrasound Med 1989; **8:** 499

oral cholecystography in contemporary gallstone imaging: a review, Maglinte DDT; Torres WE; Laufer I, Radiology 1991; **178:** 49

percutaneous extraction of gallstones in 20 patients, Cope C; Burke DR; Meranze SG, Radiology 1990; **176:** 19

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

pericholecystic abscess: classification of US findings to determine the proper therapy, Takada T; Yasuda H; Uchiyama K; Hasegawa H; Asagoe T; Shikata J, Radiology 1989; **172:** 693

pericholecystic hyperechogenicities in necrotizing enterocolitis: a specific sonographic sign, Avni EF; Rypens F; Cohen E; et al, Pediatr Radiol 1991; **21:** 179

primary carcinoma of the gallbladder: a pictorial essay, Lane J; Buck JL; Zeman RK, Radiographics 1989; **9:** 209

routine sonographic techniques fail to quantify gallstone size and number: a retrospective study of 111 surgically proved cases, Brink JA; Simeone JF; Mueller PR; et al, AJR 1989; **153:** 503

simultaneous measurement of gallbaldder emptying with cholescintigraphy and US during infusion of physiologic doses of cholecystokinin: a comparison, Masclee AAM; Hopman WPM; Corstens FHM; Rosenbusch G; Jansen JBMJ; Lamers CBHW, Radiology 1989; **173:** 407

sonographic diagnosis of acute gangrenous cholecystitis: importance of the Murphy sign, Simeone JF; Brink JA; Mueller PR; et al, AJR 1989; **152:** 289

sonographic evaluation of gallbladder kinetics: in vitro and in vivo comparison of different methods to assess gallbladder emptying, Wedmann B; Schmidt G; Wegener M; et al, JCU 1991; **19:** 341

sonographic pattern of gallbladder disease in children with sickle cell anaemia, Nzeh DA; Adedoyin MA, Pediatr Radiol 1989; **19:** 290

sonographic relationship between gallbladder wall thickness and the etiology of ascites, Marti-Bonmati L; Andres JC; Aguado C, JCU 1989; **17:** 497

sonography of the gallbladder: significance of striated (layered) thickening of the gallbladder wall, Teefey SA; Baron RL; Bigler SA, AJR 1991; **156:** 945

thickening of the gallbladder wall in ascites, Colli A; Cocciolo M; Buccino G; et al, JCU 1991; **19:** 357

torsion of the gallbladder: the ultrasonographic features, Yeh H-C; Weiss MF; Gerson CD, JCU 1989; **17:** 123

ultrasonic demonstration of an intraluminal pseudomembrane in the gallbladder: a definitive sign of acute cholecystitis?, Le Cheong L; Khan AN; Armstrong GR, JCU 1989; **17:** 449

ultrasonic evaluation of gallbladder function prior to non-surgical treatment of gallstones, Beswick JS; Hughes PM; Martin DF, Br J Radiol 1991; **64:** 321

ultrasonographic difficulties and pitfalls in diagnosing primary carcinoma of the gallbladder, Kuo Y-C; Liu J-Y; Sheen I-S; et al, JCU 1990; **18:** 639

ultrasonography of carcinoma of the gallbladder: an analysis of 80 cases, Kumar A; Aggarwal S; Berry M; et al, JCU 1990; **18:** 715

ultrasonography of the gallbladder in acute pancreatitis, Soiva M, Acta Radiol 1989; **30:** 403

ultrasound diagnosis of gallbladder papilloma in childhood, Sirinelli D; Vanthournout I; Robert M; et al, Pediatr Radiol 1989; **19:** 203

ultrasound diagnosis of gallbladder perforation in a case of xanthogranulomatous cholecystitis, Houston JP; Sampson MA; Collins MC, Br J Radiol 1989; **62:** 273

utility of sonographic gallbladder wall patterns in differentiating malignant from cirrhotic ascites, Huang Y-S; Lee S-D; Wu J-C; et al, JCU 1989; **17:** 187

value of ultrasound in predicting non-visualization of the gall-bladder on OCG: implications for imaging strategies in patient selection for non-surgical therapy of gallstones, Brakel K; Laméris JS; Nijs HGT; et al, Clin Radiol 1991; **43:** 186

Gallbladder, varices
color-coded Doppler evaluation of cholecystic varices in portal hypertension, Kainberger FM; Vergesslich KA; Eilenberger M; et al, Pediatr Radiol 1990; **21:** 71
gallbladder varices: imaging findings in patients with portal hypertension, West MS; Garra BS; Horii SC; Hayes WS; Cooper C; Silverman PM; Zeman RK, Radiology 1991; **179:** 179

Gallbladder, wall thickening
early carcinoma of the gallbladder: macroscopic features and US findings, Tsuchiya Y, Radiology 1991; **179:** 171
gallbladder wall thickening (congestive cholecystopathy) in chronic liver disease: a sign of portal hypertension, Saverymuttu SH; Grammatopoulos A; Meanock CI; et al, Br J Radiol 1990; **63:** 922
gallbladder wall thickening in acute pyelonephritis, Talarico HP; Rubens D, JCU 1990; **18:** 653
sonographic relationship between gallbladder wall thickness and the etiology of ascites, Marti-Bonmati L; Andres JC; Aguado C, JCU 1989; **17:** 497
sonography of the gallbladder: significance of striated (layered) thickening of the gallbladder wall, Teefey SA; Baron RL; Bigler SA, AJR 1991; **156:** 945
thickening of the gallbladder wall in ascites, Colli A; Cocciolo M; Buccino G; et al, JCU 1991; **19:** 357
US-guided fine-needle aspiration biopsy of gallbladder masses, Zargar SA; Khuroo MS; Mahajan R; Jan GM; Shah P, Radiology 1991; **179:** 275
utility of sonographic gallbladder wall patterns in differentiating malignant from cirrhotic ascites, Huang Y-S; Lee S-D; Wu J-C; et al, JCU 1989; **17:** 187

Gallium, radioactive
altered biodistribution of Ga-67 by intramuscular gold salts, Moult RG; Bekerman C, Clin Nucl Med 1989; **14:** 831
approach for immunoradiometric assay with metallic radionuclides: gallium-67-deferoxamine-dialdehyde starch-IgG, Furukawa T; Fujibayashi Y; Fukunaga M; et al, J Nucl Med 1991; **32:** 825
comparison of iron-59, indium-111, and gallium-69 transferrin as a macromolecular tracer of vascular permeability and the transferrin receptor, Otsuki H; Brunetti A; Owens ES; et al, J Nucl Med 1989; **30:** 1676
detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989; **170:** 677
diagnostic implicatons of Ga-67 chest-scan patterns in human immunodeficiency virus–seropositive patients, Kramer EL; Sanger JJ; Garay SM; Grossman RJ; Tiu S; Banner H, Radiology 1989; **170:** 671
diagnostic significance of apparent abnormal bowel activity on Ga-67 scans in AIDS patients, Slizofski WJ; Brown SJ; Dadparvar S; et al, Clin Nucl Med 1991; **16:** 473
effect of bicarbonate on stability of the gallium-transferrin complex, Staker BL; Graham MM; Evans ML, J Nucl Med 1991; **32:** 1439
Ga-67 SPECT before and after treatment of lymphoma, Front D; Israel O; Epelbaum R; Haim SB; Sapir EE; Jerushalmi J; Kolodny GM; Robinson E, Radiology 1990; **175:** 515
gallium-67-citrate imaging in the detection of focal lesions for anemia, proteinuria, and prolonged fever, Misaki T; Dokoh S; Yagi K; et al, J Nucl Med 1990; **31:** 512
gallium lung scanning and bronchoalveolar lavage in crocidolite-exposed workers, (ab), Hayes AA; Mullan B; Lovegrove FT; et al, Radiology 1990; **174:** 290
lymphoma of the mediastinum and neck: evaluation with Ga-67 imaging and CT correlation, Drossman SR; Schiff RG; Kronfeld GD; McNamara J; Leonidas JC, Radiology 1990; **174:** 171
new myocardial imaging agent: synthesis, characterization, and biodistribution of gallium-68-BAT-TECH, Kung HF; Liu BL; Mankoff D; et al, J Nucl Med 1990; **31:** 1635
orbital pseudotumor imaged with Ga-67 citrate, Jaikishen P; Bateman JL; Shreeve WW, Clin Nucl Med 1989; **14:** 838
primary Ewing sarcoma: follow-up with Ga-67 scintigraphy, Estes DN; Magill HL; Thompson EI; Hayes FA, Radiology 1990; **177:** 449
pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA, Radiology 1991; **180:** 409
residual mass and negative gallium scintigraphy in treated lymphoma, Israel O; Front D; Epelbaum R; et al, J Nucl Med 1990; **31:** 365
technetium-99m HM-PAO-labeled leukocytes in detection of inflammatory lesions: comparison with gallium-67 citrate, Vorne M; Soini I; Lantto T; et al, J Nucl Med 1989; **30:** 1332
two cases of adenocarcinoma of the lung in which thallium-201 gave a better delineation of metastatic lesions than gallium-67, Togawa T; Yui N; Koakutsu M; et al, Clin Nucl Med 1989; **14:** 197
uptake of gallium in the mediastinum, Chandramouly BS; Scagnelli T; Burgess CK, Semin Nucl Med 1989; **19:** 247
utility of gallium imaging of the kidneys in diagnosing primary amyloid nephrotic syndrome, Gertz MA; Brown ML; Hauser MF; et al, J Nucl Med 1990; **31:** 292

Gallstones
See Gallbladder, calculi

Gamma globulins
antiphospholipid antibodies and stroke, DeWitt LD; Caplan LR, AJNR 1991; **12:** 454
metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147
MR findings in primary antiphospholipid syndrome, Pulpeiro JR; Cortés JA; Macarrón J; et al, AJNR 1991; **12:** 452
polyclonal human immunoglubulin G labeled with polymeric iron oxide: antibody MR imaging, Weissleder R; Lee AS; Fischman AJ; Reimer P; Shen T; Wilkinson R; Callahan RJ; Brady TJ, Radiology 1991; **181:** 245

Ganglion
case report 677, Garcia A; Hodler J; Vaughn L; et al, Skeletal Radiol 1991; **20:** 373
juxtaacetabular ganglionic (or synovial) cysts: CT and MR features, Haller J; Resnick D; Greenway G; et al, JCAT 1989; **13:** 976
symptomatic intraspinal ganglion cyst of the nerve root sheath, Hemmati M; Thomas C; Patel DV, AJNR 1989; **10:** S100

Gangrene
acute gangrenous cholecystitis due to metastatic melanoma detected by cholescintigraphy, Velchik MG, Clin Nucl Med 1989; **14:** 327
sonographic diagnosis of acute gangrenous cholecystitis: importance of the Murphy sign, Simeone JF; Brink JA; Mueller PR; et al, AJR 1989; **152:** 289
subcutaneous emphysema of the lower extremity of abdominal origin, Jager GJ; Rijssen HV; Lamers JJH, Gastrointest Radiol 1990; **15:** 253

Gardner syndrome
imaging of intra- and extraabdominal desmoid tumors, Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G, Radiographics 1991; **11:** 959

Gastric ulcer
See Peptic ulcer

Gastrinoma
See Pancreas, neoplasms

Gastritis
atrophic gastritis in pernicious anemia: diagnosis by double-contrast radiography, Levine MS; Palman CL; Rubesin SE; et al, Gastrointest Radiol 1989; **14:** 215
barium studies in diffuse eosinophilic gastroenteritis, MacCarty RL; Talley NJ, Gastrointest Radiol 1990; **15:** 183
campylobacter gastritis simulating Menetrier's disease by upper gastrointestinal radiography, Chaloupka JC; Gay BB Jr; Caplan D, Pediatr Radiol 1990; **20:** 200
CT of emphysematous gastritis, Williamson MR; Shah HR; Harper RR; et al, Comput Med Imag Graph 1989; **13:** 175
detection of gastric erosions: comparison of biphasic radiography with fiberoptic endoscopy, Shaw PC; van Romunde LKJ; Griffioen G; Janssens AR; Kreuning J; Lamers CBHW, Radiology 1991; **178:** 63
enlarged gastric folds in association with *Campylobacter pylori* gastritis, Morrison S; Dahms BB; Hoffenberg E; Czinn SJ, Radiology 1989; **171:** 819
eosinophilic cystitis and coexistent eosinophilic gastroenteritis in an infant, Peterson NE; Silverman A; Campbell JB, Pediatr Radiol 1989; **19:** 484
ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Reed EC; Wolford JL; Kopecky KJ; et al, Radiology 1990; **177:** 296
ganciclovir for the treatment of cytomegalovirus gastroenteritis in bone marrow transplant patients: a randomized, placebo-controlled trial, (ab), Reed EC; Wolford JL; Kopecky KJ; et al, Radiology 1990; **177:** 595
Helicobacter pylori gastritis mimicking gastric carcinoma at CT evaluation, Urban BA; Fishman EK; Hruban RH, Radiology 1991; **179:** 689
indium-111 WBC detection of emphysematous gastritis in pancreatitis, Caruana V; Swayne LC; Salaki JS, J Nucl Med 1990; **31:** 112
Ménétrier's disease with lymphocytic gastritis: an unusual association with possible pathogenic implications, (ab), Haot J; Bogomoletz WV; Jouret A; et al, Radiology 1991; **181:** 290
polypoid Menetrier's disease associated with acromegaly, Chang PJ; Nino-Murcia M; Kosek J, Gastrointest Radiol 1990; **15:** 61
quantification of *Helicobacter pylori* infection in gastritis and ulcer disease using a simple and rapid carbon-14-urea breath test, Debongnie JC; Pauwels S; Raat A; et al, J Nucl Med 1991; **32:** 1192
radiologic and endoscopic investigation and etiologic classification of gastritis in children, Manson DE; Stringer DA; Durie PR; et al, J Canad Assoc Radiol 1990; **41:** 201
scirrhous carcinoma of the stomach versus hypertrophic gastritis: findings at endoscopic US, Fujishima H; Misawa T; Chijiiwa Y; Maruoka A; Akahoshi K; Nawata H, Radiology 1991; **181:** 197

Gastroesophageal reflux
See Esophagus, reflux

Gastrointestinal tract
See also Stomach; Duodenum; Colon; Intestines; etc.
gastrointestinal radiology from the time of Walter B. Cannon to the 21st century, Margulis AR; Eisenberg RL, Radiology 1991; **178:** 297
neuroendocrine system of the gut, Sundler F; Böttcher G; Ekblad E; et al, Acta Oncol 1989; **28:** 303
radiologic history exhibit: brief history of gastrointestinal radiology, Eisenberg RL; Margulis AR, Radiographics 1991; **11:** 121
side effects of water-soluble contrast agents in upper gastrointestinal tract, Gmeinwieser J; Erhardt W; Reimann HJ; et al, Invest Radiol 1990; **25:** S27

Gastrointestinal tract, abnormalities
acute cholecystitis in a patient with situs inversus, Moreno AJ; Toney MAO; Henry CD; et al, Clin Nucl Med 1990; **15:** 350
intraabdominal adhesions: intraoperative US, Suslavich FJ; Turner NA; King PS; Brown HK, Radiology 1989; **172:** 387
radiographic manifestations of anomalies of the gastrointestinal tract, Bender TM; Ledesma-Medina J; Oh KS, Radiol Clin North Am 1991; **29:** 335

Gastrointestinal tract, angiography
angiography is useful in detecting the source of chronic gastrointestinal bleeding of obscure origin, Rollins ES; Picus D; Hicks ME; et al, AJR 1991; **156:** 385
bleeding marginal ulcers: angiographic evaluation, Oglevie SB; Smith DC; Mera SS, Radiology 1990; **174:** 943
CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375
Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; **174:** 937
tube tamponade: potential pitfall in angiography of arterial hemorrhage associated with percutaneous drainage catheters, Routh WD; Tatum CM; Lawdahl RB; Rösch J; Keller FS, Radiology 1990; **174:** 945
Gastrointestinal tract, CT
abdominal-gastrointestinal radiology. RSNA '89 meeting notes, Balfe DM; Koehler RE; Lichtenstein JE, Radiology 1990; **174:** 602
abdominal-gastrointestinal radiology: RSNA '90 meeting notes, Balfe DM; Chezmar J; Koehler RE; Lichtenstein JE; Nelson R, Radiology 1991; **178:** 911
acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL, Radiology 1989; **171:** 739
complications of radiation therapy: CT evaluation, Bluemke DA; Fishman EK; Kuhlman JE; Zinreich ES, Radiographics 1991; **11:** 581
CT evaluation of wall thickening in the alimentary tract, Desai RK; Tagliabue JR; Wegryn SA; Einstein DM, Radiographics 1991; **11:** 771
CT evaluation of wall thickening in the alimentary tract: invited commentary, Johnson CD, Radiographics 1991; **11:** 784
CT of acute gastrointestinal disorders, Nemcek AA Jr, Radiol Clin North Am 1989; **27:** 773
CT of the gastrointestinal tract: principles and interpretation, Balthazar EJ, AJR 1991; **156:** 23
diagnostic pitfalls in abdominal CT, Shirkhoda A, Radiographics 1991; **11:** 969
first clinical trial of a new superparamagnetic iron oxide for use as an oral gastrointestinal contrast agent in MR imaging, Hahn PF; Stark DD; Lewis JM; Saini S; Elizondo G; Weissleder R; Fretz CJ; Ferrucci JT, Radiology 1990; **175:** 695
imaging insights: perienteric changes—signs and significance in abdominal CT, (ab), Megibow AJ, Radiology 1991; **178:** 896
peptic ulcer disease: CT evaluation, Jacobs JM; Hill MC; Steinberg WM, Radiology 1991; **178:** 745
Gastrointestinal tract, diseases
CT evaluation of wall thickening in the alimentary tract, Desai RK; Tagliabue JR; Wegryn SA; Einstein DM, Radiographics 1991; **11:** 771
CT evaluation of wall thickening in the alimentary tract: invited commentary, Johnson CD, Radiographics 1991; **11:** 784
gastrointestinal complications of pancreatitis, Safrit HD; Rice RP, Radiol Clin North Am 1989; **27:** 73
gastrointestinal sarcoidosis: radiographic findings, Levine MS; Ekberg O; Rubesin SE; et al, AJR 1989; **153:** 293
indium-111 transferrin imaging for the diagnosis of protein-losing enteropathy, Aburano T; Yokoyama K; Kinuya S; et al, Clin Nucl Med 1990; **14:** 681
systemic mast cell disease: analysis of 58 cases and literature review, (ab), Travis WD; Li C-Y; Bergstralh EJ; et al, Radiology 1989; **172:** 591
US of the gastrointestinal tract, Carroll BA, Radiology 1989; **172:** 605
Gastrointestinal tract, endoscopy
See Endoscopy
Gastrointestinal tract, hemorrhage
acute gastrointestinal hemorrhage detected by selective scintigraphic angiography, St. George JK; Pollak JS, J Nucl Med 1991; **32:** 1601
angiodysplasia associated with Meckel's diverticulum: case report, Katz MD; Teitelbaum GP, Cardiovasc Intervent Radiol 1991; **14:** 188
angiography is useful in detecting the source of chronic gastrointestinal bleeding of obscure origin, Rollins ES; Picus D; Hicks ME; et al, AJR 1991; **156:** 385
bleeding marginal ulcers: angiographic evaluation, Oglevie SB; Smith DC; Mera SS, Radiology 1990; **174:** 943
case report: an unusual angiogram in a patient with gastrointestinal bleeding, Sackier JM; Dawson P; Allison D; et al, Clin Radiol 1990; **41:** 425
case report: jejunal vascular malformation in Klippel-Trenaunay syndrome, Brown R; Ohri SK; Ghosh P; et al, Clin Radiol 1991; **44:** 134
delayed positive gastrointestinal bleeding studies with technetium-99m-red blood cells: utility of a second injection, Jacobson AF, J Nucl Med 1991; **32:** 330
Dieulafoy disease: a real entity?, Palmaz JC; Waltman AC, Radiology 1990; **174:** 942
Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; **174:** 937
double-contrast hypotonic duodenography after enteroclysis, Zalev AH; McLennan MK, J Canad Assoc Radiol 1991; **42:** 141
endoscopic hemostasis: an effective therapy for bleeding peptic ulcers, (ab), Sacks HS; Chalmers TC; Blum AL; et al, JVIR 1990; **1:** 139
evaluation and management of massive lower gastrointestinal hemorrhage, (ab), Leitman IM; Paull DE; Shires GT III, Radiology 1989; **173:** 585
flexible sigmoidoscopy plus air contrast barium enema versus colonoscopy for suspected lower gastrointestinal bleeding, (ab), Rex DK; Weddle RA; Lehman GA; et al, Radiology 1990; **177:** 594
gastrointestinal tract hemorrhage: the value of a nasogastric aspirate, (ab), Cuellar RE; Gavaler JS; Alexander JA; et al, Radiology 1991; **178:** 290
heat probe thermocoagulation as a substitute for surgical intervention to arrest massive peptic ulcer hemorrhage: an experience in 153 cases, (ab), Lin H-J; Lee F-Y; Chan C-Y; et al, JVIR 1990; **1:** 139
imaging insights: scintigraphy of GI bleeding, (ab), Alderson PO, Radiology 1991; **180:** 882
nonsteroidal anti-inflammatory drug use and death from peptic ulcer in elderly persons, (ab), Griffin MR; Ray WA; Schaffner W, Radiology 1989; **171:** 585
percutaneous feeding gastrostomy with the Seldinger technique: review of 252 patients, Halkier BK; Ho C-S; Yee ACN, Radiology 1989; **171:** 359
pitfalls of a ^{99m}Tc-RBC bleeding study due to gallbladder and ileal-loop visualization, Abello R; Haynie TP; Kim EE, Gastrointest Radiol 1991; **16:** 32
scintigraphic demonstration of gastrointestinal bleeding due to mesenteric varices, Hansen ME; Coleman RE, Clin Nucl Med 1990; **15:** 488
stomal varices: percutaneous transhepatic embolization, Samaraweera RN; Feldman L; Widrich WC; Waltman A; Steinberg F; Greenfield A; Srinivasan M; Robbins AH; Johnson WC, Radiology 1989; **170:** 779
technetium-99m RBC bleeding images in normal subjects: confusion with gastrointestinal bleeding sites, Boyd CM; Williamson MR, Clin Nucl Med 1989; **14:** 202
tube tamponade: potential pitfall in angiography of arterial hemorrhage associated with percutaneous drainage catheters, Routh WD; Tatum CM; Lawdahl RB; Rösch J; Keller FS, Radiology 1990; **174:** 945
uterine doughnut: potential pitfall for technetium-99m gastrointestinal bleeding study, Swayne LC, Clin Nucl Med 1990; **14:** 759
vascular parenchymal sources of upper gastrointestinal bleeding, Savastano S; Feltrin GP; Miotto D; et al, Acta Radiol 1989; **30:** 39
Gastrointestinal tract, infection
AIDS enteropathy: occult enteric infections and duodenal mucosal alterations in chronic diarrhea, (ab), Greenson JK; Belitsos PC; Yardley JH; et al, Radiology 1991; **180:** 882
cytomegalovirus infection masquerading as colonic neoplasia, Lewis-Jones HG; Ward RG; Garvey C, Br J Radiol 1990; **63:** 573
percutaneous feeding gastrostomy with the Seldinger technique: review of 252 patients, Halkier BK; Ho C-S; Yee ACN, Radiology 1989; **171:** 359
salmonellosis mimicking abdominal lymphoma in a young boy, Mahmoud H; Magill L; Pui C-H, Pediatr Radiol 1990; **20:** 193
Gastrointestinal tract, inflammation
gonadal vein thrombosis in patients with acute gastrointestinal inflammation: diagnosis with CT, Jain KA; Jeffrey RB Jr, Radiology 1991; **180:** 111
Gastrointestinal tract, interventional procedure
abdominal-gastrointestinal radiology. RSNA '88 meeting notes, Moss AA; Balfe DM; Baron RL; Stanley RJ, Radiology 1989; **170:** 597
air enema for diagnosis and reduction of intussusception: clinical experience and pressure correlates, Shiels WE II; Maves CK; Hedlund GL; Kirks DR, Radiology 1991; **181:** 169
esophageal strictures: balloon dilation, Cohen ME; Goldberg RI; Barkin JS, Radiology 1989; **171:** 285
esophageal strictures: balloon dilation: reply, Castaneda-Zuniga WR, Radiology 1989; **171:** 285
internalized double-J catheter for percutaneous transgastric cystogastrostomy, Sacks BA; Greenberg JJ; Porter DH; et al, AJR 1989; **152:** 523
intussusception: hydrostatic pressure equivalents for barium and meglumine sodium diatrizoate, Kuta AJ; Benator RM, Radiology 1990; **175:** 125
metallic foreign bodies in the stomach: fluoroscopic removal with a magnetic orogastric tube, Paulson EK; Jaffe RB, Radiology 1990; **174:** 191
pediatric interventional procedures in the 1980s: a period of development, growth, and acceptance, Towbin RB, Radiology 1989; **170:** 1081
percutaneous drainage and feeding gastrostomies in 100 patients, O'Keeffe FN; Carrasco CH; Charnsangavej C; Richli WR; Wallace S; Freedman RS, Radiology 1989; **172:** 341
percutaneous enterostomy with the Cope suture anchor, Coleman CC; Coons HG; Cope C; Derauf BJ; Krenzel C; Epstein DH; Schlam BW; Castaneda F; Hough JP; Moradian GP, Radiology 1990; **174:** 889
percutaneous feeding gastrostomy with the Seldinger technique: review of 252 patients, Halkier BK; Ho C-S; Yee ACN, Radiology 1989; **171:** 359
physiological and pharmacological interventions in radionuclide imaging of the tubular gastrointestinal tract, Datz FL; Christian PE; Hutson WR; et al, Semin Nucl Med 1991; **21:** 140
postoperative abscesses with enteric communication: percutaneous treatment, Lambiase RE; Cronan JJ; Dorfman GS; Paolella LP; Haas RA, Radiology 1989; **171:** 497
shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, McLean GK; LeVeen RF, Radiology 1989; **172:** 983
shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage, Lindahl H; Rintala R, Radiology 1990; **175:** 879
shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage: reply, McLean GK; LeVeen RF, Radiology 1990; **175:** 879
translumbar duodenostomy for enteral feeding, Koolpe HA; Dorfman D; Kramer M, AJR 1989; **153:** 299
tube tamponade: potential pitfall in angiography of arterial hemorrhage associated with percutaneous drainage catheters, Routh WD; Tatum CM; Lawdahl RB; Rösch J; Keller FS, Radiology 1990; **174:** 945

Gastrointestinal tract, MR

abdominal-gastrointestinal radiology: RSNA '90 meeting notes, Balfe DM; Chezmar J; Koehler RE; Lichtenstein JE; Nelson R, Radiology 1991; **178:** 911

first clinical trial of a new superparamagnetic iron oxide for use as an oral gastrointestinal contrast agent in MR imaging, Hahn PF; Stark DD; Lewis JM; Saini S; Elizondo G; Weissleder R; Fretz CJ; Ferrucci JT, Radiology 1990; **175:** 695

gastrointestinal contrast agents, Hahn PF, AJR 1991; **156:** 252

magnetic resonance imaging of the alimentary tube, Werthmuller WC; Margulis AR, Invest Radiol 1991; **26:** 195

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

MRI of the gastrointestinal tract, Goldberg HI; Thoeni RF, Radiol Clin North Am 1989; **27:** 805

oral magnetic particles in MR imaging of the abdomen and pelvis, Rinck PA; Smevik O; Nilsen G; Klepp O; Onsrud M; Øksendal A; Børseth A, Radiology 1991; **178:** 775

perfluoroctylbromide as a gastrointestinal contrast agent for MR imaging: use with and without glucagon, Brown JJ; Duncan JR; Heiken JP; Balfe DM; Corr AP; Mirowitz SA; Eilenberg SS; Lee JKT, Radiology 1991; **181:** 455

^{31}P NMR study of the GI tract: effect of fructose loading and measurement of transverse relaxation times, Karczmar GS; Tavares NJ; Weiner MW, Magn Res Med 1989; **9:** 8

polymeric gastrointestinal MR contrast agents, Tilcock CP; Unger EC; Ahkong QF; Fritz T; Koenig SH; Brown RD III, JMRI 1991; **1:** 463

preoperative staging of rectal carcinoma with MR imaging: surgical and histopathologic correlation, de Lange EE; Fechner RE; Edge SB; Spaulding CA, Radiology 1990; **176:** 623

Gastrointestinal tract, neoplasms

aclarubicin in the treatment of advanced gastrointestinal adenocarcinoma, Elomaa I; Salmo M; Roos L; et al, Acta Oncol 1990; **29:** 636

alimentary tract lesions in Cowden's disease, Taylor AJ; Dodds WJ; Stewart ET, Br J Radiol 1989; **62:** 890

ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA, Radiology 1990; **175:** 455

carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; **172:** 699

CT evaluation of wall thickening in the alimentary tract, Desai RK; Tagliabue JR; Wegryn SA; Einstein DM, Radiographics 1991; **11:** 771

CT evaluation of wall thickening in the alimentary tract: invited commentary, Johnson CD, Radiographics 1991; **11:** 784

diagnostic criteria of classical carcinoids, Wilander E; Scheibenpflug L; Eriksson B; et al, Acta Oncol 1991; **30:** 469

diagnostic pathology of gastrointestinal and pancreatic neuroendocrine tumours, Wilander E, Acta Oncol 1989; **28:** 363

enterochromaffin-like cells and gastric argyrophil carcinoidosis, Modlin IM; Esterline W; Kim H; et al, Acta Oncol 1991; **30:** 493

esophagogastric carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; Schouwink MH; Tytgat GNJ, Radiology 1989; **173:** 411

from the archives of the AFIP: carcinoids of the gastrointestinal tract, Buck JL; Sobin LH, Radiographics 1990; **10:** 1081

gastric inflammatory pseudotumor in children, Maves CK; Johnson JF; Bove K; Malott RL, Radiology 1989; **173:** 381

gastrinomas: clinical symdromes, Stadil F, Acta Oncol 1989; **28:** 379

gastrointestinal cancer: diagnosis, staging, and the follow-up role of imaging, Halvorsen RA Jr; Thompson WM, Semin US CT MR 1989; **10:** 467

gastrointestinal carcinomas in renal transplant recipients, Feczko PJ; Mezwa DG, Gastrointest Radiol 1991; **16:** 351

gastrointestinal lipomas: a radiologic and pathologic review, Taylor AJ; Stewart ET; Dodds WJ, AJR 1990; **155:** 1205

gastrointestinal lymphoma: sonographic findings in 54 patients, Goerg C; Schwerk WB; Goerg K, AJR 1990; **155:** 795

in vitro culture of neuroendocrine tumors of the pancreas and gut, Lundqvist M; Oberg K, Acta Oncol 1989; **28:** 335

malignant lymphoma of the gastrointestinal tract and mesentery: a clinico-pathologic study of the significance of histologic classification, (ab), van Krieken JHJM; Otter R; Hermans H; et al, Radiology 1990; **174:** 898

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

nuclear DNA distribution in neuroendocrine gastroenteropancreatic tumors before and during treatment, Eriksson B; Oberg K; Wilander E; et al, Acta Oncol 1989; **28:** 193

preoperative staging of rectal carcinoma with MR imaging: surgical and histopathologic correlation, de Lange EE; Fechner RE; Edge SB; Spaulding CA, Radiology 1990; **176:** 623

regulatory peptides as tumour markers, Theodorsson E, Acta Oncol 1989; **28:** 319

risk of gastrointestinal and other primary malignant diseases following gastric cancer, Lundegårdh G; Hansson L-E; Nyrén O; et al, Acta Oncol 1991; **30:** 1

treatment of gastrointestinal endocrine tumours with interferon-α and octreotide, Creutzfeldt W; Bartsch HH; Jacubaschke U; et al, Acta Oncol 1991; **30:** 529

treatment of malignant midgut carcinoid tumours with a long-acting somatostatin analogue octreotide, Oberg K; Norheim I; Theodorsson E, Acta Oncol 1991; **30:** 503

tumor vascularization: assessment with duplex sonography, Dock W; Grabenwöger F; Metz V; Eibenberger K; Farrés MT, Radiology 1991; **181:** 241

variations in gastrointestinal melanoma metastases, Plavsic B; Robinson AE, Acta Radiol 1990; **31:** 493

Gastrointestinal tract, perforation

spontaneous focal gastrointestinal perforation in very low birth weight infants, (ab), Aschner JL; Deluga KS; Metlay LA; et al, Radiology 1989; **171:** 888

Gastrointestinal tract, radiography

changing face of gastrointestinal radiology, Margulis AR; Brandt DJ, Semin Roentgenol 1989; **24:** 231

digital videofluorography for direct digital spot filming of gastrointestinal studies, Steiner E; Mueller PR; Hahn PF; et al, Gastrointest Radiol 1989; **14:** 193

gastric bubble: Roentgen observations, Gurney JW; Olson DL; Schroeder BA, Radiographics 1989; **9:** 467

increased frequency of reactions to contrast materials during gastrointestinal studies, Feczko PJ, Radiology 1990; **174:** 367

reactions to contrast materials during gastrointestinal studies, Janower ML, Radiology 1990; **177:** 287

reactions to contrast materials during gastrointestinal studies: reply, Feczko PJ, Radiology 1990; **177:** 287

tissue doses in the upper gastrointestinal fluoroscopy examination, Suleiman OH; Anderson J; Jones B; Rao GUV; Rosenstein M, Radiology 1991; **178:** 653

use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Op den Orth JO, Radiology 1989; **173:** 601

Gastrointestinal tract, radionuclide studies

achalasia detected on a radiocolloid gastroesophageal transit study, Mack JM; Shapiro HR; Spencer RP, Clin Nucl Med 1990; **15:** 928

bone scintigraphy in the evaluation of extraskeletal injuries from child abuse, Howard JL; Barron BJ; Smith GG, Radiographics 1990; **10:** 67

carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; **172:** 699

delayed positive gastrointestinal bleeding studies with technetium-99m-red blood cells: utility of a second injection, Jacobson AF, J Nucl Med 1991; **32:** 330

expectoration in the gastrointestinal tract: a diagnostic problem in In-111 granulocyte scintigraphy, Schifter S; Madsen JL, Clin Nucl Med 1990; **15:** 603

gastric emptying in infants and children: limited utility of 1-hour measurement, Gelfand MJ; Wagner GG, Radiology 1991; **178:** 379

imaging insights: scintigraphy of GI bleeding, (ab), Alderson PO, Radiology 1991; **180:** 882

incidental abnormalities detected during scintigraphy for gastrointestinal bleeding, Zuckier LS; Patel YD, Radiographics 1990; **10:** 467

physiological and pharmacological interventions in radionuclide imaging of the tubular gastrointestinal tract, Datz FL; Christian PE; Hutson WR; et al, Semin Nucl Med 1991; **21:** 140

pitfalls of a ^{99m}Tc-RBC bleeding study due to gallbladder and ileal-loop visualization, Abello R; Haynie TP; Kim EE, Gastrointest Radiol 1991; **16:** 32

problems of duodenogastric reflux in Tc-99m Hexa MIBI planar, tomographic and bull's eye display, Hassan IM; Mohammad MMJ; Constantinides C; et al, Clin Nucl Med 1989; **14:** 286

proposal of a modified scintigraphic method to evaluate duodenogastroesophageal reflux, Borsato N; Bonavina L; Zanco P; et al, J Nucl Med 1991; **32:** 436

quantification of *Helicobacter pylori* infection in gastritis and ulcer disease using a simple and rapid carbon-14-urea breath test, Debongnie JC; Pauwels S; Raat A; et al, J Nucl Med 1991; **32:** 1192

radionuclides and the gut, Brooks AP, Clin Radiol 1990; **42:** 80

scintigraphic demonstration of the thoracic duct following oral ingestion of ^{123}I-heptadecanoic acid, Hvid-Jacobsen K; Thomsen HS; Nielsen SL; et al, Gastrointest Radiol 1989; **14:** 212

selenium-75-homocholic acid taurine test reevaluated: combined measurement of fecal selenium-75 activity and 3α-hydroxy bile acids in 211 patients, van Tilburg AJP; de Rooij FWM; van den Berg JWO; et al, J Nucl Med 1991; **32:** 1219

technetium-99m RBC bleeding images in normal subjects: confusion with gastrointestinal bleeding sites, Boyd CM; Williamson MR, Clin Nucl Med 1989; **14:** 202

upper gastrointestinal tract evaluation with radionuclides in infants, Miller JH, Radiology 1991; **178:** 326

Gastrointestinal tract, surgery

intraabdominal adhesions: intraoperative US, Suslavich FJ; Turner NA; King PS; Brown HK, Radiology 1989; **172:** 387

pylorus-preserving Whipple pancreaticoduodenectomy: postoperative evaluation, Trerotola SO; Jones B; Crist DW; Cameron JL, Radiology 1989; **171:** 735

Gastrointestinal tract, therapeutic radiology

astro plenary: interfraction interval is a major determinant of late effects, with hyperfractionated radiation therapy of carcinomas of upper respiratory and digestive tracts: results from radiation therapy oncology group protocol 8313, Cox JD; Pajak TF; Marcial VA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1191

Gastrointestinal tract, US

abdominal-gastrointestinal radiology. RSNA '89 meeting notes, Balfe DM; Koehler RE; Lichtenstein JE, Radiology 1990; **174:** 602

afferent loop syndrome: sonographic findings in seven cases, Lee DH; Lim JH; Ko YT, AJR 1991; **157:** 41

echogenic focus in the gastrointestinal wall as a sign of ulceration, Martinez-Noguera A; Mata J; Matias-Guiu X; et al, Gastrointest Radiol 1989; **14:** 295

endoscopic sonography of the upper gastrointestinal tract, Botet JF; Lightdale CJ, AJR 1991; **156:** 63

intraabdominal adhesions: intraoperative US, Suslavich FJ; Turner NA; King PS; Brown HK, Radiology 1989; **172:** 387

lack of sonographic image degradation after barium upper gastrointestinal examination, Elam EA; Hunter TB; Hunt KR; et al, AJR 1989; 153: 993

relationship between image quality and ultrasound exposure level in diagnostic US devices, Harris GR; Stewart HF; Leo FP; Sanders RC, Radiology 1989; 173: 313

ultrasonography. RSNA '89 meeting notes, Merritt CRB; Lawson TL; Cooperberg PL, Radiology 1990; 174: 604

ultrasonography. RSNA '90 meeting notes, Merritt CRB; Cooperberg PL; Lawson TL, Radiology 1991; 178: 602

ultrasound as part of a 1-day gastroenterology clinic: advantages and problems, Ryan S; Chua A; Clabby C; et al, Br J Radiol 1990; 63: 698

US of the gastrointestinal tract, Carroll BA, Radiology 1989; 172: 605

Gastrojejunostomy

afferent loop syndrome: sonographic findings in seven cases, Lee DH; Lim JH; Ko YT, AJR 1991; 157: 41

effect of proximal vagotomy and roux-en-Y diversion on gastric emptying kinetics in asymptomatic patients, Urbain JL; Penninckx F; Siegel JA; et al, Clin Nucl Med 1990; 15: 688

infracolic percutaneous gastrojejunostomy: technical note, Mirich DR; Gray RR, Cardiovasc Intervent Radiol 1989; 12: 340

modified gastrojejunostomy tube: percutaneous placement for gastric decompression and jejunal feeding, Grassi CJ, Radiology 1989; 173: 875

percutaneous gastrojejunostomy with a modified Cope loop catheter, Gehman KE; Elliott JA; Inculet RI, AJR 1990; 155: 79

Gastroplasty

See Stomach, surgery

Gastrostomy

fluoroscopically guided percutaneous gastrostomy and gastroenterostomy: analysis of 158 consecutive cases, Hicks ME; Surratt RS; Picus D; et al, AJR 1990; 154: 725

fluoroscopically guided percutaneous gastrostomy: is gastric fixation necessary?, Moote DJ; Ho C-S; Felice V, J Canad Assoc Radiol 1990; 41: 363

fluoroscopically guided percutaneous gastrostomy: is gastric fixation necessary? (republication), Moote DJ; Ho C-S; Felice V, J Canad Assoc Radiol 1991; 42: 113

modified catheter for percutaneous gastrojejunostomy, Gray RR; St. Louis EL; Grosman H, Radiology 1989; 173: 276

modified gastrojejunostomy tube: percutaneous placement for gastric decompression and jejunal feeding, Grassi CJ, Radiology 1989; 173: 875

nonendoscopic techniques for manipulating Sacks–Vine gastrostomy tubes: technical note, Glass-Royal M; Teitelbaum GP; Joseph GJ; et al, Cardiovasc Intervent Radiol 1989; 12: 346

percutaneous drainage and feeding gastrostomies in 100 patients, O'Keeffe FN; Carrasco CH; Charnsangavej C; Richli WR; Wallace S; Freedman RS, Radiology 1989; 172: 341

percutaneous endoscopic gastrostomy and early mortality, (ab), Clarkston WK; Smith OJ; Walden JM, JVIR 1991; 2: 296

percutaneous enterostomy with the Cope suture anchor, Coleman CC; Coons HG; Cope C; Derauf BJ; Krenzel C; Epstein DH; Schlam BW; Castaneda F; Hough JP; Moradian GP, Radiology 1990; 174: 889

percutaneous feeding gastrostomy with the Seldinger technique: review of 252 patients, Halkier BK; Ho C-S; Yee ACN, Radiology 1989; 171: 359

percutaneous gastrostomy: a clinical and experimental study, Lindberg C-G; Ivancev K; Kan Z; et al, Acta Radiol 1991; 32: 302

percutaneous gastrostomy with gastropexy: experience in 125 patients, Saini S; Mueller PR; Gaa J; et al, AJR 1990; 154: 1003

percutaneous operative gastrostomy for gastric decompression in major urological surgery, (ab), Van Poppel H; Baert L, JVIR 1991; 2: 417

postgastrostomy tube deformity on upper GI series, Hammerman AM; Shady K; Fry R; et al, Gastrointest Radiol 1991; 16: 13

tube dysfunction following percutaneous endoscopic gastrostomy and jejunostomy, (ab), Wolfsen HC; Kozarek RA; Ball TJ; et al, JVIR 1990; 1: 139

Gaucher disease

bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; 170: 143

bone scans in the diagnosis of bone crisis in patients who have Gaucher disease, (ab), Katz K; Mechlis-Frish S; Cohen IJ; et al, Radiology 1991; 181: 614

diagnosing osteomyelitis in Gaucher's disease: observations on two cases, Sziklas JJ; Negrin JA; Rosshirt W; et al, Clin Nucl Med 1991; 16: 487

skeletal complications of type I Gaucher disease: the magnetic resonance features, Cremin BJ; Davey H; Goldblatt J, Clin Radiol 1990; 41: 244

spinal cord compression in type I Gaucher disease, Hermann G; Wagner LD; Gendal ES; Ragland RL; Ulin RI, Radiology 1989; 170: 147

Gelatin foam

biocompatibility of compressed collagen foam plugs, Robinson JD; Yedlicka JW; Bildsoe MC; et al, Cardiovasc Intervent Radiol 1990; 13: 36

gastric and hepatic infarction following embolization of the left gastric artery: case report, Brown KT; Friedman WN; Marks RA; Saddekni S, Radiology 1989; 172: 731

renal cisplatin chemoembolization with Angiostat, Gelfoam, and Ethiodol in the rabbit: renal platinum distributions, Sternlicht M; Sales SF; Daniels JR; Daniels A, Radiology 1989; 170: 1073

transcatheter arterial chemotherapy using doxorubicin, iodized oil and Gelfoam embolization in hepatocellular carcinoma, Van Beers BE; Roche A; Cauquil P; et al, Acta Radiol 1989; 30: 415

Genitourinary system

current status of adult uroradiology: a survey of members of the Society of Uroradiology, Barloon TJ; Brown RC; Berbaum KS, AJR 1990; 154: 301

Society of Uroradiology 1989 scientific session, September 23–24, Whalen E, AJR 1990; 154: 11

stages in the growth of uroradiology, Elkin M, Radiology 1990; 175: 297

urinary tract injury in patients with blunt chest trauma: the value of postaortographic abdominal radiographs, Rose SC; Braun SD; Newman GE; et al, Cardiovasc Intervent Radiol 1989; 12: 258

Genitourinary system, abnormalities

cloacal exstrophy: radiologic findings in 13 patients, Meglin AJ; Balotin RJ; Jelinek JS; et al, AJR 1990; 155: 1267

cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; 177: 441

diagnosis of urachal anomalies in infancy and childhood by contrast fistulography, ultrasound and CT, Nagasaki A; Handa N; Kawanami T, Pediatr Radiol 1991; 21: 321

dilation of benign ureteral strictures, Beckmann CF; Roth RA; Bihrle W III, Radiology 1989; 172: 437

incidental detection of urinary tract abnormalities with skeletal scintigraphy, Gentili A; Miron SD; Adler LP; Bellon EM, Radiographics 1991; 11: 571

influence of vesicoureteral reflux and urinary tract infection on renal growth in children with upper urinary tract duplication, Hannerz L; Wikstad I; Celsi G; et al, Acta Radiol 1989; 30: 391

male genital tract malformations associated with ipsilateral renal agenesis: sonographic findings, Trigaux J-PP; Van Beers BE; Delchambre FE, JCU 1991; 19: 3

men with congenital absence of the vas deferens often have seminal vesicles, (ab), Goldstein M; Schlossberg S, Radiology 1989; 170: 901

sonographic screening for renal tract anomalies associated with congenital heart disease, Murugasu B; Yip WCL; Tay JSH; et al, JCU 1990; 18: 79

structural genitourinary defects detected in utero, Mandell J; Blyth BR; Peters CA; Retik AB; Estroff JA; Benacerraf BR, Radiology 1991; 178: 193

ultrasound screening of healthy infants for urinary tract abnormalities, (ab), Steinhart JM; Kuhn JP; Eisenberg B; et al, Radiology 1989; 171: 888

vesicoureteral reflux in boys, Schoeneman MJ; Goldfarb CR; Ongseng F; Finestone H, Radiology 1990; 176: 288

vesicoureteral reflux in boys: reply, Ben-Ami T, Radiology 1990; 176: 289

vesicoureteral reflux in boys: review of 196 cases, Ben-Ami T; Sinai L; Hertz M; Boichis H, Radiology 1989; 173: 681

Genitourinary system, calculi

childhood urolithiasis: experiences and advances, (ab), Gearhart JP; Herzberg GZ; Jeffs RD, Radiology 1991; 181: 616

CT of genitourinary calcification due to schistosomiasis, Fataar S; Rudwan M; Bassiony H; et al, Australas Radiol 1990; 34: 234

urinary tract calculi that form on surgical staples: a characteristic radiologic appearance, Dangman BC; Lebowitz RL, AJR 1991; 157: 115

urolithiasis in the Aboriginal—a comment, Bateson EM, Australas Radiol 1989; 33: 64

Genitourinary system, CT

complications of radiation therapy: CT evaluation, Bluemke DA; Fishman EK; Kuhlman JE; Zinreich ES, Radiographics 1991; 11: 581

CT of genitourinary calcification due to schistosomiasis, Fataar S; Rudwan M; Bassiony H; et al, Australas Radiol 1990; 34: 234

upper urinary tract infection: the current role of CT, ultrasound, and MRI, Goldman SM; Fishman EK, Semin US CT MR 1991; 12: 335

value of CT in the detection of bladder and posterior urethral injuries, Kane NM; Francis IR; Ellis JH, AJR 1989; 153: 1243

Genitourinary system, diseases

incidental detection of urinary tract abnormalities with skeletal scintigraphy, Gentili A; Miron SD; Adler LP; Bellon EM, Radiographics 1991; 11: 571

malakoplakia of the ureter and bladder, Baumgartner BR; Alagappian R, Urol Radiol 1990; 12: 157

treatment of advanced condylomata acuminata with semi-purified and purified human leukocyte interferon, Einhorn N; Ling P; Secher D; et al, Acta Oncol 1991; 30: 343

Genitourinary system, infection

antibiotics and nephrostomy tube care: preliminary observations. part I. bacteriuria, Cronan JJ; Marcello A; Horn DL; Robinson A; Dorfman GS; Opal S, Radiology 1989; 172: 1041

antibiotics and nephrostomy tube care: preliminary observations. part II. bacteremia, Cronan JJ; Horn DL; Marcello A; Robinson A; Paolella LP; Lambiase RE; Haas RA; Opal S; Dorfman GS, Radiology 1989; 172: 1043

children with urinary tract infection: a critical diagnostic pathway, Brindle MJ, Clin Radiol 1990; 41: 95

Copenhagen case-control study of bladder cancer. V. review of the role of urinary-tract infection, Kjaer SK; Knudsen JB; Sørensen BL; et al, Acta Oncol 1989; 28: 631

imaging of children with urinary tract infection: a tailored approach, Ben-Ami T; Rozin M; Hertz M, Clin Radiol 1989; 40: 64

influence of vesicoureteral reflux and urinary tract infection on renal growth in children with upper urinary tract duplication, Hannerz L; Wikstad I; Celsi G; et al, Acta Radiol 1989; 30: 391

intravenous pyelography in children with urinary tract infection and vesicoureteral reflux, (ab), Alon U; Berant M; Pery M, Radiology 1989; 173: 296

nuclear cystography and renal sonography: findings in girls with urinary tract infection, Strife JL; Bisset GS III; Kirks DR; et al, AJR 1989; 153: 115

perineal abscess after prostatic urethroplasty with balloon catheter: report of a case, Castaneda F; Hulbert JC; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; 174: 49

pyocystis with urethral obstruction: percutaneous cystostomy as an alternative to surgery, Tung GA; Papanicolaou N, J Canad Assoc Radiol 1990; 41: 350

renal ultrasound and excretory urography in infants and young children with urinary tract infection, Kenda R; Kenig T; Šilc M; et al, Pediatr Radiol 1989; 19: 299

^{99m}Tc dimercaptosuccinic acid (DMSA) scan as first investigation of urinary tract infection, (ab), Verber IG; Strudley MR; Meller ST, Radiology 1989; 172: 296

^{99m}Tc-DMSA scintigraphy in acute urinary tract infection in children, Verboven M; Ingels M; Delree M; et al, Pediatr Radiol 1990; 20: 540

tubo-ovarian abscesses: CT-guided percutaneous drainage, Tyrrel RT; Murphy FB; Bernardino ME, Radiology 1990; 175: 87

ultrasound of the pelvis and renal tract combined with a plain film of abdomen in young women with urinary tract infection: can it replace intravenous urography? a prospective study, McNicholas MMJ; Griffin JF; Cantwell DF, Br J Radiol 1991; 64: 221

untreated bacteriuria in asymptomatic girls with renal scarring, (ab), Hanson S; Jodal U; Norén L; et al, Radiology 1990; 175: 887

upper urinary tract infection: the current role of CT, ultrasound, and MRI, Goldman SM; Fishman EK, Semin US CT MR 1991; 12: 335

urinary tract infection in paediatrics: the role of diagnostic imaging, Gordon I, Br J Radiol 1990; 63: 507

urinary tract infections in febrile infants younger than 8 weeks of age, (ab), Crain EF; Gershel JC, Radiology 1991; 178: 900

urosepsis in infants with vesicoureteral reflux masquerading as the salt-losing type of congenital adrenal hyperplasia, Vaid YN; Lebowitz RL, Pediatr Radiol 1989; 19: 548

vesicoureteral reflux in boys, Schoeneman MJ; Goldfarb CR; Ongseng F; Finestone H, Radiology 1990; 176: 288

vesicoureteral reflux in boys: reply, Ben-Ami T, Radiology 1990; 176: 289

vesicoureteral reflux in boys: review of 196 cases, Ben-Ami T; Sinai L; Hertz M; Boichis H, Radiology 1989; 173: 681

voiding cystourethrography as a predictor of reflux nephropathy in children with urinary-tract infection, Hellström M; Jacobsson B; Mårild S; et al, AJR 1989; 152: 801

Genitourinary system, injuries

diagnostic imaging of the urinary system following blunt trauma, Mirvis SE, Clin Imag 1989; 13: 269

value of CT in the detection of bladder and posterior urethral injuries, Kane NM; Francis IR; Ellis JH, AJR 1989; 153: 1243

Genitourinary system, interventional procedure

case report: ureterocaecal anastomotic tumour diagnosed by sinography, Warnock NG, Clin Radiol 1990; 42: 210

dilation of benign ureteral strictures, Beckmann CF; Roth RA; Bihrle W III, Radiology 1989; 172: 437

fluoroscopically guided pyeloureteral interventions by using a perurethral transvesical approach, Amendola MA; Banner MP; Pollack HM; et al, AJR 1989; 152: 97

genitourinary radiology. RSNA '88 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM, Radiology 1989; 170: 601

interventional radiology of the lower urinary tract and its relationship to surgical treatment, Castaneda F; Hernandez-Graulau JM; Castañeda-Zúñiga WR, Cardiovasc Intervent Radiol 1991; 14: 205

interventional uroradiology, Dunnick NR; Illescas FF; Mitchell S; et al, Invest Radiol 1989; 24: 831

Koch pouch: radiographic evaluation of the orthotopic and cutaneous forms, Woods D; Dobranowski J; Orovan WL; et al, J Canad Assoc Radiol 1991; 42: 119

pediatric interventional procedures in the 1980s: a period of development, growth, and acceptance, Towbin RB, Radiology 1989; 170: 1081

percutaneous interventional uroradiology, Rickards D; Jones SN, Br J Radiol 1989; 62: 573

percutaneous treatment of urine leaks in renal transplantation patients, Matalon TAS; Thompson MJ; Patel SK; Ramos MV; Jensik SC; Merkel FK, Radiology 1990; 174: 1049

perineal abscess after prostatic urethroplasty with balloon catheter: report of a case, Castaneda F; Hulbert JC; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; 174: 49

radiology of continent urinary diversion, Ng C; Amis ES Jr, Radiol Clin North Am 1991; 29: 557

tubo-ovarian abscesses: CT-guided percutaneous drainage, Tyrrel RT; Murphy FB; Bernardino ME, Radiology 1990; 175: 87

Genitourinary system, MR

clinical use of urinary tract magnetic resonance imaging, Newhouse JH, Radiol Clin North Am 1991; 29: 455

female urethra: MR imaging, Hricak H; Secaf E; Buckley DW; Brown JJ; Tanagho EA; McAninch JW, Radiology 1991; 178: 527

genitourinary radiology. RSNA '88 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM, Radiology 1989; 170: 601

pelvic endometriosis: MR imaging, Arrivé L; Hricak H; Martin MC, Radiology 1989; 171: 687

upper urinary tract infection: the current role of CT, ultrasound, and MRI, Goldman SM; Fishman EK, Semin US CT MR 1991; 12: 335

urachal carcinoma: the role of magnetic resonance imaging, Rafal RB; Markisz JA, Urol Radiol 1991; 12: 184

variable-flip-angle spin-echo MR imaging of the pelvis: more versatile T2-weighted images, Mitchell DG; Vinitski S; Burk DL Jr; Levy DW; Rifkin MD, Radiology 1989; 171: 525

Genitourinary system, neoplasms

fluoroscopically guided retrograde brush biopsy in the diagnosis of transitional cell carcinoma of the upper urinary tract: results in 45 patients, Sheline M; Amendola MA; Pollack HM; et al, AJR 1989; 153: 313

incidental detection of urinary tract abnormalities with skeletal scintigraphy, Gentili A; Miron SD; Adler LP; Bellon EM, Radiographics 1991; 11: 571

lymphoma of the genitourinary tract, Charnsangavej C, Radiol Clin North Am 1990; 28: 865

Lynch syndrome II and urological malignancies, (ab), Lynch HT; Ens JA; Lynch JF, Radiology 1990; 177: 292

malignant rhabdoid tumor of the kidney: radiologic features, Sisler CL; Siegel MJ, Radiology 1989; 172: 211

pediatric gynecologic sonography, Siegel MJ, Radiology 1991; 179: 593

simple renal cysts in children: diagnosis and follow-up with US, McHugh K; Stringer DA; Hebert D; Babiak CA, Radiology 1991; 178: 383

transitional cell carcinoma of the upper urinary tract, Zuckier LS; Kirschenbaum ER, Radiology 1989; 170: 282

transitional cell carcinoma of the upper urinary tract: reply, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, Radiology 1989; 170: 283

ultrasonography and diagnosis of pediatric genitourinary rhabdomyosarcoma, (ab), Bahnson RR; Zaontz MR; Maizels M; et al, Radiology 1989; 172: 888

urachal carcinoma: the role of magnetic resonance imaging, Rafal RB; Markisz JA, Urol Radiol 1991; 12: 184

ureteral neoplasms, Winalski CS; Lipman JC; Tumeh SS, Radiographics 1990; 10: 271

Genitourinary system, prostheses

stricture disease: radiology of urethral stents, Donald JJ; Rickards D; Milroy EJG, Radiology 1991; 180: 447

Genitourinary system, radiography

Ben Felson's contributions to uroradiology, Pollack HM, Semin Roentgenol 1989; 24: 239

stages in the growth of uroradiology, Elkin M, Radiology 1990; 175: 297

Genitourinary system, radionuclide studies

clinical study of urinary excretion of Ga-67, Nakano S; Hasegawa Y; Ibuka K; et al, Clin Nucl Med 1990; 15: 260

genitourinary radiology. RSNA '88 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM, Radiology 1989; 170: 601

incidental detection of urinary tract abnormalities with skeletal scintigraphy, Gentili A; Miron SD; Adler LP; Bellon EM, Radiographics 1991; 11: 571

nuclear cystography and renal sonography: findings in girls with urinary tract infection, Strife JL; Bisset GS III; Kirks DR; et al, AJR 1989; 153: 115

^{99m}Tc-DMSA scintigraphy in acute urinary tract infection in children, Verboven M; Ingels M; Delree M; et al, Pediatr Radiol 1990; 20: 540

unusual pelvic activity found on bone scan, Shanley DJ; Buckner AB; Alexander HG, Clin Nucl Med 1991; 16: 453

visualization of megacystis on bone scan, van der Wall H; Murray IPC, Clin Nucl Med 1991; 16: 369

Genitourinary system, stenosis or obstruction

contemporary concepts in imaging urinary tract obstruction, Cronan JJ, Radiol Clin North Am 1991; 29: 527

decompression of acute urinary tract obstruction by extravasation into a large simple renal cyst, Borge MA; Clark RL, Urol Radiol 1990; 12: 151

dilation of benign ureteral strictures, Beckmann CF; Roth RA; Bihrle W III, Radiology 1989; 172: 437

duplex ultrasound evaluation of normal native kidneys and native kidneys with urinary tract obstruction, Gottlieb RH; Luhmann K IV; Oates RP, J Ultrasound Med 1989; 8: 609

intra-uterine cystography for evaluation of prenatal obstructive uropathy, Stoutenbeek P; de Jong TPVM; van Gool JD; et al, Pediatr Radiol 1989; 19: 247

nondilated obstructive uropathy, (ab), Spital A; Valvo JR; Segal AJ, Radiology 1989; 170: 289

obstruction and the minimally dilated renal collecting system: US evaluation, Kamholtz RG; Cronan JJ; Dorfman GS, Radiology 1989; 170: 51

obstruction in the refluxing urinary tract—a common phenomenon, Leighton DM; Mayne V, Clin Radiol 1989; 40: 271

percutaneous nephrostomy to relieve renal tract obstruction in pregnancy, Trewhella M; Reid B; Gillespie A; et al, Br J Radiol 1991; 64: 471

ureteropelvic junction obstruction in the neonate, (ab), Bernstein GT; Mandell J; Lebowitz RL; et al, Radiology 1989; 172: 590

vesicoureteral reflux in boys, Schoeneman MJ; Goldfarb CR; Ongseng F; Finestone H, Radiology 1990; 176: 288

vesicoureteral reflux in boys: reply, Ben-Ami T, Radiology 1990; 176: 289

vesicoureteral reflux in boys: review of 196 cases, Ben-Ami T; Sinai L; Hertz M; Boichis H, Radiology 1989; 173: 681

visualization of megacystis on bone scan, van der Wall H; Murray IPC, Clin Nucl Med 1991; 16: 369

Genitourinary system, therapeutic radiology

conservative treatment for lower gynecological tract malignancies in children and adolescents: the Institut Gustave-Roussy experience, Gerbaulet AP; Esche BA; Haie CM; et al, Int J Radiat Oncol Biol Phys 1989; 17: 655

radical radiotherapy for carcinoma of the vulva, Slevin NJ; Pointon RCS, Br J Radiol 1989; **62:** 145

Genitourinary system, US

artifacts in urinary tract ultrasonography, Rosenfield AT, Urol Radiol 1991; **12:** 228

can ultrasound replace the intravenous urogram in preliminary investigationof renal tract disease? a prospective study, Lewis-Jones HG; Lamb GHR; Hughes PL, Br J Radiol 1989; **62:** 977

endoluminal sonography of the urinary tract: preliminary observations, Goldberg BB; Bagley D; Liu J-B; et al, AJR 1991; **156:** 99

endoluminal US: experiments with nonvascular uses in animals, Goldberg BB; Liu J-B; Merton DA; Kurtz AB, Radiology 1990; **175:** 39

obstruction and the minimally dilated renal collecting system: US evaluation, Kamholtz RG; Cronan JJ; Dorfman GS, Radiology 1989; **170:** 51

pediatric gynecologic sonography, Siegel MJ, Radiology 1991; **179:** 593

relationship between image quality and ultrasound exposure level in diagnostic US devices, Harris GR; Stewart HF; Leo FP; Sanders RC, Radiology 1989; **173:** 313

role of sonography in the diagnosis and management of urachal abscesses, Wan Y-L; Lee T-Y; Tsai C-C; et al, JCU 1991; **19:** 203

simple renal cysts in children: diagnosis and follow-up with US, McHugh K; Stringer DA; Hebert D; Babiak CA, Radiology 1991; **178:** 383

sonographic screening for renal tract anomalies associated with congenital heart disease, Murugasu B; Yip WCL; Tay JSH; et al, JCU 1990; **18:** 79

ultrasonography. RSNA '89 meeting notes, Merritt CRB; Lawson TL; Cooperberg PL, Radiology 1990; **174:** 604

ultrasonography. RSNA '90 meeting notes, Merritt CRB; Cooperberg PL; Lawson TL, Radiology 1991; **178:** 602

ultrasound of the pelvis and renal tract combined with a plain film of abdomen in young women with urinary tract infection: can it replace intravenous urography? a prospective study, McNicholas MMJ; Griffin JF; Cantwell DF, Br J Radiol 1991; **64:** 221

ultrasound screening of healthy infants for urinary tract abnormalities, (ab), Steinhart JM; Kuhn JP; Eisenberg B; et al, Radiology 1989; **171:** 888

upper urinary tract infection: the current role of CT, ultrasound, and MRI, Goldman SM; Fishman EK, Semin US CT MR 1991; **12:** 335

vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; **175:** 355

Genitourinary tract

See Genitourinary system; Urine; Urography; under names of organs, such as Bladder; Kidney

Glioma

See Brain neoplasms

Glomus jugulare, neoplasms

familial bilateral glomus jugulare tumors, Tali ET; Sener RN; Ibis E; et al, Neuroradiol 1991; **33:** 171

glomus tumours of the ear: an imaging regime, Phelps PD, Clin Radiol 1990; **41:** 301

Glucagon

effect of glucagon on esophageal peristalsis and clearance, Anvari M; Richards D; Dent J; et al, Gastrointest Radiol 1989; **14:** 100

effects of hiatal hernia, reflux esophagitis, and glucagon on the quality of double-contrast esophagram, Ott DJ; Chen YM; Gelfand DW, Gastrointest Radiol 1989; **14:** 97

glucagon: common untoward reactions—review and recommendations, Chernish SM; Maglinte DDT, Radiology 1990; **177:** 145

perfluoroctylbromide as a gastrointestinal contrast agent for MR imaging: use with and without glucagon, Brown JJ; Duncan JR; Heiken JP; Balfe DM; Corr AP; Mirowitz SA; Eilenberg SS; Lee JKT, Radiology 1991; **181:** 455

reducing doses of glucagon used in radiologic examinations, Jehenson PM, Radiology 1991; **179:** 286

reducing doses of glucagon used in radiologic examinations: reply, Chernish SM; Maglinte DDT, Radiology 1991; **179:** 286

Glucose

cerebral glucose is detectable by localized proton NMR spectroscopy in normal rat brain *in vivo*, Gyngell ML; Michaelis T; Hörstermann D; et al, Magn Res Med 1991; **19:** 489

clinical evaluation of a high-resolution (2.6-mm) positron emission tomograph, Valk PE; Jagust WJ; Derenzo SE; Huesman RH; Geyer AB; Budinger TF, Radiology 1990; **176:** 783

combined tissue oxygen tension measurement and positron emission tomography studies on glucose utilization in oncogene-transformed cell line tumour xenografts in nude mice, Kallinowski F; Brownell A-L; Vaupel P; et al, Br J Radiol 1991; **64:** 350

decreased cerebral glucose metabolism associated with mental deterioration in multi-infarct dementia, Meguro K; Doi C; Ueda M; et al, Neuroradiol 1991; **33:** 305

design of a $^{13}C[^{1}H]$ RF probe for monitoring the *in vivo* metabolism of [1-^{13}C]glucose in primate brain, Hammer BE; Sacks W; Bigler RE; et al, Magn Res Med 1990; **13:** 1

effect of intracarotid injection of iopamidol on local cerebral glucose utilization in rat brain, d'Avella D; Cicciarello R; Albiero F; et al, AJNR 1989; **10:** 797

glucose uptake, perfusion, and cell proliferation in head and neck tumors: relation of positron emission tomography to flow cytometry, Haberkorn U; Strauss LG; Reisser C; et al, J Nucl Med 1991; **32:** 1548

in vivo ^{13}C NMR spectroscopy of glucose metabolism of RIF-1 tumors, Constantinidis I; Chatham JC; Wehrle JP; et al, Magn Res Med 1991; **20:** 17

linear gastric emptying of hyperosmolar glucose solutions, Phillips WT; Schwartz JG; Blumhardt R; et al, J Nucl Med 1991; **32:** 377

local glucose utilization changes caused by subarachnoid contrast media in the rabbit, Ekholm SE; Morris TW; Prentice L; et al, Acta Radiol 1990; **31:** 209

measurements of glucose phosphorylation with FDG and PET are not reduced by dephosphorylation of FDG-6-phosphate, Kuwabara H; Gjedde A, J Nucl Med 1991; **32:** 692

noninvasive method to obtain input function for measuring tissue glucose utilizaton of thoracic and abdominal organs, Ohtake T; Kosaka N; Watanabe T; et al, J Nucl Med 1991; **32:** 1432

parametric images of myocardial metabolic rate of glucose generated from dynamic cardiac PET and 2-[^{18}F]fluoro-2-deoxy-d-glucose studies, Choi Y; Hawkins RA; Huang S-C; et al, J Nucl Med 1991; **32:** 733

primary and metastatic breast carcinoma: initial clinical evaluation with PET with the radiolabeled glucose analogue 2-[F-18]-fluoro-2-deoxy-D-glucose, Wahl RL; Cody RL; Hutchins GD; Mudgett EE, Radiology 1991; **179:** 765

quantification of patterns of regional cardiac metabolism, Lear JL; Ackermann RF, Radiology 1990; **176:** 659

response of the portal vein to an oral glucose load, Goldberg REA; Rada C; Knelson M; et al, JCU 1990; **18:** 691

Glycogen

^{13}C NMR visibility of rabbit muscle glycogen *in vivo*, Gruetter R; Prolla TA; Shulman RG, Magn Res Med 1991; **20:** 327

liver glycogen and water storage: effect on ultrasound attenuation, Tuthill TA; Baggs RB; Parker KJ, Ultrasound Med Biol 1989; **15:** 621

Glycogen storage disease

analysis of glycogen storage disease by *in vivo* ^{13}C NMR: comparison of normal volunteers with a patient, Beckmann N; Seelig J; Wick H, Magn Res Med 1990; **16:** 150

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

Goiter

See also Graves disease; Thyroid, hyperthyroidism

large substernal goiter as a cause of a pulmonary perfusion defect, Balon HR; Meier DA, Clin Nucl Med 1990; **15:** 806

new perspectives for diagnosis of nodular goiter by technetium-thallium subtraction scanning, Katagiri M; Harada T; Fukunaga M; et al, Clin Nucl Med 1989; **14:** 897

results of radiotherapy for thyroid ophthalmopathy, Sandler HM; Rubenstein JH; Fowble BL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 823

Gout

case report 536, Garagiola DM; Clark SA; Colyer RA; et al, Skeletal Radiol 1989; **18:** 377

case report 539, Walot I; Staple TW, Skeletal Radiol 1989; **18:** 233

crystal-associated arthropathies, Rubenstein J; Pritzker KPH, AJR 1989; **152:** 685

Tc-99m HMPAO leukocyte uptake in articular gout, Herrmann T; Granjon D; Loboguerrero A; et al, Clin Nucl Med 1991; **16:** 457

Grafts

angiographic criteria for prediction of early graft failure of secondary infrainguinal bypass surgery, (ab), Karacagil S; Almgren B; Bowald S; et al, JVIR 1991; **2:** 289

dermal grafts of the temporomandibular joint: postoperative appearance on MR images, Lieberman JM; Bradrick JP; Indresano AT; Smith AS; Bellon EM, Radiology 1990; **176:** 199

percutaneously placed endovascular grafts for aortic aneurysms: feasibility study, Mirich D; Wright KC; Wallace S; Yoshioka T; Lawrence DD Jr; Charnsangavej C; Gianturco C, Radiology 1989; **170:** 1033

pleuropulmonary morbidity: internal thoracic artery versus saphenous vein graft, (ab), Hurlbut D; Myers ML; et al, Radiology 1991; **181:** 614

runoff resistance and early graft failure in intrainguinal bypass surgery, (ab), Peterkin GA; LaMorte WW; Menzoian JO, Radiology 1989; **171:** 886

unimpinged and impinged anterior cruciate ligament grafts: MR signal intensity measurements, Howell SM; Berns GS; Farley TE, Radiology 1991; **179:** 639

Grafts, infection

aortobifemoral perigraft abscess: treatment by percutaneous catheter drainage, (ab), Tobin KD, Radiology 1989; **171:** 884

aortoenteric fistula and perigraft infection: evaluation with CT, Low RN; Wall SD; Jeffrey RB Jr; Sollitto RA; Reilly LM; Tierney LM Jr, Radiology 1990; **175:** 157

bone marrow transplantation: clinical and radiologic aspects, Patzik SB; Smith C; Kubicka RA; Kaizer H, Radiographics 1991; **11:** 601

chronic prosthetic vascular graft infection visualized with technetium-99m-hexamethylpropyleneamine oxime-labeled leukocytes, Vorne M; Laitinen R; Lantto T; et al, J Nucl Med 1991; **32:** 1425

diagnosis of synthetic vascular graft infection: comparison of CT and gallium scans, Johnson KK; Russ PD; Bair JH; et al, AJR 1990; **154:** 405

indium-111-labeled leukocyte scan in detection of synthetic vascular graft infection: the effect of antibiotic treatment, Chung CJ; Hicklin OA; Payan JM; et al, J Nucl Med 1991; **32:** 13

indium-111 leukocyte localization in infected prosthetic graft, Purnell GL; Walker CW; Allison JW; et al, Clin Nucl Med 1990; **15:** 585

paraprosthetic-duodenal fistula involving a mesocaval shunt, Foster WL Jr; Garrett JB; Roberts L Jr; et al, AJR 1989; **153:** 1201

pediatric case of the day, Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT, Radiographics 1990; **10:** 119

percutaneous management of abscesses that involve native arteries or synthetic arterial grafts, Lambiase RE; Dorfman GS; Cronan JJ, Radiology 1989; **173:** 815

successful treatment of infected thoracoabdominal aortic graft by percutaneous catheter drainage, (ab), Matley PJ; Beningfield SJ; Lourens S; et al, Radiology 1991; **181:** 294

Grafts, interventional procedure

heparin-resistant thrombus formation by endovascular stents in baboons: interruption by a synthetic antithrombin, (ab), Krupski WC; Bass A; Kelly AB; et al, JVIR 1990; **1:** 135

lower-extremity in situ saphenous vein grafts: angiographic interventions, Sniderman KW; Kalman PG; Shewchun J; Goldberg REA, Radiology 1989; **170:** 1023

pharmacomechanical thrombolysis and angioplasty in the management of clotted hemodialysis grafts: early and late clinical results, Valji K; Bookstein JJ; Roberts AC; Davis GB, Radiology 1991; **178:** 243

pulsed-spray thrombolysis of arterial and bypass graft occlusions, Valji K; Roberts AC; Davis GB; et al, AJR 1991; **156:** 617

short vein grafts in limb-saving arterial reconstructions, Veith FJ; Gupta SK; Wengerter KR; Farrell E, JVIR 1990; **1:** 57

thrombosed polytetrafluoroethylene hemodialysis fistulas: salvage with combined thrombectomy and angioplasty, Smith TP; Cragg AH; Castaneda F; Hunter DW, Radiology 1989; **171:** 507

Grafts, stenosis

early detection of saphenous vein arterial bypass graft stenosis by color-assisted duplex sonography: a prospective study, Polak JF; Donaldson MC; Dobkin GR; et al, AJR 1990; **154:** 857

fibrinolytic therapy for infra-inguinal synthetic graft occlusions, Blumshard KS; Hacking PM, Clin Radiol 1990; **42:** 269

guide wire traversal test: retrospective study of results with fibrinolytic therapy, Smith DC; McCormick MJ; Jensen DA; Westengard JC, JVIR 1991; **2:** 339

hemodialysis grafts: color Doppler flow imaging correlated with digital subtraction angiography and functional status, Dousset V; Grenier N; Douws C; Senuita P; Sassouste G; Ada L; Potaux L, Radiology 1991; **181:** 89

low-dose aspirin versus anticoagulants for prevention of coronary graft occlusion, (ab), Weber MAJ; Hasford J; Taillens C; et al, Radiology 1991; **180:** 590

lower-extremity in situ saphenous vein grafts: angiographic interventions, Sniderman KW; Kalman PG; Shewchun J; Goldberg REA, Radiology 1989; **170:** 1023

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; **175:** 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; **178:** 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; **178:** 284

salvage of occluded arterial bypass grafts by means of thrombolysis, (ab), Gardiner GA Jr; Harrington DP; Koltun W; et al, Radiology 1989; **173:** 293

Granulocytes

See Leukocytes

Granuloma

aggressive granulomatous lesions in cementless total hip arthroplasty, (ab), Santavirta S; Hoikka V; Eskola A; et al, Radiology 1991; **179:** 887

atypical radiographic appearances of tuberculous granulomas of bone, Abdelwahab IF; Norman A; Hermann G; et al, J Canad Assoc Radiol 1990; **41:** 72

case report 542, Mayo-Smith W; Rosenthal DI; Kattapuram SV; et al, Skeletal Radiol 1989; **18:** 245

case report 562, Tesluk H; Senders CW; Dublin AB, Skeletal Radiol 1989; **18:** 599

cavitating and noncavitating granuloma in AIDS patients with *Pneumocystis* pneumonitis, Klein JS; Warnock M; Webb WR; et al, AJR 1989; **152:** 753

central giant cell granuloma of the jaws: a clinico-radiological study, Horner K, Clin Radiol 1989; **40:** 622

cholesterol granuloma of the frontal bone: CT diagnosis, Eijpe AA; Koornneef L; Verbeeten B; et al, JCAT 1990; **14:** 914

cholesterol granuloma of the petrous apex, Clifton AG; Phelps PD; Brookes GB, Br J Radiol 1990; **63:** 724

cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521

chronic granulomatous disease of childhood: report of two cases with unusual involvement of the gastric antrum and spleen, Orduña M; González de Orbe G; Gordillo MI; et al, Eur J Radiol 1989; **9:** 67

clinical implications of the histopathologic diagnosis of pulmonary lymphomatoid granulomatosis, (ab), Pisani RJ; DeRemee RA, Radiology 1990; **176:** 887

CT and MR imaging of CNS lymphomatoid granulomatosis, Kerslake RW; Rowe D; Worthington BS, Neuroradiol 1991; **33:** 269

demonstration of hepatic granuloma due to visceral larva migrans by ultrasonography, Hirata T; Yamasaki K; Li Y-g; et al, JCU 1990; **18:** 429

Ga-67 uptake in granulomatous slack skin, Verlooy H; Marien K; Vanneste L; et al, Clin Nucl Med 1991; **16:** 131

imaging of sinusitis in Wegener's granulomatosis, De Geeter F; Van Maele L; Van der Veken P; et al, Clin Nucl Med 1989; **14:** 378

intracranial *aspergillus* granuloma simulating meningioma on MR imaging, Gupta RK; Singh AK; Bishnu P; et al, JCAT 1990; **14:** 467

lymphomatoid granulomatosis and malignant lymphoma of the central nervous system in the acquired immunodeficiency syndrome, (ab), Anders KH; Latta H; Chang BS; et al, Radiology 1989; **173:** 294

magnetic resonance imaging and computed tomography findings in a patient with lymphomatoid granulomatosis, Mendelson DS; Apter S; Kirschner PA; et al, Clin Imag 1989; **13:** 130

mediastinal histoplasmosis granuloma: evaluation with CT, Landay MJ; Rollins NK, Radiology 1989; **172:** 657

MR appearance of postoperative foreign body granuloma: case report with pathologic confirmation, De Marco JK; McDermott MW; Dillon WP; et al, AJNR 1991; **12:** 190

periglomerular granulomatosis: a limited form of Wegener's granulomatosis with exclusive renal involvement?, (ab), Oliet A; Praga M; Vidaur F; et al, Radiology 1989; **170:** 289

periventricular involvement in CNS lymphomatoid granulomatosis: MR demonstration, Smith AS; Huang TE; Weinstein MA, JCAT 1990; **14:** 291

pulmonary angiitis and granulomatosis: a review, Weisbrod GL, J Canad Assoc Radiol 1989; **40:** 127

pulmonary plasma-cell granuloma, Laufer L; Cohen Z; Mares AJ; et al, Pediatr Radiol 1990; **20:** 289

small nodular lesions in the lung periphery: new approach to diagnosis with CT, Mori K; Saitou Y; Tominaga K; Yokoi K; Miyazawa N; Okuyama A; Sasagawa M, Radiology 1990; **177:** 843

ultrasound in the diagnosis of granulomatous liver disease, Mills P; Saverymuttu S; Fallowfield M; et al, Clin Radiol 1990; **41:** 113

Granuloma, eosinophilic

See Histiocytosis

Granuloma, giant-cell reparative

case report 603, Hermann G; Abdelwahab IF; Klein MJ; et al, Skeletal Radiol 1990; **19:** 367

Granulomatosis

See Granuloma

Graves disease

See also Goiter; Thyroid, hyperthyroidism

administration of ^{131}I capsule via nasogastric tube in an uncooperative patient with Graves disease, Lowry PA; Semenkovich JW; Scott LD; et al, AJR 1990; **155:** 611

computed tomography of Grave's ophthalmopathy: diagnosis, management, and posttherapeutic evaluation, Shah KJ; Dasher BG; Brooks B, Clin Imag 1989; **13:** 58

discriminant factors affecting early outcome of radioiodine treatment for Graves' disease, Kung AWC; Choi P; Lam KSL; et al, Clin Radiol 1990; **42:** 52

Graves ophthalmopathy: MR imaging of the orbits, Hosten N; Sander B; Cordes M; Schubert CJ; Schörner W; Felix R, Radiology 1989; **172:** 759

Graves ophthalmopathy: role of MR imaging in radiation therapy, Just M; Kahaly G; Higer HP; Rösler HP; Kutzner J; Beyer J; Thelen M, Radiology 1991; **179:** 187

Graves orbitopathy: correlation of CT and clinical findings, Nugent RA; Belkin RI; Neigel JM; Rootman J; Robertson WD; Spinelli J; Graeb DA, Radiology 1990; **177:** 675

iodine-131 treatment of Graves' disease using modified early iodine-131 uptake measurements in therapy dose calculations, Hayes AA; Akre CM; Gorman CA, J Nucl Med 1990; **31:** 519

optimal iodine-131 dose for eliminating hyperthyroidism in Graves' disease, Nordyke RA; Gilbert FI Jr, J Nucl Med 1991; **32:** 411

prognostic factors in the radiotherapy of Graves' ophthalmopathy, Petersen IA; Kriss JP; McDougall IR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 259

radioiodine uptake following iodine-131 therapy for Graves' disease: an early indicator of need for retreatment, Carpentier WR; Gilliland PF; Piziak VK; et al, Clin Nucl Med 1989; **14:** 15

use of real-time orbital ultrasound in Graves' ophthalmopathy: a comparison with computed tomography, Given-Wilson R; Pope RM; Michell MJ; et al, Br J Radiol 1989; **62:** 705

Gynecology, MR

gynecologic tumor imaging, Chang YCF; Arrivé L; Hricak H, Semin US CT MR 1989; **10:** 29

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

Gynecology, US

appraisal of pelvic ultrasound: a survey of gynecologists, Hammond DI; Kotwall ZA; Walop W; et al, J Canad Assoc Radiol 1989; **40:** 308

Doppler ultrasound assessment of tumor vascularity in gynecologic disorders, Hata T; Hata K; Senoh D; et al, J Ultrasound Med 1989; **8:** 309

intraoperative guidance for intrauterine procedures with transrectal sonography, Fleischer AC; Burnett LS; Murray MJ; Jones HW III, Radiology 1990; **176:** 576

Gynecomastia

See Breast, male

H

Hamartoma

alimentary tract lesions in Cowden's disease, Taylor AJ; Dodds WJ; Stewart ET, Br J Radiol 1989; **62:** 890

breast hamartomas: variable mammographic appearance, Helvie MA; Adler DD; Rebner M; Oberman HA, Radiology 1989; **170:** 417

case of the season, Gardner DJ, Semin Roentgenol 1990; **25:** 223

case report 514, Guy GE; Dorfman GS; Saskin H; et al, Skeletal Radiol 1989; **17:** 603

case report 632, Abrahams TG; Whitten CG; Jones M; et al, Skeletal Radiol 1991; **20:** 47

case report 667, Walker CW; Adams BD; Barnes CL; et al, Skeletal Radiol 1991; **20:** 237

case report: mediastinal Castleman's disease: a missed pre-operative diagnosis?, Charig MJ, Clin Radiol 1990; **42:** 440

case report: the ultrasound and computed tomography appearance of mesenteric Castleman disease, Garber SJ; Shaw DG, Clin Radiol 1991; 43: 429

Castleman disease in the neck: atypical appearance on CT, Chaloupka JC; Castillo M; Hudgins P, AJR 1990; 154: 1051

chest wall mesenchymoma (hamartoma) in infancy: CT and MR findings, Schlesinger AE; Smith MB; Genez BM; et al, Pediatr Radiol 1989; 19: 212

computed tomography in abdominal Castleman's disease, Ferreirós J; León NG; Mata MI; et al, JCAT 1989; 13: 433

development of vascular neoplasia in Castleman's disease: report of seven cases, (ab), Gerald W; Kostianovsky M; Rosai J, Radiology 1990; 177: 896

gallium scintigraphy in the diagnosis and management of multifocal Castleman's disease, Stansby G; Hilson A; Hamilton G, Br J Radiol 1991; 64: 165

hamartoma of the tuber cinereum: a comparison of MR and CT findings in four cases, Burton EM; Ball WS Jr; Crone K; et al, AJNR 1989; 10: 497

hamartomas of the tuber cinereum: CT, MR, and pathologic findings, Boyko OB; Curnes JT; Oakes WJ; et al, AJNR 1991; 12: 309

hamartomas of the tuber cinereum: CT, MR, and pathologic findings, Boyko OB; Curnes JT; Oakes WJ; et al, AJR 1991; 156: 1053

hypothalamic hamartoma: report of two cases, (ab), Nishio S; Fujiwara S; Aiko Y; et al, Radiology 1990; 174: 589

increased activity on radiocolloid scintigraphy in splenic hamartoma, Okada J; Yoshikawa K; Uno K; et al, Clin Nucl Med 1990; 15: 112

isodense splenic mass: hamartoma, a case report, Norowitz DG; Morehouse HT, Comput Med Imag Graph 1989; 13: 347

mediastinal Castleman's disease: demonstration with computed tomography and angiography, Samuels TH; Hamilton PA; Ngan B, J Canad Assoc Radiol 1990; 41: 380

mesenchymal hamartoma in a 10-month-old infant: appearance by magnetic resonance imaging, Roberts EA; Liu P; Stringer D; et al, J Canad Assoc Radiol 1989; 40: 219

mesenchymal hamartoma of the chest wall in infancy, Gwyther SJ; Hall CM, Clin Radiol 1991; 43: 24

MR imaging of large hypothalamic hamartomas in two infants, Hubbard AM; Egelhoff JC, AJNR 1989; 10: 1277

polypoid hamartoma of the jejunum, Bracke PG; Degryse HR; Goovaerts GC; et al, Gastrointest Radiol 1991; 16: 113

Proteus syndrome (report of three cases), Nishimura G; Kozlowski K, Australas Radiol 1990; 34: 47

quadrigeminal plate hamartoma, Lis S; Lampropoulos C; Sarwar M, AJNR 1989; 10: 556

small nodular lesions in the lung periphery: new approach to diagnosis with CT, Mori K; Saitou Y; Tominaga K; Yokoi K; Miyazawa N; Okuyama A; Sasagawa M, Radiology 1990; 177: 843

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Miller RR; Müller NL, Radiology 1991; 179: 469

sonogram of multiple bile duct hamartomas, Tan A; Shen J-F; Hecht AH, JCU 1989; 17: 667

sonographic features of breast hamartomas, Adler DD; Jeffries DO; Helvie MA, J Ultrasound Med 1990; 9: 85

Hand

See also Extremities; Fingers and toes

extensive thromboembolic disease of the hand and forearm: treatment with thrombolytic therapy, Lambiase RE; Paolella LP; Haas RA; Dorfman GS, JVIR 1991; 2: 201

Hand, abnormalities

osteosclerosis of the phalanges in Werner syndrome, Goto M; Kindynis P; Resnick D; Sartoris DJ, Radiology 1989; 172: 841

tetra-oligodactyly with bilateral aplasia and hypoplasia of long bones of upper and lower limbs: a variable manifestation of the syndrome of ectrodactyly with tibial aplasia, Sener RN; Sayli BS; Isikan UE; et al, Pediatr Radiol 1990; 21: 57

Hand, arthritis

cystic rheumatoid arthritis: description of a nonerosive form, Gubler FM; Maas M; Dijkstra PF; de Jongh HR, Radiology 1990; 177: 829

detection and measurement of simulated early rheumatoid lesions of the hand using digital subtraction radiography, Bolander ME; Gardiner J; Coyle J; et al, Invest Radiol 1990; 25: 708

new radiographic grading scales for osteoarthritis of the hand: reliability for determining prevalence and progression, (ab), Kallman DA; Wigley FM; Scott WW Jr; et al, Radiology 1990; 176: 591

problems with the Steinbrocker staging system for radiographic assessment of the rheumatoid hand and wrist, Kaye JJ; Fuchs HA; Moseley JW; et al, Invest Radiol 1990; 25: 536

Quantitative microfocal radiographic assessment of progression in osteoarthritis of the hand, (ab), Buckland-Wright JC; MacFarlane DG; Lynch JA; et al, Radiology 1990; 176: 885

soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Fornage BD, Radiology 1989; 173: 735

Hand, CT

CT findings in lipoma of the flexor retinaculum of the palm, Fraser JD; Munk PL; Connell DG; et al, Australas Radiol 1991; 35: 189

occult fractures of the carpals and metacarpals: demonstration by CT, Hindman BW; Kulik WJ; Lee G; et al, AJR 1989; 153: 529

Hand, injuries

isolated capitate fracture in a 9-year-old boy, Gibbon WW; Jackson A, Br J Radiol 1989; 62: 487

occult fractures of the carpals and metacarpals: demonstration by CT, Hindman BW; Kulik WJ; Lee G; et al, AJR 1989; 153: 529

pseudomalignant, nonneoplastic osseous soft-tissue tumors of the hand and foot, Schütte HE; van der Heul RO, Radiology 1990; 176: 149

Hand, MR

high-resolution fast low-angle shot magnetic resonance imaging of the normal hand, Bruhn H; Gyngell ML; Hänicke W; et al, Skeletal Radiol 1991; 20: 259

high-resolution magnetic resonance imaging of the interphalangeal joints of the hand, Fry ME; Jacoby RK; Hutton CW; et al, Skeletal Radiol 1991; 20: 273

high-resolution, short echo time MR imaging of the fingers and wrist with a local gradient coil, Wong EC; Jesmanowicz A; Hyde JS, Radiology 1991; 181: 393

Hand, neoplasms

masses of the hand and wrist: detection and characterization with MR imaging, Binkovitz LA; Berquist TH; McLeod RA, AJR 1990; 154: 323

osteoid osteomas of the hand: report of three cases and review of the literature, Muren C; Höglund M; Engkvist O; et al, Acta Radiol 1991; 32: 62

soft-tissue tumors of the hand and wrist of children, Azouz EM; Kozlowski K; Masel J, J Canad Assoc Radiol 1989; 40: 251

Hand, radiography

computer assisted analysis of hand radiographs in infantile hypophosphatasia carriers, Chodirker BN; Roy D; Greenberg CR; et al, Pediatr Radiol 1991; 21: 216

detection and measurement of simulated early rheumatoid lesions of the hand using digital subtraction radiography, Bolander ME; Gardiner J; Coyle J; et al, Invest Radiol 1990; 25: 708

Hand, US

soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Fornage BD, Radiology 1989; 173: 735

Head

See also Brain; Skull

Head, CT

clinical utility of cranial CT in HIV positive and AIDS patients with neurological disease, Barber CJ; Rowlands PC; McCarty M; et al, Clin Radiol 1990; 42: 164

cranial CT of autosomal recessive osteopetrosis, Bartynski WS; Barnes PD; Wallman JK, AJNR 1989; 10: 543

craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; 173: 669

craniosynostosis: image quality, confidence, and correctness in diagnosis, Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; 173: 675

CT scanning and surgical treatment of 1551 head injured patients admitted to a regional neurosurgical unit, MacPherson P; Jennett B; Anderson E, Clin Radiol 1990; 42: 85

head and neck radiology. RSNA '88 meeting notes, Som PM; Curtin HD; Lufkin RB; Holliday RA; Reede DL, Radiology 1989; 170: 603

head and neck radiology: RSNA '89 meeting notes, Som PM; Curtin HD; Reede DL; Holliday RA; Mancuso AA, Radiology 1990; 174: 909

head and neck reconstruction with pectoralis major myocutaneous flap: CT evaluation, Ohgi K; Kohno A; Itabashi K; et al, JCAT 1990; 14: 286

imaging evaluation of children after falls from a height: review of 45 cases, Roshkow JE; Haller JO; Hotson GC; Sclafani SJA; Mezzacappa PM; Rachlin S, Radiology 1990; 175: 359

implications of scanning recently head injured patients in general hospitals, Jennett B; MacPherson P, Clin Radiol 1990; 42: 88

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; 173: 609

optimal CT settings for head imaging in the paediatric patient: an analysis of absorbed dose, Damilakis JE; Tsouderos JG, Eur J Radiol 1989; 9: 48

simple technique for head repositioning in CT scanning, Kingsley DPE; Dale G; Wallis A, Neuroradiol 1991; 33: 243

technique for cranial CT scanning of excessively obese patients, Finch IJ; Sun Y; Shatsky SA, AJNR 1989; 10: 434

transalar sphenoidal encephaloceles: clinical and radiologic findings, Elster AD; Branch CL Jr, Radiology 1989; 170: 245

Head, injuries

CT scanning and surgical treatment of 1551 head injured patients admitted to a regional neurosurgical unit, MacPherson P; Jennett B; Anderson E, Clin Radiol 1990; 42: 85

David and Goliath, Sprecher S, Radiology 1990; 176: 288

David and Goliath: reply, Shapiro R; Mintz A, Radiology 1990; 176: 288

delayed epidural hematoma, Di Rocco A; Ellis SJ; Landes C, Neuroradiol 1991; 33: 253

head injuries in the Old Testament, Shapiro R; Mintz A, Radiology 1990; 174: 84

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; 173: 653

imaging evaluation of children after falls from a height: review of 45 cases, Roshkow JE; Haller JO; Hotson GC; Sclafani SJA; Mezzacappa PM; Rachlin S, Radiology 1990; 175: 359

implications of scanning recently head injured patients in general hospitals, Jennett B; MacPherson P, Clin Radiol 1990; 42: 88

intravascular therapeutic embolization for acute traumatic bleeding from the ear, Tsai FY; Shah DC; Alfieri K; et al, AJNR 1989; 10: S40

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; 173: 609

prognostic significance of the third ventricle and basal cisterns in severe closed head injury, Colquhoun IR; Burrows EH, Clin Radiol 1989; 40: 13

significance of haematomas of the basal ganglia in closed head injury, Colquhoun IR; Rawlinson J, Clin Radiol 1989; 40: 619

skull radiography in the evaluation of acute head trauma: a survey of current practice, Hackney DB, Radiology 1991; 181: 711

testing a policy for skull radiography (and admission) following mild head injury, de Lacey G; McCabe M; Constant O; et al, Br J Radiol 1990; **63:** 14

Head, MR

automatic segmentation of head MRI images by knowledge guided thresholding, Suzuki H; Toriwaki J-i, Comput Med Imag Graph 1991; **15:** 233

clinical-radiologic issues in perineural tumor spread of malignant diseases of the extracranial head and neck, Parker GD; Harnsberger HR, Radiographics 1991; **11:** 383

comparing the FAISE method with conventional dual-echo sequences, Melki PS; Mulkern RV; Panych LP; Jolesz FA, JMRI 1991; **1:** 319

extracranial lesions of the head and neck: preliminary experience with Gd-DTPA—enhanced MR imaging, Robinson JD; Crawford SC; Teresi LM; Schiller VL; Lufkin RB; Harnsberger HR; Dietrich RB; Crim JR; Duckwiler GR; Spickler EM; Hanafee WN, Radiology 1989; **172:** 165

head and neck lesions: MR-guided aspiration biopsy, Duckwiler GR; Lufkin RB; Teresi LM; Spickler E; Dion JE; Viñuela F; Bentson JR; Hanafee WN, Radiology 1989; **170:** 519

head and neck radiology. RSNA '88 meeting notes, Som PM; Curtin HD; Lufkin RB; Holliday RA; Reede DL, Radiology 1989; **170:** 603

head and neck radiology: RSNA '89 meeting notes, Som PM; Curtin HD; Reede DL; Holliday RA; Mancuso AA, Radiology 1990; **174:** 909

head and neck radiology. RSNA '90 meeting notes, Som PM; Curtin HD; Holliday RA; Kassel E; Reede DL; Hasso AN, Radiology 1991; **178:** 599

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; **173:** 653

intracerebral arteriovenous malformations: evaluation with selective MR angiography and venography, Edelman RR; Wentz KU; Mattle HP; O'Reilly GV; Candia G; Liu CP; Zhao B; Kjellberg RN; Davis KR, Radiology 1989; **173:** 831

magnetic resonance imaging in the assessment of medullary compression in achondroplasia, (ab), Thomas IT; Frias JL; Williams JL; et al, Radiology 1989; **171:** 888

metabolic imaging of patients with intracranial tumors: H-1 MR spectroscopic imaging and PET, Luyten PR; Marien AJH; Heindel W; van Gerwen PHJ; Herholz K; den Hollander JA; Friedmann G; Heiss W-D, Radiology 1990; **176:** 791

MR fluoroscopy: initial clinical studies, Farzaneh F; Riederer SJ; Lee JN; Tasciyan T; Wright RC; Spritzer CE, Radiology 1989; **171:** 545

MR imaging of the craniovertebral junction, cranium, and brain in children with achondroplasia, Kao SCS; Waziri MH; Smith WL; et al, AJR 1989; **153:** 565

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

perineural tumor extension through the foramen ovale: evaluation with MR imaging, Laine FJ; Braun IF; Jensen ME; Nadel L; Som PM, Radiology 1990; **174:** 65

phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; **1:** 47

potential use of in vivo proton spectroscopy for head and neck lesions, Mafee MF; Bárány M; Gotsis ED; et al, Radiol Clin North Am 1989; **27:** 243

preliminary clinical results with low flip angle spin-echo MR imaging of the head and neck, Chisin R; Buxton RB; Ragozzino MW; et al, AJNR 1989; **10:** 719

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

role of gadolinium-DTPA in the evaluation of extracranial head and neck mass lesions, Crawford SC; Harnsberger HR; Lufkin RB; et al, Radiol Clin North Am 1989; **27:** 219

Head, neoplasms

See Head and neck neoplasms

Head, radionuclide studies

technetium-99m (v) dimercaptosuccinic acid uptake in patients with head and neck squamous carcinoma: experience in imaging, Watkinson JC; Lazarus CR; Mistry R; et al, J Nucl Med 1989; **30:** 174

Head, therapeutic radiology

See Head and neck neoplasms, therapeutic radiology

Head, US

cranial ultrasound assessment of gestational age in low birthweight infants, (ab), Murphy NP; Rennie J; Cooke RWI, Radiology 1990; **175:** 591

US of the neonatal head, (ab), Slovis TL, Radiology 1991; **178:** 592

Head and neck neoplasms

advanced head and neck cancer: low-dose, split-course radiation therapy and simultaneous infusion of 5-fluorouracil and cisplatin, Stryker JA; Harvey HA; Houck JR; Manders EK; Bradfield JJ, Radiology 1990; **176:** 567

carboplatin (CBDCA) and radiotherapy for stage IV carcinoma of the head and neck: a phase I-II study, Jacobs MC; Eisenberger M; Oh MC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 361

case report: solitary plasmacytoma of the frontal bone, Wilson P; Chumas P; van der Walt JD, Clin Radiol 1990; **42:** 289

cellular radiosensitivity of primary head and neck squamous cell carcinomas and local tumor control, Brock WA; Baker FL; Wike JL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1283

cervical lymph node metastasis: assessment of radiologic criteria, van den Brekel MWM; Stel HV; Castelijns JA; Nauta JJP; van der Waal I; Valk J; Meyer CJLM; Snow GB, Radiology 1990; **177:** 379

clinical-radiologic issues in perineural tumor spread of malignant diseases of the extracranial head and neck, Parker GD; Harnsberger HR, Radiographics 1991; **11:** 383

computed tomography of benign mesenchymoma of the neck, Darwin RH; Laine FJ; DeBlois GG; et al, JCAT 1989; **13:** 514

contemporary imaging methodology for diagnosis of lesions of the head and upper neck, Reede DL; Bergeron RT; Holliday R, Clin Imag 1989; **13:** 179

differential diagnosis of head and neck lesions based on their space of origin. 1. the suprahyoid part of the neck, Harnsberger HR; Osborn AG, AJR 1991; **157:** 147

differential diagnosis of head and neck lesions based on their space of origin. 2. the infrahyoid portion of the neck, Smoker WRK; Harnsberger HR, AJR 1991; **157:** 155

does node location affect the incidence of distant metastases in head and neck squamous cell carcinoma?, Ellis ER; Mendenhall WM; Rao PV; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 293

effect of sequential methotrexate and 5-fluorouracil in patients with recurrent head and neck cancer, Lindelöv B; Hansen HS, Acta Oncol 1989; **28:** 227

extracranial lesions of the head and neck: preliminary experience with Gd-DTPA—enhanced MR imaging, Robinson JD; Crawford SC; Teresi LM; Schiller VL; Lufkin RB; Harnsberger HR; Dietrich RB; Crim JR; Duckwiler GR; Spickler EM; Hanafee WN, Radiology 1989; **172:** 165

extranodal head and neck non-Hodgkin's lymphomas in children in Finland, Usenius T; Vornanen M; Kärjä J; et al, Acta Oncol 1990; **29:** 529

Gd-HP-DO3A in clinical MR imaging of the brain, Runge VM; Gelblum DY; Pacetti ML; Carolan F; Heard G, Radiology 1990; **177:** 393

germ cell neoplasms of head and neck soft tissues: a pathologic spectrum of teratomatous and endodermal sinus tumors, (ab), Dehner LP; Mills A; Talerman A; et al, Radiology 1990; **177:** 295

head and neck lesions: MR-guided aspiration biopsy, Duckwiler GR; Lufkin RB; Teresi LM; Spickler E; Dion JE; Viñuela F; Bentson JR; Hanafee WN, Radiology 1989; **170:** 519

head and neck radiology: RSNA '89 meeting notes, Som PM; Curtin HD; Reede DL; Holliday RA; Mancuso AA, Radiology 1990; **174:** 909

head and neck radiology. RSNA '90 meeting notes, Som PM; Curtin HD; Holliday RA; Kassel E; Reede DL; Hasso AN, Radiology 1991; **178:** 599

head and neck reconstruction with pectoralis major myocutaneous flap: CT evaluation, Ohgi K; Kohno A; Itabashi K; et al, JCAT 1990; **14:** 286

imaging of intra- and extraabdominal desmoid tumors, Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G, Radiographics 1991; **11:** 959

induction chemotherapy in advanced head and neck cancer: preliminary results of a randomized study, Brunin F; Rodriguez J; Jaulerry C; et al, Acta Oncol 1989; **28:** 61

infra-hyoid metastases in supra-hyoid squamous cell carcinoma, Cowan IA; Wells SW, Australas Radiol 1991; **35:** 163

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

intraoperative I-125 seed implantation for extensive recurrent head and neck carcinomas, Lee D-J; Liberman FZ; Park RI; Zinreich ES, Radiology 1991; **178:** 879

lymphoma of the head and neck, De Peña CA; Van Tassel P; Lee Y-Y, Radiol Clin North Am 1990; **28:** 723

malignant carotid artery invasion: sonographic detection, Gooding GAW; Langman AW; Dillon WP; Kaplan MJ, Radiology 1989; **171:** 435

Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN, Radiology 1991; **179:** 579

metabolic imaging of patients with intracranial tumors: H-1 MR spectroscopic imaging and PET, Luyten PR; Marien AJH; Heindel W; van Gerwen PHJ; Herholz K; den Hollander JA; Friedmann G; Heiss W-D, Radiology 1990; **176:** 791

mixed neutron/photon irradiation of unresectable squamous cell carcinomas of the head and neck: the final report of a randomized cooperative trial, Griffin TW; Pajak TF; Maor MH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 959

MR imaging of perineural metastasis along the vidian nerve, Pandolfo I; Gaeta M; Blandino A; et al, JCAT 1989; **13:** 498

multiple primary cancer in patients with cancer of the head and neck: second cancer of the head and neck, esophagus, and lung, Licciardello JTW; Spitz MR; Hong WK, Int J Radiat Oncol Biol Phys 1989; **17:** 467

occult metastatic neck disease: detection with US and US-guided fine-needle aspiration cytology, van den Brekel MWM; Castelijns JA; Stel HV; Luth WJ; Valk J; van der Waal I; Snow GB, Radiology 1991; **180:** 457

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

osteocartilaginous tumors in the parapharyngeal space arising from bone exostoses, Russell EJ; Levy JM; Breit R; et al, AJNR 1990; **11:** 993

P-31 spectroscopy study of response of superficial human tumors to therapy, Karczmar GS; Meyerhoff DJ; Boska MD; Hubesch B; Poole J; Matson GB; Valone F; Weiner MW, Radiology 1991; **179:** 149

perineural tumor extension through the foramen ovale: evaluation with MR imaging, Laine FJ; Braun IF; Jensen ME; Nadel L; Som PM, Radiology 1990; **174:** 65

phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; **1:** 47

phase I/II study of Fluosol®-DA and 100% oxygen as an adjuvant to radiation in the treatment of advanced squamous cell tumors of the head and neck, Lustig R; McIntosh-Lowe N; Rose C; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1587

postoperative irradiation for squamous cell carcinoma of the head and neck: an analysis of treatment results and complications, Amdur RJ; Parsons JT; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 25

predictive value of serum alkaline DNase activity variations in treatment of head and neck cancer, Economidou-Karaoglou A; Opsomer M; Lans M; et al, Acta Oncol 1990; **29:** 163

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

prognostic factors in head and neck non-Hodgkin's lymphoma with special reference to serum lactic dehydrogenase and serum copper, Hisamitsu S; Shibuya H; Hoshina M; et al, Acta Oncol 1990; **29:** 879

radiation therapy for early glottic cancer (T1N0M0): II. prospective randomized study concerning radiation field, Teshima T; Chatani M; Inoue T, Int J Radiat Oncol Biol Phys 1990; **18:** 119

radiologic evaluation of the normal and diseased posterior cervical space, Parker GD; Harnsberger HR, AJR 1991; **157:** 161

radiologic role in diagnosis, staging, and follow-up of neoplasia of the brain, spine, and head and neck, Harnsberger HR; Dillon WP, Semin US CT MR 1989; **10:** 431

randomized clinical trial of mitomycin C as an adjunct to radiotherapy in head and neck cancer, Weissberg JB; Son YH; Papac RJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 3

recurrent tumors of the head and neck, pelvis, and chest wall: treatment with hyperthermia and brachytherapy, Rafla S; Parikh K; Tchelebi M; Youssef E; Selim H; Bishay S, Radiology 1989; **172:** 845

retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS, Radiology 1990; **174:** 59

rhabdomyosarcomas in the head and neck: MR imaging evaluation, Yousem DM; Lexa FJ; Bilaniuk LT; Zimmerman RI, Radiology 1990; **177:** 683

role of adjuvant chemotherapy in the treatment of advanced head and neck cancer, Hill BT; Price LA, Acta Oncol 1990; **29:** 695

role of gadolinium-DTPA in the evaluation of extracranial head and neck mass lesions, Crawford SC; Harnsberger HR; Lufkin RB; et al, Radiol Clin North Am 1989; **27:** 219

second malignancies in patients who have head and neck cancer: incidence, effect on survival and implications based on the RTOG experience, Cooper JS; Pajak TF; Rubin P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 449

split-course versus continuous-course irradiation in the postoperative setting for squamous cell carcinoma of the head and neck, Amdur RJ; Parsons JT; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 279

surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607

treatment of head and neck cancer with combined modalities, Adams GL, Invest Radiol 1989; **24:** 562

tumors of the neck showing thymic or related branchial pouch differentiation: a unifying concept, (ab), Chan JKC; Rosai J, Radiology 1991; **181:** 295

Head and neck neoplasms, CT

Castleman disease in the neck: atypical appearance on CT, Chaloupka JC; Castillo M; Hudgins P, AJR 1990; **154:** 1051

cervical lymph node metastasis: assessment of radiologic criteria, van den Brekel MWM; Stel HV; Castelijns JA; Nauta JJP; van der Waal I; Valk J; Meyer CJLM; Snow GB, Radiology 1990; **177:** 379

computed tomography of cranial metastatic malignant melanoma: features, early detection and unusual cases, McGann GM; Platts A, Br J Radiol 1991; **64:** 310

primary myxoma of the cranium: CT findings, Ng S-H; Tang L-M; Wai Y-Y; et al, JCAT 1989; **13:** 903

Head and neck neoplasms, metastases

effect of local-regional control on distant metastatic dissemination in carcinoma of the head and neck: results of an analysis from the RTOG head and neck database, Leibel SA; Scott CB; Mohiuddin M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 549

Head and neck neoplasms, MR

cervical lymph node metastasis: assessment of radiologic criteria, van den Brekel MWM; Stel HV; Castelijns JA; Nauta JJP; van der Waal I; Valk J; Meyer CJLM; Snow GB, Radiology 1990; **177:** 379

detection and characterization of metastatic cervical adenopathy by MR imaging: comparison of different MR techniques, van den Brekel MWM; Castelijns JA; Stel HV; et al, JCAT 1990; **14:** 581

Gd-HP-DO3A in clinical MR imaging of the brain, Runge VM; Gelblum DY; Pacetti ML; Carolan F; Heard G, Radiology 1990; **177:** 393

improved detection and delineation of head and neck lesions with fat suppression spin-echo MR imaging, Tien RD; Hesselink JR; Chu PK; et al, AJNR 1991; **12:** 19

rhabdomyosarcomas in the head and neck: MR imaging evaluation, Yousem DM; Lexa FJ; Bilaniuk LT; Zimmerman RI, Radiology 1990; **177:** 683

Head and neck neoplasms, radionuclide studies

extracranial metastatic glioblastoma: appearance on thallium-201-chloride/technetium-99m-HMPAO SPECT images, Carvalho PA; Schwartz RB; Alexander E III; et al, J Nucl Med 1991; **32:** 322

glucose uptake, perfusion, and cell proliferation in head and neck tumors: relation of positron emission tomography to flow cytometry, Haberkorn U; Strauss LG; Reisser C; et al, J Nucl Med 1991; **32:** 1548

iodine-123-metaiodobenzylguanidine scintigraphy in patients with chemodectomas of the head and neck region, van Gils APG; van der Mey AGL; Hoogma RPLM; et al, J Nucl Med 1990; **31:** 1147

Head and neck neoplasms, therapeutic radiology

accelerated superfractionated irradiation for advanced carcinoma of the head and neck: concomitant boost technique, Schmidt-Ullrich RK; Johnson CR; Wazer DE; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 563

carboplatin (CBDCA) and radiotherapy for stage IV carcinoma of the head and neck: a phase I-II study, Jacobs MC; Eisenberger M; Oh MC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 361

cervical metastases from unknown primaries: radiotherapeutic management and appearance of subsequent primaries, Marcial-Vega VA; Cardenes H; Perez CA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 919

combined postoperative radiotherapy and weekly cisplatin infusion for locally advanced squamous cell carcinoma of the head and neck: preliminary report of a randomized trial, Bachaud J-M; David J-M; Boussin G; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 243

concomitant chemotherapy-radiation therapy followed by hyperfractionated radiation therapy for advanced unresectable head and neck cancer, Harrison LB; Pfister DG; Fass DE; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 703

concomitant cisplatin chemotherapy and radiotherapy in advanced mucosal squamous cell carcinoma of the head and neck: long-term results of the radiation therapy oncology group study 81-17, (ab), Marcial VA; Pajak TF; Mohiuddin M; et al, Radiology 1991; **180:** 888

continuous hyperfractionated accelerated radiotherapy in locally advanced carcinoma of the head and neck region, Saunders MI; Dische S; Hong A; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1287

DNA flow cytometry in the prediction of survival and response to radiotherapy in head and neck cancer: a review, Joensuu H, Acta Oncol 1990; **29:** 513

does node location affect the incidence of distant metastases in head and neck squamous cell carcinoma?, Ellis ER; Mendenhall WM; Rao PV; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 293

effect of dose rate on local control and complications in the reirradiation of head and neck tumors with interstitial iridium-192, Fontanesi J; Hetzler D; Ross J, Int J Radiat Oncol Biol Phys 1989; **17:** 365

experience with CHART, Saunders MI; Dische S; Grosch EJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 871

histological and immunohistochemical prediction for local control of cervical squamous cell carcinoma treated with radiotherapy alone, Nakano T; Oka K; Arai T, Int J Radiat Oncol Biol Phys 1990; **19:** 1011

improved dose homogeneity in the head and neck using computer controlled radiation therapy, Lane RG; Loyd MD; Chow CH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1531

influence of extent of neck treatment upon control of cervical lymphadenopathy in cancers of the oral tongue, Spaulding CA; Korb LJ; Constable WC; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 577

interstitial IR-192 implants of the oral cavity: the planning and construction of volume implants, Schmidt-Ullrich R; Zwicker RD; Wu A; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1079

iridium-192 applicator for the treatment of stomal recurrence following tracheostomy for subglottic carcinoma, Jones RD; Clarkson DG; Symonds RP; et al, Br J Radiol 1991; **64:** 270

is it possible to predict the outcome of radiation therapy of head and neck cancer?, Nordman E; Joensuu H; Kellokumpu-Lehtinen P; et al, Acta Oncol 1990; **29:** 521

metoclopramide enhances the effect of ionizing radiation on xenografted squamous cell carcinoma of the head and neck, Lybak S; Kjellén E; Wennerberg J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1419

mixed neutron/photon irradiation of unresectable squamous cell carcinomas of the head and neck: the final report of a randomized cooperative trial, Griffin TW; Pajak TF; Maor MH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 959

morbidity of salvage surgery following conventional radiotherapy and continuous, hyperfractionated accelerated radiotherapy (CHART), Rugg T; Lartigau E; Sanders R; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 581

optimization of uncomplicated control for head and neck tumors, Ågren A; Brahme A; Turesson I, Int J Radiat Oncol Biol Phys 1990; **19:** 1077

phase I study of prolonged infusion 5-fluorouracil and concomitant radiation therapy in patients with squamous cell cancer of the head and neck, Weppelmann B; Wheeler RH; Peters GE; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 357

phase I/II study of Fluosol®-DA and 100% oxygen as an adjuvant to radiation in the treatment of advanced squamous cell tumors of the head and neck, Lustig R; McIntosh-Lowe N; Rose C; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1587

postoperative irradiation for squamous cell carcinoma of the head and neck: an analysis of treatment results and complications, Amdur RJ; Parsons JT; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 25

predictive value of cell kinetic measurements in a European trial of accelerated fractionation in advanced head and neck tumors: an interim report, Begg AC; Hofland I; Moonen L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1449

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

prognostic factors in patients with early stage non-Hodgkin's lymphomas of the head and neck treated with definitive irradiation, Goldwein JW; Coia LR; Hanks GE, Int J Radiat Oncol Biol Phys 1991; **20:** 45

radiation-induced morphological changes and radiocurability in squamous cell carcinoma of the head and neck region: a preliminary report, Kellokumpu-Lehtinen P; Söderström K-O; Kortekangas A; et al, Acta Oncol 1990; **29:** 517

radiation therapy for early glottic cancer (T1N0M0): II. prospective randomized study concerning radiation field, Teshima T; Chatani M; Inoue T, Int J Radiat Oncol Biol Phys 1990; **18:** 119

radiation therapy for head and neck cancers in the elderly, Lusinchi A; Bourhis J; Wibault P; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 819

radiotherapy by multiple fractions per day (MFD) in head and neck cancer: acute reactions of skin and mucosa, Van der Schueren E; Van den Bogaert W; Vanuytsel L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 301

radiotherapy of T1 glottic cancer with 6 MeV X rays, Akine Y; Tokita N; Ogino T; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1215

randomized clinical trial of mitomycin C as an adjunct to radiotherapy in head and neck cancer, Weissberg JB; Son YH; Papac RJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 3

randomized study of 5 fluorouracil and cis platin as neoadjuvant therapy in head and neck cancer: a preliminary report, Martin M; Hazan A; Vergnes L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 973

randomized study of preoperative versus postoperative radiation therapy in advanced head and neck carcinoma: long-term follow-up of RTOG study 73-03, Tupchong L; Scott CB; Blitzer PH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 21

relation between responses to induction chemotherapy and subsequent radiotherapy in advanced or multicentric squamous cell carcinomas of the head and neck, Panis X; Coninx P; Nguyen TD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1315

role of hemoglobin concentration in the outcome of misonidazole-sensitized radiotherapy of head and neck cancers: based on RTOG trial #79-15, Fazekas JT; Scott C; Marcial V; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1177

single fraction per day versus two fractions per day versus radiochemotherapy in the treatment of head and neck cancer, Sanchiz F; Millá A; Torner J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1347

smoking and mucosal reactions to radiotherapy, Rugg T; Saunders MI; Dische S, Br J Radiol 1990; **63:** 554

split-course versus continuous-course irradiation in the postoperative setting for squamous cell carcinoma of the head and neck, Amdur RJ; Parsons JT; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 279

treatment of head and neck cancer with combined modalities, Adams GL, Invest Radiol 1989; **24:** 562

Head and neck neoplasms, therapy

cisplatin and tegafur in recurrent head and neck cancer: a phase II study, Keldsen N; Dalmark M, Acta Oncol 1990; **29:** 589

concomitant chemotherapy-radiation therapy followed by hyperfractionated radiation therapy for advanced unresectable head and neck cancer, Harrison LB; Pfister DG; Fass DE; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 703

induction chemotherapy (cisplatin +5-fluorouracil) and radiotherapy in advanced squamous cell carcinoma of the head and neck, Tennvall J; Albertsson M; Biörklund A; et al, Acta Oncol 1991; **30:** 27

Heart

See also Coronary vessels; Myocardium; Pericardium

effect of heart rate on Doppler measurements of resistive index in renal arteries, Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D, Radiology 1990; **175:** 511

training effects of long versus short bouts of exercise in healthy subjects, (ab), DeBusk RF; Stenestrand U; Sheehan M; et al, Radiology 1990; **177:** 892

Heart, abnormalities

abnormalities of the pulmonary veins: evaluation with MR imaging and comparison with cardiac angiography and echocardiography, Masui T; Seelos KC; Kersting-Sommerhoff BA; Higgins CB, Radiology 1991; **181:** 645

acquired neuropathologic lesions associated with the hypoplastic left heart syndrome, (ab), Glauser TA; Rorke LB; Weinberg PM; et al, Radiology 1990; **177:** 895

aortico-left ventricular tunnel: diagnosis by cine angiocardiography, Guo D-W, AJR 1989; **152:** 345

congenital cardiac anomalies: prenatal sonographic diagnosis, Brown DL; Emerson DS; Cartier MS; et al, AJR 1989; **153:** 109

determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; **171:** 213

genetic disorders and major extracardiac anomalies associated with hypoplastic left heart syndrome, (ab), Natowicz M; Chatten J; Clancy R; et al, Radiology 1989; **172:** 590

hypoplastic left heart syndrome: natural history in a geographically defined population, (ab), Morris CD; Outcalt J; Menashe VD, Radiology 1990; **177:** 895

magnetic resonance imaging in the evaluation of postoperative congenital heart defects, Gutierrez F; Mirowitz S; Canter C, Semin US CT MR 1990; **11:** 234

MR imaging of double chambered left ventricle, Caron KH; Hernandez RJ; Goble M; et al, JCAT 1991; **15:** 140

MR imaging of double outlet right ventricle, Mayo JR; Roberson D; Sommerhoff B; et al, JCAT 1990; **14:** 336

MR imaging of double-outlet right ventricle, Akins EW; Martin TD; Alexander JA; et al, AJR 1989; **152:** 128

MR imaging of the criss-cross heart, Link KM; Weesner KM; Formanek AG, AJR 1989; **152:** 809

pediatric case of the day, Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT, Radiographics 1990; **10:** 119

right ventricle wall motion abnormalities in patients treated with chemotherapy, Barendswaard EC; Prpic H; Van der Wall EE; et al, Clin Nucl Med 1991; **16:** 513

scintigraphic demonstration of dextrocardia and complete abdominal situs inversus, Dunseath R; Williams W; Patton D, Clin Nucl Med 1990; **15:** 501

soft tissue uptake on Tc-99m MDP bone scan after cardioversion, Vanhecke W; Merckx E; De Roo M; et al, Clin Nucl Med 1989; **14:** 923

spectrum of heterotaxic syndromes, Winer-Muram HT; Tonkin ILD, Radiol Clin North Am 1989; **27:** 1147

tetralogy of Fallot: MR findings, Mirowitz SA; Gutierrez FR; Canter CE; Vannier MW, Radiology 1989; **171:** 207

use of Tc-99m MAA in determining the etiology of increasing cyanosis following SVC-PA anastomosis for the hypoplastic left heart syndrome, Glass T; Heyman S; Seliem M; et al, Clin Nucl Med 1991; **16:** 410

Heart, anatomy

automated identification of left ventricular borders from spin-echo magnetic resonance images: experimental and clinical feasibility studies, Fleagle SR; Thedens DR; Ehrhardt JC; et al, Invest Radiol 1991; **26:** 295

mitral stenosis: evaluation with MR imaging after percutaneous balloon valvuloplasty, Park JH; Han MC; Im J-G; Oh BH; Lee YW, Radiology 1990; **177:** 533

normal signal-void patterns in cardiac cine MR images, Mirowitz SA; Lee JKT; Gutierrez FR; Brown JJ; Eilenberg SS, Radiology 1990; **176:** 49

orthotopic cardiac transplantation: evaluation with CT, Henry DA; Corcoran HL; Lewis TD; Barnhart GR; Szentpetery S; Lower RR, Radiology 1989; **170:** 343

Heart, calcification

metastatic pulmonary calcifications after cardiac surgery in children, Mani TM; Lallemand D; Corone S; Mauriat P, Radiology 1990; **174:** 463

MR imaging of apical hypertrophic cardiomyopathy with left ventricular endomyocardial calcification, Kvaerness J; Rinck PA; Bolz K-D; et al, JCAT 1991; **15:** 489

Heart, catheterization

See Heart, interventional procedure

Heart, CT

advances in cardiac imaging modalities: fast computed tomography, magnetic resonance imaging, and positron emission tomography, Caputo GR; Higgins CB, Invest Radiol 1990; **25:** 838

complications of automatic implantable cardioverter defibrillators: radiographic, CT, and echocardiographic evaluation, Goodman LR; Almassi GH; Troup PJ; Gurney JW; Veseth-Rogers J; Chapman PD; Wetherbee JN, Radiology 1989; **170:** 447

computed tomography of cardiac and pericardial tumors, Dawson WB; Mayo JR; Müller NL, J Canad Assoc Radiol 1990; **41:** 270

congenital heart disease: applications of computed tomography and magnetic resonance imaging, Schlesinger AE; Hernandez RJ, Semin US CT MR 1991; **12:** 11

CT appearance of the giant left atrium, Root JD; Hammerman AM; Fischer KC, Clin Imag 1990; **14:** 305

determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; **171:** 213

leukemic infiltrates of the heart: CT findings, McAdams HP; Schaefer PS; Ghaed VN, JCAT 1989; **13:** 525

orthotopic cardiac transplantation: evaluation with CT, Henry DA; Corcoran HL; Lewis TD; Barnhart GR; Szentpetery S; Lower RR, Radiology 1989; **170:** 343

ultrafast computed tomography in cardiac imaging: a review, Stanford W; Galvin JR; Weiss RM; et al, Semin US CT MR 1991; **12:** 45

ultrafast computed tomography techniques in cardiac disease, Flicker S; Naidech HJ; Altin RS; et al, J Thorac Imag 1989; **4-3:** 42

validation of ultrafast computed tomographic left ventricular volume measurement, Pietras RJ; Wolfkiel CJ; Veselik K; et al, Invest Radiol 1991; **26:** 28

Heart, defibrillator

complications of automatic implantable cardioverter defibrillators: radiographic, CT, and echocardiographic evaluation, Goodman LR; Almassi GH; Troup PJ; Gurney JW; Veseth-Rogers J; Chapman PD; Wetherbee JN, Radiology 1989; **170:** 447

Heart, diseases

association of congenital neuroblastoma and congenital heart disease: is there a common embryologic basis?, Bellah R; D'Andrea A; Darillis E; et al, Pediatr Radiol 1989; **19:** 119

cardiac radiology. RSNA '89 meeting notes, Youker JE; Baron MG; Gomes AS; Higgins CB; Soulen RL, Radiology 1990; **174:** 598

cardiac radiology. RSNA '90 meeting notes, Youker JE; Baron MG; Gomes AS; Herfkens RJ; Higgins CB; Pettigrew R; Soulen RL, Radiology 1991; **178:** 605

cardiac sarcoidosis demonstrated by Tl-201 and Ga-67 SPECT imaging, Taki J; Nakajima K; Bunko H; et al, Clin Nucl Med 1990; **15:** 636

congenital heart disease: applications of computed tomography and magnetic resonance imaging, Schlesinger AE; Hernandez RJ, Semin US CT MR 1991; **12:** 11

determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; **171:** 213

dynamic magnetic resonance imaging in acquired heart disease, Pettigrew RI, Semin US CT MR 1991; **12:** 61

evaluation of fetal structural heart disease using color flow mapping, Chiba Y; Kanzaki T; Kobayashi H; et al, Ultrasound Med Biol 1990; **16:** 221

evaluation of surgical procedures for cyanotic congenital heart disease by using MR imaging, Kersting-Sommerhoff BA; Seelos KC; Hardy C; et al, AJR 1990; **155:** 259

frequency of familial nature of dilated cardiomyopathy and usefulness of cardiac transplantation in this subset, (ab), Valantine HA; Hunt SA; Fowler MB; et al, Radiology 1990; **174:** 587

interventional catheterization in congenital heart disease, Medellin GJ; Di Sessa TG; Tonkin ILD, Radiol Clin North Am 1989; **27:** 1223

magnetic resonance imaging of congenital heart disease in the pediatric patient, Bisset GS III, Radiol Clin North Am 1991; **29:** 279

morphological diagnosis of congenital and acquired heart disease by magnetic resonance imaging, Sieverding L; Klose U; Apitz J, Pediatr Radiol 1990; **20:** 311

MR anatomy of ventricular septal defect in double-outlet right ventricle with situs solitus and atrioventricular concordance, Yoo S-J; Lim TH; Park I-S; Hong CY; Song MG; Kim SH; Lee HJ, Radiology 1991; **181:** 501

multichannel biomagnetic system for study of electrical activity in the brain and heart, Schneider S; Hoenig E; Reichenberger H; Abraham-Fuchs K; Moshage W; Oppelt A; Stefan H; Weikl A; Wirth A, Radiology 1990; **176:** 825

pulmonary vascularity in pediatric heart disease, Swischuk LE; Stansberry SD, J Thorac Imag 1989; **4-3:** 1

radiographic manifestations of congenital heart disease in the adult patient, Gross GW; Steiner RM, Radiol Clin North Am 1991; **29:** 293

radiology of right heart dysfunction: chest roentgenogram and computed tomography, Stanford W; Galvin JR, J Thorac Imag 1989; **4-3:** 7

sonographic screening for renal tract anomalies associated with congenital heart disease, Murugasu B; Yip WCL; Tay JSH; et al, JCU 1990; **18:** 79

ultrafast computed tomography techniques in cardiac disease, Flicker S; Naidech HJ; Altin RS; et al, J Thorac Imag 1989; **4-3:** 42

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; **177:** 537

Heart, effects of drugs on

cocaine-induced heart disease: mechanisms and pathology, Laposata EA, J Thorac Imag 1991; **6-1:** 68

effects of contrast media on myocardial function during acute left ventricular failure in the dog, Kløw N-E; Hevrøy O; Dale K; et al, Invest Radiol 1990; **25:** 41

effects of drugs on the radiographic appearance of the heart, Boxt LM; Katz J, J Thorac Imag 1991; **6-1:** 76

failure of preventing 5-fluorouracil cardiotoxicity by prophylactic treatment with verpamil, Eskilsson J; Albertsson M, Acta Oncol 1990; **29:** 1001

perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR, Radiology 1990; **175:** 103

^{31}P NMR spectroscopy in chronic adriamycin cardiotoxicity, Bittner V; Reeves RC; Digerness SB; et al, Magn Res Med 1991; **17:** 69

reducing the risk of ventricular fibrillation by adding sodium to ionic and non-ionic contrast media with low iodine concentration: coronary perfusion of the isolated rabbit heart with meglumine diatrizoate or iopentol at 140 mg I/ml and 0–154 mmol Na^+/l, Bååth L; Almén T, Acta Radiol 1989; **30:** 207

reversibility of chronic alcohol cardiac depression: ^{31}P magnetic resonance spectroscopy in hamsters, Auffermann W; Wu S; Parmley WW; et al, Magn Res Med 1989; **9:** 343

Heart, effects of irradiation on

alteration of cardiac myosin isozymes after whole-body irradiation, Litten RZ; Walden TL; Gainey GT; et al, Br J Radiol 1989; **62:** 189

pericarditis and myocardial infarctions after Hodgkin's disease therapy, Cosset JM; Henry-Amar M; Pellae-Cosset B; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 447

physiologic consequences of local heart irradiation in rats, Geist BJ; Lauk S; Bornhausen M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1107

radiation effects on left ventricular function and myocardial perfusion in long term survivors of Hodgkin's disease, Savage DE; Constine LS; Schwartz RG; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 721

Heart, ejection fraction

accuracy and reproducibility of left ventricular ejection fraction measurements using an ambulatory radionuclide left ventricular function monitor, de Yang L; Bairey CN; Berman DS; et al, J Nucl Med 1991; **32:** 796

biventricular function during postextrasystolic potentiation in man: a study using list-mode radionuclide ventriculography, Polak JF; Hirsowitz GS; Holman BL; et al, Invest Radiol 1989; **24:** 20

comparison of left ventricular ejection fraction by magnetic resonance imaging and radionuclide ventriculography in idiopathic dilated cardiomyopathy, (ab), Gaudio C; Tanzilli G; Mazzarotto P; et al, Radiology 1991; **181:** 613

determination of left ventricular volume and mass with use of biphasic spin-echo MR imaging: comparison with cine MR, Caputo GR; Suzuki J-I; Kondo C; Cho H; Quaife R; Higgins CB; Parker DL, Radiology 1990; **177:** 773

normalization of left ventricular ejection fraction following resection of pheochromocytoma in a patient with dilated cardiomyopathy, Hicks RJ; Wood B; Kalff V; et al, Clin Nucl Med 1991; **16:** 413

normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB, Radiology 1990; **174:** 763

rapid method for standardization of the gated radionuclide left ventricular ejection fraction, Purnell GL; Baker BJ; Murphy MM; et al, Clin Nucl Med 1990; **15:** 552

realistic dynamic cardiac phantom for evaluating radionuclide ventriculography: description and initial studies with the left ventricular chamber, Simon TR; Walker BS; Matthiesen S; et al, J Nucl Med 1989; **30:** 542

relative accuracy of three scintigraphic methods for determination of right ventricular ejection fraction: a correlative study with ultrafast computed tomography, Rezai K; Weiss R; Stanford W; et al, J Nucl Med 1991; **32:** 429

reproducibility in the analysis of multigated radionuclide studies of left ventricular ejection fraction, Gjørup T; Kelbaek H; Vestergaard B; et al, Invest Radiol 1989; **24:** 104

reproducibility of radionuclide left ventricular ejection fraction in patients awaiting cardiac transplantation, Keogh AM; Eberl S; Yeates MG; et al, Clin Nucl Med 1990; **15:** 25

transfer function analysis of the ventricular function: a new method for calculating right ventricular ejection fraction, Wu L-C; Yeh S-H; Chen Z; et al, J Nucl Med 1990; **31:** 1294

Heart, experimental studies

biomagnetic localization of ventricular arrhythmias, Moshage W; Achenbach S; Göhl K; Weikl A; Bachmann K; Wegener P; Schneider S; Härer W, Radiology 1991; **180:** 685

cardiovascular MR imaging with iron oxide particles: utility of a superparamagnetic contrast agent and the role of diffusion in signal loss, Rozenman Y; Zou X; Kantor HL, Radiology 1990; **175:** 655

demarcation of myocardial ischemia: magnetic susceptibility effect of contrast medium in MR imaging, Saeed M; Wendland MF; Tomei E; Rocklage SM; Quay SC; Moseley ME; Wolfe C; Higgins CB, Radiology 1989; **173:** 763

first-pass cardiac perfusion: evaluation with ultrafast MR imaging, Atkinson DJ; Burstein D; Edelman RR, Radiology 1990; **174:** 757

magnetization transfer contrast in MR imaging of the heart, Balaban RS; Chesnick S; Hedges K; Samaha F; Heineman FW, Radiology 1991; **180:** 671

multichannel biomagnetic system for study of electrical activity in the brain and heart, Schneider S; Hoenig E; Reichenberger H; Abraham-Fuchs K; Moshage W; Oppelt A; Stefan H; Weikl A; Wirth A, Radiology 1990; **176:** 825

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

Heart, failure

4-F coaxial catheter system for pediatric vascular occlusion with detachable balloons, Burrows PE; Lasjaunias P; TerBrugge KG, Radiology 1989; **170:** 1091

assessment of congestive heart failure in chest radiographs: observer performance with two common film-screen systems, Henriksson L; Sundin A; Smedby O; et al, Acta Radiol 1990; **31:** 469

bilateral basal Xe-133 retention and ventilation/perfusion patterns in mild and subclinical congestive heart failure, Lee HK; Skarzynski JJ; Spadaro A, Clin Nucl Med 1989; **14:** 885

flow changes in hepatic veins in congestive cardiac insufficiency: a study using pulsed Doppler US, Alvarez G; Sanchez la Fuente J; Lopez J; et al, Eur J Radiol 1989; **9:** 163

gleaning physiologic information from the conventional chest radiograph, Ravin CE, Radiology 1991; **179:** 17

inhomogeneous enhancement of liver parenchyma secondary to passive congestion: contrast-enhanced CT, Holley HC; Koslin DB; Berland LL; Stanley RJ, Radiology 1989; **170:** 795

limited correlation of left ventricular end-diastolic pressure with radiographic assessment of pulmonary hemodynamics, Herman PG; Khan A; Kallman CE; Rojas KA; Carmody DP; Bodenheimer MM, Radiology 1990; **174:** 721

portal blood flow in congestive heart failure: pulsed duplex sonographic findings, Hosoki T; Arisawa J; Marukawa T; Tokunaga K; Kuroda C; Kozuka T; Nakano S, Radiology 1990; **174:** 733

pulmonary artery–bronchus ratios in patients with normal lungs, pulmonary vascular plethora, and congestive heart failure, Woodring JH, Radiology 1991; **179:** 115

pulmonary edema localized in the right upper lobe accompanying mitral regurgitation, Gurney JW; Goodman LR, Radiology 1989; **171:** 397

pulsatile portal vein in cases of congestive heart failure: correlation of duplex Doppler findings with right atrial pressures, Duerinckx AJ; Grant EG; Perrella RR; Szeto A; Tessler FN, Radiology 1990; **176:** 655

usefulness of Doppler echocardiography in the diagnosis of congestive heart failure, (ab), Aguirre FV; Pearson AC; Lewen MK; et al, Radiology 1990; **174:** 293

Heart, flow dynamics

continual NMR cardiography without gating: M-mode MR imaging, Pearlman JD; Hardy CJ; Cline HE, Radiology 1990; **175:** 369

Doppler assessment of changes in rightsided cardiac hemodynamics after pulmonary thromboendarterectomy, (ab), Chow LC; Dittrich HC; Hoit BD; et al, Radiology 1989; **170:** 586

electrocardiograph-independent, "wireless" cardiovascular cine MR imaging, White RD; Paschal CB; Clampitt ME; Spraggins TA; Lenz GW, JMRI 1991; **1:** 347

influence of heart rate and age on diastolic blood flow velocity in the left ventricular inflow tract, van Dam I; Delemarre B; Hopman J; et al, JCU 1989; **17:** 339

limited correlation of left ventricular end-diastolic pressure with radiographic assessment of pulmonary hemodynamics, Herman PG; Khan A; Kallman CE; Rojas KA; Carmody DP; Bodenheimer MM, Radiology 1990; **174:** 721

normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB, Radiology 1990; **174:** 763

valve and great vessel stenosis: assessment with MR jet velocity mapping, Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB, Radiology 1991; **178:** 229

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; **177:** 537

Heart, foreign bodies

use of ultrasound for localization of a foreign object in the heart, Giyanani VL; Fertel D; Eggerstedt J, JCU 1989; **17:** 379

Heart, function

biomagnetic localization of ventricular arrhythmias, Moshage W; Achenbach S; Göhl K; Weikl A; Bachmann K; Wegener P; Schneider S; Härer W, Radiology 1991; **180:** 685

biventricular function during postextrasystolic potentiation in man: a study using list-mode radionuclide ventriculography, Polak JF; Hirsowitz GS; Holman BL; et al, Invest Radiol 1989; **24:** 20

clinical validation of a miniature nuclear probe system for continuous on-line monitoring of cardiac function and ST-segment, Broadhurst P; Cashman P; Crawley J; et al, J Nucl Med 1991; **32:** 37

continual NMR cardiography without gating: M-mode MR imaging, Pearlman JD; Hardy CJ; Cline HE, Radiology 1990; **175:** 369

determination of left ventricular volume and mass with use of biphasic spin-echo MR imaging: comparison with cine MR, Caputo GR; Suzuki J-I; Kondo C; Cho H; Quaife R; Higgins CB; Parker DL, Radiology 1990; **177:** 773

effects of volume loading on left atrial systolic time intervals, Okamoto M; Tsubokura T; Morishita K; et al, JCU 1991; **19:** 405

electrocardiograph-independent, "wireless" cardiovascular cine MR imaging, White RD; Paschal CB; Clampitt ME; Spraggins TA; Lenz GW, JMRI 1991; **1:** 347

evaluation of ventricular function in patients with coronary artery disease, Rocco TP; Dilsizian V; Fischman AJ; et al, J Nucl Med 1989; **30:** 1149

evaluation of ventricular function with first-pass iridium-191m radionuclide angiocardiography, Hellman C; Zafrir N; Shimoni A; et al, J Nucl Med 1989; **30:** 450

multichannel biomagnetic system for study of electrical activity in the brain and heart, Schneider S; Hoenig E; Reichenberger H; Abraham-Fuchs K; Moshage W; Oppelt A; Stefan H; Weikl A; Wirth A, Radiology 1990; **176:** 825

myocardial tagging in polar coordinates with use of striped tags, Bolster BD Jr; McVeigh ER; Zerhouni EA, Radiology 1990; **177:** 769

noninvasive measurement of transmural gradients in myocardial strain with MR imaging, McVeigh ER; Zerhouni EA, Radiology 1991; **180:** 677

normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB, Radiology 1990; **174:** 763

quantification of three-dimensional left ventricular segmental wall motion and volumes from gated tomographic radionuclide ventriculograms, Faber TL; Stokely EM; Templeton GH; et al, J Nucl Med 1989; **30:** 638

ultrasound case of the day, Lee RA; Lewis BD, Radiographics 1990; **10:** 369

Heart, hypertrophy

left ventricular hypertrophy in persons age 90 years and older, (ab), Tuzcu EM; Golz SJ; Lever HM; et al, Radiology 1989; **172:** 885

limited myocardial perfusion reserve in patients with left ventricular hypertrophy, Goldstein RA; Haynie M, J Nucl Med 1990; **31:** 255

MRI evaluation of left ventricular hypertrophy in a canine model of aortic stenosis, Wang J-Z; Mezrich RS; Scholz P; et al, Invest Radiol 1990; **25:** 783

MR imaging of apical hypertrophic cardiomyopathy with left ventricular endomyocardial calcification, Kvaerness J; Rinck PA; Bolz K-D; et al, JCAT 1991; **15:** 489

usefulness of thallium-201 scintigraphy in predicting the development of angina pectoris in hypertensive patients with left ventricular hypertrophy, (ab), Tubau JF; Szlachcic J; Hollenberg M; et al, Radiology 1990; **174:** 901

Heart, infarction

acute, subacute, and chronic myocardial infarction: quantitative analysis of gadolinium-enhanced MR images, van Dijkman PRM; van der Wall EE; de Roos A; Matheijssen NAA; van Rossum AC; Doornbos J; van der Laarse A; van Voorthuisen AE; Bruschke AVG, Radiology 1991; **180:** 147

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; **170:** 391

myocardial infarct size after reperfusion therapy: assessment with Gd-DTPA–enchanced MR imaging, de Roos A; Matheijssen NAA; Doornbos J; van Dijkman PRM; van Voorthuisen AE; van der Wall EE, Radiology 1990; **176:** 517

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

reperfused and nonreperfused myocardial infarction: diagnostic potential of Gd-DTPA–enhanced MR imaging, de Roos A; van Rossum AC; van der Wall EE; Postema S; Doornbos J; Matheijssen NAA; van Dijkman PRM; Visser FC; van Voorthuisen AE, Radiology 1989; **172:** 717

reversible and irreversible injury in the reperfused myocardium: differentiation with contrast material–enhanced MR imaging, Saeed M; Wendland MF; Takehara Y; Higgins CB, Radiology 1990; **175:** 633

Heart, inflammation

See Endocarditis

Heart, injuries

detection of atrial perforation by hepatobiliary scintigraphy, duCret RP; Aafedt BC; Steinhorn D; et al, Clin Nucl Med 1990; **15:** 439

penetrating cardiac injuries, (ab), Attar S; Suter CM; Hankins JR; et al, Radiology 1991; **181:** 612

Heart, insufficiency

See Heart, failure

Heart, interventional procedure

contrast media-related complications during cardiac catheterization using Hexabrix™ or Renografin™ in high-risk patients, (ab), Feldman RL; Jalowiec DA; Hill JA; et al, Radiology 1989; **170:** 293

diagnostic and prognostic utility of right-sided catheterization and endomyocardial biopsy in idiopathic dilated cardiomyopathy, (ab), Popma JJ; Cigarroa RG; Buja LM; et al, Radiology 1990; **174:** 587

incidence and results of arterial complications among 16,350 patients under going cardiac catheterization, (ab), Babu SC; Piccorelli GO; Shah PM; et al, Radiology 1990; **175:** 291

incidence, risk factors, and clinical course of acute renal insufficiency after cardiac catheterization in patients 70 years of age or older: a prospective study, (ab), Rich MW; Crecelius CA, Radiology 1991; **178:** 292

interventional catheterization in congenital heart disease, Medellin GJ; Di Sessa TG; Tonkin ILD, Radiol Clin North Am 1989; **27:** 1223

intra-aortic counterpulsation balloon pumps: CT appearance, Soo MSC; Dash N; Lupetin AR; et al, Clin Imag 1990; **14:** 225

mitral stenosis: evaluation with MR imaging after percutaneous balloon valvuloplasty, Park JH; Han MC; Im J-G; Oh BH; Lee YW, Radiology 1990; **177:** 533

new device for transcatheter closure of the patent ductus arteriosus: a feasibility study in dogs, Magal C; Wright KC; Duprat G Jr; et al, Invest Radiol 1989; **24:** 272

percutaneous balloon mitral valvuloplasty by retrograde left atrial catheterization, (ab), Stefanadis C; Kouroukls C; Stratos C; et al, Radiology 1990; **177:** 293

percutaneous removal of transvenous pacing lead perforating the heart, pericardium, and pleura, Deutsch L-S; Dang H; Brandon JC; et al, AJR 1991; **156:** 471

repositioning of partially dislodged Greenfield filters from the right atrium by use of a tip deflection wire, (ab), Patterson RB; Fowl RJ; Lubbers DJ; et al, Radiology 1991; **178:** 294

retrograde left atrial catheterization, Repa I; Yedlicka JW; Hunter DW; Castaneda-Zuniga WR; Urness M; Amplatz K, Radiology 1989; **173:** 565

successful balloon valvotomy in isolated congenital tricuspid stenosis, Lokhandwala YY; Rajani RM; Dalvi BV; et al, Cardiovasc Intervent Radiol 1990; **13:** 354

thrombotic and cardiovascular complications related to nonionic contrast media during cardiac catheterization: analysis of 8,517 patients, (ab), Davidson CJ; Mark DB; Pieper KS; et al, Radiology 1991; **178:** 293

value of right-sided cardiac catheterization in patients undergoing left-sided cardiac catheterization for evaluation of coronary artery disease, (ab), Hill JA; Miranda AA; Keim SG; et al, Radiology 1990; **177:** 293

Heart, ischemia

enhanced sensitivity and specificity of thallium-201 imaging for the detection of regional ischemic coronary disease by combining SPECT with "bull's eye" analysis, Kasabali B; Woodard ML; Bekerman C; et al, Clin Nucl Med 1989; **14:** 484

first-pass cardiac perfusion: evaluation with ultrafast MR imaging, Atkinson DJ; Burstein D; Edelman RR, Radiology 1990; **174:** 757

heterotopic transplanted rat heart: a model for *in vivo* determination of phosphorus metabolites during ischemia and reperfusion, Rozenman Y; Kantor HL, Magn Res Med 1990; **13:** 450

intraoperative ultrasonic imaging of the ascending aorta in ischemic heart disease, (ab), Ohteki H; Itoh T; Natsuaki M; et al, Radiology 1991; **179:** 295

magnetic resonance spectroscopy: evaluation of ischemic heart disease, Schaefer S; Schwartz GG; Gober JR; et al, Invest Radiol 1989; **24:** 969

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

PET detection of viable tissue in myocardial segments with persistent defects at Tl-201 SPECT, Brunken RC; Kottou S; Nienaber CA; Schwaiger M; Ratib OM; Phelps ME; Schelbert HR, Radiology 1989; **172:** 65

quantitative two-dimensional echocardiographic assessment of left ventricular shape in ischemic heart disease, D'Cruz IA; Aboulatta H; Killam H; et al, JCU 1989; **17:** 569

scintigraphic diagnosis of right ventricular ischemia, Kim SM; Park CH; Intenzo CM, Clin Nucl Med 1991; **16:** 407

Heart, MR

0.3-second FLASH MRI of the human heart, Frahm J; Merboldt KD; Bruhn H; et al, Magn Res Med 1990; **13:** 150

3-D heart image reconstructed from MRI data, Kuwahara M; Eiho S, Comput Med Imag Graph 1991; **15:** 241

abnormalities of the pulmonary veins: evaluation with MR imaging and comparison with cardiac angiography and echocardiography, Masui T; Seelos KC; Kersting-Sommerhoff BA; Higgins CB, Radiology 1991; **181:** 645

acute, subacute, and chronic myocardial infarction: quantitative analysis of gadolinium-enhanced MR images, van Dijkman PRM; van der Wall EE; de Roos A; Matheijssen NAA; van Rossum AC; Doornbos J; van der Laarse A; van Voorthuisen AE; Bruschke AVG, Radiology 1991; **180:** 147

advances in cardiac imaging modalities: fast computed tomography, magnetic resonance imaging, and positron emission tomography, Caputo GR; Higgins CB, Invest Radiol 1990; **25:** 838

analysis of ^{23}Na NMR spectra from isolated perfused hearts, Kohler SJ; Perry SB; Stewart LC; et al, Magn Res Med 1991; **18:** 15

assessment of the right ventricle by magnetic resonance imaging in chronic obstructive lung disease, (ab), Turnbull LW; Ridgway JP; Biernacki W; et al, Radiology 1991; **178:** 896

automated identification of left ventricular borders from spin-echo magnetic resonance images: experimental and clinical feasibility studies, Fleagle SR; Thedens DR; Ehrhardt JC; et al, Invest Radiol 1991; **26:** 295

blood MR signal suppression by preexcitation with inverting pulses, Mayo JR; Culham JAG; MacKay AL; Aikins DG, Radiology 1989; **173:** 269

cardiac and vascular imaging with an MR snapshot technique, Matthaei D; Haase A; Henrich D; Dühmke E, Radiology 1990; **177:** 527

cardiac masses: assessment by MR imaging, Lund JT; Ehman RL; Julsrud PR; et al, AJR 1989; **152:** 469

cardiac radiology. RSNA '88 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, Radiology 1989; **170:** 606

cardiac radiology. RSNA '89 meeting notes, Youker JE; Baron MG; Gomes AS; Higgins CB; Soulen RL, Radiology 1990; **174:** 598

cardiac radiology. RSNA '90 meeting notes, Youker JE; Baron MG; Gomes AS; Herfkens RJ; Higgins CB; Pettigrew R; Soulen RL, Radiology 1991; **178:** 605

cardiovascular magnetic resonance imaging—state of the art 1988: summary of a symposium held at the North American Society of Cardiac Radiology Annual Meeting, April 30–May 1, 1988, Guthaner DF, Cardiovasc Intervent Radiol 1989; **12:** 213

cineangiography of the heart in a single breath hold with a segmented turboFLASH sequence, Atkinson DJ; Edelman RR, Radiology 1991; **178:** 357

cine magnetic resonance imaging for evaluation of congenital heart disease: role in pediatric cardiology compared with echocardiography and angiography, (ab), Chung KJ; Simpson IA; Newman R; et al, Radiology 1989; **172:** 590

cine MR imaging of valvular heart disease: display and imaging parameters affect the size of the signal void caused by valvular regurgitation, Suzuki J-i; Caputo GR; Kondo C; et al, AJR 1990; **155:** 723

comparison of magnetic resonance imaging with echocardiography and radionuclide angiography in assessing cardiac function and anatomy following Mustard's operation for transposition of the great arteries, (ab), Rees S; Somerville J; Warnes C; et al, Radiology 1989; **170:** 293

congenital heart disease: applications of computed tomography and magnetic resonance imaging, Schlesinger AE; Hernandez RJ, Semin US CT MR 1991; **12:** 11

continual NMR cardiography without gating: M-mode MR imaging, Pearlman JD; Hardy CJ; Cline HE, Radiology 1990; **175:** 369

determination of left ventricular volume and mass with use of biphasic spin-echo MR imaging: comparison with cine MR, Caputo GR; Suzuki J-I; Kondo C; Cho H; Quaife R; Higgins CB; Parker DL, Radiology 1990; **177:** 773

dynamic cardiac MR imaging: techniques and applications, Pettigrew RI, Radiol Clin North Am 1989; **27:** 1183

dynamic magnetic resonance imaging in acquired heart disease, Pettigrew RI, Semin US CT MR 1991; **12:** 61

effect of L-thyroxine (LT_4) and D-thyroxine (DT_4) on cardiac function and high-energy phosphate metabolism: a ^{31}P NMR study, Sandhu GS; Steele R; Gonnella NC, Magn Res Med 1991; **18:** 237

electrocardiograph-independent, "wireless" cardiovascular cine MR imaging, White RD; Paschal CB; Clampitt ME; Spraggins TA; Lenz GW, JMRI 1991; **1:** 347

evaluation of surgical procedures for cyanotic congenital heart disease by using MR imaging, Kersting-Sommerhoff BA; Seelos KC; Hardy C; et al, AJR 1990; **155:** 259

extracardiac vasculature in candidates for Fontan surgery: MR imaging, Julsrud PR; Ehman RL; Hagler DJ; Ilstrup DM, Radiology 1989; **173:** 503

extraction of cardiac and respiratory motion cycles by use of projection data and its applications to NMR imaging, Kim WS; Mun CW; Kim DJ; et al, Magn Res Med 1990; **13:** 25

fast MR cardiac profiling with two-dimensional selective pulses, Cline HE; Hardy CJ; Pearlman JD, Magn Res Med 1991; **17:** 390

first-pass cardiac perfusion: evaluation with ultrafast MR imaging, Atkinson DJ; Burstein D; Edelman RR, Radiology 1990; **174:** 757

gated cardiac MR imaging and P-31 MR spectroscopy in humans at 1.5 T: work in progress, Grist TM; Kneeland JB; Rilling WR; Jesmanowicz A; Froncisz W; Hyde JS, Radiology 1989; **170:** 357

gated magnetic resonance imaging of metastatic intracardiac malignant fibrous histiocytoma, Catton C; Shulman H; Rusthoven J; et al, J Canad Assoc Radiol 1990; **41:** 96

George Simon lecture: magnetic resonance studies of the heart, Rees S, Clin Radiol 1990; **42:** 302

heart wall motion: improved method of spatial modulation of magnetization for MR imaging, Axel L; Dougherty L, Radiology 1989; **172:** 349

heterotopic transplanted rat heart: a model for *in vivo* determination of phosphorus metabolites during ischemia and reperfusion, Rozenman Y; Kantor HL, Magn Res Med 1990; **13:** 450

identification of calcified intracardiac lesions using gradient echo MR imaging, Pucillo AL; Schechter AG; Kay RH; et al, JCAT 1990; **14:** 743

influence of drugs on diseased states of the heart: a ^{31}P NMR and $[Ca]_i$ study, Wikman-Coffelt J; Auffermann W, Invest Radiol 1989; **24:** 976

lipoproteins in heart transplantation: proton magnetic resonance spectroscopy of plasma, Eugene M; Le Moyec L; de Certaines J; et al, Magn Res Med 1991; **18:** 93

magnetic resonance imaging in congenital heart disease of newborns: preliminary results in 23 patients, Kastler B; Livolsi A; Germain P; et al, Eur J Radiol 1990; **10:** 109

magnetic resonance imaging in the evaluation of postoperative congenital heart defects, Gutierrez F; Mirowitz S; Canter C, Semin US CT MR 1990; **11:** 234

magnetic resonance imaging of cardiac and paracardiac masses, Brown JJ; Barakos JA; Higgins CB, J Thorac Imag 1989; **4-2:** 58

magnetic resonance imaging of cardiac sarcomas, Watanabe AT; Teitelbaum GP; Henderson RW; et al, J Thorac Imag 1989; **4-2:** 90

magnetic resonance imaging of congenital heart disease in the pediatric patient, Bisset GS III, Radiol Clin North Am 1991; **29:** 279

magnetic resonance imaging of the infant heart at 1.5 T, Smith MA; Baker EJ; Ayton VT; et al, Br J Radiol 1989; **62:** 367

magnetic resonance spectroscopy: evaluation of ischemic heart disease, Schaefer S; Schwartz GG; Gober JR; et al, Invest Radiol 1989; **24:** 969

magnetic resonance spectroscopy of the heart: overview of studies in animals and man, Higgins CB; Saeed M; Wendland M; et al, Invest Radiol 1989; **24:** 962

magnetization transfer contrast in MR imaging of the heart, Balaban RS; Chesnick S; Hedges K; Samaha F; Heineman FW, Radiology 1991; **180:** 671

malignant cardiac fibrous histiocytomas and angiosarcomas: MR features, Kim EE; Wallace S; Abello R; et al, JCAT 1989; **13:** 627

method for measuring three-dimensional motion with tagged MR imaging, Pipe JG; Boes JL; Chenevert TL, Radiology 1991; **181:** 591

mitral stenosis: evaluation with MR imaging after percutaneous balloon valvuloplasty, Park JH; Han MC; Im J-G; Oh BH; Lee YW, Radiology 1990; **177:** 533

morphological diagnosis of congenital and acquired heart disease by magnetic resonance imaging, Sieverding L; Klose U; Apitz J, Pediatr Radiol 1990; **20:** 311

MR diagnosis of lipomatous infiltration of the interatrial septum, Kaplan KR; Rifkin MD, AJR 1989; **153:** 495

MRI evaluation of left ventricular hypertrophy in a canine model of aortic stenosis, Wang J-Z; Mezrich RS; Scholz P; et al, Invest Radiol 1990; **25:** 783

MR imaging in assessment of cardiac transplant rejection in humans, Doornbos J; Verwey H; Essed CE; et al, JCAT 1990; **14:** 77

MR imaging of apical hypertrophic cardiomyopathy with left ventricular endomyocardial calcification, Kvaerness J; Rinck PA; Bolz K-D; et al, JCAT 1991; **15:** 489

MR imaging of cardiac metastases from malignant fibrous histiocytoma, Lee R; Fisher MR, JCAT 1989; **13:** 126

MR imaging of congenitally corrected transposition of the great vessels in adults, Park JH; Han MC; Kim C-W, AJR 1989; **153:** 491

MR imaging of double chambered left ventricle, Caron KH; Hernandez RJ; Goble M; et al, JCAT 1991; **15:** 140

MR imaging of double outlet right ventricle, Mayo JR; Roberson D; Sommerhoff B; et al, JCAT 1990; **14:** 336

MR imaging of double-outlet right ventricle, Akins EW; Martin TD; Alexander JA; et al, AJR 1989; **152:** 128

MR imaging of fat in and around the heart, Kriegshauser JS; Julsrud PR; Lund JT, AJR 1990; **155:** 271

MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; **171:** 841

MR imaging of pediatric cardiac tumors previously diagnosed by echocardiography, Rienmüller R; Lloret JL; Tiling R; et al, JCAT 1989; **13:** 621

MR imaging of secondary cardiac and paracardiac lesions, Barakos JA; Brown JJ; Higgins CB, AJR 1989; **153:** 47

MR imaging of the criss-cross heart, Link KM; Weesner KM; Formanek AG, AJR 1989; **152:** 809

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

MR spectroscopy of the heart, Brown JJ; Mirowitz SA; Sandstrom JC; et al, AJR 1990; **155:** 1

myocardial infarct size after reperfusion therapy: assessment with Gd-DTPA–enchanced MR imaging, de Roos A; Matheijssen NAA; Doornbos J; van Dijkman PRM; van Voorthuisen AE; van der Wall EE, Radiology 1990; **176:** 517

NMR probe to study function and metabolism simultaneously in isolated human cardiac tissue, Lareau S; Moore R; Mainwood GW; et al, Magn Res Med 1991; **20:** 312

noninvasive three-dimensional reconstruction of the heart and great vessels by ECG-gated magnetic resonance imaging: a new diagnostic modality, (ab), Laschinger JC; Vannier MW; Gronemeyer S; et al, Radiology 1989; **170:** 586

normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB, Radiology 1990; **174:** 763

normal signal-void patterns in cardiac cine MR images, Mirowitz SA; Lee JKT; Gutierrez FR; Brown JJ; Eilenberg SS, Radiology 1990; **176:** 49

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP-enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

occlusive and reperfused myocardial infarcts: MR imaging differentiation with nonionic Gd-DTPA-BMA, Masui T; Saeed M; Wendland MF; Higgins CB, Radiology 1991; **181:** 77

perspectives on imaging modalities, Budinger TF, Cardiovasc Intervent Radiol 1989; **12:** 223

phosphate metabolite imaging and concentration measurements in human heart by nuclear magnetic resonance, Bottomley PA; Hardy CJ; Roemer PB, Magn Res Med 1990; **14:** 425

pH standardization for phosphorus-31 magnetic resonance heart spectroscopy at different temperatures, Kost GJ, Magn Res Med 1990; **14:** 496

^{31}P NMR spectroscopy in chronic adriamycin cardiotoxicity, Bittner V; Reeves RC; Digerness SB; et al, Magn Res Med 1991; **17:** 69

potential role of MR imaging in the diagnostic management of Ebstein anomaly in a newborn, Kastler B; Livolsi A; Zhu H; et al, JCAT 1990; **14:** 825

radiographic changes in cardiac contours following heart transplantation: clarification by MR imaging, Murayama S; Ikezoe J; Godwin JD; et al, Acta Radiol 1991; **32:** 183

reperfused and nonreperfused myocardial infarction: diagnostic potential of Gd-DTPA–enhanced MR imaging, de Roos A; van Rossum AC; van der Wall EE; Postema S; Doornbos J; Matheijssen NAA; van Dijkman PRM; Visser FC; van Voorthuisen AE, Radiology 1989; **172:** 717

reversibility of chronic alcohol cardiac depression: ^{31}P magnetic resonance spectroscopy in hamsters, Auffermann W; Wu S; Parmley WW; et al, Magn Res Med 1989; **9:** 343

reversible and irreversible injury in the reperfused myocardium: differentiation with contrast material–enhanced MR imaging, Saeed M; Wendland MF; Takehara Y; Higgins CB, Radiology 1990; **175:** 633

spatial and temporal registration of cardiac SPECT and MR images: methods and evaluation, Faber TL; McColl RW; Opperman RM; Corbett JR; Peshock RM, Radiology 1991; **179:** 857

tetralogy of Fallot: MR findings, Mirowitz SA; Gutierrez FR; Canter CE; Vannier MW, Radiology 1989; **171:** 207

valve and great vessel stenosis: assessment with MR jet velocity mapping, Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB, Radiology 1991; **178:** 229

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; **177:** 537

whole-body echo-planar MR imaging at 0.5 T, Stehling MK; Howseman AM; Ordidge RJ; Chapman B; Turner R; Coxon R; Glover P; Mansfield P; Coupland RE, Radiology 1989; **170:** 257

Heart, neoplasms

atrial myxomas: results of 25 years' experience and review of the literature, (ab), Larsson S; Lepore V; Kennergren C, Radiology 1990; **174:** 293

carcinoid heart disease: a cardiologist's viewpoint, Lundin L, Acta Oncol 1991; **30:** 499

cardiac masses: assessment by MR imaging, Lund JT; Ehman RL; Julsrud PR; et al, AJR 1989; **152:** 469

cardiac tumor in Gorlin syndrome: nevoid basal cell carcinoma syndrome, Herman TE; Siegel MJ; McAlister WH, Pediatr Radiol 1991; **21:** 234

computed tomography of cardiac and pericardial tumors, Dawson WB; Mayo JR; Müller NL, J Canad Assoc Radiol 1990; **41:** 270

coronary angiography in atrial myxoma: findings in nine cases, Fueredi GA; Knechtges TE; Czarnecki DJ, AJR 1989; **152:** 737

detection of left atrial myxoma with SPECT cardiac imaging, McLaughlin MG; Swayne LC; Mangiola S, Clin Nucl Med 1989; **14:** 101

diagnosis of a myocardial lipoma by using CT, Conces DJ Jr; Vix VA; Tarver RD, AJR 1989; **153:** 725

differentiation of tumor from viable myocardium using cardiac tagging with MR imaging, Bouton S; Yang A; McCrindle BW; et al, JCAT 1991; **15:** 676

echocardiographic findings of mobile atrial hepatocellular carcinoma: report of five cases, Chua SO; Chiang C-W; Lee Y-S; et al, J Ultrasound Med 1989; **8:** 347

evaluation of paracardiac and intracardiac masses in children, Rienmüller R; Tiling R, Semin US CT MR 1990; **11:** 246

gated magnetic resonance imaging of metastatic intracardiac malignant fibrous histiocytoma, Catton C; Shulman H; Rusthoven J; et al, J Canad Assoc Radiol 1990; **41:** 96

intracaval and intracardiac extension of malignant thymoma: CT diagnosis, Korobkin M; Casano VA, JCAT 1989; **13:** 348

leukemic infiltrates of the heart: CT findings, McAdams HP; Schaefer PS; Ghaed VN, JCAT 1989; **13:** 525

magnetic resonance imaging of cardiac and paracardiac masses, Brown JJ; Barakos JA; Higgins CB, J Thorac Imag 1989; **4-2:** 58

magnetic resonance imaging of cardiac sarcomas, Watanabe AT; Teitelbaum GP; Henderson RW; et al, J Thorac Imag 1989; **4-2:** 90

malignant cardiac fibrous histiocytomas and angiosarcomas: MR features, Kim EE; Wallace S; Abello R; et al, JCAT 1989; **13:** 627

MR imaging of cardiac metastases from malignant fibrous histiocytoma, Lee R; Fisher MR, JCAT 1989; **13:** 126

MR imaging of pediatric cardiac tumors previously diagnosed by echocardiography, Rienmüller R; Lloret JL; Tiling R; et al, JCAT 1989; **13:** 621

MR imaging of secondary cardiac and paracardiac lesions, Barakos JA; Brown JJ; Higgins CB, AJR 1989; **153:** 47

myxoma of the heart presenting with recurrent episodes of hemorrhagic cerebral infarction: MR findings, Michael AS; Mikhael MA; Christ M, JCAT 1989; **13:** 123

pediatric case of the day, Braverman RM; Lipshultz SE; McCarten KM; Griscom NT, Radiographics 1991; **11:** 932

right atrial myxoma originating from the inferior vena cava, (ab), Bortolotti U; Faggian G; Mazzucco A; et al, Radiology 1991; **178:** 898

right ventricular metastasis of a large cell cancer: a case of multiple cancer, Ohsaki Y; Onodera S; Fujita M; et al, JCU 1990; **18:** 39

superior vena caval obstruction due to atrial metastasis, Greyson ND; Howard RJ, Clin Nucl Med 1990; **14:** 698

use of combined transoesophageal echocardiography and fluoroscopy in the biopsy of a right atrial mass, Scott PJ; Ettles DF; Rees MR; et al, Br J Radiol 1990; **63:** 222

Heart, pacemakers

chest radiographs after permanent pacing. are they really necessary?, Grier D; Cook PG; Hartnell GG, Clin Radiol 1990; **42:** 244

colonic perforation: complication of automatic implantable cardioverter defibrillator placement, Krebs TL; Austin JHM, Radiology 1989; **172:** 708

counterclockwise exit of cardiac pacemaker leads: sign of pulse-generator flip, Karis JP; Ravin CE, Radiology 1990; **174:** 711

percutaneous removal of transvenous pacing lead perforating the heart, pericardium, and pleura, Deutsch L-S; Dang H; Brandon JC; et al, AJR 1991; **156:** 471

Heart, prostheses

blood rheology after cardiac valve replacement with mechanical prostheses or bioprostheses, (ab), Koppensteiner R; Moritz A; Schlick W; et al, Radiology 1991; **180:** 589

computer-assisted assessment of the kinetic function of disk-type artificial heart valves, Formanek AG; Sobol WT; Link KM, Invest Radiol 1990; **25:** 24

determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; **171:** 213

radiologic search for embolized leaflets of prosthetic heart valves: a report of two cases, Schurawitzki H; Hajek PC; Kramer J; et al, Cardiovasc Intervent Radiol 1989; **12:** 10

Heart, radionuclide studies

accuracy and reproducibility of left ventricular ejection fraction measurements using an ambulatory radionuclide left ventricular function monitor, de Yang L; Bairey CN; Berman DS; et al, J Nucl Med 1991; **32:** 796

advances in cardiac imaging modalities: fast computed tomography, magnetic resonance imaging, and positron emission tomography, Caputo GR; Higgins CB, Invest Radiol 1990; **25:** 838

applications of exercise radionuclide ventriculography in the clinical management of patients with coronary artery disease, Rozanski A, J Thorac Imag 1990; **5-3:** 37

assessment of systolic thickening with thallium-201 ECG-gated single-photon emission computed tomography: a parameter for local left ventricular function, Mochizuki T; Murase K; Fujiwara Y; et al, J Nucl Med 1991; **32:** 1496

automated quantitation of three-dimensional cardiac positron emission tomography for routine clinical use, Hicks K; Ganti G; Mullani N; et al, J Nucl Med 1989; **30:** 1787

bilateral basal Xe-133 retention and ventilation/perfusion patterns in mild and subclinical congestive heart failure, Lee HK; Skarzynski JJ; Spadaro A, Clin Nucl Med 1989; **14:** 885

biventricular function during postextrasystolic potentiation in man: a study using list-mode radionuclide ventriculography, Polak JF; Hirsowitz GS; Holman BL; et al, Invest Radiol 1989; **24:** 20

cardiac beta-adrenergic receptor density measured in vivo using PET, CGP 12177, and a new graphical method, Delforge J; Syrota A; Lançon J-P; et al, J Nucl Med 1991; **32:** 739

cardiac blood-pool imaging II: applications in noncoronary heart disease, Dilsizian V; Rocco TP; Bonow RO; et al, J Nucl Med 1990; **31:** 10

cardiac blood-pool scintigraphy in rats and hamsters: comparison of five radiopharmaceuticals and three pinhole collimator apertures, Pieri P; Fischman AJ; Ahmad M; et al, J Nucl Med 1991; **32:** 851

cardiac blood-pool scintigraphy using technetium-99m DTPA-HSA: comparison with in vivo technetium-99m RBC labeling, Nishimura T; Hamada S; Hayashida K; et al, J Nucl Med 1989; **30:** 1713

cardiac positron emission tomography: the foundations and clinical applications, Chan SY; Brunken RC; Buxton DB, J Thorac Imag 1990; **5-3:** 9

cinematic three-dimensional surface display of cardiac blood pool tomography, Honda N; Machida K; Takishima T; et al, Clin Nucl Med 1991; **16:** 87

clinical cardiac PET using generator-produced Rb-82: a review, Gould KL, Cardiovasc Intervent Radiol 1989; 12: 245

clinical role of metabolic imaging of the heart by positron emission tomography, Schwaiger M; Hicks R, J Nucl Med 1991; 32: 565

clinical role of radionuclide imaging in cardiac transplantation, Lee KJ; Wallis JW; Miller TR, J Thorac Imag 1990; 5-3: 73

clinical usefulness of ultrashort-lived iridium-191m from a carbon-based generator system for the evaluation of the left ventricular function, Franken PR; Dobbeleir AA; Ham HR; et al, J Nucl Med 1989; 30: 1025

clinical validation of a miniature nuclear probe system for continuous on-line monitoring of cardiac function and ST-segment, Broadhurst P; Cashman P; Crawley J; et al, J Nucl Med 1991; 32: 37

comparison of fixed and variable temporal resolution methods for creating gated cardiac blood-pool image sequences, Bacharach SL; Bonow RO; Green MV, J Nucl Med 1990; 31: 38

comparison of in vitro RBC labeling with the UltraTag® RBC kit versus in vivo labeling, Patrick ST; Glowniak JV; Turner FE; et al, J Nucl Med 1991; 32: 242

correction of nonuniform attenuation in cardiac SPECT imaging, Tsui BMW; Gullberg GT; Edgerton ER; et al, J Nucl Med 1989; 30: 497

detection of left atrial myxoma with SPECT cardiac imaging, McLaughlin MG; Swayne LC; Mangiola S, Clin Nucl Med 1989; 14: 101

'double right atrium' demonstrated by radionuclide ventriculography in cardiac transplantation, Stewart RE; Deeb GM; Kalus ME Jr; et al, Clin Nucl Med 1990; 15: 122

economic analysis of clinical positron emission tomography of the heart with rubidium-82, Gould KL; Goldstein RA; Mullani NA, J Nucl Med 1989; 30: 707

effect of metabolic milieu on cardiac PET imaging using fluorine-18-deoxyglucose and nitrogen-13-ammonia in normal volunteers, Berry JJ; Baker JA; Pieper KS; et al, J Nucl Med 1991; 32: 1518

effects of beta-adrenergic blockade in acute myocardial infarction: evaluation by radionuclide ventriculography, Kronenberg MW; Beard JT; Stein SM; et al, J Nucl Med 1990; 31: 557

enhanced sensitivity and specificity of thallium-201 imaging for the detection of regional ischemic coronary disease by combining SPECT with "bull's eye" analysis, Kasabali B; Woodard ML; Bekerman C; et al, Clin Nucl Med 1989; 14: 484

equilibrium radionuclide ventriculography in Duchenne's cardiomyopathy, Nagamachi S; Jinnouchi S; Inoue K; et al, Clin Nucl Med 1990; 15: 887

errors in the determination of left ventricular functional parameters, Wagner RH; Halama JR; Henkin RE; et al, J Nucl Med 1989; 30: 1870

evaluation of coronary bypass graft patency: direct and indirect techniques other than coronary arteriography, Stanford W; Galvin JR; Skorton DJ; et al, AJR 1991; 156: 15

evaluation of right ventricular regional perfusion with technetium-99m-sestamibi SPECT, DePuey EG; Jones ME; Garcia EV, J Nucl Med 1991; 32: 1199

evaluation of ventricular function in patients with coronary artery disease, Rocco TP; Dilsizian V; Fischman AJ; et al, J Nucl Med 1989; 30: 1149

imaging of the heart using metaiodobenzylguanidine, Dae MW; Botvinick EH, J Thorac Imag 1990; 5-3: 31

improved method for the quantification of left-to-right cardiac shunts, Madsen MT; Argenyi E; Preslar J; et al, J Nucl Med 1991; 32: 1808

iodine-123 metaiodobenzylguanidine imaging of the heart in idiopathic congestive cardiomyopathy and cardiac transplants, Glowniak JV; Turner FE; Gray LL; et al, J Nucl Med 1989; 30: 1182

kinetics of copper-PTSM in isolated hearts: a novel tracer for measuring blood flow with positron emission tomography, Shelton ME; Green MA; Mathias CJ; et al, J Nucl Med 1989; 30: 1843

left ventricular regional wall motion assessment by radionuclide ventriculography: a comparison of cine display with Fourier imaging, Brateman L; Buckley K; Keim SG; et al, J Nucl Med 1991; 32: 777

MIBG scintigraphic assessment of cardiac adrenergic activity in response to altitude hypoxia, Richalet JP; Merlet P; Bourguignon M; et al, J Nucl Med 1990; 31: 34

multigated blood-pool imaging using heart sounds, Groch MW; Domnanovich JR; Erwin WD; et al, J Nucl Med 1991; 32: 1513

myocardial distribution of indium-111-antimyosin Fab in acute inferior and right ventricular infarction: comparison with technetium-99m-pyrophosphate imaging and histologic examination, Nakata T; Sakakibara T; Noto T; et al, J Nucl Med 1991; 32: 865

myocardial high-energy phosphate metabolism and allograft rejecton in patients with heart transplants, Bottomley PA; Weiss RG; Hardy CJ; Baumgartner WA, Radiology 1991; 181: 67

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE; Cheng SC; Sketch MH; Frick MP, Radiology 1989; 173: 769

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Spiegler EJ, Radiology 1990; 175: 877

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress: reply, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE, Radiology 1990; 175: 877

normalization of left ventricular ejection fraction following resection of pheochromocytoma in a patient with dilated cardiomyopathy, Hicks RJ; Wood B; Kalff V; et al, Clin Nucl Med 1991; 16: 413

nuclear medicine. RSNA '88 meeting notes, Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM, Radiology 1989; 170: 604

nuclear medicine. RSNA '89 meeting notes, Mettler FA Jr; Hartshorne MF; Miller TR; Spies WG; Tumeh SS, Radiology 1990; 174: 607

perspectives on imaging modalities, Budinger TF, Cardiovasc Intervent Radiol 1989; 12: 223

PET detection of viable tissue in myocardial segments with persistent defects at Tl-201 SPECT, Brunken RC; Kottou S; Nienaber CA; Schwaiger M; Ratib OM; Phelps ME; Schelbert HR, Radiology 1989; 172: 65

PET perfusion imaging and nuclear cardiology, Gould KL, J Nucl Med 1991; 32: 579

pharmacological and other nonexercise alternatives to exercise testing to evaluate myocardial perfusion and left ventricular function with radionuclides, DePuey EG; Rozanski A, Semin Nucl Med 1991; 21: 92

quantification of amplitude images of gated radionuclide heart studies: a new universal method, Weller R; Henze E; Clausen M; et al, J Nucl Med 1989; 30: 1393

quantification of patterns of regional cardiac metabolism, Lear JL; Ackermann RF, Radiology 1990; 176: 659

quantification of three-dimensional left ventricular segmental wall motion and volumes from gated tomographic radionuclide ventriculograms, Faber TL; Stokely EM; Templeton GH; et al, J Nucl Med 1989; 30: 638

radionuclide detection of abnormal ventricular filling patterns in rejecting human allografts, Tatum JL; Thompson JA; Prasad U; et al, Clin Nucl Med 1989; 14: 175

radionuclide ventriculographic quantitation of left ventricular dimensions: comparison to echocardiography, Madanay LD; Cerqueira MD; Jacobson AF; et al, Clin Nucl Med 1991; 16: 588

radionuclide ventriculography and central aorta pressure change in noninvasive assessment of myocardial performance, Marmor A; Sharir T; Shlomo IB; et al, J Nucl Med 1989; 30: 1657

rapid method for standardization of the gated radionuclide left ventricular ejection fraction, Purnell GL; Baker BJ; Murphy MM; et al, Clin Nucl Med 1990; 15: 552

realistic dynamic cardiac phantom for evaluating radionuclide ventriculography: description and initial studies with the left ventricular chamber, Simon TR; Walker BS; Matthiesen S; et al, J Nucl Med 1989; 30: 542

regional left ventricular filling: does it reflect diastolic abnormalities in contiguous areas of myocardium?, Brown EJ Jr; Idoine J; Swinford RD; et al, J Nucl Med 1989; 30: 165

relative accuracy of three scintigraphic methods for determination of right ventricular ejection fraction: a correlative study with ultrafast computed tomography, Rezai K; Weiss R; Stanford W; et al, J Nucl Med 1991; 32: 429

reproducibility in the analysis of multigated radionuclide studies of left ventricular ejection fraction, Gjørup T; Kelbaek H; Vestergaard B; et al, Invest Radiol 1989; 24: 104

reproducibility of radionuclide left ventricular ejection fraction in patients awaiting cardiac transplantation, Keogh AM; Eberl S; Yeates MG; et al, Clin Nucl Med 1990; 15: 25

scintigraphic demonstration of dextrocardia and complete abdominal situs inversus, Dunseath R; Williams W; Patton D, Clin Nucl Med 1990; 15: 501

scintigraphic diagnosis of right ventricular ischemia, Kim SM; Park CH; Intenzo CM, Clin Nucl Med 1991; 16: 407

scintigraphic portrayal of beta receptors in the heart, Sisson JC; Wieland DM; Koeppe RA; et al, J Nucl Med 1991; 32: 1399

spatial and temporal registration of cardiac SPECT and MR images: methods and evaluation, Faber TL; McColl RW; Opperman RM; Corbett JR; Peshock RM, Radiology 1991; 179: 857

theoretical comparison of first-pass and gated equilibrium methods in the measurement of systolic left ventricular function, Green MV; Bacharach SL; Borer JS; et al, J Nucl Med 1991; 32: 1801

three-dimensional display of gated cardiac blood-pool studies, Miller TR; Wallis JW; Sampathkumaran KS, J Nucl Med 1989; 30: 2036

three-dimensional techniques and artificial intelligence in thallium-201 cardiac imaging, DePuey EG; Garcia EV; Ezquerra NF, AJR 1989; 152: 1161

"upward creep" of the heart: a frequent source of false-positive reversible defects during thallium-201 stress-redistribution SPECT, Friedman J; Van Train K; Maddahi J; et al, J Nucl Med 1989; 30: 1718

usefulness of thallium-201 scintigraphy in predicting the development of angina pectoris in hypertensive patients with left ventricular hypertrophy, (ab), Tubau JF; Szlachcic J; Hollenberg M; et al, Radiology 1990; 174: 901

use of Tc-99m MAA in determining the etiology of increasing cyanosis following SVC-PA anastomosis for the hypoplastic left heart syndrome, Glass T; Heyman S; Seliem M; et al, Clin Nucl Med 1991; 16: 410

value of blood-pool subtraction in cardiac indium-111-labeled platelet imaging, Machac J; Vallabhajosula S; Goldman ME; et al, J Nucl Med 1989; 30: 1445

Heart, rhythm

biomagnetic localization of ventricular arrhythmias, Moshage W; Achenbach S; Göhl K; Weikl A; Bachmann K; Wegener P; Schneider S; Härer W, Radiology 1991; 180: 685

continual NMR cardiography without gating: M-mode MR imaging, Pearlman JD; Hardy CJ; Cline HE, Radiology 1990; 175: 369

electrocardiograph-independent, "wireless" cardiovascular cine MR imaging, White RD; Paschal CB; Clampitt ME; Spraggins TA; Lenz GW, JMRI 1991; 1: 347

fetal atrial fibrillation: in utero detection with real-time directed M-mode echocardiography, Baldi C; Capece G; Di Muro MR; et al, JCU 1990; **18:** 185

Heart, size

See Heart, volume

Heart, surgery

apparatus seen on chest radiographs after cardiac surgery in adults, Landay MJ; Mootz AR; Estrera AS, Radiology 1990; **174:** 477

CT and MR evaluation of pericardial and retrosternal adhesions after cardiac surgery, Duvernoy O; Malm T; Thuomas K-A; et al, JCAT 1991; **15:** 555

diagnosis of poststernotomy infection: comparison of three means of assessment, (ab), Browdie DA; Bernstein RW; Agnew R; et al, Radiology 1991; **181:** 611

extracardiac vasculature in candidates for Fontan surgery: MR imaging, Julsrud PR; Ehman RL; Hagler DJ; Ilstrup DM, Radiology 1989; **173:** 503

hyperamylasemia after cardiac surgery: incidence, significance, and management, (ab), Rattner DW; Gu Z-Y; Vlahakes GJ; et al, Radiology 1989; **173:** 289

metastatic pulmonary calcifications after cardiac surgery in children, Mani TM; Lallemand D; Corone S; Mauriat P, Radiology 1990; **174:** 463

post-cardiac surgery chest radiograph: a clinically integrated approach, Henry DA; Jolles H; Berberich JJ; et al, J Thorac Imag 1989; **4-3:** 20

vanishing calcification of the brain in an infant after open heart surgery, Begeer JH; Rutgers AWF; Vencken LM; et al, Neuroradiol 1991; **33:** 374

Heart, tamponade

case report: delayed cardiac tamponade following accidental injection of non-ionic contrast medium into the pericardium, Gallant MJ; Studley JGN, Clin Radiol 1990; **41:** 139

detection of impending pericardial tamponade during skeletal imaging, Engeler CM; duCret RP; Ulstad V; et al, Clin Nucl Med 1989; **14:** 479

echocardiography in cardiac tamponade, Gordon S; Butler M, JCU 1989; **17:** 428

sonographic diagnosis of blunt trauma causing delayed hemopericardium and cardiac tamponade, Indrani S; Raji V; Kalyani N; et al, J Ultrasound Med 1991; **10:** 291

Heart, thrombosis

antiphospholipid antibody syndrome with right atrial thrombosis mimicking an atrial myxoma, (ab), Leventhal LJ; Borofsky MA; Bergey PD; et al, Radiology 1990; **174:** 294

cardiac radiology. RSNA '89 meeting notes, Youker JE; Baron MG; Gomes AS; Higgins CB; Soulen RL, Radiology 1990; **174:** 598

chest radiographs are unreliable in predicting thrombi in the left atrium or its appendage in rheumatic mitral stenosis, Sharma S; Kumar MV; Aggarwal S; et al, Clin Radiol 1991; **43:** 337

comparison of left coronary and laevo-phase pulmonary angiograms in detecting left atrial thrombi in rheumatic mitral stenosis, Sharma S; Kumar MV; Reddy VM; et al, Clin Radiol 1991; **44:** 27

left coronary angiography in the pre-operative diagnosis of thrombosis of the left atrium or its appendage in rheumatic mitral stenosis, Sharma S; Kumar MV; Reddy VM; et al, Clin Radiol 1990; **42:** 188

MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; **171:** 841

surgical removal of a mobile, pedunculated left ventricular thrombus: report of 4 cases, (ab), Nili M; Deviri E; Jortner R; et al, Radiology 1989; **172:** 293

transcardiac passage of thrombus—ultrasonographic visualization, Cross P; Lalani Z; Jackson FI; et al, J Canad Assoc Radiol 1989; **40:** 108

Heart, transplantation

acute lung rejection after heart-lung transplantation: correlation of findings on chest radiographs with lung biopsy results, Bergin CJ; Castellino RA; Blank N; et al, AJR 1990; **155:** 23

bronchiolitis obliterans in heart-lung transplantation patients: radiologic findings in 11 patients, Skeens JL; Fuhrman CR; Yousem SA, AJR 1989; **153:** 253

clinical and radiologic features of malignant neoplasms in organ transplant recipients: cyclosporine-treated vs untreated patients, Honda H; Barloon TJ; Franken EA Jr; et al, AJR 1990; **154:** 271

clinical role of radionuclide imaging in cardiac transplantation, Lee KJ; Wallis JW; Miller TR, J Thorac Imag 1990; **5-3:** 73

'double right atrium' demonstrated by radionuclide ventriculography in cardiac transplantation, Stewart RE; Deeb GM; Kalus ME Jr; et al, Clin Nucl Med 1990; **15:** 122

frequency of angiographic detection and quantitative assessment of coronary arterial disease one and three years after cardiac transplantation, (ab), O'Neill BJ; Pflugfelder PW; Singh NR; et al, Radiology 1989; **173:** 885

frequency of familial nature of dilated cardiomyopathy and usefulness of cardiac transplantation in this subset, (ab), Valantine HA; Hunt SA; Fowler MB; et al, Radiology 1990; **174:** 587

heart-lung transplantation, Bonser RS; Fragomeni LS; Jamieson SW, Invest Radiol 1989; **24:** 310

hepatic lymphoma in cyclosporine-treated transplant recipients: sonographic and CT findings, Honda H; Franken EA Jr; Barloon TJ; et al, AJR 1989; **152:** 501

incidence of myocardial bridges in heart transplants, Wymore P; Yedlicka JW; Garcia-Medina V; et al, Cardiovasc Intervent Radiol 1989; **12:** 202

iodine-123 metaiodobenzylguanidine imaging of the heart in idiopathic congestive cardiomyopathy and cardiac transplants, Glowniak JV; Turner FE; Gray LL; et al, J Nucl Med 1989; **30:** 1182

lipoproteins in heart transplantation: proton magnetic resonance spectroscopy of plasma, Eugene M; Le Moyec L; de Certaines J; et al, Magn Res Med 1991; **18:** 93

MR imaging in assessment of cardiac transplant rejection in humans, Doornbos J; Verwey H; Essed CE; et al, JCAT 1990; **14:** 77

myocardial high-energy phosphate metabolism and allograft rejecton in patients with heart transplants, Bottomley PA; Weiss RG; Hardy CJ; Baumgartner WA, Radiology 1991; **181:** 67

orthotopic cardiac transplantation: evaluation with CT, Henry DA; Corcoran HL; Lewis TD; Barnhart GR; Szentpetery S; Lower RR, Radiology 1989; **170:** 343

posttransplant lymphoproliferative disorders in heart-lung-transplant recipients: primary presentation in the allograft, (ab), Yousem SA; Randhawa P; Locker J; et al, Radiology 1989; **173:** 883

pseudo-intracardiac air in a heart–lung transplant patient, Aafedt BC; Halvorsen RA Jr; Bolman RM III, J Canad Assoc Radiol 1990; **41:** 305

pulmonary infection after cardiac transplantation: clinical and radiologic correlations, Austin JHM; Schulman LL; Mastrobattista JD, Radiology 1989; **172:** 259

radiographic appearances of infection and acute rejection of the lung after heart-lung transplantation, (ab), Millet B; Higenbottam TW; Flower CDR; et al, Radiology 1990; **174:** 290

radiographic changes in cardiac contours following heart transplantation: clarification by MR imaging, Murayama S; Ikezoe J; Godwin JD; et al, Acta Radiol 1991; **32:** 183

radiologic findings in heart-lung transplantation: a preliminary experience, Holland SA; Hutton LC; McKenzie FN, J Canad Assoc Radiol 1989; **40:** 94

radionuclide detection of abnormal ventricular filling patterns in rejecting human allografts, Tatum JL; Thompson JA; Prasad U; et al, Clin Nucl Med 1989; **14:** 175

regional pulmonary perfusion following human heart-lung transplantation, Lisbona R; Hakim TS; Dean GW; et al, J Nucl Med 1989; **30:** 1297

toward an implantable artificial heart: experimental and clinical experience at the Pennsylvania State University, Davis PK; Pae WE Jr; Pierce WS, Invest Radiol 1989; **24:** 81

transplanted infections: donor-to-host transmission with the allograft, (ab), Gottesdiener KM, Radiology 1990; **176:** 888

unexpectedly high incidence of *Pneumocystis carinii* infection after lung-heart transplantation: implications for lung defense and allograft survival, (ab), Gryzan S; Paradis IL; Zeevi A; et al, Radiology 1989; **171:** 586

Heart, US

cardiac radiology. RSNA '88 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, Radiology 1989; **170:** 606

characteristics of Albunex: air-filled albumin microspheres for echocardiography contrast enhancement, Barnhart J; Levene H; Villapando E; et al, Invest Radiol 1990; **25:** S162

comparison of magnetic resonance imaging with echocardiography and radionuclide angiography in assessing cardiac function and anatomy following Mustard's operation for transposition of the great arteries, (ab), Rees S; Somerville J; Warnes C; et al, Radiology 1989; **170:** 293

determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; **171:** 213

Doppler assessment of changes in rightsided cardiac hemodynamics after pulmonary thromboendarterectomy, (ab), Chow LC; Dittrich HC; Hoit BD; et al, Radiology 1989; **170:** 586

Doppler color flow in echocardiography: analytical and *in-vitro* investigations of the quantitative relationship between orifice flow and color jet dimensions, Holen J; Nanna M; Lockhart J; et al, Ultrasound Med Biol 1990; **16:** 543

duplication of the aortic ring: an artifact in echocardiography, Sauerbrei EE, J Ultrasound Med 1989; **8:** 477

echocardiographic findings of mobile atrial hepatocellular carcinoma: report of five cases, Chua SO; Chiang C-W; Lee Y-S; et al, J Ultrasound Med 1989; **8:** 347

echocardiography in cardiac tamponade, Gordon S; Butler M, JCU 1989; **17:** 428

effects of volume loading on left atrial systolic time intervals, Okamoto M; Tsubokura T; Morishita K; et al, JCU 1991; **19:** 405

efficacy of intraoperative transesophageal echocardiography in children with congenital heart disease, (ab), Cyran SE; Kimball TR; Meyer RA; et al, Radiology 1989; **173:** 589

fetal atrial fibrillation: in utero detection with real-time directed M-mode echocardiography, Baldi C; Capece G; Di Muro MR; et al, JCU 1990; **18:** 185

fetal echocardiography, Reed KL, Semin US CT MR 1991; **12:** 2

fetal echocardiography, Huhta JC; Rotondo KM, Semin Roentgenol 1991; **26:** 5

fetal echocardiography, Benacerraf BR; Sanders SP, Radiol Clin North Am 1990; **28:** 131

follow-up mitral valve prolapse by phonocardiography, M-mode and two-dimensional echocardiography and Doppler echocardiography, (ab), You-Bing D; Takenaka K; Sakamoto T; et al, Radiology 1990; **177:** 294

hypermedia techniques for diagnostic imaging instruction: videodisk echocardiography encyclopedia, Jaffe CC; Lynch PJ; Smeulders AWM, Radiology 1989; **171:** 475

hypermedia techniques for diagnostic imaging instruction, Bramble JM, Radiology 1989; **173:** 878

hypermedia techniques for diagnostic imaging instruction: reply, Jaffe CC, Radiology 1989; **173:** 878

improved method for production of intravenous contrast during echocardiography, Rothbart R; Harding L; Schob A; et al, JCU 1989; **17:** 132

influence of heart rate and age on diastolic blood flow velocity in the left ventricular inflow tract, van Dam I; Delemarre B; Hopman J; et al, JCU 1989; **17:** 339

MR imaging of pediatric cardiac tumors previously diagnosed by echocardiography, Rienmüller R; Lloret JL; Tiling R; et al, JCAT 1989; 13: 621
new approach to the noninvasive measurement of cardiac output using an annular array Doppler technique—I. theoretical considerations and ultrasonic fields, Evans JM; Skidmore R; Luckman NP; et al, Ultrasound Med Biol 1989; 15: 169
new approach to the noninvasive measurement of cardiac output using an annular array Doppler technique—II. practical implementation and results, Evans JM; Skidmore R; Baker JD; et al, Ultrasound Med Biol 1989; 15: 179
prevalence and clinical implications of atrial spontaneous contrast in patients undergoing transesophageal echocardiography, (ab), Castello R; Pearson AC; Labovitz AJ; et al, Radiology 1990; 177: 892
quantitative two-dimensional echocardiographic assessment of left ventricular shape in ischemic heart disease, D'Cruz IA; Aboulatta H; Killam H; et al, JCU 1989; 17: 569
simple, rapid method for quantification of tricuspid regurgitation by two-dimensional echocardiography, (ab), Fisher EA; Goldman ME, Radiology 1990; 174: 293
sonography of the fetal heart: findings on the four-chamber view, McGahan JP, AJR 1991; 156: 547
transcardiac passage of thrombus—ultrasonographic visualization, Cross P; Lalani Z; Jackson FI; et al, J Canad Assoc Radiol 1989; 40: 108
transesophageal echocardiography in renal cell carcinoma: an accurate diagnostic technique for intracaval neoplastic extension, (ab), Treiger BFG; Humphrey LS; Peterson CV Jr; et al, Radiology 1991; 181: 911
usefulness of Doppler echocardiography in the diagnosis of congestive heart failure, (ab), Aguirre FV; Pearson AC; Lewen MK; et al, Radiology 1990; 174: 293
use of combined transoesophageal echocardiography and fluoroscopy in the biopsy of a right atrial mass, Scott PJ; Ettles DF; Rees MR; et al, Br J Radiol 1990; 63: 222
use of ultrasound for localization of a foreign object in the heart, Giyanani VL; Fertel D; Eggerstedt J, JCU 1989; 17: 379

Heart, valves
blood rheology after cardiac valve replacement with mechanical prostheses or bioprostheses, (ab), Koppensteiner R; Moritz A; Schlick W; et al, Radiology 1991; 180: 589
computer-assisted assessment of the kinetic function of disk-type artificial heart valves, Formanek AG; Sobol WT; Link KM, Invest Radiol 1990; 25: 24
perivalvular pseudoaneurysm complicating bacterial endocarditis: MR detection in five cases, Akins EW; Slone RM; Wiechmann BN; et al, AJR 1991; 156: 1155
pulmonary edema localized in the right upper lobe accompanying mitral regurgitation, Gurney JW; Goodman LR, Radiology 1989; 171: 397
radiologic search for embolized leaflets of prosthetic heart valves: a report of two cases, Schurawitzki H; Hajek PC; Kramer J; et al, Cardiovasc Intervent Radiol 1989; 12: 10
valve and great vessel stenosis: assessment with MR jet velocity mapping, Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB, Radiology 1991; 178: 229

Heart, ventricles
biventricular function during postextrasystolic potentiation in man: a study using list-mode radionuclide ventriculography, Polak JF; Hirsowitz GS; Holman BL; et al, Invest Radiol 1989; 24: 20
determination of left ventricular volume and mass with use of biphasic spin-echo MR imaging: comparison with cine MR, Caputo GR; Suzuki J-I; Kondo C; Cho H; Quaife R; Higgins CB; Parker DL, Radiology 1990; 177: 773
evaluation of ventricular function in patients with coronary artery disease, Rocco TP; Dilsizian V; Fischman AJ; et al, J Nucl Med 1989; 30: 1149
evaluation of ventricular function with first-pass iridium-191m radionuclide angiocardiography, Hellman C; Zafrir N; Shimoni A; et al, J Nucl Med 1989; 30: 450
heart wall motion: improved method of spatial modulation of magnetization for MR imaging, Axel L; Dougherty L, Radiology 1989; 172: 349
left ventricular regional wall motion assessment by radionuclide ventriculography: a comparison of cine display with Fourier imaging, Brateman L; Buckley K; Keim SG; et al, J Nucl Med 1991; 32: 777
limited correlation of left ventricular end-diastolic pressure with radiographic assessment of pulmonary hemodynamics, Herman PG; Khan A; Kallman CE; Rojas KA; Carmody DP; Bodenheimer MM, Radiology 1990; 174: 721
MR anatomy of ventricular septal defect in double-outlet right ventricle with situs solitus and atrioventricular concordance, Yoo S-J; Lim TH; Park I-S; Hong CY; Song MG; Kim SH; Lee HJ, Radiology 1991; 181: 501
MR imaging of double chambered left ventricle, Caron KH; Hernandez RJ; Goble M; et al, JCAT 1991; 15: 140
normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB, Radiology 1990; 174: 763
quantification of three-dimensional left ventricular segmental wall motion and volumes from gated tomographic radionuclide ventriculograms, Faber TL; Stokely EM; Templeton GH; et al, J Nucl Med 1989; 30: 638
quantitative two-dimensional echocardiographic assessment of left ventricular shape in ischemic heart disease, D'Cruz IA; Aboulatta H; Killam H; et al, JCU 1989; 17: 569
radionuclide ventriculography and central aorta pressure change in noninvasive assessment of myocardial performance, Marmor A; Sharir T; Shlomo IB; et al, J Nucl Med 1989; 30: 1657

Heart, volume
cardiac radiology. RSNA '89 meeting notes, Youker JE; Baron MG; Gomes AS; Higgins CB; Soulen RL, Radiology 1990; 174: 598
cardiac radiology. RSNA '90 meeting notes, Youker JE; Baron MG; Gomes AS; Herfkens RJ; Higgins CB; Pettigrew R; Soulen RL, Radiology 1991; 178: 605
determination of left ventricular mass with ultrafast CT and two-dimensional echocardiography, Diethelm L; Simonson JS; Dery R; Gould RG; Schiller NB; Lipton MJ, Radiology 1989; 171: 213
determination of left ventricular volume and mass with use of biphasic spin-echo MR imaging: comparison with cine MR, Caputo GR; Suzuki J-I; Kondo C; Cho H; Quaife R; Higgins CB; Parker DL, Radiology 1990; 177: 773
effect of heart-size parameters computed from digital chest radiographs on detection of cardiomegaly: potential usefulness for computer-aided diagnosis, Nakamori N; Doi K; MacMahon H; et al, Invest Radiol 1991; 26: 546
evaluation of heart size and pulmonary vasculature: conventional chest roentgenography and image intensifier photofluorography compared, Manninen H; Remes J; Partanen K; et al, Acta Radiol 1991; 32: 226
left ventricular volume calculation using a count-based ratio method applied to multigated radionuclide angiography, Massardo T; Gal RA; Grenier RP; et al, J Nucl Med 1990; 31: 450
limited correlation of left ventricular end-diastolic pressure with radiographic assessment of pulmonary hemodynamics, Herman PG; Khan A; Kallman CE; Rojas KA; Carmody DP; Bodenheimer MM, Radiology 1990; 174: 721
normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB, Radiology 1990; 174: 763
practical ruler for measuring cardiac diameter, Morparia H, J Canad Assoc Radiol 1990; 41: 236
relative heart volume and subsequent mortality in old people, Takala JK; Mattila KJ; Jääskeläinen J, Acta Radiol 1989; 30: 269

Helicobacter infection
Helicobacter pylori gastritis mimicking gastric carcinoma at CT evaluation, Urban BA; Fishman EK; Hruban RH, Radiology 1991; 179: 689

Helium ion therapy
long-term results of helium ion irradiation of uveal melanoma, Linstadt D; Castro J; Char D; et al, Int J Radiat Oncol Biol Phys 1990; 19: 613

Hemangioblastoma
See Angioma

Hemangioendothelioma
case report 519, Jaffe JW; Mesgarzadeh M; Bonakdarpour A; et al, Skeletal Radiol 1989; 18: 50
case report 520, Martinez-Tello FJ; Marcos-Robles J; Blanco-Lorenzo F, Skeletal Radiol 1989; 18: 55
case report 602, Lawson JP; Scott G, Skeletal Radiol 1990; 19: 158
epithelioid hemangioendothelioma: CT manifestations and possible linkage to vinyl chloride exposure, Shin MS; Carpenter JT Jr; Ho K-J, JCAT 1991; 15: 505
hemangioendothelioma of bone: CT findings, Merine DS; Fishman EK, JCAT 1989; 13: 1098
MR imaging of spindle cell hemangioendothelioma, Steinbach LS; Ominsky SH; Shpall S; et al, JCAT 1991; 15: 155
multiple collaterals to hepatic infantile hemangioendotheliomas and arteriovenous malformations: effect on embolization, Fellows KE; Hoffer FA; Markowitz RI; O'Neill JA Jr, Radiology 1991; 181: 813
perirenal hemangioendothelioma in a newborn: sonograph and MR findings, Koci TM; Worthen NJ; Phillips JJ; et al, JCAT 1989; 13: 145
scintigraphic features of malignant epithelioid hemangioendothelioma, Lee KS; Rossleigh MA; Fernandes VB; et al, Clin Nucl Med 1989; 14: 501
spontaneous pneumothorax caused by metastatic hemangioendothelioma: radiographic appearance and pathologic correlation, Takashima S; Takeuchi N; Morimoto S; et al, Acta Radiol 1989; 30: 181
variations in the vascular supply to infantile hepatic hemangioendotheliomas, Burrows PE, Radiology 1991; 181: 631

Hemangioma
See Angioma

Hemangiopericytoma
clinical and radiologic manifestations of hemangiopericytoma, Lorigan JG; David CL; Evans HL; et al, AJR 1989; 153: 345
from the archives of the AFIP: typical, atypical, and misleading features in meningioma, Buetow MP; Buetow PC; Smirniotopoulos JG, Radiographics 1991; 11: 1087
hemangiopericytoma—the role of radiotherapy, Staples JJ; Robinson RA; Wen B-C; et al, Int J Radiat Oncol Biol Phys 1990; 19: 445

Hematoma
See hemorrhage under names of organs and regions, such as Brain, hemorrhage

Hematopoiesis, extramedullary
case report: mammographic and sonographic demonstration of extramedullary haematopoiesis of the breast, Zonderland HM; Michiels JJ; Ten Kate FJW, Clin Radiol 1991; 44: 64
CT and MRI of symptomatic spinal involvement by extramedullary haemopoiesis, Papavasiliou C; Gouliamos A; Vlahos L; et al, Clin Radiol 1990; 42: 91
CT characteristics of intrahepatic, periportal, extramedullary hematopoiesis, Kobayashi A; Sugihara M; Kurosaki M; et al, JCAT 1989; 13: 354
diffuse intraabdominal lymphoma complicating idiopathic myelofibrosis: CT demonstration, Goodman P; Kumar R; Alperin JB, AJR 1991; 156: 1189
extramedullary hematopoiesis mimicking the appearance of carcinomatosis or peritoneal mesothelioma: computed tomography demonstration, Scott WW Jr; Fishman EK, Gastrointest Radiol 1990; 15: 82

fatty transformation of thoracic extramedullary hematopoiesis following splenectomy: CT features, Martin J; Palacio A; Petit J; et al, JCAT 1990; **14:** 477

Gd-DTPA enhancement in CNS extramedullary hematopoiesis, Buetow PC; Perry JJ; Geyer CA, AJNR 1990; **11:** 411

intracranial extramedullary hematopoiesis: CT and bone marrow scan findings, Urman M; O'Sullivan RA; Nugent RA; et al, Clin Nucl Med 1991; **16:** 431

intrahepatic extramedullary hematopoiesis: MR, CT, and sonographic appearance, Warshauer DM; Schiebler ML, JCAT 1991; **15:** 683

intrathoracic extramedullary hematopoiesis secondary to B12 and folate deficiency: CT appearance, Fielding JR; Owens M; Naimark A, JCAT 1991; **15:** 308

low back pain due to extramedullary hemopoiesis, Gouliamos A; Dardoufas C; Papailiou J; et al, Neuroradiol 1991; **33:** 284

masses of myeloadipose tissue: radiological and clinical considerations, Papavasiliou C; Gouliamos A; Deligiorgi E; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 985

MR imaging of pediatric hematologic disorders, Murayama S; Borne JA; Robinson AE; et al, Acta Radiol 1991; **32:** 267

retroperitoneal mass and spinal cord compression due to extramedullary haemopoieses in polycythaemia rubra vera, Jackson A; Burton IE, Br J Radiol 1989; **62:** 944

sonographic appearance of extramedullary hematopoiesis in the liver, Abbitt PL; Teates CD, JCU 1989; **17:** 280

ultrasound and computed tomographic appearance of extramedullary hematopoiesis encasing the renal pelvis, Tuite MJ; Weiss SL, JCU 1991; **19:** 238

ultrasound appearances of extramedullary haematopoiesis in the liver and spleen, Bradley MJ; Metreweli C, Br J Radiol 1990; **63:** 816

unusual manifestation of extramedullary haematopoiesis in thalassaemia major (report of 2 cases), Rao M; Mukhopadhyay S; Bhargava S, Australas Radiol 1989; **33:** 187

Hematuria

asymptomatic haematuria and abnormal urine cytology, Rao A; Kagan AR; Steckel RJ, Br J Radiol 1989; **62:** 864

hematuria: a marker of abdominal injury in children after blunt trauma, (ab), Taylor GA; Eichelberger MR; Potter BM, Radiology 1989; **172:** 591

hematuria and clinical findings as indications for intravenous pyelography in pediatric blunt renal trauma, (ab), Lieu TA; Fleisher GR; Mahboubi S; et al, Radiology 1989; **170:** 903

hematuria following blunt abdominal trauma: the utility of intravenous pyelography, (ab), Klein S; Johs S; Fujitani R; et al, Radiology 1989; **171:** 588

significance of hematuria in children after blunt abdominal trauma, Stalker HP; Kaufman RA; Stedje K, AJR 1990; **154:** 569

Hemochromatosis

clinical presentation of hemochromatosis: a changing scene, (ab), Adams PC; Kertesz AE; Valberg LS, Radiology 1991; **181:** 616

hepatic iron overload: paramagnetic pathology, Stark DD, Radiology 1991; **179:** 333

hip arthropathy in genetic hemochromatosis: radiographic and histologic features, (ab), Axford JS; Bomford A; Revell P; et al, Radiology 1991; **181:** 614

magnetic resonance imaging in hemochromatosis: extrahepatic iron deposition, Housman JF; Chezmar JL; Nelson RC, Gastrointest Radiol 1989; **14:** 59

parenchymal versus reticuloendothelial iron overload in the liver: distinction with MR imaging, Siegelman ES; Mitchell DG; Rubin R; Hann H-WL; Kaplan KR; Steiner RM; Rao VM; Schuster SJ; Burk DL Jr; Rifkin MD, Radiology 1991; **179:** 361

Hemodialysis

See Dialysis

Hemolytic-uremic syndrome

hemolytic-uremic syndrome: intrarenal arterial Doppler patterns as a useful guide to therapy, Patriquin HB; O'Regan S; Robitaille P; Paltiel H, Radiology 1989; **172:** 625

hemolytic uremic syndrome: MR findings of CNS complications, Sherwood JW; Wagle WA, AJNR 1991; **12:** 703

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

Hemophilia

case report 661, Armstrong SJ; Watt I, Skeletal Radiol 1991; **20:** 369

hemorrhage into a choledochal cyst in a hemophiliac child, Stein M; Oates E, Pediatr Radiol 1989; **20:** 118

pediatric case of the day, Preston AA; Griscom NT, Radiographics 1991; **11:** 501

reproducibility of the Pettersson scoring system: an interobserver study, Erlemann R; Rosenthal H; Walthers EM; et al, Acta Radiol 1989; **30:** 147

Hemophilus influenzae

Haemophilus influenzae abscess presenting as an asymptomatic lung mass, Balter MS; Fraser LE, J Canad Assoc Radiol 1990; **41:** 98

septic *Haemophilus influenzae* polyarthritis demonstrated best with Tc-99m HMPAO labeled leukocytes, Vorne M; Salo S; Anttolainen I; et al, Clin Nucl Med 1990; **15:** 883

Hemoptysis

See Lung, hemorrhage

Hemorrhage

See also under names of organs, such as Brain, hemorrhage

blunt splenic injuries: nonsurgical treatment with CT, arteriography, and transcatheter arterial embolization of the splenic artery, Sclafani SJA; Weisberg A; Scalea TM; Phillips TF; Duncan AO, Radiology 1991; **181:** 189

blunt splenic trauma and the angiographer: will we go back to the future?, Rees CR, Radiology 1991; **181:** 12

changes in splenic size after abdominal trauma, Goodman LR; Aprahamian C, Radiology 1990; **176:** 629

percutaneous abscess drainage: current concepts, vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW, Radiology 1991; **181:** 617

vascular complications of pancreatitis, Vujic I, Radiol Clin North Am 1989; **27:** 81

Hemorrhage, CT

changes in splenic size after abdominal trauma, Goodman LR; Aprahamian C, Radiology 1990; **176:** 629

Hemorrhage, MR

cause of signal loss in MR images of old hemorrhagic lesions, Hardy PA; Kucharczyk W; Henkelman RM, Radiology 1990; **174:** 549

evaluation of the susceptibility effect on the phase images of a simple gradient echo, Yamada N; Imakita S; Sakuma T; Nishimura Y; Yamada Y; Naito H; Nishimura T; Takamiya M, Radiology 1990; **175:** 561

hemorrhage simulating tumor growth in malignant fibrous histiocytoma at MR imaging, Panicek DM; Casper ES; Brennan MF; Hajdu SI; Heelan RT, Radiology 1991; **181:** 398

hemorrhagic fever with renal syndrome: MR imaging of the kidney, Kim SH; Sim S; Lee JS; Choi BI; Kim YG; Han JS; Park JH; Han MC; Kim C-W, Radiology 1990; **175:** 823

MR imaging of cerebral hematomas at different field strengths: theory and applications, Brooks RA; Di Chiro G; Patronas N, JCAT 1989; **13:** 194

MR imaging of experimental intramuscular hemorrhage at 0.02 T: contrast enhancement with Gd-DOTA, Niemi P; Paajanen H; Kormano M; et al, Acta Radiol 1990; **31:** 455

nonacute subdural hematoma: fundamental interpretation of MR images based on biochemical and in vitro MR analysis, Ebisu T; Naruse S; Horikawa Y; Tanaka C; Higuchi T, Radiology 1989; **171:** 449

prediction of neurodevelopmental outcome in the preterm infant: MR-staged myelination compared with cranial US, Guit GL; van de Bor M; den Ouden L; Wondergem JHM, Radiology 1990; **175:** 107

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US, Algra PR; Barkhof F; Valk J, Radiology 1990; **177:** 885

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US: reply, Guit GL; van de Bor M, Radiology 1990; **177:** 885

temporal changes in the oxidation state in in vitro blood, Taber KH; Migliore PJ; Pagani JJ; et al, Invest Radiol 1990; **25:** 240

Hemorrhage, radionuclide studies

incidental abnormalities detected during scintigraphy for gastrointestinal bleeding, Zuckier LS; Patel YD, Radiographics 1990; **10:** 467

unusual manifestations of hemorrhage during technetium-99m red cell blood pool imaging, Moreno AJ; Reeves TA; Pearson VD; et al, Clin Nucl Med 1989; **14:** 470

uptake of In-111 antifibrin in crush injuries, De Geeter F; Bossuyt A, Clin Nucl Med 1990; **14:** 695

Hemorrhagic fever

See Kidney, infection

Hemorrhoids

internal hemorrhoids: diagnosis with double-contrast barium enema examinations, Levine MS; Kam LW; Rubesin SE; Ekberg O, Radiology 1990; **177:** 141

Hemothorax

See Thorax, hemorrhage

Heparin

assessment of heparin anticoagulation during peripheral angioplasty, Mulry CC; LeVeen RF; Sobel M; Lampe PJ; Burke DR, JVIR 1991; **2:** 133

comparison between heparin and low-dose aspirin as adjunctive therapy with tissue plasminogen activator for acute myocardial infarction, (ab), Hsia J; Hamilton WP; Kleiman N; et al, JVIR 1991; **2:** 294

heparin in angiography: current patterns of use, Miller DL, Radiology 1989; **172:** 1007

heparin supplementation of nonionic contrast agents, Massee DR; Smith DC; Westengard JC; Bull BS, JVIR 1991; **2:** 209

radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ, Radiology 1990; **175:** 79

review of hypercoagulability syndromes: what the interventionalist needs to know, Perler BA, JVIR 1991; **2:** 183

risk of thromboembolism during diagnostic and interventional cardiac procedures with nonionic contrast media, Hwang MH; Piao ZE; Murdock DK; Messmore HL; Giardina JJ; Scanlon PJ, Radiology 1990; **174:** 453

Hepatic arteries

are the hepatic arteries "end arteries"?, Arnold MM; Kreel L; Lo Y-F; et al, Invest Radiol 1991; **26:** 337

hepatic arterial chemotherapy: role of angiography, Cho KJ; Andrews JC; Williams DM; Doenz F; Guy GE, Radiology 1989; **173:** 783

hepatic artery model for evaluating the distribution of intraarterial chemotherapy infusion: nonpulsed versus pulsed infusions, Matsumoto AH; Barth KH; Lutz RJ; Miller DL, Radiology 1989; **170:** 1077

liver transplant rejection: value of the resistive index in Doppler US of hepatic arteries, Marder DM; DeMarino GB; Sumkin JH; Sheahan DG, Radiology 1989; **173:** 127

loop catheter for superselective catheterization of the hepatic artery, Ohno K; Yamashita M; Kushima K; et al, AJR 1989; **153:** 296

use of a plastic pin vise to aid in torque control with a hydrophilic-polymer guide wire, Millward SF; Kisiel B, Radiology 1989; **173:** 580

Hepatic arteries, chemotherapeutic infusion

complications of hepatic arterial infusion chemotherapy, Pozniak MA; Babel SG; Trump DL, Radiographics 1991; **11:** 67

hepatic arterial chemotherapy: role of angiography, Cho KJ; Andrews JC; Williams DM; Doenz F; Guy GE, Radiology 1989; **173:** 783

unsatisfactory hepatic perfusion after placement of an implanted pump and catheter system: angiographic correlation, Andrews JC; Williams DM; Cho KJ; Knol JA; Wahl RL; Ensminger WD, Radiology 1989; **173:** 779

Hepatic arteries, stenosis or obstruction

angiogenesis after hepatic arterial occlusion in liver transplant patients, Yedlicka JW Jr; Halloran J; Payne WD; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Letourneau JG, JVIR 1991; **2:** 235

hepatic artery anastomotic stenosis after transplantation: treatment with percutaneous transluminal angioplasty, Abad J; Hidalgo EG; Cantarero JM; Parga G; Fernandez R; Gomez M; Colina F; Moreno E, Radiology 1989; **171:** 661

Hepatic arteries, therapeutic blockade

arterial embolization in the management of liver metastases, Allison DJ; Booth A, Cardiovasc Intervent Radiol 1990; **13:** 161

CT manifestations of a ruptured hepatic tumor after transcatheter arterial embolization, Nagata Y; Kohno S; Saga T; et al, Comput Med Imag Graph 1989; **13:** 419

evaluation of temporary liver dearterialization and embolization in patients with metastatic carcinoid tumour, Nobin A; Månsson B; Lunderquist A, Acta Oncol 1989; **28:** 419

expanding role of emergency embolization in the management of severe blunt hepatic trauma, Hashimoto S; Hiramatsu K; Ido K; et al, Cardiovasc Intervent Radiol 1990; **13:** 193

experimental hepatic artery embolization with a collagen embolic agent in rabbits: a microcirculatory study, Cho KJ; Fanders B; Smid A; et al, Invest Radiol 1989; **24:** 371

extended experience with recombinant α-2b interferon with or without hepatic artery embolization in the treatment of midgut carcinoid tumours: a preliminary report, Hanssen LE; Schrumpf E; Jacobsen MB; et al, Acta Oncol 1991; **30:** 523

hepatic arterial catheterization with use of a supple catheter with a ball tip, Hori S; Matsushita M; Narumi Y; Fujita M; Tomoda K, Radiology 1989; **171:** 860

hepatic arterial embolization for metastatic hormone-secreting tumors: technique, effectiveness, and complications, (ab), Marlink RG; Lokich JJ; Robins JR; et al, Radiology 1990; **177:** 889

hepatic arterial embolization in cases of extensive celiac arterial stenosis, Hori S; Inoue E; Narumi Y; Fujita M; Kadowaki K, Radiology 1991; **178:** 353

hepatic arterial embolization utilizing a coaxial catheter system: technical note, Coldwell DM, Cardiovasc Intervent Radiol 1990; **13:** 53

hepatic neoplasms: effects of transcatheter arterial embolization on coagulation and fibrinolysis, Katsushima S; Oi H; Nakagawa K; Iida Y; Hidaka A; Hatabu H; Kusui T; Konishi J, Radiology 1990; **174:** 747

hepatic transcatheter arterial embolization with gastroduodenal artery blocking by finger compression, Kubota H; Nimura Y; Hayakawa N; Shionoya S, Radiology 1989; **170:** 562

inadvertent pancreatic embolization as a complication of hepatic carcinoid treatment—computed tomography appearance, Mendelson DS; Rubinoff SW; Dan SJ; et al, Clin Imag 1989; **13:** 212

interventional treatment of hepatic arterial and venous pathology: a commentary, Rösch J; Petersen BD; Hall LD; et al, Cardiovasc Intervent Radiol 1990; **13:** 183

intraperitoneal hemorrhage from hepatocellular carcinoma: emergency chemoembolization or embolization, Okazaki M; Higashihara H; Koganemaru F; Nakamura T; Kitsuki H; Hoashi T; Makuuchi M, Radiology 1991; **180:** 647

microcatheter with a ball tip for hepatic embolization and intra-arterial chemotherapy, Hori S; Matsushita M; Narumi Y; et al, Eur J Radiol 1989; **9:** 44

MR imaging of the liver before and after transcatheter hepatic chemo-embolization for hepatocellular carcinoma, Yoshioka H; Nakagawa K; Shindou H; et al, Acta Radiol 1990; **31:** 63

multiple collaterals to hepatic infantile hemangioendotheliomas and arteriovenous malformations: effect on embolization, Fellows KE; Hoffer FA; Markowitz RI; O'Neill JA Jr, Radiology 1991; **181:** 813

prevention of gastric complications in hepatic arterial chemoembolization: balloon catheter occlusion technique, Nakamura H; Hashimoto T; Oi H; et al, Acta Radiol 1991; **32:** 81

prognostic factors in liver metastases after transcatheter arterial embolization or arterial infusion, (ab), Yamashita Y; Takahashi M; Koga Y; et al, JVIR 1991; **2:** 296

prognostic factors in liver metastases after transcatheter arterial embolization or arterial infusion, Yamashita Y; Takahashi M; Koga Y; et al, Acta Radiol 1990; **31:** 269

recombinant α-2 interferon with or without hepatic artery embolization in the treatment of midgut carcinoid tumours: a preliminary report, Hanssen LE; Schrumpf E; Kolbenstvedt AN; et al, Acta Oncol 1989; **28:** 439

repeated dearterialization of hepatic tumors with an implantable occluder, (ab), Persson BG; Jeppsson B; Ekberg H; et al, JVIR 1991; **2:** 298

scanning electron microscopy of intrahepatic microvasculature casts following experimental hepatic artery embolization, Demachi H; Matsui O; Takashima T, Cardiovasc Intervent Radiol 1991; **14:** 158

spontaneous hepatic hemorrhage in preeclampsia: treatment with hepatic arterial embolization, Terasaki KK; Quinn MF; Lundell CJ; Finck EJ; Pentecost MJ, Radiology 1990; **174:** 1039

transcatheter arterial chemotherapy using doxorubicin, iodized oil and Gelfoam embolization in hepatocellular carcinoma, Van Beers BE; Roche A; Cauquil P; et al, Acta Radiol 1989; **30:** 415

transcatheter arterial embolization in unresectable hepatocellular carcinoma, Yamada R; Kishi K; Sonomura T; et al, Cardiovasc Intervent Radiol 1990; **13:** 135

transcatheter hepatic arterial embolization with Avitene in dogs, Nakao N; Ohnishi M; Shimada T; et al, Cardiovasc Intervent Radiol 1991; **14:** 124

transcatheter hepatic segmental arterial embolization using lipiodol mixed with an anticancer drug and Gelfoam particles for hepatocellular carcinoma, Uchida H; Ohishi H; Matsuo N; et al, Cardiovasc Intervent Radiol 1990; **13:** 140

variable patterns of technetium-99m MAA perfusion in the therapeutically embolized liver, Hall JT; Kim EE; Charnsangavej C; et al, J Nucl Med 1989; **30:** 1012

variations in the vascular supply to infantile hepatic hemangioendotheliomas, Burrows PE, Radiology 1991; **181:** 631

Hepatic arteries, thrombosis

angiogenesis after hepatic arterial occlusion in liver transplant patients, Yedlicka JW Jr; Halloran J; Payne WD; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Letourneau JG, JVIR 1991; **2:** 235

false-negative duplex Doppler studies in children with hepatic artery thrombosis after liver transplantation, Hall TR; McDiarmid SV; Grant EG; et al, AJR 1990; **154:** 573

hepatic artery anastomotic stenosis after transplantation: treatment with percutaneous transluminal angioplasty, Abad J; Hidalgo EG; Cantarero JM; Parga G; Fernandez R; Gomez M; Colina F; Moreno E, Radiology 1989; **171:** 661

variability of clinical presentation of hepatic artery thrombosis in pediatric liver transplantation: role of imaging modalities, Pariente D; Riou JY; Schmit P; et al, Pediatr Radiol 1990; **20:** 253

Hepatic arteries, transluminal angioplasty

hepatic artery anastomotic stenosis after transplantation: treatment with percutaneous transluminal angioplasty, Abad J; Hidalgo EG; Cantarero JM; Parga G; Fernandez R; Gomez M; Colina F; Moreno E, Radiology 1989; **171:** 661

stenoses of vascular anastomoses after hepatic transplantation: treatment with balloon angioplasty, Raby N; Karani J; Thomas S; et al, AJR 1991; **157:** 167

Hepatic arteries, US

color Doppler sonography of the hepatic artery and portal venous system, Ralls PW, AJR 1990; **155:** 517

intrahepatic hepatic artery aneurysm: computed tomography and color-flow Doppler ultrasound findings, Warshauer DM; Keefe B; Mauro MA, Gastrointest Radiol 1991; **16:** 175

Hepatic veins

atypical leiomyoma arising in an hepatic vein with extension into the inferior vena cava and right atrium, Dunlap HJ; Udjus K, Pediatr Radiol 1990; **20:** 202

distinction of hepatic vein from portal vein by MR imaging, Otake S; Matsuo M; Kuroda Y, JCAT 1990; **14:** 201

malignant biliary obstruction complicated by ascites: transjugular insertion of an expandable metallic endoprosthesis, Ring EJ; Gordon RL; LaBerge JM; Shapiro HA, Radiology 1991; **180:** 579

Hepatic veins, CT

demonstration of hepatic veins by computed tomography using axial and angulated scanning, Tidebrant G; Lukes P; Tylén U; et al, Acta Radiol 1991; **32:** 149

Hepatic veins, MR

inferior right hepatic veins: MR assessment of prevalence and potential clinical significance in children, Ng YY; Finn JP; Hall-Craggs MA, Pediatr Radiol 1990; **20:** 605

Hepatic veins, stenosis or obstruction

Budd-Chiari syndrome, Stanley P, Radiology 1989; **170:** 625

Budd-Chiari syndrome, Halkar RK, Radiology 1989; **172:** 580

Budd-Chiari syndrome, Hautekeete ML; Brenard R; Hadengue A; Benhamou J-P, Radiology 1989; **173:** 578

Budd-Chiari syndrome: reply, Stanley P, Radiology 1989; **173:** 578

Budd-Chiari syndrome: treatment with percutaneous transhepatic recanalization and dilation, Lois JF; Hartzman S; McGlade CT; Gomes AS; Grant EC; Berquist W; Perrella RR; Busuttil RW, Radiology 1989; **170:** 791

Doppler sonography: a noninvasive method for evaluation of hepatic venocclusive disease, Brown BP; Abu-Yousef M; Farner R; et al, AJR 1990; **154:** 721

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; **170:** 733

obstruction to hepatic venous drainage after liver transplantation: treatment with balloon angioplasty, Zajko AB; Claus D; Clapuyt P; Esquivel CO; Moulin D; Starzl TE; de Ville de Goyet J; Otte JB, Radiology 1989; **170:** 763

percutaneous placement of a hepatic vein stent in the treatment of Budd-Chiari syndrome, Walker HS; Rholl KS; Register TE; van Breda A, JVIR 1990; **1:** 23

Hepatic veins, thrombosis

acute thrombosis of the inferior vena cava and hepatic veins in patients with Budd-Chiari syndrome: CT demonstration, Mori H; Maeda H; Fukuda T; et al, AJR 1989; **153:** 987

angioplasty for long-term treatment of patients with Budd-Chiari syndrome, Martin LG; Henderson JM; Millikan WJ Jr; et al, AJR 1990; **154:** 1007

Budd-Chiari syndrome, Stanley P, Radiology 1989; **170:** 625

Budd-Chiari syndrome, Halkar RK, Radiology 1989; **172:** 580

Budd-Chiari syndrome, Hautekeete ML; Brenard R; Hadengue A; Benhamou J-P, Radiology 1989; **173:** 578

Budd-Chiari syndrome in children: report of 22 cases, (ab), Gentil-Kocher S; Bernard O; Brunelle F; et al, Radiology 1989; **171:** 888

Budd-Chiari syndrome: reply, Stanley P, Radiology 1989; **173:** 578

Budd–Chiari syndrome: shunt selection and post-operative assessment, Raby N; Karani J; Meire H; et al, Clin Radiol 1989; **40:** 586

Budd-Chiari syndrome: the results of duplex and color Doppler imaging, Grant EG; Perrella RR; Tessler FN; et al, AJR 1989; **152:** 377

Budd-Chiari syndrome: treatment with percutaneous transhepatic recanalization and dilation, Lois JF; Hartzman S; McGlade CT; Gomes AS; Grant EC; Berquist W; Perrella RR; Busuttil RW, Radiology 1989; **170:** 791

case report: unusual CT appearances in a case of Budd-Chiari syndrome, Arora A; Seth S; Sharma MP; et al, Clin Radiol 1991; **43:** 431

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; **170:** 733

multidisciplinary imaging of Budd-Chiari syndrome, Fineman DS; Baran SD; Palestro CJ; et al, Clin Nucl Med 1989; **14:** 372

obstruction to hepatic venous drainage after liver transplantation: treatment with balloon angioplasty, Zajko AB; Claus D; Clapuyt P; Esquivel CO; Moulin D; Starzl TE; de Ville de Goyet J; Otte JB, Radiology 1989; **170:** 763

percutaneous placement of a hepatic vein stent in the treatment of Budd-Chiari syndrome, Walker HS; Rholl KS; Register TE; van Breda A, JVIR 1990; **1:** 23

primary Budd–Chiari syndrome: demonstration by real-time two-dimensional Doppler echography, Sukigara M; Kimura S; Adachi H; et al, JCU 1989; **17:** 615

recognition and management of Budd-Chiari syndrome: report of one hundred cases, (ab), Wang Z; Zhu Y; Wang S; et al, Radiology 1990; **175:** 291

SPECT imaging in the diagnosis of Budd-Chiari syndrome, Kim CK; Palestro CJ; Goldsmith SJ, J Nucl Med 1990; **31:** 109

Hepatic veins, transluminal angioplasty

Budd-Chiari syndrome: treatment with percutaneous transhepatic recanalization and dilation, Lois JF; Hartzman S; McGlade CT; Gomes AS; Grant EC; Berquist W; Perrella RR; Busuttil RW, Radiology 1989; **170:** 791

obstruction to hepatic venous drainage after liver transplantation: treatment with balloon angioplasty, Zajko AB; Claus D; Clapuyt P; Esquivel CO; Moulin D; Starzl TE; de Ville de Goyet J; Otte JB, Radiology 1989; **170:** 763

percutaneous placement of a hepatic vein stent in the treatment of Budd-Chiari syndrome, Walker HS; Rholl KS; Register TE; van Breda A, JVIR 1990; **1:** 23

stenoses of vascular anastomoses after hepatic transplantation: treatment with balloon angioplasty, Raby N; Karani J; Thomas S; et al, AJR 1991; **157:** 167

Hepatic veins, US

Budd-Chiari syndrome: the results of duplex and color Doppler imaging, Grant EG; Perrella RR; Tessler FN; et al, AJR 1989; **152:** 377

case report: ultrasound demonstration of gas in hepatic veins, James PNE; Chalmers AG; Fowler RC, Clin Radiol 1989; **40:** 429

Doppler sonography: a noninvasive method for evaluation of hepatic venocclusive disease, Brown BP; Abu-Yousef M; Farner R; et al, AJR 1990; **154:** 721

duplex Doppler sonography of the hepatic vein in tricuspid regurgitation, Abu-Yousef MM, AJR 1991; **156:** 79

flow changes in hepatic veins in congestive cardiac insufficiency: a study using pulsed Doppler US, Alvarez G; Sanchez la Fuente J; Lopez J; et al, Eur J Radiol 1989; **9:** 163

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; **170:** 733

liver cirrhosis: changes of Doppler waveform of hepatic veins, Bolondi L; Li Bassi S; Gaiani S; Zironi G; Benzi G; Santi V; Barbara L, Radiology 1991; **178:** 513

primary Budd–Chiari syndrome: demonstration by real-time two-dimensional Doppler echography, Sukigara M; Kimura S; Adachi H; et al, JCU 1989; **17:** 615

sonographic anatomy of the caudate lobe veins, Fanney DR; Castillo M; Casillas J; et al, JCU 1990; **18:** 27

ultrasound case of the day, Lee RA; Lewis BD, Radiographics 1990; **10:** 369

Hepatitis

adenomatous hyperplastic nodules in the cirrhotic liver: differentiation from hepatocellular carcinoma with MR imaging, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Arai K; Gabata T; Takashima T; Nakanuma Y; Terada T; Ida M, Radiology 1989; **173:** 123

alcoholic liver disease: quantitative image-guided P-31 MR spectroscopy, Meyerhoff DJ; Boska MD; Thomas AM; Weiner MW, Radiology 1989; **173:** 393

asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; **178:** 769

hepatic cirrhosis and hepatitis: MR imaging enhanced with superparamagnetic iron oxide, Elizondo G; Weissleder R; Stark DD; Guerra J; Garza J; Fretz CJ; Todd LE; Ferrucci JT, Radiology 1990; **174:** 797

indium-111 WBC scan in acute toxic centrilobular hepatic necrosis, Davidson RM; Dhekne RD; Moore WH; et al, Clin Nucl Med 1989; **14:** 877

inflammatory pseudotumor of the liver: clinicopathologic study and review of the literature, (ab), Horiuchi R; Uchida T; Kojima T; et al, Radiology 1990; **176:** 882

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

long-term follow-up hepatitis using computed tomography, Ishikawa N; Nakagawa S; Hirata K; et al, JCAT 1989; **13:** 645

lymph node enlargement as a sign of acute hepatitis A in children, Toppet V; Souayah H; Delplace O; et al, Pediatr Radiol 1990; **20:** 249

measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Juni JE; Reichle R, Radiology 1990; **177:** 171

method to control spraying of high-velocity infected blood droplets during arterial catheterization, Cope C; Machan L, Radiology 1990; **174:** 1055

morphologic and motility changes of the gallbladder in response to acute liver injury: a prospective real-time sonographic study in 255 patients with acute viral hepatitis, Giorgio A; Francica G; Amoroso P; et al, J Ultrasound Med 1989; **8:** 499

multifocal cytomegalovirus-associated hepatic lesions simulating metastases in AIDS, Vieco PT; Rochon L; Lisbona A, Radiology 1990; **176:** 123

oriental cholangiohepatitis: pathologic, clinical, and radiologic features, Lim JH, AJR 1991; **157:** 1

oriental cholangiohepatitis: sonographic findings in 48 cases, Lim JH; Ko YT; Lee DH; et al, AJR 1990; **155:** 511

portal hemodynamics in idiopathic portal hypertension (Banti's syndrome): comparison with chronic persistent hepatitis and normal subjects, (ab), Ohnishi K; Saito M; Sato S; et al, Radiology 1989; **170:** 900

retained intrahepatic stones: treatment with piezoelectric lithotripsy combined with stone extraction, Choi BI; Han JK; Park YH; Yoon YB; Han MC; Kim C-W, Radiology 1991; **178:** 105

Hepatoblastoma

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Heredity

See Familial conditions

Hernia

See also Herniography; under names of organs and regions, such as Brain, hernia

caecal herniation through the foramen of Winslow, Lemish W; Cameron D, Australas Radiol 1989; **33:** 109

case of the month: a case of colonic defection, Butterworth R; Adams H, Br J Radiol 1990; **63:** 905

computed tomographic evaluation of paraesophageal hernia, Vas W; Malpani AR; Singer J; et al, Gastrointest Radiol 1989; **14:** 291

computed tomography demonstration of inferior lumbar (Petit's) hernia, Chenoweth J; Vas W, Clin Imag 1989; **13:** 164

computed tomography of lesser sac hernia through the gastrohepatic omentum, Tran TL; Regan F; Al-Kutoubi MAO, Br J Radiol 1991; **64:** 372

enormous abdominal hernia: technetium-99m labeled RBC study, Brassard A; LeBel L; Laflamme L; et al, Clin Nucl Med 1989; **14:** 774

flank incisional hernia noted on radionuclide dynamic/static images, Slavin JD Jr; Kassamali H; Spencer RP; et al, Clin Nucl Med 1989; **14:** 548

hernias of the inferior lumbar space: diagnosis with US, Siffring PA; Forrest TS; Frick MP, Radiology 1989; **170:** 190

incarcerated obturator hernia: case diagnosed at barium enema fluoroscopy, Glicklich M; Eliasoph J, Radiology 1989; **172:** 51

late-presenting pediatric Bochdalek hernia: a 20-year review, (ab), Berman LH; Stringer DA; Ein SH; et al, Radiology 1989; **171:** 295

posterior perineal hernia presenting in infancy as a gluteal mass, Hubbard AM; Egelhoff JC, Pediatr Radiol 1989; **19:** 246

traumatic lumbar hernia: CT diagnosis, Faro SH; Racette CD; Lally JF; et al, AJR 1990; **154:** 757

Hernia, diaphragmatic

complication of a Morgagni hernia, Fisher L; O'Donnell CJ, Australas Radiol 1990; **34:** 86

delayed presentation of a Bochdalek hernia in a child, Kraus RA; Mann CI, J Canad Assoc Radiol 1989; **40:** 176

delayed presentation of traumatic diaphragmatic hernia, McHugh K; Ogilvie BC; Brunton FJ, Clin Radiol 1991; **43:** 246

diaphragmatic (Bochdalek) hernias simulating pulmonary metastases on computed tomography, Brooks AP; McLean A; Reznek RH, Clin Radiol 1990; **42:** 102

gastric bubble: Roentgen observations, Gurney JW; Olson DL; Schroeder BA, Radiographics 1989; **9:** 467

intrathoracic appendicitis in a ten-year-old girl, Zerin JM, Invest Radiol 1990; **25:** 1162

MRI diagnosis of delayed presentation of traumatic diaphragmatic hernia, Daum-Kowalski R; Shanley DJ; Murphy T, Gastrointest Radiol 1991; **16:** 298

second trimester sonographic diagnosis of fetal congenital diaphragmatic hernia, with spontaneous resolution during the third trimester, resulting in a normal infant at delivery, Sherer DM; Woods JR Jr, JCU 1991; **19:** 298

sonographic and magnetic resonance imaging of an anterior diaphragmatic hernia, Newman B; Davis PL, Pediatr Radiol 1989; **20:** 110

traumatic rupture of the right hemidiaphragm with hepatic herniation: real-time ultrasound demonstration, Fung HMY; Vickar DB, J Ultrasound Med 1991; **10:** 295

use of lung–thorax transverse area ratio in the antenatal evaluation of lung hypoplasia in congenital diaphragmatic hernia, Hasegawa T; Kamata S; Imura K; et al, JCU 1990; **18:** 705

Hernia, hiatal

effects of Buscopan on gastro-oesophageal reflux and hiatus hernia, Rajah RR, Clin Radiol 1990; **41:** 250

gastric bubble: Roentgen observations, Gurney JW; Olson DL; Schroeder BA, Radiographics 1989; **9:** 467

gastric torsion, Reddy ER; Onyett H; Fitzgerald GWN, J Canad Assoc Radiol 1989; **40:** 47

iatrogenic paraesophageal hiatus hernia, (ab), Streitz JM Jr; Ellis FH Jr, Radiology 1991; **179:** 884

impairment of esophageal emptying with hiatal hernia, (ab), Sloan S; Kahrilas PJ, Radiology 1991; **181:** 290

mediastinal pseudotumor due to passage of ascites through the esophageal hiatus, Pandolfo I; Gaeta M; Scribano E; et al, Gastrointest Radiol 1989; **14:** 209

ultrasound diagnosis of gastroesophageal reflux and hiatal hernia in infants and young children, Westra SJ; Wolf BHM; Staalman CR, JCU 1990; **18:** 477

Hernia, inguinal

cross-sectional imaging of abdominal wall hernias, Wechsler RJ; Kurtz AB; Needleman L; et al, AJR 1989; **153:** 517

hernia through the foramen of Winslow. a report of two cases with emphasis on plain film interpretation, Tran TL; Pitt PCC, Clin Radiol 1989; **40:** 264

inguinal hernia in urological patients: the value of herniography, (ab), Ekberg O; Abrahamsson P-A; Kesek P, Radiology 1989; **170:** 289

lateral inguinal hernia detected on routine bone scan, Palmer-Lawrence JL; Mahan EF III; Logic JR, Clin Nucl Med 1990; **15:** 926

patent processus vaginalis, Vieco PT; Stern J; Herschorn S, Clin Nucl Med 1990; **15:** 263

Hernia, perineal

CT diagnosis of posterior perineal hernia, Lubat E; Gordon RB; Birnbaum BA; et al, AJR 1990; **154:** 761

Herniography

inguinal hernia in urological patients: the value of herniography, (ab), Ekberg O; Abrahamsson P-A; Kesek P, Radiology 1989; **170:** 289

Herpes simplex

Gd-DTPA enhanced MRI of herpes simplex encephalitis: a case report, Switzer P; Gomori JM; Eliashiv S, Clin Imag 1991; **15:** 121

magnetic resonance imaging in herpes simplex encephalitis, Albertyn LE, Australas Radiol 1990; **34:** 117

MR findings in neonatal herpes simplex encephalitis type II, Enzmann D; Chang Y; Augustyn GT, JCAT 1990; **14:** 453

plastic wrap for ultrasound transducers: herpes simplex virus transmission, Garland SM; Newnan DM; de Crespigny LC, J Ultrasound Med 1989; **8:** 661

progressive calcifications of lung and liver in neonatal herpes simplex virus infection, Mannhardt W; Schumacher R, Pediatr Radiol 1991; **21:** 236

proton MR spectroscopy in herpes simplex encephalitis: assessment of neuronal loss, Menon DK; Sargentoni J; Peden CJ; et al, JCAT 1990; **14:** 449

Hexabrix

See Ioxaglate

Hexamethylpropyleneamineoxime (HMPAO)

analysis of the arterial input curve for technetium-99m-HMPAO: quantification of rCBF using single-photon emission computed tomography, Pupi A; De Cristofaro MTR; Bacciottini L; et al, J Nucl Med 1991; **32:** 1501

cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P, Radiology 1990; **175:** 111

cerebral perfusion abnormalities in therapy-resistant epilepsy in mentally retarded pediatric patients: comparison between EEG, x-ray CT, and Tc-99m HMPAO, Abdel-Dayem HM; Nawaz MK; Hassoon MM; et al, Clin Nucl Med 1991; **16:** 557

chronic prosthetic vascular graft infection visualized with technetium-99m-hexamethylpropyleneamine oxime-labeled leukocytes, Vorne M; Laitinen R; Lantto T; et al, J Nucl Med 1991; **32:** 1425

clinical SPRINT imaging: preliminary results compared to conventional SPECT brain scanning using Tc-99m HMPAO, Mountz JM; Rogers WL; Wilson MW; et al, Clin Nucl Med 1991; **16:** 562

increased brain retention of Tc-99m HMPAO following acetazolamide administration, Burt RW; Witt RM; Cikrit D; et al, Clin Nucl Med 1991; **16:** 568

SPECT evaluation of brain perfusion reserve by the acetazolamide test using Tc-99m HMPAO, Matsuda H; Higashi S; Kinuya K; et al, Clin Nucl Med 1991; **16:** 572

Tc-99m HMPAO to demonstrate diffuse cortical necrosis in vivo, McEwan AJB; Jackson FI; Catz Z; et al, Clin Nucl Med 1991; **16:** 167

technetium-99m-d,l-hexamethylpropyleneamine oxime (HMPAO) uptake and glutathione content in brain tumors, Suess E; Malessa S; Ungersböck K; et al, J Nucl Med 1991; **32:** 1675

watershed infarcts, Tc-99m HMPAO SPECT and CT correlation: case reports, Sullivan T; Villanueva-Meyer J; Liu C-K; et al, Clin Nucl Med 1991; **16:** 170

Hibernoma

case of the month: "the dormouse is asleep again" said the Hatter, and he poured a little hot tea upon its nose (*Lewis Carroll*), Ward SC; Hornsby VPL, Br J Radiol 1990; **63:** 733

from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; **11:** 81

Hip

is there a relationship between femoral anteversion and leg torsion?, Reikerås O, Skeletal Radiol 1991; **20:** 409

Hip, abnormalities

anteversion of the femur and idiopathic osteoarthrosis of the hip, (ab), Wedge JH; Munkacsi J; Loback D, Radiology 1990; **174:** 589

evaluation of the measurement methods for protrusio acetabuli in normal children, Gusis SE; Babini JC; Garay SM; et al, Skeletal Radiol 1990; **19:** 279

imaging of hip disorders, Brower AC; Kransdorf MJ, Radiol Clin North Am 1990; **28:** 955

incidence of heterotopic ossification after total hip replacement: effect of the type of fixation of the femoral component, (ab), Maloney WJ; Krushell RJ; Jasty M; et al, Radiology 1991; **181:** 295

pediatric case of the day, Preston AA; Griscom NT, Radiographics 1991; **11:** 501

spondylometaphyseal dysplasia, corner fracture type: a heritable condition associated with coxa vara, Langer LO Jr; Brill PW; Ozonoff MB; Pauli RM; Wilson WG; Alford BA; Pavlov H; Drake DG, Radiology 1990; **175:** 761

ultrasound of congenital dysplasia of the infant hip, (ab), Boal DKB; Schwentker EP, Radiology 1989; **172:** 888

Hip, anatomy

acetabular anatomy and the transacetabular fixation of screws in total hip arthroplasty, (ab), Wasielewski RC; Cooperstein LA; Kruger MP; et al, Radiology 1990; **177:** 294

calcar femorale: an anatomic, radiologic, and surgical correlative study, Stiles RG; Laverina CJ; Resnick D; et al, Invest Radiol 1990; **25:** 1311

MR imaging anatomy of the infant hip, Johnson ND; Wood BP; Noh KS; et al, AJR 1989; **153:** 127

Hip, arthritis

American College of Rheumatology criteria for the classification and reporting of osteoarthritis of the hip, (ab), Altman R; Alarcón G; Appelrouth D; et al, Radiology 1991; **181:** 912

femoral and acetabular photopenia associated with septic hip arthritis, Williamson BRJ; Sistrom CL, Clin Nucl Med 1991; **16:** 52

heterotopic bone formation after hip replacement: the influence of the type of osteoarthritis, (ab), Goel A; Sharp DJ, Radiology 1991; **181:** 614

osteoarthritis and bone: osteologic types of osteoarthritis of the hip, Oettmeier R; Abendroth K, Skeletal Radiol 1989; **18:** 165

sonography of hip joint in infective arthritis, Shiv VK; Jain AK; Taneja K; et al, J Canad Assoc Radiol 1990; **41:** 76

subchondral lucencies and synovial disease: a case report and discussion, Gruden JF; Kaye JJ, Clin Imag 1990; **14:** 333

Hip, arthrography

arthrography of painful hips following arthroplasty: digital versus plain film subtraction, Walker CW; FitzRandolph RL; Collins DN; et al, Skeletal Radiol 1991; **20:** 403

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99

computed tomography arthrography in traumatic hip dislocation: intra-articular and capsular findings, Glynn TP Jr; Kreipke DL; DeRosa GP, Skeletal Radiol 1989; **18:** 29

contrast and nuclear arthrography in loosening of the uncemented hip prosthesis, Swan JS; Braunstein EM; Wellman HN; et al, Skeletal Radiol 1991; **20:** 15

K-edge digital subtraction arthrography of the painful hip prosthesis: a feasibility study, Kelcz F; Peppler WW; Mistretta CA; et al, AJR 1990; **155:** 1053

lymphatic opacification in the prosthetic hip, Bloom RA; Gheorghiu D; Krausz Y, Skeletal Radiol 1991; **20:** 43

plain film and arthrographic findings in painful total hip arthroplasties with surgical correlation, Cain TM; Fon GT; Brumby S; et al, Australas Radiol 1990; **34:** 211

role of routine percutaneous hip aspirations prior to prosthesis revision, Gould ES; Potter HG; Bober SE, Skeletal Radiol 1990; **19:** 427

synovial chondromatosis of the hip: evaluation with air computed arthrotomography, Blacksin MF; Ghelman B; Freiberger RH; et al, Clin Imag 1990; **14:** 315

Hip, CT

acetabular angles and femoral anteversion in dysplastic hips in adults: CT investigation, Anda S; Terjesen T; Kvistad KA; et al, JCAT 1991; **15:** 115

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99

computed tomography arthrography in traumatic hip dislocation: intra-articular and capsular findings, Glynn TP Jr; Kreipke DL; DeRosa GP, Skeletal Radiol 1989; **18:** 29

computed tomography measurements of the acetabulum in adult dysplastic hips: which level is appropriate?, Anda S; Terjesen T; Kvistad KA, Skeletal Radiol 1991; **20:** 267

MR and CT appearance of iliopsoas bursal distention secondary to diseased hips, Pritchard RS; Shah HR; Nelson CL; et al, JCAT 1990; **14:** 797

simulated femoral repositioning with three-dimensional CT, Gerber JD; Ney DR; Magid D; et al, JCAT 1991; **15:** 121

use of quantitative computed tomography to estimate risk of fracture of the hip from falls, (ab), Lotz JC; Hayes WC, Radiology 1991; **178:** 295

Hip, diseases

acetabular angles and femoral anteversion in dysplastic hips in adults: CT investigation, Anda S; Terjesen T; Kvistad KA; et al, JCAT 1991; **15:** 115

hip arthropathy in genetic hemochromatosis: radiographic and histologic features, (ab), Axford JS; Bomford A; Revell P; et al, Radiology 1991; **181:** 614

hip pain in three children accompanied by transient abnormal findings on MR images, Pay NT; Singer WS; Bartal E, Radiology 1989; **171:** 147

MR imaging of transient osteoporosis, Leonidas JC, Radiology 1989; **170:** 281

MR imaging of transient osteoporosis: reply, Bloem JL, Radiology 1989; **170:** 281

Hip, dislocation

assessment of congenital hip dislocation with real-time ultrasound: a pictoral essay, Boal DKB; Schwentker EP, Clin Imag 1991; **15:** 77

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99

computed tomography arthrography in traumatic hip dislocation: intra-articular and capsular findings, Glynn TP Jr; Kreipke DL; DeRosa GP, Skeletal Radiol 1989; **18:** 29

CT detection of cortical fracture of the femoral head associated with posterior hip dislocation, Richardson P; Young JWR; Porter D, AJR 1990; **155:** 93

hazards of internal fixation in the treatment of slipped capital femoral epiphysis, (ab), Riley PM; Weiner DS; Gillespie R; et al, Radiology 1991; **179:** 887

osteochondral impaction of the femoral head associated with hip dislocation: CT study in 35 patients, Tehranzadeh J; Vanarthos W; Pais MJ, AJR 1990; **155:** 1049

streptococcal antigen-induced dislocation and dysplasia of the hip in newborn rats: radiologic and histologic evaluation of a model of congenital dislocation of the hip, Parker MD; Clark RL; Cuttino JT Jr; et al, Invest Radiol 1989; **24:** 604

Hip, fractures

biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography, Hayes WC; Piazza SJ; Zysset PK, Radiol Clin North Am 1991; **29:** 1

ipsilateral femoral neck and shaft fractures: an overlooked association, Daffner RH; Riemer BL; Butterfield SL, Skeletal Radiol 1991; **20:** 251

lifetime risk of hip, Colles', or vertebral fracture and coronary heart disease among white postmenopausal women, (ab), Cummings SR; Black DM; Rubin SM, Radiology 1990; **175:** 592

lower-extremity venous thrombosis in patients with acute hip fractures: determination of anatomic location and time of onset with compression sonography, Dorfman GS; Froehlich JA; Cronan JJ; et al, AJR 1990; **154:** 851

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

occult fractures of the proximal femur: MR imaging, Deutsch AL; Mink JH; Waxman AD, Radiology 1989; **170:** 113

pitfalls of bone scintigraphy in suspected hip fractures, Lewis SL; Rees JIS; Thomas GV; et al, Br J Radiol 1991; **64:** 403

radionuclide bone imaging in the early detection of fractures of the proximal femur (hip): multifactorial analysis, Holder LE; Schwarz C; Wernicke PG; Michael RH, Radiology 1990; **174:** 509

use of quantitative computed tomography to estimate risk of fracture of the hip from falls, (ab), Lotz JC; Hayes WC, Radiology 1991; **178:** 295

Hip, infection

cemented total hip prosthesis: radiographic and scintigraphic evaluation, Aliabadi P; Tumeh SS; Weissman BN; McNeil BJ, Radiology 1989; **173:** 203

Hip, MR

apparent avascular necrosis of the hip: appearance and spontaneous resolution of MR findings in renal allograft recipients, Kopecky KK; Braunstein EM; Brandt KD; Filo RS; Leapman SB; Capello WN; Klatte EC, Radiology 1991; **179:** 523

bone grafting in total hip replacement: preliminary results with MRI, Pedrosa P; Wenda K; Higer HP; et al, Eur J Radiol 1989; **9:** 12

core decompression for avascular necrosis of the femoral head: correlation between long-term results and preoperative MR staging, Beltran J; Knight CT; Zuelzer WA; Morgan JP; Shwendeman LJ; Chandnani VP; Mosure JC; Shaffer PB, Radiology 1990; **175:** 533

herniation pits of the femoral neck: appearance at MR imaging, Nokes SR; Vogler JB; Spritzer CE; Martinez S; Herfkens RJ, Radiology 1989; **172:** 231

magnetic resonance imaging in children with acute hip pain, Ranner G; Ebner F; Fotter R; et al, Pediatr Radiol 1989; **20:** 67

magnetic resonance imaging of hip disorders, Ensign MF, Semin US CT MR 1990; **11:** 288

MR-anatomy of infants hip: comparison to anatomical preparations, Krasny R; Prescher A; Botschek A; et al, Pediatr Radiol 1991; **21:** 211

MR and CT appearance of iliopsoas bursal distention secondary to diseased hips, Pritchard RS; Shah HR; Nelson CL; et al, JCAT 1990; **14:** 797

MR appearance of the distended iliopsoas bursa, Varma DGK; Richli WR; Charnsangavej C; et al, AJR 1991; **156:** 1025

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

MR imaging anatomy of the infant hip, Johnson ND; Wood BP; Noh KS; et al, AJR 1989; **153:** 127

MR imaging of transient osteoporosis, Leonidas JC, Radiology 1989; **170:** 281

MR imaging of transient osteoporosis: reply, Bloem JL, Radiology 1989; **170:** 281

normal age-related changes in bone marrow in the axial skeleton at MR imaging, Schick RM, Radiology 1991; **179:** 877

normal age-related changes in bone marrow in the axial skeleton at MR imaging: reply, Zerhouni EA; Ricci C, Radiology 1991; **179:** 877

normal age-related patterns of cellular and fatty bone marrow distribution in the axial skeleton: MR imaging study, Ricci C; Cova M; Kang YS; Yang A; Rahmouni A; Scott WW Jr; Zerhouni EA, Radiology 1990; **177:** 83

occult fractures of the proximal femur: MR imaging, Deutsch AL; Mink JH; Waxman AD, Radiology 1989; **170:** 113

Hip, necrosis

apparent avascular necrosis of the hip: appearance and spontaneous resolution of MR findings in renal allograft recipients, Kopecky KK; Braunstein EM; Brandt KD; Filo RS; Leapman SB; Capello WN; Klatte EC, Radiology 1991; **179:** 523

core decompression for avascular necrosis of the femoral head: correlation between long-term results and preoperative MR staging, Beltran J; Knight CT; Zuelzer WA; Morgan JP; Shwendeman LJ; Chandnani VP; Mosure JC; Shaffer PB, Radiology 1990; **175:** 533

osteonecrosis of the hip treated by intertrochanteric osteotomy: a four- to 15-year follow-up, (ab), Maistrelli G; Fusco U; Avai A; et al, Radiology 1989; **172:** 294

pixel overflow artifacts in SPECT evaluation of the skeleton, Bunker SR; Handmaker H; Torre DM; Schmidt WP, Radiology 1990; **174:** 229

total hip replacement in the renal transplant recipient, (ab), Radford PJ; Doran A; Greatorex RA; et al, Radiology 1989; **173:** 886

total replacement of the hip for avascular necrosis in sickle cell disease, (ab), Clarke HJ; Jinnah RH; Brooker AF; et al, Radiology 1989; **173:** 886

Hip, prostheses

acetabular anatomy and the transacetabular fixation of screws in total hip arthroplasty, (ab), Wasielewski RC; Cooperstein LA; Kruger MP; et al, Radiology 1990; **177:** 294

aggressive granulomatous lesions in cementless total hip arthroplasty, (ab), Santavirta S; Hoikka V; Eskola A; et al, Radiology 1991; **179:** 887

arthrography of painful hips following arthroplasty: digital versus plain film subtraction, Walker CW; FitzRandolph RL; Collins DN; et al, Skeletal Radiol 1991; **20:** 403

bone grafting in total hip replacement: preliminary results with MRI, Pedrosa P; Wenda K; Higer HP; et al, Eur J Radiol 1989; **9:** 12

bone imaging after cementless press fit total hip arthroplasty, Lette J; Eybalin MC; Roy A; et al, Clin Nucl Med 1989; **14:** 614

bone lysis in well-fixed cemented femoral components, (ab), Maloney WJ; Murali J; Rosenberg A; et al, Radiology 1991; **179:** 591

cemented total hip prosthesis: radiographic and scintigraphic evaluation, Aliabadi P; Tumeh SS; Weissman BN; McNeil BJ, Radiology 1989; **173:** 203

contact pressures from an instrumented hip endoprosthesis, (ab), Hodge WA; Carlson KL; Fijan RS; et al, Radiology 1990; **175:** 592

contrast and nuclear arthrography in loosening of the uncemented hip prosthesis, Swan JS; Braunstein EM; Wellman HN; et al, Skeletal Radiol 1991; **20:** 15

deep vein thrombosis after total hip replacement: a venographic study, Høgevold HE; Høiseth A; Reikerås O, Acta Radiol 1990; **31:** 571

endosteal erosion in association with stable uncemented femoral components, (ab), Maloney WJ; Jasty M; Harris WH; et al, Radiology 1991; **178:** 899

heterotopic bone formation after hip replacement: the influence of the type of osteoarthritis, (ab), Goel A; Sharp DJ, Radiology 1991; **181:** 614

incidence of heterotopic ossification after total hip replacement: effect of the type of fixation of the femoral component, (ab), Maloney WJ; Krushell RJ; Jasty M; et al, Radiology 1991; **181:** 295

influence of hip prostheses on high energy photon dose distributions, Sibata CH; Mota HC; Higgins PD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 455

influence of pelvic position on radiographic measurements of the prosthetic acetabular component: an experimental study on a pelvic model, Thorén B; Sahlstedt B, Acta Radiol 1990; **31:** 133

intraoperative venous dilation and subsequent development of deep vein thrombosis in patients undergoing total hip or knee replacement, Stewart GJ; Lachman JW; Alburger PD; et al, Ultrasound Med Biol 1990; **16:** 133

in vivo isocenter dose in two hip prosthesis patients, Burleson WD; Stutzman CD; Stitt JA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1347

K-edge digital subtraction arthrography of the painful hip prosthesis: a feasibility study, Kelcz F; Peppler WW; Mistretta CA; et al, AJR 1990; **155:** 1053

localised endosteal bone lysis in relation to the femoral components of cemented total hip arthroplasties, (ab), Anthony PP; Gie GA; Howie CR; et al, Radiology 1991; **179:** 591

lymphatic opacification in the prosthetic hip, Bloom RA; Gheorghiu D; Krausz Y, Skeletal Radiol 1991; **20:** 43

phlebographic findings in venous thrombosis following total hip replacement, Kälebo P; Anthmyr B-A; Eriksson BI; et al, Acta Radiol 1990; **31:** 259

plain film and arthrographic findings in painful total hip arthroplasties with surgical correlation, Cain TM; Fon GT; Brumby S; et al, Australas Radiol 1990; **34:** 211

porous-coated anatomic total hip prostheses: radiographic analysis and clinical correlation, Kattapuram SV; Lodwick GS; Chandler H; Khurana JS; Ehara S; Rosenthal DI, Radiology 1990; **174:** 861

postoperative irradiation for the prevention of heterotopic bone: analysis of different dose schedules and shielding considerations, Blount LH; Thomas BJ; Tran L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 577

quantitative analysis of radiophosphate uptakes in asymptomatic porous-coated hip endoprostheses, Rosenthall L; Ghazal ME; Brooks CE, J Nucl Med 1991; **32:** 1391

role of routine percutaneous hip aspirations prior to prosthesis revision, Gould ES; Potter HG; Bober SE, Skeletal Radiol 1990; **19:** 427

three-phase bone scan and indium white blood cell scintigraphy following porous coated hip arthroplasty: a prospective study of the prosthetic tip, Oswald SG; Van Nostrand D; Savory CG; et al, J Nucl Med 1989; **30:** 1321

total hip replacement for patients who have ankylosing spondylitis, (ab), Kilgus DJ; Namba RS; Gorek JE; et al, Radiology 1991; **178:** 591

use of postoperative irradiation for the prevention of heterotopic bone after total hip replacement with biologic fixation (porous coated) prosthesis: an animal model, Konski A; Weiss C; Rosier R; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 861

Hip, radiography
acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875
acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875
comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223
imaging of hip disorders, Brower AC; Kransdorf MJ, Radiol Clin North Am 1990; **28:** 955

Hip, radionuclide studies
acetabulum: a prospective study of three-phase bone and indium white blood cell scintigraphy following porous-coated hip arthroplasty, Oswald SG; Van Nostrand D; Savory CG; et al, J Nucl Med 1990; **31:** 274
bone imaging after cementless press fit total hip arthroplasty, Lette J; Eybalin MC; Roy A; et al, Clin Nucl Med 1989; **14:** 614
cemented total hip prosthesis: radiographic and scintigraphic evaluation, Aliabadi P; Tumeh SS; Weissman BN; McNeil BJ, Radiology 1989; **173:** 203
'cold hip' sign on bone scan: a retrospective review, Uren RF; Howman-Giles R, Clin Nucl Med 1991; **16:** 553
pitfalls of bone scintigraphy in suspected hip fractures, Lewis SL; Rees JIS; Thomas GV; et al, Br J Radiol 1991; **64:** 403
quantitative analysis of radiophosphate uptakes in asymptomatic porous-coated hip endoprostheses, Rosenthall L; Ghazal ME; Brooks CE, J Nucl Med 1991; **32:** 1391
radionuclide bone imaging in the early detection of fractures of the proximal femur (hip): multifactorial analysis, Holder LE; Schwarz C; Wernicke PG; Michael RH, Radiology 1990; **174:** 509
role of bone scintigraphy in predicting femoral head collapse following cervical fractures in children, Mortensson W; Rosenborg M; Gretzer H, Acta Radiol 1990; **31:** 291
three-phase bone scan and indium white blood cell scintigraphy following porous coated hip arthroplasty: a prospective study of the prosthetic tip, Oswald SG; Van Nostrand D; Savory CG; et al, J Nucl Med 1989; **30:** 1321
value of oblique angle reorientation in SPECT bone scintigraphy of the hips, Krasnow AZ; Collier BD; Peck DC; et al, Clin Nucl Med 1990; **15:** 287

Hip, surgery
apparent avascular necrosis of the hip: appearance and spontaneous resolution of MR findings in renal allograft recipients, Kopecky KK; Braunstein EM; Brandt KD; Filo RS; Leapman SB; Capello WN; Klatte EC, Radiology 1991; **179:** 523
aspiration of the hip in patients treated with girdlestone arthroplasty, Swan JS; Braunstein EM; Capello W, AJR 1991; **156:** 545
pulmonary embolism after hip or knee replacement: postoperative changes on pulmonary scintigrams in asymptomatic patients, Foley M; Maslack MM; Rothman RH; Casey MP; Lugano EM; Parry CE; Balderston RA; Booth RE Jr, Radiology 1989; **172:** 481
use of the indomethacin to prevent the formation of heterotopic bone after total hip replacement, (ab), Schmidt SA; Kjaersgaard-Andersen P; Pedersen NW; et al, Radiology 1989; **170:** 588

Hip, therapeutic radiology
influence of hip prostheses on high energy photon dose distributions, Sibata CH; Mota HC; Higgins PD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 455
planning of radiotherapy for patients with hip prosthesis, Erlanson M; Franzén L; Henriksson R; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1093
postoperative irradiation for the prevention of heterotopic bone: analysis of different dose schedules and shielding considerations, Blount LH; Thomas BJ; Tran L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 577

Hip, US
assessment of congenital hip dislocation with real-time ultrasound: a pictoral essay, Boal DKB; Schwentker EP, Clin Imag 1991; **15:** 77
high-resolution hip ultrasound in the limping child, Alexander JE; Seibert JJ; Glasier CM; et al, JCU 1989; **17:** 19
infant hip ultrasound, Scott ST, Clin Radiol 1989; **40:** 551
performing dynamic sonography of the infant hip, Harcke HT; Grissom LE, AJR 1990; **155:** 837
pitfalls in ultrasonography of hip joint synovitis in the child, Egund N; Wingstrand H, Acta Radiol 1989; **30:** 375
sonographically guided arthrocentesis of the hip, Mayekawa DS; Ralls PW; Kerr RM; et al, J Ultrasound Med 1989; **8:** 665
sonography of hip joint in infective arthritis, Shiv VK; Jain AK; Taneja K; et al, J Canad Assoc Radiol 1990; **41:** 76
sonography of the painful hip in children: 500 consecutive cases, Miralles M; Gonzalez G; Pulpeiro JR; et al, AJR 1989; **152:** 579
ultrasonography of the hip in preterm neonates, Bick U; Müller-Leisse C; Tröger J, Pediatr Radiol 1990; **20:** 331
ultrasound appearance of the hip joint in newborns during the first week of life, Sośnierz A; Karel M; Maj S; et al, JCU 1991; **19:** 271
ultrasound of congenital dysplasia of the infant hip, (ab), Boal DKB; Schwentker EP, Radiology 1989; **172:** 888

Hirschsprung disease
See Colon, aganglionosis

Histiocytoma
benign fibrous histiocytoma involving the ends of long bone, Matsuno T, Skeletal Radiol 1990; **19:** 561
case of the month: the jockey with a mass in the thigh, Davies AM; Evans N; Grimer RJ, Br J Radiol 1989; **62:** 183
case report 525, Statz EM; Pochebit SM; Cooper A; et al, Skeletal Radiol 1989; **18:** 299
case report 601, Akai M; Ohno T; Sugano I; et al, Skeletal Radiol 1990; **19:** 154
case report 639, López-Barea F; Rodríguez-Peralto JL; Burgos-Lizalde E; et al, Skeletal Radiol 1991; **20:** 125
case report 656, Gaucher AA; Regent DM; Gillet PM; et al, Skeletal Radiol 1991; **20:** 137
case report: malignant fibrous histiocytoma complicating chronic osteomyelitis, Kennedy C; Stoker DJ, Clin Radiol 1990; **41:** 435
case report: malignant fibrous histiocytoma: etiology for a cold defect on technetium-99m-methylene diphosphonate bone scan, Sanders TG; Wilf LH; Northup HM, J Nucl Med 1990; **31:** 1104
gated magnetic resonance imaging of metastatic intracardiac malignant fibrous histiocytoma, Catton C; Shulman H; Rusthoven J; et al, J Canad Assoc Radiol 1990; **41:** 96
hemorrhage simulating tumor growth in malignant fibrous histiocytoma at MR imaging, Panicek DM; Casper ES; Brennan MF; Hajdu SI; Heelan RT, Radiology 1991; **181:** 398
indium-111-labeled leukocyte and technetium-99m-sulfur colloid uptake by a malignant fibrous histiocytoma: phagocytosis by tumor cells?, Palestro CJ; Klein M; Kim CK; et al, J Nucl Med 1990; **31:** 1548
inflammatory myofibrohistiocytic proliferation simulating sarcoma in children, (ab), Tang TT; Segura AD; Oechler HW; et al, Radiology 1990; **177:** 296
intracranial cystic malignant fibrous histiocytoma in a child: sonographic and CT findings, Castillo M; Davis PC; Takei YD; et al, Pediatr Radiol 1990; **20:** 194
malignant cardiac fibrous histiocytomas and angiosarcomas: MR features, Kim EE; Wallace S; Abello R; et al, JCAT 1989; **13:** 627
malignant fibrous histiocytoma of the lung in a patient with a history of asbestos exposure, Reifsnyder AC; Smith HJ; Mulhollan TJ; et al, AJR 1990; **154:** 65
malignant fibrous histiocytoma of the trachea, (ab), Randleman CD; Unger ER; Mansour KA, Radiology 1991; **179:** 292
MR imaging of cardiac metastases from malignant fibrous histiocytoma, Lee R; Fisher MR, JCAT 1989; **13:** 126
musculoskeletal neoplasms after intraarterial chemotherapy: correlation of MR images with pathologic specimens, Sanchez RB; Quinn SF; Walling A; Estrada J; Greenberg H, Radiology 1990; **174:** 237
orbital fibrous histiocytoma: computed tomography in 10 cases and a review of radiological findings, Jacomb-Hood J; Moseley IF, Clin Radiol 1991; **43:** 117
post-radiation cranial malignant fibrous histiocytoma studied by CT, Romero FJ; Ortega A; Ibarra B; et al, Comput Med Imag Graph 1989; **13:** 191
primary malignant fibrous histiocytoma of a metacarpal bone: a new localization, Dock W; Hajek P; Wittich G; et al, Br J Radiol 1989; **62:** 940
rare case of a primary malignant fibrous histiocytoma of the brain, Schrader B; Holland BR; Friedrichsen C, Neuroradiol 1989; **31:** 177
role of angiography in limb-tumor surgery, Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM, Radiographics 1991; **11:** 1029
soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

Histiocytosis
brain MR in patients with Langerhans cell histiocytosis: findings and enhancement with Gd-DTPA, Rosenfield NS; Abrahams J; Komp D, Pediatr Radiol 1990; **20:** 433
case report 615, Thijn CJP; Martijn A; Postma A; et al, Skeletal Radiol 1990; **19:** 309
case report: small bowel histiocytosis-X, Patel BJ; Chippindale AJ; Gupta SC, Clin Radiol 1991; **44:** 62
cavitating pulmonary nodules in histiocytosis-X: high resolution CT demonstration, Taylor DB; Joske D; Anderson J; et al, Australas Radiol 1990; **34:** 253
chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C, Radiology 1991; **179:** 123
clinical and radiographic response of Langerhans' cell histiocytosis with chemotherapy, Sánchez de Toledo J; Moraga F; Teijeiro AF; et al, Neuroradiol 1990; **31:** 547
coexistent intra- and extracranial mass lesions: an unusual manifestation of histiocytosis X, Caresio JF; McMillan JH; Batnitzky S, AJNR 1991; **12:** 82
CT and MR findings in diffuse cerebral histiocytosis: case report, Ragland RL; Moss DS; Duffis AW; et al, AJNR 1991; **12:** 525
CT features of histiocytic medullary reticulosis, Lee KS; Kim WS; Yang SO; et al, Clin Radiol 1990; **41:** 201
development of pulmonary histiocytosis X after chemotherapy for Hodgkin disease, Shanley DJ; Lerud KS; Luetkehans TJ, AJR 1990; **155:** 741
eosinophilic granuloma of the temporal bone: radiological approach in the pediatric patient, Hadjigeorgi C; Parpounas C; Zarmakoupis P; et al, Pediatr Radiol 1990; **20:** 546
Langerhans cell histiocytosis of hypothalamus and optic chiasm: CT and MR studies, O'Sullivan RM; Sheehan M; Poskitt KJ; et al, JCAT 1991; **15:** 52
orbital sinus histiocytosis: MR appearance, Burton EM; Hickman M; Boulden TF; et al, JCAT 1989; **13:** 696
pediatric case of the day, Fernbach SK, Radiographics 1990; **10:** 513
pulmonary histiocytosis X: comparison of radiographic and CT findings, Moore ADA; Godwin JD; Müller NL; Naidich DP; Hammar SP; Buschman DL; Takasugi JE; de Carvalho CRR, Radiology 1989; **172:** 249

pulmonary histiocytosis X: evaluation with high-resolution CT, Brauner MW; Grenier P; Mouelhi MM; Mompoint D; Lenoir S, Radiology 1989; **172:** 255

radiation therapy in Kimura's disease, Itami J; Arimizu N; Miyoshi T; et al, Acta Oncol 1989; **28:** 511

radiologic features of eosinophilic granuloma of bone, David R; Oria RA; Kumar R; et al, AJR 1989; **153:** 1021

sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman disease), McAlister WH; Herman T; Dehner LP, Pediatr Radiol 1990; **20:** 425

Histoplasmosis

CT evaluation of active adrenal histoplasmosis, Levine E, Urol Radiol 1991; **13:** 103

disseminated CNS histoplasmosis, Desai SP; Bazan C III; Hummell W; et al, AJNR 1991; **12:** 290

esophageal histoplasmosis in a child with immunodeficiency with hyper-IgM, Tu RK; Peters ME; Gourley GR; et al, AJR 1991; **157:** 381

Histoplasma capsulatum infections of the central nervous system: a clinical review, (ab), Wheat LJ; Batteiger BE; Sathapatayavongs B; et al, Radiology 1991; **178:** 591

imaging of pediatric mediastinal histoplasmosis, Kirchner SG; Hernanz-Schulman M; Stein SM; Wright PF; Heller RM, Radiographics 1991; **11:** 365

intramedullary spinal histoplasmosis efficacy of gadolinium enhancement, Bazan C III; New PZ, Neuroradiol 1991; **33:** 190

long-term amphotericin B therapy for disseminated histoplasmosis in patients with the acquired immunodeficiency syndrome (AIDS), (ab), McKinsey DS; Gupta MR; Riddler SA; et al, Radiology 1990; **175:** 591

mediastinal fibrosis complicating histoplasmosis, (ab), Loyd JE; Tillman BF; Atkinson JB; et al, Radiology 1989; **171:** 587

mediastinal histoplasmosis granuloma: evaluation with CT, Landay MJ; Rollins NK, Radiology 1989; **172:** 657

rounded atelectasis caused by histoplasmosis, Stancato-Pasik A; Mendelson DS; Marom Z, AJR 1990; **155:** 275

sarcoidlike manifestations of histoplasmosis, (ab), Wheat LJ; French MLV; Wass JL, Radiology 1990; **175:** 592

Hodgkin disease

See also Lymphoma

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

breast carcinoma in young women previously treated for Hodgkin disease, Cook KL; Adler DD; Lichter AS; et al, AJR 1990; **155:** 39

Burkitt's lymphoma in a patient previously treated for Hodgkin's disease, Robinson ACR; Khoury GG; Carney D, Br J Radiol 1989; **62:** 1089

characterization of splenic structure in Hodgkin disease by using narrow-band filtration of backscattered ultrasound, Friedman PA; Sommer FG; Chen H-S; et al, AJR 1989; **152:** 1197

CNS non-Hodgkin lymphoma in a patient previously treated for systemic Hodgkin disease, Angeid-Backman E; Quint DJ, AJNR 1990; **11:** 1254

contextual diagnosis of Hodgkin's disease and non-Hodgkin's lymphoma, Osborne BM, Radiol Clin North Am 1990; **28:** 669

controversy in the MR imaging appearance of fibrosis, Lee JKT; Glazer HS, Radiology 1990; **177:** 21

diagnostic imaging of abdominal and pelvic lymph nodes in lymphoma, Jing B-S, Radiol Clin North Am 1990; **28:** 801

Ga-67 SPECT before and after treatment of lymphoma, Front D; Israel O; Epelbaum R; Haim SB; Sapir EE; Jerushalmi J; Kolodny GM; Robinson E, Radiology 1990; **175:** 515

gallium imaging in a case of Hodgkin's disease with involvement of the liver, Makhija M; Rebarber I; Sharon D, Clin Nucl Med 1989; **14:** 926

gastric visualization by Ga-67 scintigraphy and coarse gastric mucosa in a patient with Hodgkin's disease in remission, Hardoff R; Quitt M; Agahai E, Clin Nucl Med 1991; **16:** 124

Hodgkin's disease in association with acquired immunodeficiency syndrome (AIDS): a report on 36 patients, Tirelli U; Vaccher E; Rezza G; et al, Acta Oncol 1989; **28:** 637

infection after splenectomy for Hodgkin's disease, Abrahamsen AF; Borge L; Holte H, Acta Oncol 1990; **29:** 167

lymphographic accuracy in Hodgkin's disease and malignant lymphoma with a note on the "reactive" lymph node as a cause of most false-positive lymphograms, Castellino RA; Billingham M; Dorfman RF, Invest Radiol 1990; **25:** 412

lymphoma in the immunocompromised patient, Haskal ZJ; Lindan CE; Goodman PC, Radiol Clin North Am 1990; **28:** 885

lymphoma of the breast, Paulus DD, Radiol Clin North Am 1990; **28:** 833

lymphoma of the genitourinary tract, Charnsangavej C, Radiol Clin North Am 1990; **28:** 865

lymphoma of the solid abdominal viscera, Shirkhoda A; Ros PR; Farah J; et al, Radiol Clin North Am 1990; **28:** 785

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

malignant lymphoma: bone marrow imaging versus biopsy, Linden A; Zankovich R; Theissen P; Diehl V; Schicha H, Radiology 1989; **173:** 335

open lung biopsy in patients with Hodgkin's disease and pulmonary infiltrates, (ab), Catterall JJ; McCabe RE; Brooks RG; et al, Radiology 1989; **173:** 591

pulmonary neoplastic and lymphoproliferative disease in AIDS: a review, Heitzman ER, Radiology 1990; **177:** 347

radioimmunodetection of degranulated human eosinophils in mice: a potential model for imaging Hodgkin's disease and other pathologic conditions, Samoszuk MK; Fang M; Anderson A-LJ, J Nucl Med 1991; **32:** 89

radiologic concepts of lymphoma of bone, Edeiken-Monroe B; Edeiken J; Kim EE, Radiol Clin North Am 1990; **28:** 841

role of restaging laparotomy in Hodgkin's disease, Biagini C; Enrici RM; Anselmo AP; et al, Acta Oncol 1989; **28:** 659

significance of necrotic mediastinal lymph nodes on CT in patients with newly diagnosed Hodgkin disease, Hopper KD; Diehl LF; Cole BA; et al, AJR 1990; **155:** 267

thoracic irradiation in Hodgkin's disease: disease control and long-term complications, Tarbell NJ; Thompson L; Mauch P, Int J Radiat Oncol Biol Phys 1990; **18:** 275

thymic involvement in Hodgkin disease: CT and sonographic findings, Wernecke K; Vassallo P; Rutsch F; Peters PE; Potter R, Radiology 1991; **181:** 375

treated thorax, Jochelson MS, Radiol Clin North Am 1990; **28:** 763

Hodgkin disease, diagnosis

expert system–controlled image display, Swett HA; Fisher PR; Cohn AI; Miller PL; Mutalik PG, Radiology 1989; **172:** 487

fine needle aspiration biopsy in lymphoma, Carrasco CH; Richli WR; Lawrence D; et al, Radiol Clin North Am 1990; **28:** 879

Hodgkin disease, in infants and children

dynamic probabilistic model for determination of optimal timing of surveillance chest radiography in pediatric Hodgkin disease, Chang PJ; Parker BR; Donaldson SS; Thompson EI, Radiology 1989; **173:** 71

pediatric Hodgkin's disease: pulmonary, cardiac, and thyroid function following combined modality therapy, Mefferd JM; Donaldson SS; Link MP, Int J Radiat Oncol Biol Phys 1989; **16:** 679

sonographic abnormalities of the thyroid gland in longterm survivors of Hodgkin disease, Soberman N; Leonidas JC; Cherrick I; et al, Pediatr Radiol 1991; **21:** 250

staging laparotomy for Hodgkin's disease in children, (ab), Schneeberger AL; Girvan DP, Radiology 1989; **171:** 295

staging of Hodgkin disease in children: comparison of CT and lymphography with laparotomy, Baker LL; Parker BR; Donaldson SS; et al, AJR 1990; **154:** 1251

thyroid gland: US in patients with Hodgkin disease treated with radiation therapy in childhood, Stewart RR; David CL; Eftekhari F; Ried HL; Fuller LM; Fornage BD, Radiology 1989; **172:** 159

Hodgkin disease, staging

magnetic resonance imaging in the initial staging of Hodgkin's disease and non-Hodgkin lymphoma, Tesoro-Tess JD; Balzarini L; Ceglia E; et al, Eur J Radiol 1991; **12:** 81

staging laparotomy for Hodgkin's disease in children, (ab), Schneeberger AL; Girvan DP, Radiology 1989; **171:** 295

staging of Hodgkin disease in children: comparison of CT and lymphography with laparotomy, Baker LL; Parker BR; Donaldson SS; et al, AJR 1990; **154:** 1251

Hodgkin disease, therapeutic radiology

curative radiotherapy for laparotomy-staged IA, IIA, IIIA Hodgkin's disease: an evaluation of the gains achieved with radical radiotherapy, Lee CKK; Aeppli DM; Bloomfield CD; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 547

digital subtraction angiography (IV DSA) in treatment planning of subdiaphragmatic Hodgkin's disease, Pötter R; Sciuk J; Haverkamp U, Int J Radiat Oncol Biol Phys 1989; **17:** 389

gonadal status and reproductive function following treatment for Hodgkin's disease in childhood: the Stanford experience, Ortin TTS; Shostak CA; Donaldson SS, Int J Radiat Oncol Biol Phys 1990; **19:** 873

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

hyperthyroidism with low radioiodine uptake after head and neck irradiation for Hodgkin's disease, Petersen M; Keeling CA; McDougall IR, J Nucl Med 1989; **30:** 255

improved survival in advanced Hodgkin's disease with the use of combined modality therapy, Brizel DM; Winer EP; Prosnitz LR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 535

influence of clinical trials on current treatment strategy for Hodgkin's disease, Bonadonna G; Valagussa P, Int J Radiat Oncol Biol Phys 1990; **19:** 209

is pelvic irradiation necessary in stage III_1A Hodgkin's disease?, Hartsell WF; Farah R; Murthy AK; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 715

local hyperthermia and radiation therapy in the retreatment of superficially located recurrences in Hodgkin's disease, Petersen IA; Kapp DS, Int J Radiat Oncol Biol Phys 1990; **18:** 603

localization errors in mantle-field irradiation for Hodgkin's disease, Hulshof M; Vanuytsel L; Van den Bogaert W; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 679

management of subdiaphragmatic early-stage Hodgkin's disease, Frassica DA; Schomberg PJ; Banks PM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1459

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

mediastinal irradiation in combined modality therapy for Hodgkin's disease, Dowling SW; Peschel RE; Portlock CS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 543

MR imaging of treated mediastinal Hodgkin disease, Webb WR, Radiology 1989; **170:** 315

prevention of hypothyroidism related to mantle irradiation for Hodgkin's disease: preparative phantom study, Marcial-Vega VA; Order SE; Lastner G; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 613

radiation therapy for pathologic stage III Hodgkin's disease with and without chemotherapy, Farah R; Golomb HM; Hallahan DE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 761

residual mediastinal masses in Hodgkin disease: prediction of size with MR imaging, Nyman RS; Rehn SM; Glimelius BLG; Hagberg HE; Hemmingsson AL; Sundström CJ, Radiology 1989; **170:** 435

response of mediastinal Hodgkin's disease to radiotherapy: rate of tumor regression not predictive of outcome, Russell KJ; Hoppe RT, Int J Radiat Oncol Biol Phys 1989; **16:** 201

spontaneous pneumothorax in patients irradiated for Hodgkin's disease and other malignent lymphomas, Pezner RD; Horak DA; Sayegh HO; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 193

three-dimensional photon treatment planning for Hodgkin's disease, Brown AP; Urie MM; Barest G; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 205

total lymphoid irradiation, high-dose chemotherapy and autologous bone marrow transplantation for chemotherapy-resistant Hodgkin's disease, Yahalom J; Gulati S; Shank B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 915

Hodgkin disease, therapy

causes of death after therapy for early stage Hodgkin's disease entered on EORTC protocols, Henry-Amar M; Hayat M; Meerwaldt JH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1155

development of pulmonary histiocytosis X after chemotherapy for Hodgkin disease, Shanley DJ; Lerud KS; Luetkehans TJ, AJR 1990; **155:** 741

improved survival in advanced Hodgkin's disease with the use of combined modality therapy, Brizel DM; Winer EP; Prosnitz LR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 535

influence of clinical trials on current treatment strategy for Hodgkin's disease, Bonadonna G; Valagussa P, Int J Radiat Oncol Biol Phys 1990; **19:** 209

marrow repopulation after bone marrow transplantation, Smith SR; Roberts N; Edwards RHT, Radiology 1991; **178:** 581

mediastinal irradiation in combined modality therapy for Hodgkin's disease, Dowling SW; Peschel RE; Portlock CS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 543

methyl-GAG, ifosfamide, methotrexate and etoposide (MIME) as salvage therapy for Hodgkin's disease and non-Hodgkin's lymphoma, Enblad G; Glimelius B; Hagberg H; et al, Acta Oncol 1990; **29:** 297

pediatric Hodgkin's disease: pulmonary, cardiac, and thyroid function following combined modality therapy, Mefferd JM; Donaldson SS; Link MP, Int J Radiat Oncol Biol Phys 1989; **16:** 679

polyclonal ^{90}yttrium labeled antiferritin for refractory Hodgkin's disease, Vriesendorp HM; Herpst JM; Leichner PK; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 815

radiation therapy for pathologic stage III Hodgkin's disease with and without chemotherapy, Farah R; Golomb HM; Hallahan DE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 761

repopulation of marrow after transplantation: MR imaging with pathologic correlation, Stevens SK; Moore SG; Amylon MD, Radiology 1990; **175:** 213

total lymphoid irradiation, high-dose chemotherapy and autologous bone marrow transplantation for chemotherapy-resistant Hodgkin's disease, Yahalom J; Gulati S; Shank B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 915

Holoprosencephaly

congenital central nervous system anomalies, Poe LB; Coleman LL; Mahmud F, Radiographics 1989; **9:** 801

holoprosencephaly (a case report), Anand R; Mahazan H; Khurana R; et al, Australas Radiol 1990; **34:** 122

semilobar holoprosencephaly with associated Arnold–Chiari variant, Britton CA, JCU 1989; **17:** 374

sonography of facial features of alobar and semilobar holoprosencephaly, McGahan JP; Nyberg DA; Mack LA, AJR 1990; **154:** 143

Hormone receptors

20-[^{18}F]fluoromibolerone, a positron-emitting radiotracer for androgen receptors: synthesis and tissue distribution studies, Liu A; Katzenellenbogen JA; VanBrocklin HF; et al, J Nucl Med 1991; **32:** 81

assessment of 21-[^{18}F]fluoro-16α-ethyl-19-norprogesterone as a positron-emitting radiopharmaceutical for the detection of progestin receptors in human breast carcinomas, Dehdashti F; McGuire AH; Van Brocklin HF; et al, J Nucl Med 1991; **32:** 1532

association of estrogen receptors with parenchymal pattern at mammography, Ciatto S; Cecchini S; Iossa A; Grazzini G; Messeri G; Valenti L; Nunzi G; Bartolucci R; Di Costanzo F, Radiology 1989; **170:** 695

biodistribution, with high uptake by the reproductive tract, of an intraperitoneally infused radiohalogenated steroidal estrogen-receptor ligand, Holt JA; Artwohl JE; Mercer LJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 567

comparison of the distribution of bromine-77-bromovinyl steroidal and triphenylethylene estrogens in the immature rat, DeSombre ER; Hughes A; Mease RC; et al, J Nucl Med 1990; **31:** 1534

effect of methylene blue on estrogen-receptor activity, Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III, Radiology 1989; **171:** 105

endocrine therapy of breast cancer: a background, Nordenskjöld B, Acta Oncol 1990; **29:** 367

enzyme immunoassay of progesterone receptor in breast cancer biopsy samples: a comparison with the dextran coated charcoal method, Fernö M; Borg Å; Johansson U, Acta Oncol 1989; **28:** 19

estrogen and progesterone receptor analyses in more than 4000 human breast cancer samples: a study with special reference to age at diagnosis and stability of analyses, Fernö M; Borg Å; Johansson U; et al, Acta Oncol 1990; **29:** 129

estrogen receptor enzyme immunoassay in fine-needle aspirates from human breast cancer, Borg Å; Fernö M; Idvall I, Acta Oncol 1989; **28:** 187

how to improve endocrine therapy of breast cancer, Kvinnsland S, Acta Oncol 1990; **29:** 387

new endocrine drugs for treatment of advanced breast cancer, Lønning PE, Acta Oncol 1990; **29:** 379

nitrosoureas: modes of action and perspectives in the use of hormone receptor affine carrier molecules, Eisenbrand G; Berger MR; Brix HP; et al, Acta Oncol 1989; **28:** 203

noninterference of isosulfan blue on estrogen-receptor activity, Hirsch JI; Banks WL Jr; Sullivan JS; Horsley JS III, Radiology 1989; **171:** 109

oestrogen and progestin receptors as prognostic indicators in endometrial cancer: a review of the literature, Kauppila A, Acta Oncol 1989; **28:** 561

predictive value of progesterone receptor levels in endometrial cancer, Ingram SS; Rosenman J; Heath R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 21

significance of hormone receptors to predict the endocrine responsiveness of human breast cancer, Rutqvist LE, Acta Oncol 1990; **29:** 371

steroid receptor levels in breast cancer: relationships with age and menopausal status, Wilking N; Rutqvist LE; Nordenskjöld B; et al, Acta Oncol 1989; **28:** 807

synthesis of 11β-methoxy-[16α-^{123}I] iodoestradiol and its interaction with the estrogen receptor in vivo and in vitro, Zielinski JE; Larner JM; Hoffer PB; et al, J Nucl Med 1989; **30:** 209

Hormones

adjuvant treatment with high dose medroxyprogesterone acetate in node-negative early breast cancer: a 3-year interim report on a randomized trial (I), Focan C; Baudoux A; Beauduin M; et al, Acta Oncol 1989; **28:** 237

asymmetric gallbladder contraction following cholecystokinin hepatobiliary imaging, Atkins HL; Oster ZH, Clin Nucl Med 1989; **14:** 82

case report: cerebral venous thrombosis in association with hormonal supplement therapy, Knox AM; Brophy BP; Sage MR, Clin Radiol 1990; **41:** 355

chemoprevention of breast cancer, Powles TJ; Davey J; McKinna A, Acta Oncol 1989; **28:** 865

cholecystokinin cholescintigraphy: detection of abnormal gallbladder motor function in patients with chronic acalculous gallbladder disease, Fink-Bennett D; DeRidder P; Kolozsi WZ; et al, J Nucl Med 1991; **32:** 1695

cholecystokinin enhanced hepatobiliary scanning with ejection fraction calculation as an indicator of disease of the gallbladder, (ab), Zech ER; Simmons LB; Kendrick RR; et al, Radiology 1991; **180:** 588

cholecystokinin sonography: lack of utility in diagnosis of acute acalculous cholecystitis, Raduns K; McGahan JP; Beal S, Radiology 1990; **175:** 463

comparison of the distribution of bromine-77-bromovinyl steroidal and triphenylethylene estrogens in the immature rat, DeSombre ER; Hughes A; Mease RC; et al, J Nucl Med 1990; **31:** 1534

delayed biliary-to-bowel transit in chilescintigraphy after cholecystokinin treatment, Kim CK; Palestro CJ; Solomon RW; Molinari DS; Lee SO; Goldsmith SJ, Radiology 1990; **176:** 553

effect of somatostatin analogue (octreotide) on blood flow to endocrine tumors metastatic to the liver: angiographic evaluation, Cho KJ; Vinik AI, Radiology 1990; **177:** 549

endometrial thickness after menopause: effect of hormone replacement, Lin MC; Gosink BB; Wolf SI; Feldesman MR; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 427

estrogen use and radiographic osteoarthritis of the knee in women: the Framingham Osteoarthritis Study, (ab), Hannan MT; Felson DT; Anderson JJ; et al, Radiology 1990; **177:** 294

expression of peptide hormones in normal cells and tumour cells, Rehfeld JF; Bardram L; Blanke S; et al, Acta Oncol 1991; **30:** 429

external radiation of growth hormone producing pituitary adenomas: prolactin as a marker of hypothalamic and pituitary effects, af Trampe E; Lundell G; Lax I; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 655

gastrinomas: localization by means of selective intraarterial injection of secretin, Doppman JL; Miller DL; Chang R; Maton PN; London JF; Gardner JD; Jensen RT; Norton JA, Radiology 1990; **174:** 25

hormonal cytoreduction in locally advanced carcinoma of the prostate treated with definitive radiotherapy: preliminary results of RTOG 83-07, Pilepich MV; Krall JM; John MJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 813

hormonal replacement therapy: mammographic manifestations, Berkowitz JE; Gatewood OMB; Goldblum LE; Gayler BW, Radiology 1990; **174:** 199

hormone replacement therapy and the risk of endometrial cancer: a summary, Persson I, Acta Oncol 1989; **28:** 583

hormones are ambiguous risk factors for breast cancer, Bulbrook RD; Thomas BS, Acta Oncol 1989; **28:** 841

idiopathic growth hormone deficiency: MR findings in 35 patients, Abrahams JJ; Trefelner E; Boulware SD, AJNR 1991; **12:** 155

idiopathic growth hormone deficiency: MR findings in 35 patients, Abrahams JJ; Trefelner E; Boulware SD, AJR 1991; **156:** 599

in situ hybridization for detection of hormone and peptide mRNA in carcinoid tumors, Funa K, Acta Oncol 1991; **30:** 457

interventional cholescintigraphy: when and with which agent?, Podoloff DA, Radiology 1990; **176:** 317

intraarterial secretin injection for gastrinoma localization, Williams DM, Radiology 1990; **174:** 9

in vitro and in vivo detection of somatostatin receptors in human malignant tissues, Reubi JC; Kvols L; Krenning E; et al, Acta Oncol 1991; **30:** 463

in vivo use of a radioiodinated somatostatin analogue: dynamics, metabolism, and binding to somatostatin receptor-positive tumors in man, Bakker WH; Krenning EP; Breeman WA; et al, J Nucl Med 1991; **32:** 1184

islet amyloid polypeptide (IAPP): a short review, Stridsberg M; Wilander E, Acta Oncol 1991; **30:** 451

limited hormonal responsiveness of ectopic endometrium: histologic correlation with intrauterine endometrium, (ab), Metzger DA; Olive DL; Haney AF, Radiology 1989; **172:** 292

magnetic resonance imaging of estrogen-induced pituitary hypertrophy in rats, van Nesselrooij JHJ; Szeverenyi NM; Ruocco MJ, Magn Res Med 1989; **11:** 161

mammographic changes associated with postmenopausal hormone replacement therapy: a longitudinal study, Stomper PC; Van Voorhis BJ; Ravnikar VA; Meyer JE, Radiology 1990; **174:** 487

mammographic parenchymal patterns of women on hormonal replacement therapy, Kaufman Z; Garstin WIH; Hayes R; et al, Clin Radiol 1991; **43:** 389

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

neuroendocrine system of the gut, Sundler F; Böttcher G; Ekblad E; et al, Acta Oncol 1989; **28:** 303

neuroendocrine system of the gut—an update, Sundler F; Ekblad E; Håkanson R, Acta Oncol 1991; **30:** 419

oblique NMR imaging of the uterus in macaques: uterine response to estrogen stimulation, Waterton JC; Miller D; Dukes M; et al, Magn Res Med 1991; **20:** 228

oral high-dose progestins as treatment for advanced breast cancer, Lundgren S; Kvinnsland S; Utaaker E, Acta Oncol 1989; **28:** 811

pancreastatin—a novel regulatory peptide?, Schmidt WE; Creutzfeldt W, Acta Oncol 1991; **30:** 441

peptide hormone expression and precursor processing, Rehfeld JF; Bardram L; Cantor P; et al, Acta Oncol 1989; **28:** 315

peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors, Eriksson B; Öberg K, Acta Oncol 1991; **30:** 477

percutaneous aspiration for hormone levels in the diagnosis of functioning endocrine tumors, Doppman JL, Cardiovasc Intervent Radiol 1991; **14:** 73

petrosal sinus sampling: discordant lateralization of ACTH-secreting pituitary microadenomas before and after stimulation with corticotropin-releasing hormone, Miller DL; Doppman JL; Nieman LK; Cutler GB Jr; Chrousos G; Loriaux DL; Oldfield EH, Radiology 1990; **176:** 429

petrosal sinus sampling: technique and rationale, Miller DL; Doppman JL, Radiology 1991; **178:** 37

plasma estrone and estrone sulphate in breast cancer patients treated with the aromatase inhibitor CGS 16949A, Klepp R; Lønning PE; Kvinnsland S, Acta Oncol 1990; **29:** 469

prevalence of simple adnexal cysts in postmenopausal women, Wolf SI; Gosink BB; Feldesman MR; Lin MC; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 65

radiotherapy vs. hormonal therapy for the management of locally recurrent prostate cancer following radical prostatectomy, Anscher MS; Prosnitz LR, Int J Radiat Oncol Biol Phys 1989; **17:** 953

regulation of human breast cancer by secreted growth factors, Cullen KJ; Yee D; Bates SE; et al, Acta Oncol 1989; **28:** 835

regulatory peptides as tumour markers, Theodorsson E, Acta Oncol 1989; **28:** 319

scintigraphic evaluation of secondary myelofibrosis associated with prostatic cancer before and after hormone therapy, Ishimura J; Fukuchi M, Clin Nucl Med 1990; **15:** 330

second line hormonal therapy with aminoglutethimide in metastatic breast cancer, Brufman G; Biran S, Acta Oncol 1990; **29:** 717

sex hormone status and osteoporosis in postmenopausal women with rheumatoid arthritis, (ab), Sambrook PN; Eisman JA; Champion GD, Radiology 1989; **171:** 294

simultaneous measurement of gallbaldder emptying with cholescintigraphy and US during infusion of physiologic doses of cholecystokinin: a comparison, Masclee AAM; Hopman WPM; Corstens FHM; Rosenbusch G; Jansen JBMJ; Lamers CBHW, Radiology 1989; **173:** 407

slipped capital femoral epiphysis during treatment with recombinant growth hormone for isolated partial growth hormone deficiency, (ab), Prasad V; Greig F; Bastian W; et al, Radiology 1991; **180:** 296

US monitoring of endometrial thickness in estrogen replacement therapy, Currie JL, Radiology 1991; **180:** 306

Hormones, ectopic

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

management of the ectopic ACTH syndrome due to thoracic carcinoids, (ab), Pass HI; Doppman JL; Nieman L; et al, Radiology 1991; **179:** 292

Horner syndrome

aneurysms involving the intrapetrous internal carotid artery: a rare cause of Horner's syndrome, Rawlinson J; Colquhoun IR, Br J Radiol 1990; **63:** 69

painful Horner syndrome associated with occlusion of the extracranial internal carotid artery: MR imaging, Stern MJ; Patel M; Davis J; et al, JCAT 1989; **13:** 918

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Humerus

case report 521, De Smet AA; Inscore D; Neff JR, Skeletal Radiol 1989; **18:** 60

case report 544, Resnik CS; Young JWR; Levine AM; et al, Skeletal Radiol 1989; **18:** 303

radiological assessment of humeral head retroversion: description of a new method, Söderlund V; Kronberg M; Broström L-A, Acta Radiol 1989; **30:** 501

Humerus, fractures

fractures of the proximal humerus involving the intertubercular groove, Ahovuo J; Paavolainen P; Björkenheim J-M, Acta Radiol 1989; **30:** 373

isolated avulsion fracture of the lesser tuberosity of the humerus, Earwaker J, Skeletal Radiol 1990; **19:** 121

isolated avulsion fracture of the lesser tuberosity of the humerus: report of two cases, Ross GJ; Love MB, Radiology 1989; **172:** 833

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

Neer classification of displaced proximal humeral fractures: spectrum of findings on plain radiographs and CT scans, Kilcoyne RF; Shuman WP; Matsen FA III; et al, AJR 1990; **154:** 1029

Hurler syndrome

MR imaging of cavitary lesions in the brain with Hurler/Scheie, Rauch RA; Friloux LA III; Lott IT, AJNR 1989; **10:** S1

Hyaline membrane disease

See Respiratory distress syndrome

Hydatid disease

See Echinococcosis

Hydatidiform mole

See Uterus, hydatidiform mole

Hydrocephalus

See Brain, hydrocephalus

Hydronephrosis

antenatal diagnosis of pelvic hydronephrosis: assessment of renal function and drainage as a guide to management, Gordon I; Dhillon HK; Gatanash H; et al, J Nucl Med 1991; **32:** 1649

caliceal outpouching: diagnosis by technetium-99m DTPA and DMSA renal scintigraphy, Brassard A; Danais S; Lavigne JF; et al, Clin Nucl Med 1989; **14:** 456

case report: duodenal obstruction due to hydrocalycosis, Glover JR; Kellett MJ, Clin Radiol 1991; **43:** 414

case report: unilateral hydronephrosis following obstruction of the inferior vena cava by tumour thrombus, Ashleigh RJ; Sambrook P, Clin Radiol 1991; **44:** 130

flank mass in a newborn, Kountz PD; Siegel MJ; Shapiro E, Urol Radiol 1989; **11:** 61

grade I hydronephrosis: pulsed Doppler US evaluation, Scola FH; Cronan JJ; Scheppa B, Radiology 1989; **171:** 519

hydronephrosis caused by ureteric obstruction in chronic granulomatous disease: successful treatment by percutaneous nephrostomy and antibiotic therapy, (ab), Korman SH; Lebensart P; Shvil Y, Radiology 1991; **180:** 296

importance of prenatal detection of hydronephrosis of the upper pole, Winters WD; Lebowitz RL, AJR 1990; **155:** 125

intermittent hydronephrosis: a diagnostic challenge, (ab), Homsy YL; Mehta PH; Huot D; et al, Radiology 1989; **172:** 295

intermittent hydronephrosis as a cause of a false-negative pressure-flow study, Horstman WG; Darcy MD, Cardiovasc Intervent Radiol 1991; **14:** 185

management of acute hydronephrosis of pregnancy by ureteral stenting: risk of stone formation, (ab), Goldfarb RA; Neerhut GJ; Lederer E, Radiology 1989; **173:** 588

neonatal hydronephrosis due to primary vesicoureteral reflux: trends in diagnosis and treatment, Paltiel HJ; Lebowitz RL, Radiology 1989; **170:** 787

obstruction and the minimally dilated renal collecting system: US evaluation, Kamholtz RG; Cronan JJ; Dorfman GS, Radiology 1989; **170:** 51

obstructive nephropathy: evaluation with dynamic Gd-DTPA–enhanced MR imaging, Semelka RC; Hricak H; Tomei E; Floth A; Stoller M, Radiology 1990; **175:** 797

prenatal evolution of a nonfunctioning kidney in the setting of obstructive hydronephrosis, Benacerraf BR; Peters CA; Mandell J, JCU 1991; **19:** 446

structural genitourinary defects detected in utero, Mandell J; Blyth BR; Peters CA; Retik AB; Estroff JA; Benacerraf BR, Radiology 1991; **178:** 193

transcaval ureter with hydronephrosis: radiologic demonstration, Rosen MP; Walker TG; Brennan JF; et al, AJR 1989; **152:** 793

transitional hydronephrosis of the newborn and infant, (ab), Homsy YL; Saad F; Laberge I; et al, Radiology 1991; **178:** 591

Hydrops fetalis

enteric cyst as a cause of nonimmune hydrops fetalis: fetal thoracentesis with fluid analysis, Franzek DA; Strayer SA; Hull MT; et al, JCU 1989; **17:** 275

nonimmune hydrops fetalis: a heterogeneous disorder and therapeutic challenge, Samuels P; Ludmir J, Semin Roentgenol 1990; **25:** 353

Hydrothorax

external accumulation of radionuclide in hepatic hydrothorax, Albin RJ; Johnston GS, Clin Nucl Med 1989; **14:** 341

hepatic hydrothorax demonstrated on bone imaging, Chu Y-K; Liu R-S; Yeh S-H, Clin Nucl Med 1990; **15:** 131

pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax, Hernanz-Schulman M; Stein SM; Neblett WW; Atkinson JB; Kirchner SG; Heller RM; Merrill WH; Fleischer AC, Radiology 1991; **180:** 817

sonographic evidence of fetal hydrothorax after in-utero death of monozygotic twin, Yancey MK; Brady K; Read JA; et al, JCU 1991; **19:** 162

Hydroxyapatite

calcium hydroxyapatite deposition disease, Hayes CW; Conway WF, Radiographics 1990; **10:** 1031

hydroxyapatite pseudopodagra: a syndrome of young women, (ab), Fam AG; Rubenstein J, Radiology 1990; **174:** 589

Hygroma, cystic

fetal cephaloceles: diagnosis with US, Goldstein RB; LaPidus AS; Filly RA, Radiology 1991; **180:** 803

hemorrhaged cystic hygroma and facial nerve paralysis: CT and MR findings, Som PM; Lidov M; Lawson W, JCAT 1990; **14:** 668

late-onset cystic hygromas: the role of CT, Woods D; Young JEM; Filice R; et al, J Canad Assoc Radiol 1989; **40:** 159

lymphoscintigraphy for cystic hygroma, Boxen I; Zhang ZM; Filler RM, J Nucl Med 1990; **31:** 516

MR characteristics of subdural hematomas and hygromas at 1.5 T, Fobben ES; Grossman RI; Atlas SW; et al, AJNR 1989; **10:** 687

normal sonographic appearance of the fetal neck late in the first trimester: the pseudomembrane, Hertzberg BS; Bowie JD; Carroll BS; Killam AP; Ruiz P, Radiology 1989; **171:** 427

prenatal sonographic features of Noonan's syndrome, Benacerraf BR; Greene MF; Holmes LB, J Ultrasound Med 1989; **8:** 59

regression of nuchal cystic hygroma in utero, Macken MB; Grantmyre EB; Vincer MJ, J Ultrasound Med 1989; **8:** 101

Hyperostosis

case of the month: the misleading pre-operative chest radiograph, Ipinyomi J; Watt I, Br J Radiol 1989; **62:** 279

case report 546, Irie T; Takahashi M; Kaneko M, Skeletal Radiol 1989; **18:** 310

case report: thoracic spinal cord compression caused by diffuse idiopathic skeletal hyperostosis (DISH), Wilson FMA; Jaspan T, Clin Radiol 1990; **42:** 133

computed tomographic appearances of sternocostoclavicular hyperostosis, Chigira M; Shimizu T, Skeletal Radiol 1989; **18:** 347

diffuse idiopathic skeletal hyperostosis: diagnostic significance of radiographic abnormalities of the pelvis, Haller J; Resnick D; Miller CW; Schils JP; Kerr R; Bielecki D; Sartoris DJ; Gundry CR, Radiology 1989; **172:** 835

diffuse skeletal hyperostosis in idiopathic hypoparathyroidism, Lambert RGW; Becker EJ, Clin Radiol 1989; **40:** 212

idiopathic periosteal hyperostosis with dysproteinemia-Goldbloom's syndrome, Gerscovich EO; Greenspan A; Lehman WB, Pediatr Radiol 1990; **20:** 208

inflammatory metachronous hyperostosis of the clavicle and femur in children: report of two cases, one with long-term follow-up, Eftekhari F; Jaffe N; Schwegel D; et al, Skeletal Radiol 1989; **18:** 9

MR appearance of sternal hyperostosis, Bechtold RE; Karstaedt N; Wolfman NT, JCAT 1990; **14:** 136

spinal hyperostosis in comparative pathology: a useful approach to the concept, Lagier R, Skeletal Radiol 1989; **18:** 99

Hyperoxaluria

bone disease of primary hyperoxaluria in infancy, Ring E; Wendler H; Ratschek M; et al, Pediatr Radiol 1989; **20:** 131

Hyperparathyroidism

See Parathyroid, hyperparathyroidism

Hypertension

computed tomography of hepatic venous hypertension: the reticulated-mosaic pattern, Mauro MA; Stackhouse DJ; Parker LA; et al, Gastrointest Radiol 1990; **15:** 35

illustrative case: enough to raise one's blood pressure, Herbetko J; Batty V; Millar JGB, Br J Radiol 1989; **62:** 1026

neurologic complications of captopril treatment of neonatal hypertension, (ab), Perlman JM; Volpe JJ, Radiology 1989; **172:** 887

scintigraphic studies in adrenal hypertension, Gross MD; Shapiro B, Semin Nucl Med 1989; **19:** 122

Hypertension, portal

case report: portal hypertension secondary to sigmoid colon arteriovenous malformation, Manns RA; Vickers CR; Chesner IM; et al, Clin Radiol 1990; **42:** 203

case report: portal hypertension with a large spontaneous spleno-renal shunt in the absence of splenomegaly, Rees JIS; Whyte AM, Clin Radiol 1989; **40:** 431

color-coded Doppler evaluation of cholecystic varices in portal hypertension, Kainberger FM; Vergesslich KA; Eilenberger M; et al, Pediatr Radiol 1990; **21:** 71

comparison between ultrasonographic signs and the degree of portal hypertension in patients with cirrhosis, Vilgrain V; Lebrec D; Menu Y; et al, Gastrointest Radiol 1990; **15:** 218

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

effects of a meal on normal and hypertensive portal venous system: a quantitative ultrasonographic assessment, Goyal AK; Pokharna DS; Sharma SK, Gastrointest Radiol 1989; **14:** 164

epigastric vein visualization on liver scan in severe bilharzial portal hypertension, Elgazzar AH; Sahweil A; Abdel-Dayem HM; et al, Clin Nucl Med 1990; **15:** 55

gallbladder wall thickening (congestive cholecystopathy) in chronic liver disease: a sign of portal hypertension, Saverymuttu SH; Grammatopoulos A; Meanock CI; et al, Br J Radiol 1990; **63:** 922

Gamna-Gandy bodies of the spleen: evaluation with MR imaging, Sagoh T; Itoh K; Togashi K; Shibata T; Nishimura K; Minami S; Asato R; Noma S; Fujisawa I; Yamashita K; Nakano Y; Konishi J, Radiology 1989; **172:** 685

general case of the day, Cordeau M-P; Prosmanne O; Robillard P, Radiographics 1990; **10:** 114

giant varices in portal hypertension: CT findings, Shapiro RS; Mendelson DS; Silvers AR; et al, Comput Med Imag Graph 1990; **14:** 269

hemodynamic significance of the paraumbilical vein in portal hypertension: assessment with duplex US, Mostbeck GH; Wittich GR; Herold C; Vergesslich KA; Walter RM; Frotz S; Sommer G, Radiology 1989; **170:** 339

identification of a patent paraumbilical vein by using Doppler sonography: importance in the diagnosis of portal hypertension, Gibson RN; Gibson PR; Donlan JD; et al, AJR 1989; **153:** 513

isolated gastric varices: splenic vein obstruction or portal hypertension, (ab), Levine MS; Kieu K; Rubesin SE; et al, JVIR 1991; **2:** 297

isolated gastric varices: splenic vein obstruction or portal hypertension?, Levine MS; Kieu K; Rubesin SE; et al, Gastrointest Radiol 1990; **15:** 188

liver hypertrophy and portal hypertension in association with tumor thrombus in the portal vein: CT findings, Imaeda T; Sone Y; Yamawaki Y; et al, JCAT 1991; **15:** 542

MR angiography in portal hypertension: detection of varices and imaging techniques, Johnson CD; Ehman RL; Rakela J; et al, JCAT 1991; **15:** 578

MR imaging in idiopathic portal hypertension, Arai K; Matsui O; Kadoya M; et al, JCAT 1991; **15:** 405

percutaneous intrahepatic portosystemic shunt created via a femoral vein approach, LaBerge JM; Ring EJ; Gordon RL, Radiology 1991; **181:** 679

portal hemodynamics in idiopathic portal hypertension (Banti's syndrome): comparison with chronic persistent hepatitis and normal subjects, (ab), Ohnishi K; Saito M; Sato S; et al, Radiology 1989; **170:** 900

portosystemic collaterals in portal hypertension: visualization by using blood-pool SPECT imaging, Kashiwagi T; Kimura K; Kozuka T; et al, AJR 1989; **153:** 281

siderotic nodules in the spleen: MR imaging of portal hypertension, Minami M; Itai Y; Ohtomo K; Ohnishi S; Niki T; Kokubo T; Yoshikawa K; Iio M, Radiology 1989; **172:** 681

splenoportovenography in portal hypertension: a safe outpatient procedure, Dilawari JB; Chawla YK; Raju GS; et al, J Canad Assoc Radiol 1990; **41:** 146

thickened stomach—an ultrasound sign of portal hypertension, Saverymuttu SH; Corbishley CM; Maxwell JD; et al, Clin Radiol 1990; **41:** 17

transjugular intrahepatic portacaval stent shunt: preliminary clinical results, Richter GM; Noeldge G; Palmaz JC; Roessle M; Slegerstetter V; Franke M; Gerok W; Wenz W; Farthman E, Radiology 1990; **174:** 1027

ultrasonic measurements of portal vasculature in diagnosis of portal hypertension: a controversial subject reviewed, Goyal AK; Pokharna DS; Sharma SK, J Ultrasound Med 1990; **9:** 45

ultrasonographic diagnosis of portal vein cavernous transformation in children, Frider B; Marin AM; Goldberg A, J Ultrasound Med 1989; **8:** 445

Hypertension, pulmonary

balloon angioplasty in the treatment of pulmonary hypertension caused by pulmonary embolism, (ab), Voorburg JAI; Cats VM; Buis B; et al, Radiology 1989; **172:** 291

clinical correlates of angiographically diagnosed idiopathic pulmonary hypertension, (ab), Gray HH; Morgan JM; Kerr IH; et al, Radiology 1991; **178:** 590

evaluation of pulmonary vascular pressures in cardiac patients: the role of the chest roentgenogram, Balbarini A; Limbruno U; Bertoli D; et al, J Thorac Imag 1991; **6-2:** 62

high-altitude pulmonary edema: findings at high-altitude chest radiography and physical examination, Vock P; Fretz C; Franciolli M; Bärtsch P, Radiology 1989; **170:** 661

imaging techniques for assessing pulmonary artery hypertension and right ventricular performance with special reference to COPD, Matthay RA; Shub C, J Thorac Imag 1990; **5-3:** 47

iodine-123-HIPDM lung imaging in pulmonary vein-banded pulmonary hypertension, Shih W-J; Cottrill CM; Coupal JJ; et al, J Nucl Med 1990; **31:** 668

prevalence of pulmonary hypertension in the United States: adult population estimates obtained from estimates of chest roentgenograms from the NHANES II survey, (ab), Rich S; Chomka E; Hasara L; et al, Radiology 1990; **174:** 900

pulmonary arterial hypertension: a contemporary review, Randall PA; Heitzman ER; Bull MJ; Scalzetti EM; Williams SK; Gordon LP; Markarian B, Radiographics 1989; **9:** 905

pulmonary hypertension secondary to chronic thromboembolism, Alavi A; Palevsky HI; Weiss DW, J Nucl Med 1990; **31:** 1

pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; **176:** 761

ventricular performance and glucose uptake in rats during chronic hypobaric hypoxia, Hurford WE; Crosby G; Strauss HW; et al, J Nucl Med 1990; **31:** 1344

Hypertension, renal

renal artery aneurysm: selective treatment for hypertension and prevention of rupture, (ab), Martin RS III; Meacham PW; Ditesheim JA; et al, Radiology 1989; **172:** 887

Hypertension, renovascular

57-year old woman with paroxysmal hypertension, Conners CJ; Govoni AF; Minkowitz G, Clin Imag 1989; **13:** 241

association between aneurysm formation and systemic hypertension in Takayasu's arteritis, Sharma S; Rajani M; Kamalakar T; et al, Clin Radiol 1990; **42:** 182

captopril glomerular filtration rate renogram in renovascular hypertension, Wilcox CS; Smith TB; Frederickson ED; et al, Clin Nucl Med 1989; **14:** 1

cost-effectiveness of nuclear medicine procedures in renovascular hypertension, Blaufox MD, Semin Nucl Med 1989; **19:** 116

diagnostic dilemma: a clinician's viewpoint, Vidt DG, Semin Nucl Med 1989; **19:** 75

differential diagnosis and management of renovascular hypertension through nuclear medicine techniques, Fine EJ; Sarkar S, Semin Nucl Med 1989; 19: 101
diminished response to furosemide in I-123 Hippuran renal studies of renovascular hypertension caused by unilateral renal artery stenosis, Fluekiger FM; Fueger GF; Einspieler R; et al, Clin Nucl Med 1990; 15: 614
enalaprilat-enhanced renography in a rat model of renovascular hypertension, Kopecky RT; McAfee JG; Thomas FD; et al, J Nucl Med 1990; 31: 501
iliac artery stenosis causing renal allograft-mediated hypertension: angiographic diagnosis and treatment, Weigele JB, AJR 1991; 157: 513
imaging advances in the diagnosis of renovascular hypertension, Hillman BJ, AJR 1989; 153: 5
imaging diagnosis of renovascular hypertension, Hillman BJ, Urol Radiol 1990; 12: 130
incidental fibromuscular dysplasia in potential renal donors: long-term clinical follow-up, Cragg AH; Smith TP; Thompson BH; Maroney TP; Stanson AW; Shaw GT; Hunter DW; Cochran ST, Radiology 1989; 172: 145
intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Dunnick NR; Svetkey LP; Cohan RH; Newman GE; Braun SD; Himmelstein SI; Bollinger RR; McCann RL; Wilkinson RH Jr; Klotman PE, Radiology 1989; 171: 219
intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Millward SF, Radiology 1989; 173: 283
intravenous digital subtraction renal angiography: use in screening for renovascular hypertension: reply, Dunnick NR, Radiology 1989; 173: 283
investigation of renovascular hypertension with ^{99m}TC-DTPA dynamic renal scanning and digital subtraction angiography, Stavraka-Kakavakis A; Vlontzou E; Apostolopoulos D; et al, Eur J Radiol 1989; 9: 231
low-dose captopril scintigraphy in the evaluation of renovascular hypertension, Ramirez G; Savader S; Farber S; et al, Clin Nucl Med 1990; 15: 480
radiation-induced renovascular hypertension successfully treated with transluminal angioplasty: case report, Milutinovic J; Darcy M; Thompson KA, Cardiovasc Intervent Radiol 1990; 13: 29
radiologic diagnosis of renovascular hypertension and percutaneous transluminal renal angioplasty, Tack C; Sos TA, Semin Nucl Med 1989; 19: 89
radionuclide renography in renovascular hypertension and double renal arteries, Lette J; Cerino M; Boucher A; et al, Clin Nucl Med 1991; 16: 185
renal artery stenosis in patients with aortic dissection: increased prevalence, Rackson ME; Lossef SV; Sos TA, Radiology 1990; 177: 555
renal artery stenosis: preliminary results of treatment with the Strecker stent, Kuhn F-P; Kutkuhn B; Torsello G; Mödder U, Radiology 1991; 180: 367
renal scintigraphy in renovascular hypertension secondary to stenosis of a supplemental renal artery, Simon T; Cuocolo A; Sandrock D; et al, J Nucl Med 1990; 31: 674
renal uptake of Tl-201 in hypertensive patients undergoing myocardial perfusion imaging, Hurwitz GA; Mattar AG; Bhargava R; et al, Clin Nucl Med 1990; 15: 88
renal vein renins: inability to predict response to revascularization in patients with hypertension, Roubidoux MA; Dunnick NR; Klotman PE; Newman GE; Cohan RH; Kadir S; Svetkey LP, Radiology 1991; 178: 819
renovascular hypertension: diagnosis and intervention, Thomsen HS; Sos TA; Nielsen SL, Acta Radiol 1989; 30: 113
renovascular hypertension: etiology and pathophysiology, Pickering TG, Semin Nucl Med 1989; 19: 79
screening for renovascular hypertension, Dunnick NR; Sfakianakis GN, Radiol Clin North Am 1991; 29: 497
technetium-99m MAG-3 clearances after captopril in experimental renovascular hypertension, Lee H-B; Blaufox MD, J Nucl Med 1989; 30: 666
thalamic hemorrhage in a 4-year-old child induced by nephro-vascular hypertension, Bianchi E; Savasta S; Torcetta F; et al, Pediatr Radiol 1989; 19: 513
total or partial percutaneous renal ablation in the treatment of renovascular hypertension: radiological and clinical aspects, Iaccarino V; Russo D; Niola R; et al, Br J Radiol 1989; 62: 593
use of ACE inhibitors in patients with renal artery stenosis, Stansby G; Scoble J; Hilson A; Hamilton G, Radiology 1991; 180: 290
use of ACE inhibitors in patients with renal artery stenosis: reply, Rackson ME; Lossef SV; Sos TA, Radiology 1991; 180: 291

Hypertension, systemic
congenital renal arteriovenous malformations in infancy: the imaging features in two infants with hypertension, Macpherson RI; Fyfe D; Aaronson IA, Pediatr Radiol 1991; 21: 108
neurovascular compression and essential hypertension: an angiographic study, Kleineberg B; Becker H; Gaab MR, Neuroradiol 1991; 33: 2
renal artery stenosis: diagnosis with color duplex US, Healy DA; Neumyer MM, Radiology 1990; 176: 877
renal artery stenosis: diagnosis with color duplex US: reply, Berland LL; Koslin DB, Radiology 1990; 176: 878
renal artery stenosis: prospective evaluation of diagnosis with color duplex US compared with angiography: work in progress, Berland LL; Koslin DB; Routh WD; Keller FS, Radiology 1990; 174: 421
renal vein renins: inability to predict response to revascularization in patients with hypertension, Roubidoux MA; Dunnick NR; Klotman PE; Newman GE; Cohan RH; Kadir S; Svetkey LP, Radiology 1991; 178: 819

Hyperthermia
absorbed power deposition for various insertion depths for 915 MHZ interstitial dipole antenna arrays: experiment versus theory, Ryan TP; Mechling JA; Strohbehn JW, Int J Radiat Oncol Biol Phys 1990; 19: 377
adjunctive therapy (whole body hyperthermia versus lonidamine) to total body irradiation for the treatment of favorable B-cell neoplasms: a report of two pilot clinical trials and laboratory investigations, Robins HI; Longo WL; Steeves RA; et al, Int J Radiat Oncol Biol Phys 1990; 18: 909
advanced ultrasonic techniques for local tumor hyperthermia, Lele PP, Radiol Clin North Am 1989; 27: 559
animal modeling and thermal dose, Dewhirst MW, Radiol Clin North Am 1989; 27: 509
biological consequences of hyperthermia, Miller MW; Ziskin MC, Ultrasound Med Biol 1989; 15: 707
biologic rationale for hyperthermia, Hetzel FW, Radiol Clin North Am 1989; 27: 499
blood flow in human tumors during local hyperthermia, Waterman FM; Tupchong L; Nerlinger RE; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1255
changes in human skin blood flow by hyperthermia, Song CW; Chelstrom LM; Haumschild DJ, Int J Radiat Oncol Biol Phys 1990; 18: 903
characteristics of improved microwave interstitial antennas for local hyperthermia, Sathiaseelan V; Leybovich L; Emami B; et al, Int J Radiat Oncol Biol Phys 1991; 20: 531
clinical considerations in the use of external microwaves for local hyperthermia, Steeves RA, Radiol Clin North Am 1989; 27: 519
clinical experience with thermotron RF-8 capacitive heating for bulky tumors: University of Minnesota experience, Lee CKK; Song CW; Rhee JG; et al, Radiol Clin North Am 1989; 27: 543
clinical hyperthermia and chemotherapy, Storm FK, Radiol Clin North Am 1989; 27: 621
clinical trials with local (external and interstitial) irradiation and hyperthermia: current and future perspectives, Perez CA; Emami BN, Radiol Clin North Am 1989; 27: 525
combined effects of x rays, Ro 03-8799, and hyperthermia on growth, necrosis, and cell proliferation in a mouse tumor, George KC; Streffer C; Pelzer T, Int J Radiat Oncol Biol Phys 1989; 16: 1119
combined treatment with interstitial hyperthermia and interstitial radiotherapy in an animal tumor model, Ruifrok ACC; Levendag PC; Lakeman RF; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1281
comparison of six microwave antennas for hyperthermia treatment of cancer: SAR results for single antennas and arrays, Ryan TP, Int J Radiat Oncol Biol Phys 1991; 21: 403
comparison of thermal enhancement of cis-diamminedichloroplatinum (II) induced renal and intestinal toxicities by whole body hyperthermia in the rat, Wondergem J; Bulger RE; Siddik ZH; et al, Int J Radiat Oncol Biol Phys 1989; 16: 1551
CT-guided thermocouple placement for hyperthermia treatment, Banerian KG; Roberts JL; Borrego JC; Martinez A, Radiographics 1990; 10: 499
current and potential role of hyperthermia in radiotherapy, Overgaard J, Int J Radiat Oncol Biol Phys 1989; 16: 535
development of scanned focussed ultrasound hyperthermia: clinical response evaluation, Harari PM; Hynynen KH; Roemer RB; et al, Int J Radiat Oncol Biol Phys 1991; 21: 831
effect of external pH on heat sensitization by local anesthetics, Coss RA; Smith NN, Int J Radiat Oncol Biol Phys 1991; 20: 59
effect of heat on the cytotoxicity and interaction with DNA of a series of platinum complexes, Herman TS; Teicher BA; Chan V; et al, Int J Radiat Oncol Biol Phys 1989; 16: 443
effect of hyperthermia on the early- and late-appearing mouse foot reactions and on radiation carcinogenesis: part II. effect on radiation carcinogenesis (thermal enhancement and oxygen enhancement), Urano M; Kenton LA; Kahn J, Int J Radiat Oncol Biol Phys 1989; 16: 437
effect of hyperthermia on the uptake and cytotoxicity of melphalan in Chinese hamster ovary cells, Bates DA; Mackillop WJ, Int J Radiat Oncol Biol Phys 1989; 16: 187
effect of lonidamine (LND) on radiation and thermal responses of human and rodent cell lines, Raaphorst GP; Feeley MM; Danjoux CE; et al, Int J Radiat Oncol Biol Phys 1991; 20: 509
effects of amiloride on intracellular pH and thermosensitivity, Kim GE; Lyons JC; Song CW, Int J Radiat Oncol Biol Phys 1991; 20: 541
effects of fat thickness on heating patterns of the microwave applicator MA-151 at 631 and 915 MHz, Chou CK; McDougall JA; Chan KW; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1067
effects of hyperthermia and/or hyperglycemia on pH and pO_2 in well oxygenated xenotransplanted human sarcoma, Roszinski S; Wiedemann G; Jiang SZ; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1273
effects of hyperthermia on tumor carcinoembryonic antigen expression, Wong JYC; Mivechi NF; Paxton RJ; et al, Int J Radiat Oncol Biol Phys 1989; 17: 803
effects of pH on heat sensitization of mammalian cells with procaine hydrochloride, Li X; Wang Z; Chu GL; et al, Int J Radiat Oncol Biol Phys 1990; 18: 933
effects of physical parameters on high temperature ultrasound hyperthermia, Billard BE; Hynynen K; Roemer RB, Ultrasound Med Biol 1990; 16: 409
effects of tamoxifen and protein kinase C inhibitors on hyperthermic cell killing, Mikkelsen RB; Stedman T; Schmidt-Ullrich R; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1039
effects of temperature on blood circulation measured with the laser Doppler method, Song CW; Chelstrom LM; Levitt SH; et al, Int J Radiat Oncol Biol Phys 1989; 17: 1041
enhancement of murine bone marrow ablation by combining whole body hyperthermia with total body irradiation and cyclophosphamide, Mivechi NF; Ogilvie PD, Int J Radiat Oncol Biol Phys 1989; 17: 117

evaluation and optimization of the electromagnetic performance of interstitial antennas for hyperthermia, Iskander MF; Tumeh AM; Furse CM, Int J Radiat Oncol Biol Phys 1990; **18:** 895

experimental brain hyperthermia: techniques for heat delivery and thermometry, Ryan TP; Hoopes PJ; Taylor JH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 739

ferromagnetic thermoseeds: suitable for an afterloading interstitial implant, Meredith RF; Brezovich IA; Weppelmann B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1341

has hyperthermia a place in cancer treatment?, Dunlop PRC; Howard GCW, Clin Radiol 1989; **40:** 76

heat shock stimulates polyamine oxidation by two distinct mechanisms in mammalian cell cultures, Harari PM; Fuller DJM; Gerner EW, Int J Radiat Oncol Biol Phys 1989; **16:** 451

heterogeneity of heat response in murine, canine and human tumors: influence on predictive assays, Woo SY; Anderson RL; Kapp DS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 479

historical aspects of hyperthermia in cancer therapy, Hornback NB, Radiol Clin North Am 1989; **27:** 481

hyperthermia and radiation therapy of local-regional recurrent breast cancer: prognostic factors for response and local control of diffuse or nodular tumors, Kapp DS; Barnett TA; Cox RS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1147

hyperthermia in cancer treatment, Hynynen K; Lulu BA, Invest Radiol 1990; **25:** 824

hyperthermia in eccentrically located pelvic tumors: excessive heating of the perineal fat and normal tissue temperatures, Feldmann HJ; Molls M; Adler S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1017

hyperthermia quality assurance guidelines, Shrivastava P; Luk K; Oleson J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 571

hyperthermic "dose" dependent changes in intralesional pH, Hetzel FW; Avery K; Chopp M, Int J Radiat Oncol Biol Phys 1989; **16:** 183

improved coupling of ultrasound hyperthermia applicators to patients, Oleson JR; Samulski TV, Int J Radiat Oncol Biol Phys 1989; **16:** 609

interaction of bleomycin and hyperthermia—results of a clinical pilot study, Pilepich MV; Jones KG; Emami BN; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 211

interaction of cisplatin plus etoposide with radiation ± hyperthermia, Pfeffer MR; Teicher BA; Holden SA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1439

interstitial ^{192}Ir flexible catheter radiofrequency hyperthermia treatments of head and neck and recurrent pelvic carcinomas, Goffinet DR; Prionas SD; Kapp DS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 199

interstitial thermoradiotherapy, Coughlin CT; Strohbehn JW, Radiol Clin North Am 1989; **27:** 577

interstitial thermoradiotherapy: thermal dosimetry and clinical results, Shimm DS; Kittelson JM; Oleson JR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 383

laserthermia: new method of interstitial local hyperthermia using the contact Nd:YAG laser, Joffe SN; Tajiri H; Oguro Y; et al, Radiol Clin North Am 1989; **27:** 611

local hyperthermia and radiation therapy in the retreatment of superficially located recurrences in Hodgkin's disease, Petersen IA; Kapp DS, Int J Radiat Oncol Biol Phys 1990; **18:** 603

measurement of tumor pH during microwave induced experimental and clinical hyperthermia with a fiber optic pH measurement system, van de Merwe SA; van den Berg AP; van der Zee J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 51

mechanisms of heat removal during local hyperthermia, Waterman FM; Tupchong L; Matthews J; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1049

microwave hyperthermia: principles and quality assurance, Paliwal BR; Shrivastava PN, Radiol Clin North Am 1989; **27:** 489

modification of specific absorption rates in interstitial microwave hyperthermia via tissue-equivalent material bolus, Sundararaman S; Denman DL; Legorreta RA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 677

noninvasive temperature imaging using diffusion MRI, Delannoy J; Chen C-N; Turner R; et al, Magn Res Med 1991; **19:** 333

observation by MR imaging of in vivo temperature changes induced by radio frequency hyperthermia, Hall AS; Prior MV; Hand JW; et al, JCAT 1990; **14:** 430

oncology/radiation therapy: RSNA '88 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1989; **170:** 917

oncology/radiation therapy: RSNA '89 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1990; **174:** 919

optimization of the absorbed power distribution for an annular phased array hyperthermia system, Strohbehn JW; Curtis EH; Paulsen KD; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 589

pathophysiological changes after local heating of rat liver, Uda M; Osborn JL; Lee CKK; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 587

PET measurements of hyperthermia-induced suppression of protein synthesis in tumors in relation to effects on tumor growth, Daemen BJG; Elsinga PH; Mooibroek J; et al, J Nucl Med 1991; **32:** 1587

phase I/II study, combination of radiotherapy and hyperthermia in patients with deep-seated malignant tumors: report of a pilot study by the radiation therapy oncology group, Emami B; Myerson RJ; Scott C; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 73

phase I-II trial of cisplatin, hyperthermia and radiation in patients with locally advanced malignancies, Herman TS; Jochelson MS; Teicher BA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1273

polyamine biosynthesis inhibitors combined with systemic hyperthermia in cancer therapy, Harari PM; Fuller DJM; Carper SW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 89

practical aspects of ferromagnetic thermoseed hyperthermia, Brezovich IA; Meredith RF, Radiol Clin North Am 1989; **27:** 589

precooling prevents overheating of subcutaneous fat in the use of RF capacitive heating, Rhee JG; Lee CKK; Osborn J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1009

preoperative hyperthermia and radiation for soft tissue sarcomas: advantage of two vs one hyperthermia treatments per week, Leopold KA; Harrelson J; Prosnitz L; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 107

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

proposed standard data file format for hyperthermia treatments, Sapareto SA; Corry PM, Int J Radiat Oncol Biol Phys 1989; **16:** 613

quality assurance problems in clinical hyperthermia and their impact on therapeutic outcome: a report by the radiation therapy oncology group, Perez CA; Gillespie B; Pajak T; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 551

recurrent tumors of the head and neck, pelvis, and chest wall: treatment with hyperthermia and brachytherapy, Rafla S; Parikh K; Tchelebi M; Youssef E; Selim H; Bishay S, Radiology 1989; **172:** 845

regional hyperthermia for advanced tumors: a clinical study of 353 patients, Petrovich Z; Langholz B; Gibbs FA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 601

relationship of changes in pH and energy status to hypoxic cell fraction and hyperthermia sensitivity, Koutcher JA; Barnett D; Kornblith AB; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1429

response of human and rodent cells to hyperthermia, Roizin-Towle L; Pirro JP, Int J Radiat Oncol Biol Phys 1991; **20:** 751

retrospective analysis of hyperthermia for use in the palliative treatment of cancer: a multi-modality evaluation, Urbon J; Murthy AK; Taylor SG IV; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 155

ring capacitor applicator in hyperthermia: energy distributions in a fat-muscle layered model for different ring electrode configurations, van Rhoon GC; Sowinski MJ; van den Berg PM; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 77

RTOG quality assurance guidelines for clinical trials using hyperthermia, Dewhirst MW; Phillips TL; Samulski TV; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1249

RTOG quality assurance guidelines for clinical trials using hyperthermia administered by ultrasound, Waterman FM; Dewhirst MW; Fessenden P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1099

RTOG quality assurance guidelines for clinical trials using hyperthermia for deep-seated malignancy, Sapozink MD; Corry PM; Kapp DS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1109

RTOG quality assurance guidelines for interstitial hyperthermia, Emami B; Stauffer P; Dewhirst MW; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1117

secondary external-beam radiotherapy and hyperthermia for local recurrence after 125-iodine implantation in adenocarcinoma of the prostate, Kaplan I; Kapp DS; Bagshaw MA, Int J Radiat Oncol Biol Phys 1991; **20:** 551

sensitization to hyperthermia induced in a normal tissue by step-down heating, Lindegaard JC; Nielsen OS, Int J Radiat Oncol Biol Phys 1991; **20:** 1023

simultaneous localized 915 MHz external and interstitial microwave hyperthermia to heat tumors greater than 3 cm in depth, Mittal BB; Sathiaseelan V; Kies MS, Int J Radiat Oncol Biol Phys 1990; **19:** 669

soft-tissue sarcomas: MR imaging and MR spectroscopy for prognosis and therapy monitoring, work in progress, Dewhirst MW; Sostman HD; Leopold KA; Charles HC; Moore D; Burn RA; Tucker JA; Harrelson JM; Oleson JR, Radiology 1990; **174:** 847

spiral microstrip hyperthermia applicators: technical design and clinical performance, Samulski TV; Fessenden P; Lee ER; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 233

superficial chest wall recurrences of breast cancer: prognostic treatment factors for combined radiation therapy and hyperthermia, Seegenschmiedt MH; Karlsson UL; Sauer R; Brady LW; Herbst M; Amendola BE; Markoe AM; Fisher SA; Micaily B, Radiology 1989; **173:** 551

temperature dependence of binding of a fluorescent hypoxia probe, Olive PL, Int J Radiat Oncol Biol Phys 1989; **16:** 1565

temperature distribution in locally advanced breast carcinoma during hyperthermic treatment: relationship to perfusion, vascular density, and histology, Lyng H; Monge OR; Bøhler PJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 423

temperature mapping with MR imaging of molecular diffusion: application to hyperthermia, Le Bihan D; Delannoy J; Levin RL, Radiology 1989; **171:** 853

therapeutic responses of spontaneous canine malignancies to combinations of radiotherapy and hyperthermia, Denman DL; Legorreta RA; Kier AB; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 415

thermal conduction effects associated with temperature measurements in proximity to radiofrequency electrodes and microwave antennas, Ryan TP; Samulski TV; Lyons BE; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1557

thermal enhancement of radiation-induced leg contracture, Stone HB, Int J Radiat Oncol Biol Phys 1990; **18:** 595

thermal sensitivity and thermal tolerance of human B-lineage acute lymphoblastic leukemia (ALL) cells, Min WS; Song CW; Uckun FM, Int J Radiat Oncol Biol Phys 1990; **18:** 147

thermotolerance in the mouse foot estimated at various levels of normal tissue damage, Lindegaard JC; Nielsen OS, Int J Radiat Oncol Biol Phys 1989; 16: 1543

time-temperature analysis of cell killing of BHK cells heated at temperatures in the range of 43.5°C to 57.0°C, Borrelli MJ; Thompson LL; Cain CA; et al, Int J Radiat Oncol Biol Phys 1990; 19: 389

treatment planning for ferromagnetic seed heating, Chin RB; Stauffer PR, Int J Radiat Oncol Biol Phys 1991; 21: 431

trimodality therapy (drug/hyperthermia/radiation) with BCNU or mitomycin C, Herman TS; Teicher BA; Holden SA, Int J Radiat Oncol Biol Phys 1990; 18: 375

tumor control in long-term survivors following superficial hyperthermia, Myerson RJ; Perez CA; Emami B; et al, Int J Radiat Oncol Biol Phys 1990; 18: 1123

tumor temperature distributions predict hyperthermia effect, Oleson JR; Dewhirst MW; Harrelson JM; et al, Int J Radiat Oncol Biol Phys 1989; 16: 559

two or six hyperthermia treatments as an adjunct to radiation therapy yield similar tumor responses: results of a randomized trial, Kapp DS; Petersen IA; Cox RS; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1481

use of microwave-induced hyperthermia in conjunction with afterloading irradiation of vaginal carcinoma: a preliminary report, Sorbe B; Roos DIF; Karlsson LG, Acta Oncol 1990; 29: 1029

value of ultrasound for the diagnosis of malignant hyperthermia, von Rohden L; Steinbicker V; Krebs P; et al, J Ultrasound Med 1990; 9: 291

whole body hyperthermia: a potent radioprotector *in vivo*, Shen R-N; Hornback NB; Shidnia H; et al, Int J Radiat Oncol Biol Phys 1991; 20: 525

whole body hyperthermia in the treatment of neoplastic disease, Robins HI; Hugander A; Cohen JD, Radiol Clin North Am 1989; 27: 603

Hyperthyroidism
See Thyroid, hyperthyroidism

Hypoparathyroidism
See Parathyroid, hypoparathyroidism

Hypophosphatemia
enthesopathic changes of hypophosphatemic osteomalacia in adults: radiologic findings, Burnstein MI; Lawson JP; Kottamasu SR; et al, AJR 1989; 153: 785

prominent transverse (Bowdler) bone spur as a diagnostic clue in a case of neonatal hypophosphatasia without metaphyseal irregularity, Oestreich AE; Bofinger MK, Pediatr Radiol 1989; 19: 341

x-linked hypophosphatemia in adults: prevalence of skeletal radiographic and scintigraphic features, Hardy DC; Murphy WA; Siegel BA; Reid IR; Whyte MP, Radiology 1989; 171: 403

X-linked hypophosphatemic rickets without "rickets", Econs MJ; Feussner JR; Samsa GP; et al, Skeletal Radiol 1991; 20: 109

Hypopituitarism
See Pituitary, hypopituitarism

Hypothalamus
hamartomas of the tuber cinereum: CT, MR, and pathologic findings, Boyko OB; Curnes JT; Oakes WJ; et al, AJR 1991; 156: 1053

hypothalamic hamartoma: report of two cases, (ab), Nishio S; Fujiwara S; Aiko Y; et al, Radiology 1990; 174: 589

idiopathic growth hormone deficiency: MR findings in 35 patients, Abrahams JJ; Trefelner E; Boulware SD, AJR 1991; 156: 599

Langerhans cell histiocytosis of hypothalamus and optic chiasm: CT and MR studies, O'Sullivan RM; Sheehan M; Poskitt KJ; et al, JCAT 1991; 15: 52

MR anatomy and pathology of the hypothalamus, Loes DJ; Barloon TJ; Yuh WTC; et al, AJR 1991; 156: 579

MR imaging of large hypothalamic hamartomas in two infants, Hubbard AM; Egelhoff JC, AJNR 1989; 10: 1277

reduced hypothalamic blood flow after radiation treatment of nasopharyngeal cancer: SPECT studies of 34 patients, Chieng P-U; Huang T-S; Chang C-C; et al, AJNR 1991; 12: 661

septo-optic dysplasia: MR imaging, Barkovich AJ; Fram EK; Norman D, Radiology 1989; 171: 189

Hypoxia
high-altitude pulmonary edema: findings at high-altitude chest radiography and physical examination, Vock P; Fretz C; Franciolli M; Bärtsch P, Radiology 1989; 170: 661

^{3}H-misonidazole labeling and viability of hypoxic cells in the sandwich system, an *in vitro* tumor analogue, Hlatky L; Ring CS; Sachs RK, Int J Radiat Oncol Biol Phys 1989; 16: 143

MIBG scintigraphic assessment of cardiac adrenergic activity in response to altitude hypoxia, Richalet JP; Merlet P; Bourguignon M; et al, J Nucl Med 1990; 31: 34

phase I/II study of the hypoxic cell sensitizer misonidazole as an adjunct to high fractional dose radiotherapy in patients with unresectable squamous cell carcinoma of the head and neck: a RTOG randomized study (#79-04), Lee D-J; Pajak TF; Stetz J; et al, Int J Radiat Oncol Biol Phys 1989; 16: 465

radioiodinated 1-(5-iodo-5-deoxy-β-D-arabinofuranosyl)-2-nitroimidazole (iodoazomycin arabinoside: IAZA): a novel marker of tissue hypoxia, Mannan RH; Somayaji VV; Lee J; et al, J Nucl Med 1991; 32: 1764

radiolabeled fluoromisonidazole as an imaging agent for tumor hypoxia, Rasey JS; Koh W-J; Grierson JR; et al, Int J Radiat Oncol Biol Phys 1989; 17: 985

Hysterosalpingography
See Uterus, radiography

I

Ileostomy
demonstration of para-ileostomy herniation using computed tomography, Etherington RJ; Williams JG; Hayward MWJ; et al, Clin Radiol 1990; 41: 333

stomal varices: percutaneous transhepatic embolization, Samaraweera RN; Feldman L; Widrich WC; Waltman A; Steinberg F; Greenfield A; Srinivasan M; Robbins AH; Johnson WC, Radiology 1989; 170: 779

Ileum
case report: gastrointestinal bleeding due to multiple ileal duplications diagnosed by scintigraphy and barium studies, Gilchrist AM; Sloan JM; Logan CJH; et al, Clin Radiol 1990; 41: 134

diffuse ileal conduit stenosis from Crohn's disease, Walser EM; Kopecky KK; Rowland R, Urol Radiol 1990; 12: 160

diffuse stenosis of the ileum after ureteroileal interposition: radiologic-pathologic correlation in two cases, Tung GA; Papanicolaou N; Zukerberg LR; et al, AJR 1991; 157: 315

ileal J pouch: radiologic evaluation in patients with and without postoperative infectious complications, Brown JJ; Balfe DM; Heiken JP; Becker JM; Soper NJ, Radiology 1990; 174: 115

infected duplication cyst of ileum masquerading as an adnexal abscess—ultrasonographic features, Caspi B; Schachter M; Lancet M, JCU 1989; 17: 431

intermittent bleeding in a patient with multiple ulcerations near the terminal ileum visualized on Tc-99m RBC gastrointestinal imaging, Morita S; Ishibashi M; Hirayama T; et al, Clin Nucl Med 1990; 15: 923

Ileum, diverticula
diverticula of the terminal ileum, Garrett JP; Nolan DJ, Clin Radiol 1989; 40: 178

Ileum, neoplasms
primary non-Hodgkin's lymphoma of the terminal ileum with enterovesical fistula: a case report, Nuruddin RN; Rathakrishnan V, Australas Radiol 1990; 34: 268

ultrasound Doppler of recurrent intussusception due to inflammatory fibroid polyp of the ileum, Sampson MA; Lyons TJ; Nottingham J; et al, J Ultrasound Med 1990; 9: 423

Ilium
case report 526, Hall FM; Turkel D, Skeletal Radiol 1989; 18: 127

case report 606, Hertzanu Y; Bar-Ziv J, Skeletal Radiol 1990; 19: 225

iliac insufficiency fractures, Davies AM; Bradley SA, Br J Radiol 1991; 64: 305

nutrient groove of the ilium, a subtle but important forensic radiographic marker in the identification of victims of severe trauma, Moser RP Jr; Wagner GN, Skeletal Radiol 1990; 19: 15

Tc-99m DTPA uptake in Paget's disease of the left ilium, Larcos G; Gruenewald SM; Farlow DC; et al, Clin Nucl Med 1990; 15: 22

three-phase radionuclide bone imaging in stress injury of the anterior iliac crest, Rockett JF, J Nucl Med 1990; 31: 1554

Images, analysis
automated tracking and computer reproduction of vessels in DSA images, Hoffmann KR; Doi K; Chen S-H; et al, Invest Radiol 1990; 25: 1069

automatic learning strategies and their application to electrophoresis analysis, Koch C; Pun T; Hochstrasser DF; et al, Comput Med Imag Graph 1989; 13: 383

chest radiography: a tool for the audit of report quality, Haug PJ; Clayton PD; Tocino I; Morrison JW; Elliot CG; Collins DV; Harada SK; Frederick PR, Radiology 1991; 180: 271

continuing reject-repeat film analysis program, Gadeholt G; Geitung JT; Göthlin JH; et al, Eur J Radiol 1989; 9: 137

hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL, Radiology 1991; 181: 469

image analyzers for bioscience applications, Ramm P, Comput Med Imag Graph 1990; 14: 287

interpretation of microscopic image analysis of cell nuclei, Hause LL; Clowry LJ; Cheng DS; et al, Comput Med Imag Graph 1990; 14: 225

neuron imaging with Neurolucida—a PC-based system for image combining microscopy, Glaser JR; Glaser EM, Comput Med Imag Graph 1990; 14: 307

radiologist and computer: a partnership in clinical radiology for the 1990s?, Simon JH, Radiology 1990; 175: 321

spatial and temporal registration of cardiac SPECT and MR images: methods and evaluation, Faber TL; McColl RW; Opperman RM; Corbett JR; Peshock RM, Radiology 1991; 179: 857

visualization and detection–localization on computed tomographic images, Seltzer SE; Swensson RG; Nawfel RD; et al, Invest Radiol 1991; 26: 285

Images, artifact
darkroom transplant, Merchant S; Morparia H; Punekar SV; et al, J Canad Assoc Radiol 1990; 41: 393

hardware and software artifacts in storage phosphor radiography, Oestmann JW; Prokop M; Schaefer CM; Galanski M, Radiographics 1991; 11: 795

offset electrocardiographic electrode simulating a pulmonary nodule on radiographs, Edwards ME; Harris RD; Spiegel PK, Radiology 1989; 172: 281

radiological laser film scanner sampling artifact, Ishimitsu Y; Arai K; Taira RK; et al, Comput Med Imag Graph 1990; 14: 25

seasonal lighter note: "Kirlian photography" film artifacts, Greyson ND, J Canad Assoc Radiol 1989; 40: 331

Images, display
ANALYZE: a comprehensive, operator-interactive software package for multidimensional medical image display and analysis, Robb RA; Hanson DP; Karwoski RA; et al, Comput Med Imag Graph 1989; 13: 433

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; 172: 783

clinical evaluation of irreversible image compression: analysis of chest imaging with computed radiography, Ishigaki T; Sakuma S; Ikeda M; Itoh Y; Suzuki M; Iwai S, Radiology 1990; 175: 739

comparison of 2048-line digital display formats and conventional radiographs: an ROC study, Hayrapetian A; Aberle DR; Huang HK; et al, AJR 1989; 152: 1113

digital imaging workstation, Arenson RL; Chakraborty DP; Seshadri SB; Kundel HL, Radiology 1990; 176: 303

display of CT studies on a two-screen electronic workstation versus a film panel alternator: sensitivity and efficiency among radiologists, Foley WD; Jacobson DR; Taylor AJ; Goodman LR; Stewart ET; Gurney JW; Stroka D, Radiology 1990; 174: 769

displays: contrast and spatial requirements, Frost M; Staab EV, Invest Radiol 1989; 24: 95

expert system–controlled image display, Swett HA; Fisher PR; Cohn AI; Miller PL; Mutalik PG, Radiology 1989; 172: 487

gamma camera image acquisition, display, and processing with the personal microcomputer, Lear JL; Pratt JP; Roberts DR; Johnson TK; Feyerabend A, Radiology 1990; 175: 241

images: cultural, perceptual, and computational, MacCormac ER, Invest Radiol 1989; 24: 331

ink jet color printing of digital medical images, Nilsson J; Johansson T; Holmer N-G; et al, Acta Radiol 1990; 31: 414

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; 175: 435

multispectral and color-aided displays, Vannier MW; Rickman D, Invest Radiol 1989; 24: 88

psychology of visual displays, Kosslyn SM, Invest Radiol 1989; 24: 417

radiologist and computer: a partnership in clinical radiology for the 1990s?, Simon JH, Radiology 1990; 175: 321

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; 174: 775

registration of three-dimensional MR and PET images of the human brain without markers, Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW, Radiology 1991; 181: 731

spatial and temporal registration of cardiac SPECT and MR images: methods and evaluation, Faber TL; McColl RW; Opperman RM; Corbett JR; Peshock RM, Radiology 1991; 179: 857

technical exhibits: RSNA '88 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1989; 170: 919

technical exhibits: RSNA '90 meeting notes, Gray JE; Morin RL; Barnes GT, Radiology 1991; 178: 910

video character generator for fluoroscopic procedures, Gerson ES, Radiology 1991; 180: 291

Images, enhancement

computer applications and digital imaging: RSNA '88 meeting notes, Arenson RL; Dwyer SJ III, Radiology 1989; 170: 916

computer applications and digital imaging: RSNA '89 meeting notes, Arenson RL; Dwyer SJ III; Chakraborty DP; Seshadri SB, Radiology 1990; 174: 917

computer applications and digital imaging: RSNA '90 meeting notes, Arenson RL; Dwyer SJ III; Huang HK; Kundel HL; Seshadri SB, Radiology 1991; 178: 913

enhancement and compression of digital chest radiographs, Cohn M; Trefler M; Young TY, J Thorac Imag 1990; 5-1: 92

gamma camera image acquisition, display, and processing with the personal microcomputer, Lear JL; Pratt JP; Roberts DR; Johnson TK; Feyerabend A, Radiology 1990; 175: 241

high frequency edge enhancement in the detection of fine pulmonary lines: parity between storage phosphor digital images and conventional chest radiography, Oestmann JW; Greene R; Rubens JR; et al, Invest Radiol 1989; 24: 643

processing of mammographic films: technical and clinical considerations, Tabar L; Haus AG, Radiology 1989; 173: 65

subtle gastric abnormalities in a canine model: detection with low-dose imaging with storage phosphors and its equivalence to conventional radiography, Shin JH; Oestmann J; Hall D; Cardenosa G; McCarthy KA; Mrose HE; Pile-Spellman E; Rubens JR; Greene RE, Radiology 1989; 172: 399

Images, interpretation

diagnostic pitfalls in abdominal CT, Shirkhoda A, Radiographics 1991; 11: 969

digital imaging with a photostimulable phosphor in the chest of newborns, Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B, Radiology 1991; 181: 829

display of CT studies on a two-screen electronic workstation versus a film panel alternator: sensitivity and efficiency among radiologists, Foley WD; Jacobson DR; Taylor AJ; Goodman LR; Stewart ET; Gurney JW; Stroka D, Radiology 1990; 174: 769

does knowledge of the clinical history affect the accuracy of chest radiograph interpretation?, Good BC; Cooperstein LA; DeMarino GB; et al, AJR 1990; 154: 709

expert system–controlled image display, Swett HA; Fisher PR; Cohn AI; Miller PL; Mutalik PG, Radiology 1989; 172: 487

free-response methodology: alternate analysis and a new observer-performance experiment, Chakraborty DP; Winter LHL, Radiology 1990; 174: 873

image interpretation session, Capp MP; Strautman PR; Kricun ME; Modic MT; Moss AA; Webb WR; Wood BP, Radiographics 1990; 10: 131

image interpretation session, Osborn AG; Sobin LH; Buck JL; Davidson AJ; Kransdorf MJ; Moser RP Jr; Rosado de Christenson ML; Smirniotopoulos JG, Radiographics 1991; 11: 133

image interpretation session: Sunday, December 1, 1991, Harwood-Nash DC; Daneman A; Jeffrey RB; Pathria MN; Putnam CE; Scotti G, Radiographics 1991; 11: 911

image interpretation session: Sunday, November 25, 1990, Osborn AG; Sobin LH; Armstrong P; Norman D; Hillman BJ; Manaster BJ; Siegel MJ, Radiographics 1990; 10: 883

issues in the use of kappa, Ker M, Invest Radiol 1991; 26: 78

nonacute subdural hematoma: fundamental interpretation of MR images based on biochemical and in vitro MR analysis, Ebisu T; Naruse S; Horikawa Y; Tanaka C; Higuchi T, Radiology 1989; 171: 449

quality assessment in an ambulatory care unit: do training and responsibility conflict?, Stewart NR; Mann FA; Terrell CB; Murphy WA Jr, Radiology 1991; 181: 857

quality assurance of viewing boxes: proposal for establishing minimum requirements and results from a Spanish quality control programme, Guibelalde E; Vaño E; Llorca AL, Br J Radiol 1990; 63: 564

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; 174: 775

reproducibility of image interpretation in immunoscintigraphy performed with indium-111- and iodine-131-labeled OC125 $F(ab')_2$ antibody injected into the same patients, Vuillez J-P; Peltier P; Mayer J-C; et al, J Nucl Med 1991; 32: 221

resident interpretation of emergency computed tomographic scans, Roszler MH; McCarroll KA; Rashid T; et al, Invest Radiol 1991; 26: 374

search and nonsearch protocols for radiographic consultation, Swensson RG; Theodore GH, Radiology 1990; 177: 851

subtle gastric abnormalities in a canine model: detection with low-dose imaging with storage phosphors and its equivalence to conventional radiography, Shin JH; Oestmann J; Hall D; Cardenosa G; McCarthy KA; Mrose HE; Pile-Spellman E; Rubens JR; Greene RE, Radiology 1989; 172: 399

understanding complex images: perspectives from visual cognition, Cooper LA, Invest Radiol 1991; 26: 765

viewing glasses as an alternative to bifocals, Revak CS, Radiology 1990; 174: 578

Images, processing

AAPM tutorial: physics of mammography: image recording process, Yaffe MJ, Radiographics 1990; 10: 341

analysis of brain and cerebrospinal fluid volumes with MR imaging: impact on PET data correction for atrophy: part II. aging and Alzheimer dementia, Tanna NK; Kohn MI; Horwich DN; Jolles PR; Zimmerman RA; Alves WM; Alavi A, Radiology 1991; 178: 123

application of region of interest definition to quadtree-based compression of CT images, Halpern EJ; Premkumar A; Mullen DJ; et al, Invest Radiol 1990; 25: 703

blurred-mask density compression for improved reproduction of radiographs, Bednarek DR; Rudin S, Invest Radiol 1991; 26: 358

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; 172: 783

CARTOS II semi-automated nerve tracing: three-dimensional reconstruction from serial section micrographs, Allen BA; Levinthal C, Comput Med Imag Graph 1990; 14: 319

clinical evaluation of irreversible image compression: analysis of chest imaging with computed radiography, Ishigaki T; Sakuma S; Ikeda M; Itoh Y; Suzuki M; Iwai S, Radiology 1990; 175: 739

colour displays and look-up tables: real time modification of digital images, Lutz RW; Pun T; Pellegrini C, Comput Med Imag Graph 1991; 15: 73

comparison of information-preserving and information-losing data-compression algorithms for CT images, Bramble JM, Radiology 1989; 170: 453

darkroom transplant, Merchant S; Morparia H; Punekar SV; et al, J Canad Assoc Radiol 1990; 41: 393

database management in autoradiography, Shivaramakrishnan K; Tretiak OJ, Comput Med Imag Graph 1989; 13: 115

data compression: effect on diagnostic accuracy in digital chest radiography, MacMahon H; Doi K; Sanada S; Montner SM; Giger ML; Metz CE; Nakamori N; Yin F-F; Xu X-W; Yonekawa H; Takeuchi H, Radiology 1991; 178: 175

data exchange format for neuroanatomy workstations, Smith WK; Woodward DJ, Comput Med Imag Graph 1990; 14: 371

detector for scanned projection radiography, Sones RA; Lauro KL; Cattell CL, Radiology 1990; 175: 553

determination of weighting functions for energy-weighted acquisition, DeVito RP; Hamill JJ, J Nucl Med 1991; 32: 343

development of a high-resolution digital tomosynthesis system and its clinical application, Sone S; Kasuga T; Sakai F; Aoki J; Izuno I; Tanizaki Y; Shigeta H; Shibata K, Radiographics 1991; 11: 807

digital image processing of radiation therapy portal films, Cumberlin RL; Rodgers JE; Fahey FH, Comput Med Imag Graph 1989; 13: 227

evaluation of a quadtree-based compression algorithm with digitized urograms, Halpern EJ; Newhouse JH; Amis ES; Levy HM; Lubetsky HW, Radiology 1989; 171: 259

evaluation of radiographs developed by a new ultrarapid film processing system, Schmidt RA; Doi K; Sekiya M; et al, AJR 1990; 154: 1107

expert system for guiding image segmentation, Hu ZP; Pun T; Pellegrini C, Comput Med Imag Graph 1990; 14: 13

hardcopy recording technologies for digitally formatted image data, Siegel EL; Bishop MD; Wetzel LH; et al, Invest Radiol 1991; 26: 179

high frequency edge enhancement in the detection of fine pulmonary lines: parity between storage phosphor digital images and conventional chest radiography, Oestmann JW; Greene R; Rubens JR; et al, Invest Radiol 1989; 24: 643

image data compression in magnification hand radiographs, Bramble JM; Cook LT; Murphey MD; Martin NL; Anderson WH; Hensley KS, Radiology 1989; **170:** 133

image processing for the rest of us: the potential utility of inexpensive computerized image analysis in clinical pathology and radiology, McEachron DL; Hess S; Knecht LB; et al, Comput Med Imag Graph 1989; **13:** 3

lightening dark double-emulsion radiographs, Levin B, Radiology 1990; **174:** 574

lightening dark radiographs, Kumar R; Saha MM, Radiology 1991; **178:** 583

local segmentation of biomedical images, Kundu A, Comput Med Imag Graph 1990; **14:** 173

mediastinal abnormalities: detection with storage phosphor digital radiography, Schaefer CM; Greene RE; Hall DA; Lindemann SR; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1991; **178:** 169

method for digitizing radiographic images, Korhola O, Acta Radiol 1990; **31:** 317

microcomputer processing of film radiographs, Tait WH; Hanson ME, Br J Radiol 1989; **62:** 613

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

multiple spectral parameter imaging in quantitative fluorescence microscopy. I: quantitation of bead standards, Galbraith W; Ryan KW; Gliksman N; et al, Comput Med Imag Graph 1989; **13:** 47

new video intensity based wall motion analysis technique, Bhargava V, Comput Med Imag Graph 1990; **14:** 107

PC-based 3D imaging system: algorithms, software, and hardware considerations, Raya SP; Udupa JK; Barrett WA, Comput Med Imag Graph 1990; **14:** 353

processing of mammographic films: technical and clinical considerations, Tabar L; Haus AG, Radiology 1989; **173:** 65

radiologist and computer: a partnership in clinical radiology for the 1990s?, Simon JH, Radiology 1990; **175:** 321

recognition of regions in brain sections, Waks A; Tretiak OJ, Comput Med Imag Graph 1990; **14:** 341

registration of three-dimensional MR and PET images of the human brain without markers, Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW, Radiology 1991; **181:** 731

simple method of prducing diagnostic copies from overexposed radiographs, Hamilton G, J Canad Assoc Radiol 1991; **42:** 216

single-exposure conventional and computed radiography image acquisition, Chotas HG; Dobbins JT III; Floyd CE Jr; et al, Invest Radiol 1991; **26:** 438

technical exhibits: RSNA '88 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1989; **170:** 919

technical exhibits: RSNA '90 meeting notes, Gray JE; Morin RL; Barnes GT, Radiology 1991; **178:** 910

three-dimensional surface reconstructions using a general purpose image processing system, Hoffmeister JW; Rinehart GC; Vannier MW, Comput Med Imag Graph 1990; **14:** 35

variation in user drawn outlines on digital images: effects on quantitative autoradiography, Eilbert JL; Gallistel CR; McEachron DL, Comput Med Imag Graph 1990; **14:** 331

video techniques for on-line portal imaging, Shalev S; Lee T; Leszczynski K; et al, Comput Med Imag Graph 1989; **13:** 217

Images, quality

AAPM tutorial: contrast and scatter in x-ray imaging, Barnes GT, Radiographics 1991; **11:** 307

AAPM tutorial: mammography as a radiographic system, Hubbard LB, Radiographics 1990; **10:** 103

AAPM tutorial: physics of mammography: image recording process, Yaffe MJ, Radiographics 1990; **10:** 341

abdominal ultrasonography: improved image quality with the combined use of a diet and laxatives, Vogel HJP; Schipper J; Hermans J, JCU 1990; **18:** 627

detector for scanned projection radiography, Sones RA; Lauro KL; Cattell CL, Radiology 1990; **175:** 553

digital imaging with a photostimulable phosphor in the chest of newborns, Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B, Radiology 1991; **181:** 829

effect of exercise supplementation on dipyridamole thallium-201 image quality, Stern S; Greenberg ID; Corne R, J Nucl Med 1991; **32:** 1559

evaluation of image quality of ultrasound scanners in medical diagnostics, Alasaarela E; Koivukangas J, J Ultrasound Med 1990; **9:** 23

evaluation of radiographs developed by a new ultrarapid film processing system, Schmidt RA; Doi K; Sekiya M; et al, AJR 1990; **154:** 1107

hardware and software artifacts in storage phosphor radiography, Oestmann JW; Prokop M; Schaefer CM; Galanski M, Radiographics 1991; **11:** 795

image data compression in magnification hand radiographs, Bramble JM; Cook LT; Murphey MD; Martin NL; Anderson WH; Hensley KS, Radiology 1989; **170:** 133

improved portal film image quality in radiation therapy with high energy photons, Kihlén B; Cederlund T; Lagergren C; et al, Acta Oncol 1991; **30:** 369

processing of mammographic films: technical and clinical considerations, Tabar L; Haus AG, Radiology 1989; **173:** 65

quantitative assessment of quality of digitized portal images: receiver operating characteristic analysis applied to imaging in radiation therapy, Okajima K; Nakata M; Yano S; Nagata Y; Kimura I; Nakano Y; Abe M, Radiology 1991; **181:** 273

reject analysis: a pilot programme for image quality management, Arvanitis TN; Parizel PM; Degryse HR; et al, Eur J Radiol 1991; **12:** 171

Images, storage and retrieval

See Picture archiving and communication system (PACS)

Images, transmission

comparison of information-preserving and information-losing data-compression algorithms for CT images, Bramble JM, Radiology 1989; **170:** 453

evaluation of routine telephone transmission of nuclear medicine studies, Orlin JA; Tal I; Parker JA; et al, Clin Nucl Med 1989; **14:** 22

integrated radiologic information system: a radiology multimedia communication system, Hickey NM; Robertson JG; Coristine M, J Thorac Imag 1990; **5-1:** 77

quadtree-based data compression of abdominal CT images, Halpern EJ; Levy HM; Newhouse JH; et al, Invest Radiol 1990; **25:** 31

teleradiology: an assessment, Batnitzky S; Rosenthal SJ; Siegel EL; Wetzel LH; Murphey MD; Cox GG; McMillan JH; Templeton AW; Dwyer SJ III, Radiology 1990; **177:** 11

Imaging plate

AAPM tutorial: physics of mammography: image recording process, Yaffe MJ, Radiographics 1990; **10:** 341

intraoperative arteriography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Pond GD; Seeley GW; Ovitt TW; Chernin MM; Yoshino MT; Roehrig H; McIntyre KE, Radiology 1989; **170:** 367

Immunity

altered cellular immune function in the atelectatic lung, (ab), Nguyen DM; Mulder DS; Shennib H, Radiology 1991; **181:** 612

asbestos exposure and asbestos-related pleural and parenchymal disease: associations with immune imbalance, (ab), Sprince NL; Oliver LC; McLoud TC; et al, Radiology 1991; **181:** 908

diffuse lung disease in the current spectrum of immunocompromised hosts (non-AIDS), Moore EH, Radiol Clin North Am 1991; **29:** 983

effects of 2.35-T MR imaging on natural killer cell cytotoxicity with and without interleukin-2, Prasad N; Lotzová E; Thornby JI; Taber KH, Radiology 1990; **175:** 261

immune competence in ^{90}Sr-exposed, adult thymectomized and antilymphocyteglobulin-treated CBA mice: I. allogenic skin graft reaction, Bierke P, Acta Oncol 1989; **28:** 271

immune competence in ^{90}Sr-exposed, adult thymectomized and antilymphocyteglobulin-treated CBA mice: II. reticuloendothelial phagocytic function and in vitro mitogen responsiveness of spleen cells, Bierke P, Acta Oncol 1990; **29:** 615

immunologic defects in patients with refractory sinusitis, (ab), Shapiro GG; Virant FS; Furukawa CT; et al, Radiology 1991; **181:** 616

modulation of immune function by intestinal neuropeptides, Sirinek LP; O'Dorisio MS, Acta Oncol 1991; **30:** 509

parotid gland abnormality found in children seropositive for the human immunodeficiency virus (HIV), Goddart D; Francois A; Ninane J; et al, Pediatr Radiol 1990; **20:** 355

pulmonary infections in the immunocompromised host, McLoud TC, Radiol Clin North Am 1989; **27:** 1059

radiostrontium-induced oncogenesis and the role of immunosuppression: II. influence of ^{90}Sr dose, adult thymectomy and antilymphocyteglobulin treatment on the development of lympho-reticular and extraskeletal, neoplastic lesions in CBA mice, Bierke P; Nilsson A, Acta Oncol 1990; **29:** 53

Immunoglobulins

See Gamma globulins

Impotence

anatomy of penile venous drainage in potent and impotent men during cavernosography, (ab), Fuchs AM; Mehringer CM; Rajfer J, Radiology 1990; **174:** 292

arteriogenic impotence: findings in 195 impotent men examined with selective internal pudendal angiography: young investigator's award, Rosen MP; Greenfield AJ; Walker TG; Grant P; Guben JK; Dubrow J; Bettmann MA; Goldstein I, Radiology 1990; **174:** 1043

arteriographically determined occlusive disease within the hypogastric-cavernous bed in impotent patients following blunt perineal and pelvic trauma, (ab), Levine FJ; Greenfield AJ; Goldstein I, Radiology 1991; **180:** 294

cavernosal acetylcholine/papaverine response: a practical in vivo method for quantification of endothelium-dependent relaxation: rationale and experimental validation, Bookstein JJ; Vandeberg J; Machado T, Invest Radiol 1990; **25:** 1168

color Doppler sonography in the evaluation of erectile dysfunction: patterns of temporal response to papaverine, Fitzgerald SW; Erickson SJ; Foley WD; et al, AJR 1991; **157:** 331

comparison of selective internal iliac pharmacoangiography, penile brachial index and duplex sonography with pulsed Doppler analysis for the evaluation of vasculogenic (arteriogenic) impotence, (ab), Mueller SC; Wallenberg-Pachaly HV; Voges GE; et al, Radiology 1991; **178:** 293

correlation between penile angiography and duplex scanning of cavernous arteries in impotent men, (ab), Rajfer J; Canan V; Dorey FJ; et al, Radiology 1991; **178:** 293

diagnostic value of the radioisotope erection penogram for vasculogenic impotence, (ab), Kim SC; Kim KB; Oh CH, Radiology 1991; **180:** 294

duplex and color Doppler sonographic evaluation of vasculogenic impotence, Quam JP; King BF; James EM; et al, AJR 1989; **153:** 1141

duplex ultrasound findings in men with Peyronie's disease, Lopez JA; Jarow JP, Urol Radiol 1991; **12:** 199

evaluation of impotence, Benson CB; Vickers MA Jr; Aruny J, Semin US CT MR 1991; **12:** 176

evaluation of vasculogenic erectile impotence using penile duplex ultrasonography, (ab), Shabsigh R; Fishman IJ; Quesada ET; et al, Radiology 1990; **176:** 295

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

high resolution ultrasonography and pulsed wave Doppler for detection of corporovenous incompetence in erectile dysfunction, (ab), Vickers MA Jr; Benson CB; Richie JP, Radiology 1991; **178:** 293

impotence: diagnosis and treatment, (ab), Bookstein JJ, Radiology 1991; **181:** 911

invasion of the neurovascular bundle by prostate cancer: evaluation with MR imaging, Tempany CMC; Rahmouni AD; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; **181:** 107

papaverine-induced penile blood flow acceleration in impotent men measured by duplex scanning, (ab), Mellinger BC; Fried JJ; Vaughan ED Jr, Radiology 1991; **180:** 589

penile blood flow by xenon-133 washout, Haden HT; Katz PG; Mulligan T; et al, J Nucl Med 1989; **30:** 1032

penile duplex sonography in the diagnosis of venogenic impotence, (ab), Bassiouny HS; Levine LA, Radiology 1991; **180:** 589

prevalence of corporeal venous leakage in impotent men, (ab), Rajfer J; Rosciszewski A; Mehringer M, Radiology 1989; **170:** 585

radiology of penile prostheses, Cohan RH; Dunnick NR; Carson CC, AJR 1989; **152:** 925

radionuclide studies in impotence, Hilson AJW; Lewis CA, Semin Nucl Med 1991; **21:** 159

role of duplex sonography in the evaluation of sexual impotence, Paushter DM, AJR 1989; **153:** 1161

role of dynamic corpora cavernosography in the management of impotence, Glancy JJ; Wisniewski ZS; Earle CM; et al, Australas Radiol 1989; **33:** 128

role of imaging in the diagnostic evaluation of impotence, Krysiewicz S; Mellinger BC, AJR 1989; **153:** 1133

sexual impotence caused by vascular disease: diagnosis with duplex sonography, Benson CB; Vickers MA, AJR 1989; **153:** 1149

vasculogenic impotence: duplex and color Doppler imaging, Hattery RR; King BF Jr; Lewis RW; et al, Radiol Clin North Am 1991; **29:** 629

Indium, radioactive

autoradiographic method for quantitation of radiolabeled proteins in tissues using indium-111, Morrel EM; Tompkins RG; Fischman AJ; et al, J Nucl Med 1989; **30:** 1538

can ^{111}Indium autologous mixed leucocyte scanning accurately assess disease extent and activity in Crohn's disease?, (ab), Park RHR; McKillop JH; Duncan A; et al, Radiology 1989; **170:** 581

case report: deep venous thrombosis diagnosed on indium-111 labelled white cell scanning, Carvalho P; Banerjee AK; Cheah FK; et al, Clin Radiol 1991; **43:** 276

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

comparative biodistributions of yttrium- and indium-labeled monoclonal antibody B72.3 in athymic mice bearing human colon carcinoma xenografts, Roselli M; Schlom J; Gansow OA; et al, J Nucl Med 1989; **30:** 672

comparison of indium-111 nonspecific polyclonal IgG with indium-111-leukocytes in a canine osteomyelitis model, Schauwecker DS; Carlson KA; Miller GA; et al, J Nucl Med 1991; **32:** 1394

comparison of iron-59, indium-111, and gallium-69 transferrin as a macromolecular tracer of vascular permeability and the transferrin receptor, Otsuki H; Brunetti A; Owens ES; et al, J Nucl Med 1989; **30:** 1676

comparison of oxine and tropolone methods for labeling human platelets with indium-111, Kotzé HF; Heyns AdP; Lötter MG; et al, J Nucl Med 1991; **32:** 62

complementary role of computerised tomography and indium-111 labelled leucocytes in the management of sepsis, O'Neill H; Stack JP; Malone LA; et al, Eur J Radiol 1989; **9:** 134

detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989; **170:** 677

detection of acute osteomyelitis with indium-111 labeled white blood cells in a patient with sickle cell disease, Fernandez-Ulloa M; Vasavada PJ; Black RR, Clin Nucl Med 1989; **14:** 97

evaluation of indium-111-labeled antifibrin monoclonal antibody for the diagnosis of venous thrombotic disease, De Faucal P; Peltier P; Planchon B; et al, J Nucl Med 1991; **32:** 785

failure of indium-111 leukocyte scanning to detect nodal involvement with mycobacterium avium-intracellulare infection in the acquired immunodeficiency syndrome, Bach MC, Clin Nucl Med 1989; **14:** 367

gastrointestinal transit of technetium-99m-labeled cellulose fiber and indium-111-labeled plastic particles, Madsen JL; Jensen M, J Nucl Med 1989; **30:** 402

imaging of intrathoracic disease with indium 111-labeled leukocytes, Oates E; Ramberg K, J Thorac Imag 1990; **5-3:** 78

In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT, Radiology 1990; **175:** 163

indium 111 imaging in appendicitis, Navarro DA; Weber PM, Semin US CT MR 1989; **10:** 321

indium-111-labeled LDL: a potential agent for imaging atherosclerotic disease and lipoprotein biodistribution, Rosen JM; Butler SP; Meinken GE; et al, J Nucl Med 1990; **31:** 343

indium-111-labeled leukocyte scan in detection of synthetic vascular graft infection: the effect of antibiotic treatment, Chung CJ; Hicklin OA; Payan JM; et al, J Nucl Med 1991; **32:** 13

indium-111-labeled leukocyte scintigraphy in hemodialysis access-site infection, Palestro CJ; Vega A; Kim CK; et al, J Nucl Med 1990; **31:** 319

indium-111-leukocyte imaging in acute cholecystitis, Fink-Bennett D; Clarke K; Tsai D; et al, J Nucl Med 1991; **32:** 803

indium-111 transferrin imaging for the diagnosis of protein-losing enteropathy, Aburano T; Yokoyama K; Kinuya S; et al, Clin Nucl Med 1990; **14:** 681

indium-111 white blood cell scans: sensitivity, specificity, accuracy, and normal patterns of distribution, Guze BH; Webber MM; Hawkins RA; et al, Clin Nucl Med 1990; **15:** 8

infected knee prosthesis: diagnosis with In-111 leukocyte, Tc-99m sulfur colloid, and Tc-99m MDP imaging, Palestro CJ; Swyer AJ; Kim CK; Goldsmith SJ, Radiology 1991; **179:** 645

in vivo tracing of indium-111 oxine-labeled human peripheral blood mononuclear cells in patients with lymphatic malignancies, Müller C; Zielinski CC; Linkesch W, J Nucl Med 1989; **30:** 1005

metabolism of indium chelates attached to monoclonal antibody: minimal transchelation of indium from benzyl-EDTA chelate in vivo, Deshpande SV; Subramanian R; McCall MJ; et al, J Nucl Med 1990; **31:** 218

molecular structure of indium-DTPA, Maecke HR; Riesen A; Ritter W, J Nucl Med 1989; **30:** 1235

new radiochemical method to determine the stability constants of metal chelates attached to a protein, Subramanian KM; Wolf W, J Nucl Med 1990; **31:** 480

osteomyelitis: diagnosis with In-111–labeled leukocytes, Schauwecker DS, Radiology 1989; **171:** 141

platelet activation and aggregation after endothelial injury: assessment with indium-111-labeled platelets and angiography, Janicek MJ; Van den Abbeele AD; Hollenberg NK; et al, Invest Radiol 1990; **25:** 988

platelet destruction in autoimmune thrombocytopenic purpura: kinetics and clearance of indium-111-labeled autologous platelets, Stratton JR; Ballem PJ; Gernsheimer T; et al, J Nucl Med 1989; **30:** 629

positive indium-111 leukocyte image following antigenic stimulation in a 15-month-old female child, Walton AJ; Czarnecki DJ, Clin Nucl Med 1989; **14:** 70

postoperative bone marrow alterations: potential pitfalls in the diagnosis of osteomyelitis with In-111–labeled leukocyte scintigraphy, Seabold JE; Nepola JV; Marsh JL; Hawes DR; Justin EP; Ponto JA; Pettit WA; El-Khoury GY; Kirchner PT, Radiology 1991; **180:** 741

quantitative SPECT for indium-111-labeled antibodies in the livers of beagle dogs, Leichner PK; Vriesendorp HM; Hawkins WG; et al, J Nucl Med 1991; **32:** 1442

radiation toxicity of indium-111-2-mercaptopyridine-N-oxide on HeLa S-3 cells, Hong SS; Ford EH; Greenspan B, Br J Radiol 1989; **62:** 468

radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ, Radiology 1990; **175:** 79

recent developments in the radiolabeling of antibodies with iodine, indium, and technetium, Hnatowich DJ, Semin Nucl Med 1990; **20:** 80

scintigraphic assessment of indium-111-labeled granulocyte splenic pooling: a new approach to inflammatory bowel disease activity, Loréal O; Moisan A; Bretagne J-F; et al, J Nucl Med 1990; **31:** 1470

sequential use of indium-111 labeled monoclonal antibodies 96.5 and ZME-018 does not increase detection sensitivity for metastatic melanoma, Frontiera M; Murray JL; Lamki L; et al, Clin Nucl Med 1989; **14:** 357

skeletal uptake of indium 111-labeled white blood cells, Abreu SH, Semin Nucl Med 1989; **19:** 152

splenic dynamics of indium-111 labeled platelets in idiopathic thrombocytopenic purpura, Syrjälä MT; Savolainen S; Nieminen U; et al, J Nucl Med 1989; **30:** 1546

successful imaging of human cancer with indium-111-labeled phospholipid vesicles, (ab), Presant CA; Proffitt RT; Turner AF; et al, Radiology 1989; **171:** 592

Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ, Radiology 1989; **173:** 163

uptake of indium-111 in the liver of mice following administration of indium-111-DTPA-labeled monoclonal antibodies: influence of labeling parameters, physiologic parameters, and antibody dose, Schuhmacher J; Klivényi G; Matys R; et al, J Nucl Med 1990; **31:** 1084

use of indium-111 oxine platelet scintigraphy and survival studies in pediatric patients with thrombocytopenia, Castle VP; Shulkin BL; Coates G; et al, J Nucl Med 1989; **30:** 1819

value of blood-pool subtraction in cardiac indium-111-labeled platelet imaging, Machac J; Vallabhajosula S; Goldman ME; et al, J Nucl Med 1989; **30:** 1445

Indomethacin

cerebral blood flow velocity changes in preterm infants after a single dose of indomethacin: duration of its effect, (ab), Van Bel F; van de Bor M; Stijnen T; et al, Radiology 1990; **175:** 887

contribution of color Doppler flow imaging to the evaluation of the effect of indomethacin on neonatal cerebral hemodynamics, Van Bel F; Van Zwieten PHT; Den Ouden LL, J Ultrasound Med 1990; **9:** 107

effect of indomethacin on superior mesenteric artery blood flow velocity in preterm infants, (ab), Van Bel F; Van Zoeren D; Schipper J; et al, Radiology 1991; **180:** 592

hypercalciuric Bartter syndrome: resolution of nephrocalcinosis with indomethacin, Matsumoto J; Han BK; Restrepo de Rovetto C; et al, AJR 1989; **152:** 1251

low sodium diet, indomethacin, and contrast media: a comparison between renal effects of diatrizoate and iohexol in rats, Thomsen HS; Hemmingsen L; Golman K; et al, Acta Radiol 1990; **31:** 613

prophylactic indomethacin for prevention of intraventricular hemorrhage in premature infants, (ab), Bandstra ES; Montalvo BM; Goldberg RN; et al, Radiology 1989; **171:** 887

prophylaxis with indomethacin for heterotopic bone. after open reduction of fractures of the acetabulum, (ab), McLaren AC, Radiology 1990; **176:** 884

use of the indomethacin to prevent the formation of heterotopic bone after total hip replacement, (ab), Schmidt SA; Kjaersgaard-Andersen P; Pedersen NW; et al, Radiology 1989; **170:** 588

water intoxication: a complication of pelvic US in a patient with syndrome of inappropriate antidiuretic hormone secretion, Bhargava R; Lewandowski BJ, Radiology 1991; **180:** 723

Infants

See also Infants, newborn

Infants, cardiovascular system

assessment of ventricular function in infants and children: response to dobutamine infusion, Hurwitz RA; Siddiqui A; Caldwell RL; et al, Clin Nucl Med 1990; **15:** 556

color Doppler imaging of intracranial vessels in the neonate, Wong WS; Tsuruda JS; Liberman RL; et al, AJNR 1989; **10:** 425

colour flow imaging of the great intracranial arteries in infants, Deeg KH, Neuroradiol 1989; **31:** 40

congenital renal arteriovenous malformations in infancy: the imaging features in two infants with hypertension, Macpherson RI; Fyfe D; Aaronson IA, Pediatr Radiol 1991; **21:** 108

coronary angiography of pulmonary atresia, hypoplastic right ventricle, and ventriculocoronary communications, Burrows PE; Freedom RM; Benson LN; et al, AJR 1990; **154:** 789

Dopplersonographic diagnosis of subclavian steal in infants with coarctation of the aorta and interrupted aortic arch, Deeg KH; Singer H, Pediatr Radiol 1989; **19:** 163

duplex-scanning of the deep venous drainage in the evaluation of blood flow velocity of the cerebral vascular system in infants, Winkler P; Helmke K, Pediatr Radiol 1989; **19:** 79

efficacy of intraoperative transesophageal echocardiography in children with congenital heart disease, (ab), Cyran SE; Kimball TR; Meyer RA; et al, Radiology 1989; **173:** 589

extracorporeal membrane oxygenation in infants: angiographic and parenchymal evaluation of the brain with MR imaging, Lewin JS; Masaryk TJ; Modic MT; Ross JS; Stork EK; Wiznitzer M, Radiology 1989; **173:** 361

idiopathic infantile arterial calcification: unusual features, Vera J; Lucaya J; Garcia Conesa JA; et al, Pediatr Radiol 1990; **20:** 585

magnetic resonance imaging of the infant heart at 1.5 T, Smith MA; Baker EJ; Ayton VT; et al, Br J Radiol 1989; **62:** 367

pediatric case of the day, Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT, Radiographics 1990; **10:** 119

systemic artery-pulmonary vein fistula without sequestration, Pernot C; Simon P; Hoeffel JC; et al, Pediatr Radiol 1991; **21:** 158

use of Tc-99m MAA in determining the etiology of increasing cyanosis following SVC-PA anastomosis for the hypoplastic left heart syndrome, Glass T; Heyman S; Seliem M; et al, Clin Nucl Med 1991; **16:** 410

Infants, central nervous system

Canavan disease: CT and MR imaging of the brain, Brismar J; Brismar G; Gascon G; et al, AJNR 1990; **11:** 805

computerized tomography of brain in infantile spasms (West syndrome), Mahdi AH; Yohannan MD; Patel PJ; et al, Pediatr Radiol 1990; **21:** 9

cystic cavernous angioma in an infant: CT features, Nakasu S; Yoshida M; Nakajima M; et al, JCAT 1991; **15:** 163

delayed cerebrospinal fluid sterilization and adverse outcome of bacterial meningitis in infants and children, (ab), Lebel MH; McCracken GH Jr, Radiology 1989; **173:** 296

development of the human cerebellum observed with high-field-strength MR imaging, Stricker T; Martin E; Boesch C, Radiology 1990; **177:** 431

Dopplersonographic classification of brain edema in infants, Deeg KH; Rupprecht T; Zeilinger G, Pediatr Radiol 1990; **20:** 509

evaluation of craniosynostosis with three-dimensional CT imaging, Parisi M; Mehdizadeh HM; Hunter JC; et al, JCAT 1989; **13:** 1006

lenticulostriate vasculopathy in infants with infections of the central nervous system sonographic and Doppler findings, Ben-Ami T; Yousefzadeh DK; Backus M; et al, Pediatr Radiol 1990; **20:** 575

MR imaging of anisotropically restricted diffusion in the brain of neonates and infants, Rutherford MA; Cowan FM; Manzur AY; et al, JCAT 1991; **15:** 188

MR imaging of intracranial hemorrhage in neonates and infants at 2.35 Tesla, Zuerrer M; Martin E; Boltshauser E, Neuroradiol 1991; **33:** 223

MR imaging of spastic diplegia: comparative study between preterm and term infants, Koeda T; Suganuma I; Kohno Y; et al, Neuroradiol 1990; **32:** 187

MR imaging of the various stages of normal myelination during the first year of life, van der Knaap MS; Valk J, Neuroradiol 1990; **31:** 459

periventricular-intraventricular hemorrhage sonographic localization, phenobarbital, and motor abnormalities in low birth weight infants, (ab), Krishnamoorthy KS; Kuban KCK; Leviton A; et al, Radiology 1990; **177:** 895

proton MR spectroscopy of the brain in infants, Peden CJ; Cowan FM; Bryant DJ; et al, JCAT 1990; **14:** 886

transient gyriform brightness on non-contrast enhanced computed tomography (CT) brain scan of seven infants, Close PJ; Carty HM, Pediatr Radiol 1991; **21:** 189

vanishing calcification of the brain in an infant after open heart surgery, Begeer JH; Rutgers AWF; Vencken LM; et al, Neuroradiol 1991; **33:** 374

Infants, endocrine glands

changes in size and sonographic characteristics of the adrenal glands during the first year of life and the sonographic diagnosis of adrenal hyperplasia in infants with 21-hydroxylase deficiency, Menzel D; Hauffa BP, JCU 1990; **18:** 619

normal pituitary gland: changes in shape, size, and signal intensity during the 1st year of life at MR imaging, Cox TD; Elster AD, Radiology 1991; **179:** 721

Infants, eye and orbit

imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; **9:** 1023

Infants, gastrointestinal tract

adrenal hemorrhage after liver transplantation, Bowen A; Keslar PJ; Newman B; Hashida Y, Radiology 1990; **176:** 85

air enema for diagnosis and reduction of intussusception: clinical experience and pressure correlates, Shiels WE II; Maves CK; Hedlund GL; Kirks DR, Radiology 1991; **181:** 169

anorectal sphincter after rectal pull-through surgery for anorectal anomalies: MRI evaluation, Vade A; Reyes H; Wilbur A; et al, Pediatr Radiol 1989; **19:** 179

balloon dilatation of post-surgical ano-rectal strictures in two infants, Wilder WM; Melhem RE, Pediatr Radiol 1989; **19:** 527

barium sulfate absorption and sensitivity, Ahmed A; Hamza HM, Radiology 1989; **172:** 213

barium sulfate absorption and sensitivity, Ramani SK; Ismael AH, Radiology 1990; **174:** 895

barium sulfate absorption and sensitivity: reply, Berdon WE, Radiology 1989; **172:** 213

bowel obstruction in an infant with AIDS, Sivit CJ; Taylor GA; Patterson K; et al, AJR 1990; **154:** 803

case of rectal bleeding in infancy, Leighton DM; Benghanem T; Montagne JP; et al, Australas Radiol 1990; **34:** 89

case report: small bowel histiocytosis-X, Patel BJ; Chippindale AJ; Gupta SC, Clin Radiol 1991; **44:** 62

CT invertograms, Leighton DM; de Campo M, Pediatr Radiol 1989; **19:** 176

gastric emptying in infants and children: limited utility of 1-hour measurement, Gelfand MJ; Wagner GG, Radiology 1991; **178:** 379

gastric inflammatory pseudotumor in children, Maves CK; Johnson JF; Bove K; Malott RL, Radiology 1989; **173:** 381

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine the imaging modality, Finkelstein MS; Mandell GA; Tarbell KV, Radiology 1990; **177:** 759

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Cohen HL; Haller JO, Radiology 1991; **179:** 877

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality: reply, Mandell GA; Finkelstein MS, Radiology 1991; **179:** 878

ileocolic intussusception: extensive reflux of air preceding pneumatic reduction, Hedlund GL; Johnson JF; Strife JL, Radiology 1990; **174:** 187

ileocolic intussusception: new sign on the supine cross-table lateral radiograph, Johnson JF; Woisard KK, Radiology 1989; **170:** 483

imaging of the acute abdomen in infants and children, Franken EA Jr; Kao SCS; Smith WL; et al, AJR 1989; **153:** 921

intussusception: hydrostatic pressure equivalents for barium and meglumine sodium diatrizoate, Kuta AJ; Benator RM, Radiology 1990; **175:** 125

myelomeningocele: a risk factor for necrotizing enterocolitis in term infants, (ab), Costello S; Hellmann J; Lui K, Radiology 1989; **172:** 590

pneumatosis intestinalis in two infants with rotavirus gastroenteritis, Capitanio MA; Greenberg SB, Pediatr Radiol 1991; **21:** 361

radiological treatment of common bile duct lithiasis in infancy, Pariente D; Bernard O; Gauthier F; et al, Pediatr Radiol 1989; **19:** 104

segmental dilatation of the small bowel: report of three cases and literature review, Ratcliffe J; Tait J; Lisle D; Leditschke JF; Bell J, Radiology 1989; **171:** 827

sonographic and Doppler features of infantile hepatic hemangiomas with pathologic correlation, Klein MA; Slovis TL; Chang C-H; et al, J Ultrasound Med 1990; **9:** 619

sonographic detection in necrotizing enterocolitis in infancy, Patel U; Leonidas JC; Furie DM, J Ultrasound Med 1990; **9:** 673

sonographic pitfalls in imaging of the antropyloric region in infants, Swischuk LE; Hayden CK Jr; Stansberry SD, Radiographics 1989; **9:** 437

sonographic recognition of pneumatosis intestinalis and portal gas in an 11-months-old infant—case report, Yip CKY; Ng VK; Man DWK; et al, Australas Radiol 1990; **34:** 169

spontaneous perforation of the common bile duct in children, Haller JO; Condon VR; Berdon WE; Oh KS; Price AP; Bowen A; Cohen HL, Radiology 1989; **172:** 621

spontaneous perforation of the common bile duct in children, Balsam D; Wasserstein GJ, Radiology 1990; **174:** 578

spontaneous resolution of bile-plug syndrome, Lang EV; Pinckney LE, AJR 1991; **156:** 1225

stridor and gastroesophageal reflux in infants, (ab), Nielson DW; Heldt GP; Tooley WH, Radiology 1990; **177:** 895

upper gastrointestinal tract evaluation with radionuclides in infants, Miller JH, Radiology 1991; **178:** 326

US of the gastrointestinal tract, Carroll BA, Radiology 1989; **172:** 605

Infants, genitourinary system

cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441

cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; **177:** 326

densitometric measurement of renal echogenicity in infants and naked eye evaluation: a comparison, Eggert P; Debus F; Kreller-Laugwitz G; et al, Pediatr Radiol 1991; **21:** 111

Doppler examination of the kidney in infants and children, Patriquin H, Urol Radiol 1991; **12:** 220

hydrometrocolpos: diagnosis and follow-up by ultrasound—a case report, Sawhney S; Gupta R; Berry M; et al, Australas Radiol 1990; **34:** 93

postmicturition residual bladder volumes in healthy babies, (ab), Roberts DS; Rendell B, Radiology 1990; **175:** 888

simple renal cysts in children: diagnosis and follow-up with US, McHugh K; Stringer DA; Hebert D; Babiak CA, Radiology 1991; **178:** 383

sonolucent cortical rim in infantile polycystic kidneys: histologic correlation, Currarino G; Stannard MW; Rutledge JC, J Ultrasound Med 1989; **8:** 571

spontaneous extraperitoneal rupture of the urinary bladder in children, Zerin JM; Lebowitz RL, Radiology 1989; **170:** 487

urosepsis in infants with vesicoureteral reflux masquerading as the salt-losing type of congenital adrenal hyperplasia, Vaid YN; Lebowitz RL, Pediatr Radiol 1989; **19:** 548

vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; **175:** 355

Infants, injuries

apical oblique view of the clavicle: its usefulness in neonatal and childhood trauma, Weinberg B; Seife B; Alonso P, Skeletal Radiol 1991; **20:** 201

bone scintigraphy in the evaluation of extraskeletal injuries from child abuse, Howard JL; Barron BJ; Smith GG, Radiographics 1990; **10:** 67

chest injury in children with blunt abdominal trauma: evaluation with CT, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **171:** 815

diagnostic imaging in infant abuse, Kleinman PK, AJR 1990; **155:** 703

esophageal perforation with mediastinal abscess in child abuse, Ablin DS; Reinhart MA, Pediatr Radiol 1990; **20:** 524

extension of growth-plate cartilage into the metaphysis: a sign of healing fracture in abused infants, Kleinman PK; Marks SC Jr; Spevak MR; et al, AJR 1991; **156:** 775

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; **173:** 653

"hole in a rib" as a sign of child abuse, Magid N; Glass T, Pediatr Radiol 1990; **20:** 334

nerve root avulsion of birth palsy: comparison of myelography with CT myelography and somatosensory evoked potential, Hashimoto T; Mitomo M; Hirabuki N; Miura T; Kawai R; Nakamura H; Kawai H; Ono K; Kozuka T, Radiology 1991; **178:** 841

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

normal metaphyseal radiologic variants not to be confused with findings of infant abuse, Kleinman PK; Belanger PL; Karellas A; et al, AJR 1991; **156:** 781

puzzling intrauterine insults, Boothroyd AE; Shaw DG; Fixsen JA, Skeletal Radiol 1989; **18:** 457

shoulder deformities from obstetrical brachial plexus paralysis, Pollock AN; Reed MH, Skeletal Radiol 1989; **18:** 295

sonographic diagnosis of traumatic separation of the proximal femoral epiphysis in the neonate, Diaz MJ; Hedlund GI, Pediatr Radiol 1991; **21:** 238

variations in acromial ossification simulating infant abuse in victims of sudden infant death syndrome, Kleinman PK; Spevak MR, Radiology 1991; **180:** 185

visceral injury in battered children: a changing perspective, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **173:** 659

Infants, newborn

cerebellar dimensions in assessment of gestational age in neonates, Co E; Raju TNK; Aldana O, Radiology 1991; **181:** 581

cranial ultrasound assessment of gestational age in low birthweight infants, (ab), Murphy NP; Rennie J; Cooke RWI, Radiology 1990; **175:** 591

^{1}H NMR studies of urine from premature and sick babies, Brown JCC; Mills GA; Sadler PJ; et al, Magn Res Med 1989; **11:** 193

NOMID—a neonatal syndrome of multisystem inflammation, Torbiak RP; Dent PB; Cockshott WP, Skeletal Radiol 1989; **18:** 359

puzzling intrauterine insults, Boothroyd AE; Shaw DG; Fixsen JA, Skeletal Radiol 1989; **18:** 457

urinary oxalate excretion by very low birth weight infants receiving parenteral nutrition, (ab), Campfield T; Braden G, Radiology 1990; **175:** 887

Infants, newborn, cardiovascular system

abnormal renal and splanchnic arterial Doppler pattern in premature babies with symptomatic patent ductus arteriosus, Wong S-N; Lo RN-S; Hui P-W, J Ultrasound Med 1990; **9:** 125

absolute intracranial blood-flow velocities evaluated by duplex Doppler sonography in asymptomatic preterm and term neonates, Horgan JG; Rumack CM; Hay T; et al, AJR 1989; **152:** 1059

acceleration time in cerebral arteries of preterm and term infants, van de Bor M; Walther FJ; Sims ME, JCU 1990; **18:** 167

acquired neuropathologic lesions associated with the hypoplastic left heart syndrome, (ab), Glauser TA; Rorke LB; Weinberg PM; et al, Radiology 1990; **177:** 895

aortic thrombosis after umbilical artery catheterization in neonates: prevalence of complications on long-term follow-up, Seibert JJ; Northington FJ; Miers JF; et al, AJR 1991; **156:** 567

asymmetrical pulmonary changes in premature infants with surgical closure of a persistent ductus arteriosus, Steinberg JDJ; Oetomo SB; Martijn A, Br J Radiol 1990; **63:** 22

axillary artery counter-current aortography in the newborn with aortic arch obstruction, Lau KC; Lo RNS; Leung MP, Pediatr Radiol 1989; **19:** 516

blood pressure increases, birth weight-dependent stability boundary, and intraventricular hemorrhage, (ab), Perry EH; Bada HS; Ray JD; et al, Radiology 1990; **177:** 599

brain abnormalities in infants on extracorporeal membrane oxygenation: sonographic and CT findings, Babcock DS; Han BK; Weiss RG; et al, AJR 1989; **153:** 571

cardiac determinants of cerebral blood flow during extracorporeal membrane oxygenation, Taylor GA; Martin GR; Short BL, Invest Radiol 1989; **24:** 511

case of bilateral gastric bronchopulmonary-foregut malformation, Pan G; Singleton E; Nihill M; et al, Pediatr Radiol 1989; **19:** 463

cerebral blood flow in newborn infants with and without mechanical ventilation, Vergesslich KA; Weninger M; Ponhold W; et al, Pediatr Radiol 1989; **19:** 509

cerebral blood flow velocity changes in preterm infants after a single dose of indomethacin: duration of its effect, (ab), Van Bel F; van de Bor M; Stijnen T; et al, Radiology 1990; **175:** 887

cerebrovascular accidents in neonates treated with extracorporeal membrane oxygenation: sonographic-pathologic correlation, Taylor GA; Fitz CR; Kapur S; et al, AJR 1989; **153:** 355

circle of Willis blood velocity and flow direction after common carotid artery ligation for neonatal extracorporeal membrane oxygenation, (ab), Raju TNK; Kim SY; Meller JL; et al, Radiology 1989; **173:** 588

cranial arteriovenous malformations in neonates: color Doppler imaging with angiographic correlation, Tessler FN; Dion J; Viñuela F; et al, AJR 1989; **153:** 1027

CT of cerebrovascular injury after neonatal extracorporeal membrane oxygenation: implications for neurodevelopmental outcome, Taylor GA; Fitz CR; Glass P; et al, AJR 1989; **153:** 121

Doppler analysis of superior mesenteric artery blood flow in preterm infants, (ab), Leidig E, Radiology 1990; **175:** 591

Doppler ultrasound studies in renal arteries of normal newborn babies, Lamont AC; Hall HS; Thompson JR; et al, Br J Radiol 1991; **64:** 413

evaluation of umbilical catheter and tube placement in premature infants, Das Narla L; Hom M; Lofland GK; Moskowitz WB, Radiographics 1991; **11:** 849

extracorporeal membrane oxygenation in infants: angiographic and parenchymal evaluation of the brain with MR imaging, Lewin JS; Masaryk TJ; Modic MT; Ross JS; Stork EK; Wiznitzer M, Radiology 1989; **173:** 361

extracorporeal membrane oxygenation treatment of neonatal respiratory failure, (ab), Foglia RP; Bjerke HS; Kelly RE Jr; et al, Radiology 1991; **179:** 296

hypoplastic left heart syndrome: natural history in a geographically defined population, (ab), Morris CD; Outcalt J; Menashe VD, Radiology 1990; **177:** 895

increased cerebral blood flow velocity in infants of mothers who abuse cocaine, (ab), van de Bor M; Walther FJ; Sims ME, Radiology 1990; **177:** 599

intraventricular hemorrhage in preterm infants: declining incidence in the 1980s, (ab), Philip AGS; Allan WC; Tito AM; et al, Radiology 1990; **175:** 887

magnetic resonance imaging in congenital heart disease of newborns: preliminary results in 23 patients, Kastler B; Livolsi A; Germain P; et al, Eur J Radiol 1990; **10:** 109

neonatal aortic thrombosis treated with intra-arterial urokinase therapy, Goldberg REA; Cohen AM; Bryan PJ; et al, J Canad Assoc Radiol 1989; **40:** 55

neonatal cerebral venous flow velocity measurement using a color flow Doppler system, Fenton AC; Papathoma E; Evans DH; et al, JCU 1991; **19:** 69

neonatal renal venous thrombosis: sequential ultrasonic appearances, Cremin BJ; Davey H; Oleszczuk-Raszke K, Clin Radiol 1991; **44:** 52

neurologic complications of captopril treatment of neonatal hypertension, (ab), Perlman JM; Volpe JJ, Radiology 1989; **172:** 887

pediatric case of the day, Braverman RM; Lipshultz SE; McCarten KM; Griscom NT, Radiographics 1991; **11:** 932

peripheral cerebral arteriovenous malformation in an infant: assessment by transcranial color flow mapping, Vaksmann G; Jardin M; Mauran P; et al, JCU 1990; **18:** 215

posterior fossa intracranial hemorrhage in infants treated with extracorporeal membrane oxygenation: sonographic findings, Bulas DI; Taylor GA; Fitz CR; et al, AJR 1991; **156:** 571

potential role of MR imaging in the diagnostic management of Ebstein anomaly in a newborn, Kastler B; Livolsi A; Zhu H; et al, JCAT 1990; **14:** 825

prenatal cocaine exposure and fetal vascular disruption, (ab), Hoyme HE; Jones KL; Dixon SD; et al, Radiology 1990; **177:** 599

pulsed Doppler sonographic measurement of normal values for the flow velocities in the intracranial arteries of healthy newborns, Deeg KH; Rupprecht T, Pediatr Radiol 1989; **19:** 71

repeatability of Doppler ultrasound measurement of blood flow velocity and its variability in the supraclinoid segment of the internal carotid artery in preterm newborns, Mullaart RA; Hopman JCW; Daniels O; et al, Ultrasound Med Biol 1989; **15:** 545

right carotid artery ligation in neonates: classification of collateral flow with color Doppler imaging, Mitchell DG; Merton DA; Graziani LJ; Desai HJ; Desai SA; Wolfson PJ; Gross GW, Radiology 1990; **175:** 117

right common carotid artery ligation for extracorporeal membrane oxygenation: cerebral blood flow velocity measurement with Doppler duplex US, Matsumoto JS; Babcock DS; Brody AS; Weiss RG; Ryckman FG; Hiyama D, Radiology 1990; 175: 757

thrombus calcification of renal vein in neonate: ultrasound and CT diagnosis, Starinsky R; Graif M; Lotan D; et al, JCAT 1989; 13: 545

transfontanelle pulsed Doppler measurement of blood flow velocity in the internal jugular vein, straight sinus, and internal cerebral vein in preterm and term neonates, Pfannschmidt J; Jorch G, Ultrasound Med Biol 1989; 15: 9

value of Doppler sonography in the detection of major vessel thrombosis in the neonatal abdomen, Stringer DA; Krysl J; Manson D; et al, Pediatr Radiol 1990; 21: 30

Infants, newborn, central nervous system

brain damage from perinatal asphyxia: correlation of MR findings with gestational age, Barkovich AJ; Truwit CL, AJNR 1990; 11: 1087

brain single photon emission computed tomography in neonates, Denays R; Van Pachterbeke T; Tondeur M; et al, J Nucl Med 1989; 30: 1337

brain swelling in the asphyxiated term newborn: pathogenesis and outcome, (ab), Lupton BA; Hill A; Roland EH; et al, Radiology 1989; 170: 903

cerebral ultrasound images in prenatal cytomegalovirus infection, Tomà P; Magnano GM; Mezzano P; et al, Neuroradiol 1989; 31: 278

cervical spinal cord injury after traumatic breech delivery, Castillo M; Quencer RM; Green BA, AJNR 1989; 10: S99

CT and MR studies of methylmalonic acidemia, Andreula CF; De Blasi R; Carella A, AJNR 1991; 12: 410

CT diagnosis of neonatal subarachnoid hemorrhage, Govaert P; Van De Velde E; Vanhaesebrouck P; et al, Pediatr Radiol 1990; 20: 139

current concepts of brain injury in the premature infant, Volpe JJ, AJR 1989; 153: 243

development of the human cerebellum observed with high-field-strength MR imaging, Stricker T; Martin E; Boesch C, Radiology 1990; 177: 431

early detection of delayed myelination in preterm infants, (ab), Bor MV; Guit GL; Schreuder AM; et al, Radiology 1990; 174: 903

extradural hematoma in neonates, Lam A; Cruz GB; Johnson I, J Ultrasound Med 1991; 10: 205

frontal periventricular cysts on the first day of life: a one-year clinical follow-up and its significance, Sudakoff GS; Mitchell DG; Stanley C; et al, J Ultrasound Med 1991; 10: 25

interhemispheric fissure width in neonates in ECMO, Rubin DA; Gross GW; Ehrlich SM; et al, Pediatr Radiol 1990; 21: 12

intraspinal extension of paraspinal masses in infants: detection by sonography, Garcia CJ; Keller MS, Pediatr Radiol 1990; 20: 437

in vivo ^{31}P nuclear magnetic resonance measurement of chronic changes in cerebral metabolites following neonatal intraventricular hemorrhage, (ab), Younkin D; Medoff-Cooper B; Guillet R; et al, Radiology 1989; 171: 591

linear areas of echogenicity in the thalami and basal ganglia of neonates: an expanded association: work in progress, Hughes P; Weinberger E; Shaw DWW, Radiology 1991; 179: 103

MR of hydranencephaly, Poe LB; Coleman LL, AJNR 1989; 10: S61

neonatal bilateral diaphragmatic paralysis caused by brain stem haemorrhage, (ab), Blazer S; Hemli JA; Sujov PO; et al, Radiology 1989; 172: 887

neonatal posterior fossa haemorrhage: a difficult ultrasound diagnosis, de Campo M, Australas Radiol 1989; 33: 150

neonatal tuberous sclerosis: magnetic resonance apearance of subependymal tubers, Dawson KL; Moore SG; Ariagno RL, Australas Radiol 1990; 34: 247

neonatal tuberous sclerosis: US, CT, and MR diagnosis of brain and cardiac lesions, Christophe C; Bartholome J; Blum D; et al, Pediatr Radiol 1989; 19: 446

neurodevelopmental performance of very-low-birth-weight infants with mild periventricular, intraventricular hemorrhage: outcome at 5 to 6 years of age, (ab), Lowe J; Papile LA, Radiology 1991; 181: 295

noncystic "increased" periventricular echogenicity and other mild cranial sonographic abnormalities: predictors of outcome in low birth weight infants, Goldstein RB; Filly RA; Hecht S; et al, JCU 1989; 17: 553

periventricular echodensities detected by cranial ultrasonography: usefulness in predicting neurodevelopmental outcome in low-birth-weight, preterm infants, (ab), Bennett FC; Silver G; Leung EJ; et al, Radiology 1990; 176: 885

prediction of neurodevelopmental outcome in the preterm infant: MR-staged myelination compared with cranial US, Guit GL; van de Bor M; den Ouden L; Wondergem JHM, Radiology 1990; 175: 107

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US, Algra PR; Barkhof F; Valk J, Radiology 1990; 177: 885

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US: reply, Guit GL; van de Bor M, Radiology 1990; 177: 885

prophylactic indomethacin for prevention of intraventricular hemorrhage in premature infants, (ab), Bandstra ES; Montalvo BM; Goldberg RN; et al, Radiology 1989; 171: 887

prospective observations of 100 high-risk neonates by high-field (1.5 Tesla) magnetic resonance imaging of the center nervous system. I. intraventricular and extracerebral lesions. II. lesions associated with hypoxic-ischemic encephalopathy, (ab), Keeney SE; Adcock EW; McArdle CB, Radiology 1991; 181: 615

quantification of neonatal cerebral ventricular volume by real-time ultrasonography: derivation and in vitro confirmation of a mathematical model, Brann BS IV; Wofsy C; Wicks J; et al, J Ultrasound Med 1990; 9: 1

quantification of neonatal cerebral ventricular volume by real-time ultrasonography: in vivo validation of the cylindrical coordinate method, Brann BS IV; Wofsy C; Papile L; et al, J Ultrasound Med 1990; 9: 9

rare subependymal giant-cell astrocytoma in a neonate with tuberous sclerosis, Tien RD; Hesselink JR; Duberg A, AJNR 1990; 11: 1251

screening spinal ultrasound in newborns with neural tube defects, Glasier CM; Chadduck WM; Leithiser RE Jr; et al, J Ultrasound Med 1990; 9: 339

sonographic finding of ventricular asymmetry in neonatal brain, (ab), Shen EY; Huang FY, Radiology 1990; 175: 591

sonography of intracranial air in a newborn with meningomyelocele, Kao SCS; Brown BP; Goedken J, Pediatr Radiol 1991; 21: 375

spatially localized magnetic resonance spectroscopy of the brains of normal and asphyxiated newborns, (ab), Moorcraft J; Bolas NM; Ives NK; et al, Radiology 1991; 181: 615

Tc-99m HMPAO SPECT of the brain in the neonate, Fockele DS; Baumann RJ; Shih W-J; et al, Clin Nucl Med 1990; 15: 175

technical note: sonography through the posterior fontanelle in diagnosing neonatal intraventricular hemorrhage, Anderson N; Fulton J, AJNR 1991; 12: 368

tentorial hemorrhage associated with vacuum extraction, (ab), Hanigan WC; Morgan AM; Stahlberg LK; et al, Radiology 1990; 177: 295

thalamic hemorrhage with intraventricular hemorrhage in the full-term newborn, (ab), Roland EH; Flodmark O; Hill A, Radiology 1990; 177: 599

unusual encephaloclastic lesions with paraventricular calcification in congenital rubella, Parisot S; Droulle P; Feldmann M; et al, Pediatr Radiol 1991; 21: 229

US of the neonatal head, (ab), Slovis TL, Radiology 1991; 178: 592

variations in the in vivo P-31 MR spectra of the developing human brain during postnatal life: work in progress, Boesch C; Gruetter R; Martin E; Duc G; Wüthrich K, Radiology 1989; 172: 197

Infants, newborn, endocrine glands

changes in size and sonographic characteristics of the adrenal glands during the first year of life and the sonographic diagnosis of adrenal hyperplasia in infants with 21-hydroxylase deficiency, Menzel D; Hauffa BP, JCU 1990; 18: 619

goitrous cretinism manifesting as newborn stridor: CT evaluation, Optican RJ; White KS; Effmann EL, AJR 1991; 157: 557

serial adrenal ultrasonography in normal neonates, Scott EM; Thomas A; McGarrigle HHG; et al, J Ultrasound Med 1990; 9: 279

Infants, newborn, eye and orbit

congenital nasolacrimal mucoceles: CT evaluation, Rand PK; Ball WS Jr; Kulwin DR, Radiology 1989; 173: 691

Infants, newborn, gastrointestinal tract

atretic esophagus: transgastric balloon-assisted hydrostatic dilation, Kleinman PK; Waite RJ; Cohen IT; Hirsh MP; Belanger PL, Radiology 1989; 171: 831

blood flow in the superior mesenteric artery: estimation with Doppler US, Taylor GA, Radiology 1990; 174: 15

calcification of the ductus venosus: a cause of right upper quadrant calcification in the newborn, Rizzo AJ; Haller JO; Mulvihill DM; Cohen HL; Da Silva MG, Radiology 1989; 173: 89

case of bilateral gastric bronchopulmonary-foregut malformation, Pan G; Singleton E; Nihill M; et al, Pediatr Radiol 1989; 19: 463

changing patterns of treatment and survival in neonates with meconium ileus, (ab), Rescorla FJ; Grosfeld JL; West KJ; et al, Radiology 1990; 174: 295

choledochal cyst and biliary atresia in the neonate: imaging findings in five cases, Torrisi JM; Haller JO; Velcek FT, AJR 1990; 155: 1273

cholelithiasis in a six-week-old asymptomatic neonate, Wagner LD; Weinberg B; Morrissey WJ; et al, JCU 1989; 17: 692

coexisting nephrolithiasis and cholelithiasis in premature infants, Blickman JG; Herrin JT; Cleveland RH; et al, Pediatr Radiol 1991; 21: 363

diagnostic quality of portable abdominal radiographs in neonates with necrotizing enterocolitis: digitized vs nondigitized images, Gross GW; Ehrlich SM; Wang Y, AJR 1990; 154: 779

empty rectum on plain x-ray. does it have any significance in the neonate?, Bradley MJ; Pilling D, Clin Radiol 1991; 43: 265

extensive short-bowel syndrome in neonates: outcome in the 1980s, (ab), Caniano DA; Starr J; Ginn-Pease ME, Radiology 1989; 173: 295

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine the imaging modality, Finkelstein MS; Mandell GA; Tarbell KV, Radiology 1990; 177: 759

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Cohen HL; Haller JO, Radiology 1991; 179: 877

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality: reply, Mandell GA; Finkelstein MS, Radiology 1991; 179: 878

infarction of the left hepatic lobe in a neonate on serial CTs: evolution of a pseudomass to atrophy, Haaga JR; Morrison SC; County J; et al, Pediatr Radiol 1991; 21: 150

is it calcification of the ductus venosus or calcification of the umbilical vein?, Lafortune M, Radiology 1990; 176: 290

is it calcification of the ductus venosus or calcification of the ligamentum teres?, Abu-Yousef MM, Radiology 1990; 176: 291

is it calcification of the ductus venosus or calcification of the ligamentum teres?: reply, Rizzo AJ; Haller JO, Radiology 1990; 176: 291

multiple gastrointestinal atresias: sonography of associated biliary abnormalities, McHugh K; Daneman A, Pediatr Radiol 1991; 21: 355

neonatal necrotizing enterocolitis: air in Morison pouch, Brill PW; Olson SR; Winchester P, Radiology 1990; 174: 469

pancreatic echogenicity in premature and newborn infants, Walsh E; Cramer B; Pushpanathan C, Pediatr Radiol 1990; 20: 323

pyloric stenosis in the sick premature infant: clinical and radiological findings, (ab), Tack ED; Perlman JM; Bower RJ; et al, Radiology 1989; 170: 295

radiological feature to assist in the diagnosis of intestinal obstruction, Walker J; Carty H, Br J Radiol 1989; 62: 1105

segmental dilatation of the small bowel: report of three cases and literature review, Ratcliffe J; Tait J; Lisle D; Leditschke JF; Bell J, Radiology 1989; 171: 827

spontaneous focal gastrointestinal perforation in very low birth weight infants, (ab), Aschner JL; Deluga KS; Metlay LA; et al, Radiology 1989; 171: 888

superior mesenteric artery blood flow velocity and estimated volume flow: duplex Doppler US study of preterm and term neonates, Van Bel F; Van Zwieten PHT; Guit GL; Schipper J, Radiology 1990; 174: 165

unsuspected hepatic injury in the neonate-diagnosis by ultrasonography, Share JC; Pursley D; Teele RL, Pediatr Radiol 1990; 20: 320

US of the gastrointestinal tract, Carroll BA, Radiology 1989; 172: 605

Infants, newborn, genitourinary system

assessment of sonography in the diagnosis and management of neonatal renal candidiasis, Berman LH; Stringer DA; St. Onge O; et al, Clin Radiol 1989; 40: 577

coexisting nephrolithiasis and cholelithiasis in premature infants, Blickman JG; Herrin JT; Cleveland RH; et al, Pediatr Radiol 1991; 21: 363

diagnostic cyst puncture of multicystic kidney in neonates, Kullendorff CM; Salmonson EC; Laurin S, Acta Radiol 1990; 31: 287

flank mass in a newborn, Kountz PD; Siegel MJ; Shapiro E, Urol Radiol 1989; 11: 61

glomerulocystic kidney disease: case report, Cachero S; Montgomery P; Seidel FG; et al, Pediatr Radiol 1990; 20: 491

hyperechoic renal medullary pyramids in infants and children, Hernanz-Schulman M, Radiology 1991; 181: 9

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; 181: 163

imaging of neonatal renal masses, Fernbach SK, Urol Radiol 1991; 12: 214

Laurence–Moon–Biedl syndrome: renal ultrasound appearances in the neonate, Garber SJ; de Bruyn R, Br J Radiol 1991; 64: 631

neonatal cystic testicular gonadoblastoma: sonographic and pathologic findings, Luisiri A; Vogler C; Steinhardt G; et al, J Ultrasound Med 1991; 10: 59

neonatal hydronephrosis due to primary vesicoureteral reflux: trends in diagnosis and treatment, Paltiel HJ; Lebowitz RL, Radiology 1989; 170: 787

neonatal ovarian cysts: therapeutic dilemma, (ab), Widdowson DJ; Pilling DW; Cook RCM, Radiology 1989; 170: 590

obstructed uterovaginal anomalies: demonstration with sonography: part I. neonates and infants, Blask ARN; Sanders RC; Gearhart JP, Radiology 1991; 179: 79

pediatric gynecologic sonography, Siegel MJ, Radiology 1991; 179: 593

percutaneous nephrostogram in the newborn with bilateral renal cystic disease, (ab), Blane CE; DiPietro MA; Bloom DA; et al, Radiology 1989; 172: 295

sonographic diagnosis of enlarged prostatic utricle, Gregg DC; Sty JR, J Ultrasound Med 1989; 8: 51

testicular infarction in the newborn: ultrasound findings, Zerin JM; DiPietro MA; Grignon A; et al, Pediatr Radiol 1990; 20: 329

transient acute tubular dysfunction in the newborn: CT findings, McLaughlin MG; Swayne LC; Rubenstein JB; et al, Pediatr Radiol 1990; 20: 363

transitional hydronephrosis of the newborn and infant, (ab), Homsy YL; Saad F; Laberge I; et al, Radiology 1991; 178: 591

ultrasound assessment of renal cortical brightness in infants: is naked eye evaluation reliable?, Lamont AC; Graebe AC; Pelmore JM; et al, Invest Radiol 1990; 25: 250

urethral abnormalities in male neonates with VATER association, Fernbach SK, AJR 1991; 156: 137

urinary tract infections in febrile infants younger than 8 weeks of age, (ab), Crain EF; Gershel JC, Radiology 1991; 178: 900

what's new in pediatric uroradiology, Preston A; Lebowitz RL, Urol Radiol 1989; 11: 217

Infants, newborn, respiratory system

abnormal pulmonary outcomes in premature infants: prediction from oxygen requirement in the neonatal period, (ab), Shennan AT; Dunn MS; Ohlsson A; et al, Radiology 1989; 171: 888

air embolism with survival in a neonate, Savani RC; Merten DF; Brazy JE, Pediatr Radiol 1990; 20: 480

bovine surfactant replacement therapy in neonates of less than 30 weeks' gestation: a randomized controlled trial of prophylaxis versus treatment, (ab), Dunn MS; Shennan AT; Zayack D; et al, Radiology 1991; 181: 615

brain abnormalities in infants on extracorporeal membrane oxygenation: sonographic and CT findings, Babcock DS; Han BK; Weiss RG; et al, AJR 1989; 153: 571

bronchopulmonary dysplasia: radiographic appearance in middle childhood, Griscom NT; Wheeler WB; Sweezey NB; Kim YC; Lindsey JC; Wohl MEB, Radiology 1989; 171: 811

cardiac determinants of cerebral blood flow during extracorporeal membrane oxygenation, Taylor GA; Martin GR; Short BL, Invest Radiol 1989; 24: 511

case of the month: radio-opaque hemithorax in a neonate, Creagh MF; MacDonald LM; Garvie DC, Br J Radiol 1989; 62: 951

cerebral blood flow in newborn infants with and without mechanical ventilation, Vergesslich KA; Weninger M; Ponhold W; et al, Pediatr Radiol 1989; 19: 509

cerebrovascular accidents in neonates treated with extracorporeal membrane oxygenation: sonographic-pathologic correlation, Taylor GA; Fitz CR; Kapur S; et al, AJR 1989; 153: 355

changing pattern of chronic lung disease of prematurity, (ab), Hyde I; English RE; Williams JD, Radiology 1990; 175: 591

circle of Willis blood velocity and flow direction after common carotid artery ligation for neonatal extracorporeal membrane oxygenation, (ab), Raju TNK; Kim SY; Meller JL; et al, Radiology 1989; 173: 588

comparison of surfactant as immediate prophylaxis and as rescue therapy in newborns of less than 30 weeks' gestation, (ab), Kendig JW; Notter RH; Cox C; et al, Radiology 1991; 181: 615

CT of cerebrovascular injury after neonatal extracorporeal membrane oxygenation: implications for neurodevelopmental outcome, Taylor GA; Fitz CR; Glass P; et al, AJR 1989; 153: 121

determination of functional residual capacity from digital radiographs of the normal neonatal chest: studies in a rabbit model, White KS; Muelenaer AA Jr; Beam CA; et al, AJR 1991; 156: 1209

development and validation of an index for scoring baseline respiratory disease in the very low birth weight neonate, (ab), Palta M; Gabbert D; Fryback D; et al, Radiology 1991; 179: 592

dexamethasone effects on the hospital course of infants with bronchopulmonary dysplasia who are dependent on artificial ventilation, (ab), Kazzi NJ; Brans YW; Poland RL, Radiology 1991; 179: 592

different high-frequency ventilator strategies: effect on the propagation of tracheobronchial histopathologic changes, (ab), Wiswell TE; Bley JA; Turner BS; et al, Radiology 1990; 176: 592

echocardiographic assessment of cardiac function during respiratory syncytial virus infection, (ab), Pahl E; Gidding SS, Radiology 1989; 170: 591

extracorporeal membrane oxygenation treatment of neonatal respiratory failure, (ab), Foglia RP; Bjerke HS; Kelly RE Jr; et al, Radiology 1991; 179: 296

extralobar pulmonary sequestration presenting as intractable pleural effusion, Vade A; Kramer L, Pediatr Radiol 1989; 19: 333

findings on chest radiographs after prophylactic pulmonary surfactant treatment of premature infants, Clarke EA; Siegle RL; Gong AK, AJR 1989; 153: 799

from the archives of the AFIP: congenital cystic adenomatoid malformation, Rosado-de-Christenson ML; Stocker JT, Radiographics 1991; 11: 865

hyaline membrane disease in the newborn: diagnosis by ultrasound, Avni EF; Braude P; Pardou A; et al, Pediatr Radiol 1990; 20: 143

imaging of neonatal pulmonary sequestration including Doppler ultrasound, Smart LM; Hendry GMA, Br J Radiol 1991; 64: 324

infantile lobar emphysema in association with congenital heart disease, Gordon I; Dempsey JE, Clin Radiol 1990; 41: 48

interhemispheric fissure width in neonates in ECMO, Rubin DA; Gross GW; Ehrlich SM; et al, Pediatr Radiol 1990; 21: 12

long-term pulmonary sequelae of meconium aspiration syndrome, (ab), Swaminathan S; Quinn J; Stabile MW; et al, Radiology 1990; 176: 296

lung disease in the very immature neonate: radiographic and microscopic correlation, Wood BP; Davitt MA; Metlay LA, Pediatr Radiol 1989; 20: 33

maternal glucocorticoid therapy and reduced risk of bronchopulmonary dysplasia, (ab), Van Marter LJ; Leviton A; Kuban KCK; et al, Radiology 1991; 178: 900

meconium aspiration syndrome: have we made a difference?, (ab), Wiswell TE; Tuggle JM; Turner BS, Radiology 1990; 177: 598

movement disorder of premature infants with severe bronchopulmonary dysplasia: a new syndrome, (ab), Perlman JM; Volpe JJ, Radiology 1990; 174: 294

neonatal pneumopericardium with high-frequency ventilation, (ab), Neal RC; Beck DE; Smith VC; et al, Radiology 1989; 173: 588

posterior fossa intracranial hemorrhage in infants treated with extracorporeal membrane oxygenation: sonographic findings, Bulas DI; Taylor GA; Fitz CR; et al, AJR 1991; 156: 571

predicting risk for bronchopulmonary dysplasia: selection criteria for clinical trials, (ab), Sinkin RA; Cox C; Phelps DL, Radiology 1991; 179: 592

primary alveolar capillary dysplasia, Newman B; Yunis E, Pediatr Radiol 1990; 21: 20

pulmonary function tests and fluid balance in neonates with chronic lung disease during dexamethasone treatment, (ab), Gladstone IM; Ehrenkranz RA; Jacobs HC, Radiology 1990; 175: 887

pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax, Hernanz-Schulman M; Stein SM; Neblett WW; Atkinson JB; Kirchner SG; Heller RM; Merrill WH; Fleischer AC, Radiology 1991; 180: 817

pulmonary sequestration-like anomaly presenting as a spontaneously resolving mass, Sintzoff SA Jr; Avni EF; Rocmans P; et al, Pediatr Radiol 1991; 21: 143

radiologic and histologic investigation of pulmonary oxygen toxicity in newborn guinea pigs, Northway WH Jr; Rosan RC; Shahinian L Jr; et al, Invest Radiol 1990; 25: 373

right carotid artery ligation in neonates: classification of collateral flow with color Doppler imaging, Mitchell DG; Merton DA; Graziani LJ; Desai HJ; Desai SA; Wolfson PJ; Gross GW, Radiology 1990; 175: 117

right common carotid artery ligation for extracorporeal membrane oxygenation: cerebral blood flow velocity measurement with Doppler duplex US, Matsumoto JS; Babcock DS; Brody AS; Weiss RG; Ryckman FG; Hiyama D, Radiology 1990; **175:** 757

symptomatic external laryngocele in a newborn: findings on plain radiographs and CT scans, Lewis CA; Castillo M; Patrick E; et al, AJNR 1990; **11:** 1002

term infant with progressive tachypnea, Ikeda DM; Caron KH; Faison JD, Invest Radiol 1990; **25:** 79

tracheal stenosis in the sick premature infant: clinical and radiological features, (ab), Hauft SM; Perlman JM; Siegel MJ; et al, Radiology 1989; **170:** 294

urinoma drainage for neonatal respiratory insufficiency, Hoffer FA; Winters WD; Retik AB; et al, Pediatr Radiol 1990; **20:** 270

use of computed radiography in respiratory distress syndrome in the neonatal nursery, Nakano Y; Odagiri K, Pediatr Radiol 1989; **19:** 167

Infants, newborn, skeletal system

are preterm infants at risk for subsequent fractures?, (ab), Dahlenburg SL; Bishop NJ; Lucas A, Radiology 1990; **175:** 888

calcification of the nucleus pulposus with pathologic confirmation in a premature infant, Ho PSP; Ho K-C; Yu S; et al, AJNR 1989; **10:** 201

epiphyseal marrow in infancy: MR imaging, Jaramillo D; Laor T; Hoffer FA; Zaleske DJ; Cleveland RH; Buchbinder BR; Egglin TK, Radiology 1991; **180:** 809

hand-foot-genital syndrome: the importance of hallux varus, Cleveland RH; Holmes LB, Pediatr Radiol 1990; **20:** 339

hypermagnesemia: a cause of abnormal metaphyses in the neonate, Cumming WA; Thomas VJ, AJR 1989; **152:** 1071

neonatal radiological aspect of enchondromatosis (Ollier's disease), Raupp P; Kemperdick H, Pediatr Radiol 1990; **20:** 337

periosteal reaction of the ribs in a newborn infant, Morrison SC; Margraf LR, Invest Radiol 1991; **26:** 279

short-limb skeletal dysplasias: evaluation of the fetal spine with sonography and radiography, Rouse GA; Filly RA; Toomey F; Grube GL, Radiology 1990; **174:** 177

sonographic diagnosis of traumatic separation of the proximal femoral epiphysis in the neonate, Diaz MJ; Hedlund GI, Pediatr Radiol 1991; **21:** 238

stippled epiphyses in fetal alcohol syndrome, Leicher-Düber A; Schumacher R; Spranger J, Pediatr Radiol 1990; **20:** 369

thin ribs, thin tubular bones, abnormal facies and intrauterine growth retardation: a lethal syndrome, Sharma BK; Kapoor R; Ramji S; et al, Br J Radiol 1990; **63:** 654

ultrasonography of the hip in preterm neonates, Bick U; Müller-Leisse C; Tröger J, Pediatr Radiol 1990; **20:** 331

ultrasound appearance of the hip joint in newborns during the first week of life, Sośnierz A; Karel M; Maj S; et al, JCU 1991; **19:** 271

usefulness of a short femur in the in utero detection of skeletal dysplasias, Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB, Radiology 1990; **177:** 197

Infants, premature

See Infants, newborn

Infants, respiratory system

bronchopulmonary dysplasia: a radiographic and clinical review of 20 patients, Fitzgerald P; Donoghue V; Gorman W, Br J Radiol 1990; **63:** 444

coronary angiography of pulmonary atresia, hypoplastic right ventricle, and ventriculocoronary communications, Burrows PE; Freedom RM; Benson LN; et al, AJR 1990; **154:** 789

dynamic imaging of pulmonary ventilation in children using digital subtraction radiography, Svedström EJ; Kiuru A; Puhakka HJ, Acta Radiol 1990; **31:** 53

large airway collapse in bronchopulmonary dysplasia, (ab), McCubbin M; Frey EE; Wagener JS; et al, Radiology 1990; **176:** 592

lipoid pneumonia in infants: a radiological-pathological study, Hugosson CO; Riff EJ; Moore CCM; et al, Pediatr Radiol 1991; **21:** 193

malignant neoplasms arising in cystic hamartomas of the lung in childhood, Hedlund GL; Bisset GS III; Bove KE, Radiology 1989; **173:** 77

metastatic pulmonary calcifications after cardiac surgery in children, Mani TM; Lallemand D; Corone S; Mauriat P, Radiology 1990; **174:** 463

MR imaging in pediatric airway obstruction, Vogl TJ; Wilimzig C; Bilaniuk LT; et al, JCAT 1990; **14:** 182

neck and body position effects on pulmonary mechanisms in infants, (ab), Carlo WA; Beoglos A; Siner BS; et al, Radiology 1990; **175:** 294

potentially of early chest roentgen examination in ventilator treated newborn infants to predict future lung function and disease, Mortensson W; Andréasson B; Lindroth M; et al, Pediatr Radiol 1989; **20:** 41

pulmonary blastoma: a rare childhood malignancy, Senac MO Jr; Wood BP; Isaacs H; Weller M, Radiology 1991; **179:** 743

stridor and gastroesophageal reflux in infants, (ab), Nielson DW; Heldt GP; Tooley WH, Radiology 1990; **177:** 895

systemic air embolism: a complication of ventilator therapy in hyaline membrane disease, Lau KY; Lam PKL, Clin Radiol 1991; **43:** 16

Infants, skeletal system

advanced pediatric joint imaging, Kleinman PK; Spevak MR, Radiol Clin North Am 1990; **28:** 1073

bone mass in healthy children: measurement with quantitative DXA, Southard RN; Morris JD; Mahan JD; Hayes JR; Torch MA; Sommer A; Zipf WB, Radiology 1991; **179:** 735

craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 669

craniosynostosis: image quality, confidence, and correctness in diagnosis, Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 675

developing spinal column: gadolinium-enhanced MR imaging, Sze G; Bravo S; Baierl P; Shimkin PM, Radiology 1991; **180:** 497

evolution of the infant spinal column: evaluation with MR imaging, Sze G; Baierl P; Bravo S, Radiology 1991; **181:** 819

marrow conversion before pneumatization of the sphenoid sinus: assessment with MR imaging, Aoki S; Dillon WP; Barkovich AJ; Norman D, Radiology 1989; **172:** 373

Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Eich GF; Silver MM; Weksberg R; Daneman A; Costa T, Radiology 1991; **181:** 183

MR-anatomy of infants hip: comparison to anatomical preparations, Krasny R; Prescher A; Botschek A; et al, Pediatr Radiol 1991; **21:** 211

MR imaging anatomy of the infant hip, Johnson ND; Wood BP; Noh KS; et al, AJR 1989; **153:** 127

red and yellow marrow in the femur: age-related changes in appearance at MR imaging, Moore SG; Dawson KL, Radiology 1990; **175:** 219

Schmid-like metaphyseal chondrodysplasia simulating child abuse, Kleinman PK, AJR 1991; **156:** 576

variations in acromial ossification simulating infant abuse in victims of sudden infant death syndrome, Kleinman PK; Spevak MR, Radiology 1991; **180:** 185

Infertility

See Sterility

Inflammation, MR

polyclonal human immunoglubulin G labeled with polymeric iron oxide: antibody MR imaging, Weissleder R; Lee AS; Fischman AJ; Reimer P; Shen T; Wilkinson R; Callahan RJ; Brady TJ, Radiology 1991; **181:** 245

Inflammation, radionuclide studies

clinical comparison of $^{99}Tc^{m}$-HMPAO labelled leucocytes and $^{99}Tc^{m}$-nanocolloid in the detection of inflammation, Vorne M; Lantto T; Paakkinen S; et al, Acta Radiol 1989; **30:** 633

gallium-67-citrate imaging in the detection of focal lesions for anemia, proteinuria, and prolonged fever, Misaki T; Dokoh S; Yagi K; et al, J Nucl Med 1990; **31:** 512

hereditary tyrosinemia: unusual imaging distribution of gallium-67 citrate, Malinoff HL; Mountz JM; Wilson MW, Clin Nucl Med 1989; **14:** 229

imaging inflammation with $^{99}Tc^{m}$ HMPAO labelled leucocytes, Reynolds JH; Graham D; Smith FW, Clin Radiol 1990; **42:** 195

immunoscintigraphic imaging of inflammatory lesions: preliminary findings and future possibilities, Thakur ML, Semin Nucl Med 1990; **20:** 92

indium labelled leucocyte scintigraphy in occult infection: a comparison with ultrasound and computed tomography, Baldwin JE; Wraight EP, Clin Radiol 1990; **42:** 199

inflammatory pseudotumor: a gallium-avid mobile mesenteric mass, Auringer ST; Scott MD; Sumner TE, J Nucl Med 1991; **32:** 1614

localization of Fc and Fab fragments of nonspecific polyclonal IgG at focal sites of inflammation, Fischman AJ; Rubin RH; White JA; et al, J Nucl Med 1990; **31:** 1199

osteomyelitis: diagnosis with In-111–labeled leukocytes, Schauwecker DS, Radiology 1989; **171:** 141

radiolabeled, nonspecific, polyclonal human immunoglobulin in the detection of focal inflammation by scintigraphy: comparison with gallium-67 citrate and technetium-99m-labeled albumin, Rubin RH; Fischman AJ; Needleman M; et al, J Nucl Med 1989; **30:** 385

Tc-99m labeled leukocytes in imaging of patients with suspected acute abdominal inflammation, Laitinen R; Tähtinen J; Lantto T; et al, Clin Nucl Med 1990; **15:** 597

technetium-99m HM-PAO-labeled leukocytes in detection of inflammatory lesions: comparison with gallium-67 citrate, Vorne M; Soini I; Lantto T; et al, J Nucl Med 1989; **30:** 1332

Informed consent

informed consent for intravascular administration of contrast material: how much is enough?, Hopper KD; Tyler HN Jr, Radiology 1989; **171:** 509

risk management issues related to the use of contrast agents, Bettmann MA; Holzer JF; Trombly ST, Radiology 1990; **175:** 629

Inner Visions

inner visions, Benedikt RA, Radiographics 1991; **11:** 898

inner visions: "hot" plate, Sirr SA, Radiographics 1991; **11:** 1068

inner visions: radiographic caricature as a medical illustration, Pantoja E, Radiographics 1991; **11:** 636

inner visions: radiographic caricature of a disease, Pantoja E, Radiographics 1991; **11:** 400

inner visions: this radiograph shows at least 16 signs supporting the diagnosis in this supine "child"—can you find them?, Pantoja E, Radiographics 1991; **11:** 346

inner visions: what seems strange about this radiograph?, Pantoja E, Radiographics 1991; **11:** 120

Insulinoma

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International Commission on Radiological Protection (ICRP)

statement from the 1989 Paris meeting of the International Commission on Radiological Protection, Smith H, J Canad Assoc Radiol 1989; **40:** 272

International Society of Biliary Radiologists (ISBR)

International Society of Biliary Radiologists, Radiology Radiology 1990; **175:** 136

Interventional procedures

adrenal cysts: imaging and percutaneous aspiration, Tung GA; Pfister RC; Papanicolaou N; Yoder IC, Radiology 1989; **173:** 107

anatomic relationship between the common femoral artery and vein: CT evaluation and clinical significance, Baum PA; Matsumoto AH; Teitelbaum GP; Zuurbier RA; Barth KH, Radiology 1989; **173:** 775

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; **170:** 391

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; **176:** 15

blunt needle: a new percutaneous access device, Akins EW; Hawkins IF Jr; Mladinich C; et al, AJR 1989; **152:** 181

can the newer interventional procedures replace cholecystectomy for cholecystolithiasis?, Burhenne HJ, Radiology 1989; **170:** 574

cardiovascular and interventional radiology fellowship training programs, Ferris EJ; Baron MG; Becker GJ; Gardiner GA Jr; Levin D, Radiology 1989; **170:** 959

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

comprehensive approach to CT-guided procedures with a hand-held guidance device, Palestrant AM, Radiology 1990; **174:** 270

controversies in peripheral vascular intervention, Wholey MH, Radiology 1990; **174:** 929

current use of screening laboratory tests before abdominal interventions: a survey of 603 radiologists, Silverman SG; Coughlin BF; Seltzer SE; Swensson RG; Mueller PR, Radiology 1991; **181:** 669

dacryocystoplasty: an oculoplastic surgeon's perspective, Glatt HJ, Radiology 1991; **180:** 289

dacryocystoplasty: an oculoplastic surgeon's perspective: reply, Munk PL; Lin DTC, Radiology 1991; **180:** 290

developing an interventional radiology practice in a community hospital: the interventional radiologist as an equal partner in patient care, Katzen BT; Kaplan JO; Dake MD, Radiology 1989; **170:** 955

economic factors affecting practice of interventional radiology in the United States, Dorfman GS; Waltman AC, Radiology 1989; **172:** 895

embolization of large saccular aneurysms with Gianturco coils, Rao VRK; Mandalam KR; Joseph S; Satija V; Gupta VK; Gupta AK; Jain SK; Unni MN; Rao AS, Radiology 1990; **175:** 407

endoscopy as an adjuvant to biliary radiologic intervention, Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr, Radiology 1991; **180:** 355

endovascular treatment of scalp arteriovenous fistulas associated with a large varix, Barnwell SL; Halbach VV; Dowd CF; Higashida RT; Hieshima GB, Radiology 1989; **173:** 533

epiphora: treatment by means of dacryocystoplasty with balloon dilation of the nasolacrimal drainage apparatus, Munk PL; Lin DTC; Morris DC, Radiology 1990; **177:** 687

expansion of interventional radiology. report of a survey conducted by the Royal College of Radiologists, Wilkins RA; Nunnerley HB; Allison DJ; et al, Clin Radiol 1989; **40:** 457

experience with new retrieval forceps for foreign body removal in the vascular, urinary, and biliary systems, Selby JB Jr; Tegtmeyer CJ; Bittner GM, Radiology 1990; **176:** 535

extremity doses during interventional radiology, Ramsdale ML; Walker WJ; Horton PW, Clin Radiol 1990; **41:** 34

fatal carcinoid crisis after percutaneous fine-needle biopsy of hepatic metastasis: case report and literature review, Bissonnette RT; Gibney RG; Berry BR; Buckley AR, Radiology 1990; **174:** 751

gallstones: fragmentation with a tunable dye laser and dissolution with methyl tert-butyl ether in vitro, Faulkner DJ; Kozarek RA, Radiology 1989; **170:** 185

gastric and hepatic infarction following embolization of the left gastric artery: case report, Brown KT; Friedman WN; Marks RA; Saddekni S, Radiology 1989; **172:** 731

guidelines for percutaneous transluminal angioplasty, Standards of Practice Committee of the Society of Cardiovascular and Interventional Radiology, Radiology 1990; **177:** 619

hemostatic evaluation before abdominal interventions: an overview and proposal, Silverman SG; Mueller PR; Pfister RC, AJR 1990; **154:** 233

homemade snare for removal of foreign bodies, Hartnell GG, Radiology 1991; **181:** 903

insertion of chronic indwelling central venous catheters (Hickman lines) in interventional radiology suites, Page AC; Evans RA; Kaczmarski R; et al, Clin Radiol 1990; **42:** 105

insufficient hemodialysis access fistulas: late results of treatment with percutaneous balloon angioplasty, Gmelin E; Winterhoff R; Rinast E, Radiology 1989; **171:** 657

interventional neuroradiology, Halbach VV; Higashida RT; Hieshima GB, AJR 1989; **153:** 467

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

interventional neuroradiology: a neurosurgeon's perspective, Luessenhop AJ, AJNR 1990; **11:** 625

invasive radiology, Meaney TF, Radiographics 1989; **9:** 1181

logistics of a university interventional radiology practice, White RI Jr; Denny DF Jr; Osterman FA Jr; Greenwood LH; Wilkinson LA, Radiology 1989; **170:** 951

lung abscess: CT-guided drainage, vanSonnenberg E; D'Agostino HB; Casola G; Wittich GR; Varney RR; Harker C, Radiology 1991; **178:** 347

malignant biliary obstruction complicated by ascites: transjugular insertion of an expandable metallic endoprosthesis, Ring EJ; Gordon RL; LaBerge JM; Shapiro HA, Radiology 1991; **180:** 579

method to control spraying of high-velocity infected blood droplets during arterial catheterization, Cope C; Machan L, Radiology 1990; **174:** 1055

monitoring and evaluating the quality and appropriateness of angiographic/interventional radiologic procedures, Cascade PN; Kastan DJ, Radiology 1990; **174:** 926

newer interventional procedures for treatment of cholecystolithiasis, Gleeson MJ; Griffith DP, Radiology 1989; **172:** 285

new interventional devices and the need for restraint, Ring EJ, Radiology 1989; **170:** 945

new technologies for interventional radiology, Fry SM, Invest Radiol 1990; **25:** 93

new tools of the trade, Reamer LA, Radiology 1990; **174:** 923

new universal precaution aspiration tray, Mueller PR; Silverman SG; Tung G; Brink JA; Cardenosa G; Saini S; Forman BH; Hahn PF, Radiology 1989; **173:** 278

nitinol gooseneck snare for removal of foreign bodies: experimental study and clinical evaluation, Yedlicka JW Jr; Carlson JE; Hunter DW; Castañeda-Zúñiga WR; Amplatz K, Radiology 1991; **178:** 691

oocyte retrieval in an in vitro fertilization–embryo transfer program: comparison of four methods, Wiseman DA; Short WB; Pattinson HA; Taylor PJ; Nicholson SF; Elliott PD; Fleetham JA; Mortimer ST, Radiology 1989; **173:** 99

patient care in interventional radiology: a perspective, Barth KH; Matsumoto AH, Radiology 1991; **178:** 11

penetrating atherosclerotic aortic ulcer with dissecting hematoma: control of bleeding with percutaneous embolization, Williams DM; Kirsh MM; Abrams GD, Radiology 1991; **181:** 85

percutaneous abscess drainage: current concepts, vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW, Radiology 1991; **181:** 617

percutaneous gallbladder intervention, Picus D, Radiology 1990; **176:** 5

percutaneous procedures guided for color-flow Doppler sonography, McNamara MP Jr, AJR 1989; **152:** 1123

political trends in vascular and interventional radiology: a randomized survey, Smith TP; Cragg AH; Berbaum KS, Radiology 1989; **170:** 941

postoperative abscesses with enteric communication: percutaneous treatment, Lambiase RE; Cronan JJ; Dorfman GS; Paolella LP; Haas RA, Radiology 1989; **171:** 497

radiologic placement of Hickman catheters, Robertson LJ; Mauro MA; Jaques PF, Radiology 1989; **170:** 1007

role of the department chairman in the future of interventional radiology, Levin DC, Radiology 1989; **170:** 947

superselective embolization using a coaxial catheter technique, Olliff S; Thomas S; Karani J; et al, Br J Radiol 1990; **63:** 197

surgical approach to vascular disease, Roberts B, JVIR 1991; **2:** 66

symposium: interventional cardiology at a crossroad—diagnostics and therapeutics, (ab), Vogel RA, Radiology 1989; **171:** 883

thrombus-trapping efficiency of the Greenfield filter in vivo, Thompson BH; Cragg AH; Smith TP; Bareniewski H; Barnhart WH; De Jong SC, Radiology 1989; **172:** 979

training standards for physicians performing peripheral angioplasty: new developments, Wexler L; Levin D; Dorros G; Ring EJ; Katzen BT; Spittell JA Jr; King SB III, Radiology 1991; **178:** 19

treatment of autonomous thyroid nodules with percutaneous ethanol injection: preliminary results. work in progress, Livraghi T; Paracchi A; Ferrari C; Bergonzi M; Garavaglia G; Raineri P; Vettori C, Radiology 1990; **175:** 827

treatment of carotid artery aneurysms with platinum coils: an experimental study in dogs, Graves VB; Partington CR; Rüfenacht DA; et al, AJNR 1990; **11:** 249

update on interventional neuroradiology, Viñuela F; Dion J; Lylyk P; et al, AJR 1989; **153:** 23

US guidance of interventional procedures, Matalon TAS; Silver B, Radiology 1990; **174:** 43

US guidance of interventional procedures, Yeung EY; Thurston W; Quigley MJ; Ho C-S, Radiology 1990; **176:** 289

US guidance of interventional procedures: reply, Silver B; Matalon TAS, Radiology 1990; **176:** 290

US-guided transvaginal drainage of pelvic abscesses and fluid collections, vanSonnenberg E; D'Agostino HB; Casola G; Goodacre BW; Sanchez RB; Taylor B, Radiology 1991; **181:** 53

venous stenoses in dialysis shunts: treatment with self-expanding metallic stents, Günther RW; Vorwerk D; Bohndorf K; Klose KC; Kistler D; Mann H; Sieberth HG; El-Din A, Radiology 1989; **170:** 401

Interventional procedures, complications

aneurysm of the dilatation balloon catheter: an unusual complication of percutaneous nephrolithotomy, Gray RR; St. Louis EL; Jewett MAS, Urol Radiol 1989; **11:** 165

arteriovenous malformations of the brain: recent results of endovascular therapy, Fox AJ; Pelz DM; Lee DH, Radiology 1990; **177:** 51

bronchial migration of pulmonary arterial coil, Abad J; Villar R; Parga G; et al, Cardiovasc Intervent Radiol 1990; **13:** 345

case report: ureterocaecal anastomotic tumour diagnosed by sinography, Warnock NG, Clin Radiol 1990; **42:** 210

complications of percutaneous intraaortic balloon pump use in patients with peripheral vascular disease, (ab), Kvilekval KHV; Mason RA; Newton GB; et al, JVIR 1991; **2:** 412

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

CT appearance of retrograde jejunoduodenogastric intussusception: a rare complication of gastrostomy tubes, Weber A; Nadel S, AJR 1991; **156:** 957

development of an infected false aneurysm following iliac angioplasty, Cooper JC; Woods DA; Spencer P; et al, Br J Radiol 1991; **64:** 759

embolization of a rubber disc from a hemostasis valve: technical note, Schroeder J; Papachrysanthou C; Huhmann W, Cardiovasc Intervent Radiol 1991; **14:** 132

embolization of iatrogenic renal hemorrhage following percutaneous nephrostomy, Peene P; Wilms G; Baert AL, Urol Radiol 1990; **12:** 84

encapsulated epidural catheter: CT findings, Brems-Dalgaard E; Just SL; Pedersen H, Neuroradiol 1991; **33:** 81

errant percutaneous Greenfield filter placement into the retroperitoneum, (ab), Adye BA; Raabe RD; Zobell RL, JVIR 1990; **1:** 136

femoral neuralgia syndrome after arterial catheter trauma, (ab), Hallett JW Jr; Wolk SW; Cherry KJ Jr; et al, Radiology 1990; **177:** 894

follow-up after partial interruption of the vena cava with the Günther filter, Schneider P-A; Geissbühler P; Piguet J-C; et al, Cardiovasc Intervent Radiol 1990; **13:** 378

hema and latex: a dangerous combination?, Forsting M; Sartor K, Neuroradiol 1991; **33:** 338

Hickman catheter-induced thoracic vein thrombosis: frequency and long-term sequelae in patients receiving high-dose chemotherapy and marrow transplantation, (ab), Haire WD; Lieberman RP; Edney J; et al, JVIR 1991; **2:** 287

iliofemoral arterial complications of balloon angioplasty for systemic obstructions in infants and children, (ab), Burrows PE; Benson LN; Williams WG; et al, JVIR 1991; **2:** 292

importance of daily rounds by the radiologist after interventional procedures of the abdomen and chest, Goldberg MA; Mueller PR; Saini S; Lee MJ; Girard MJ; Dawson SL; Hallisey MJ; Cortell ED; Hahn PF; Brink JA, Radiology 1991; **180:** 767

inadvertent embolic obstruction of abdominal aorta from left atrial thrombus after percutaneous mitral valvuloplasty, Park JH; Lee G; Han JK; et al, Cardiovasc Intervent Radiol 1990; **13:** 351

late arterial hemorrhage secondary to a Greenfield filter requiring operative intervention, (ab), Howerton RM; Watkins M; Feldman L, JVIR 1991; **2:** 414

left main bronchial-esophageal fistula: a complication of bronchial artery embolization, Munk PL; Morris DC; Nelems B, Cardiovasc Intervent Radiol 1990; **13:** 95

management of vascular perforations that occur during neurointerventional procedures, Halbach VV; Higashida RT; Dowd CF; et al, AJNR 1991; **12:** 319

metallic endoprostheses: boon or bust?, Mueller PR, Radiology 1991; **179:** 603

monorail system for percutaneous repositioning of the Greenfield vena caval filter, Guthaner DF; Wyatt JO; Mehigan JT; Wright AM; Breen JF; Wexler L, Radiology 1990; **176:** 872

monorail system for percutaneous repositioning of the Greenfield vena cava filter, Myers TV; Tsai FY; Myers ME, Radiology 1991; **179:** 880

monorail system for percutaneous repositioning of the Greenfield vena cava filter: reply, Guthaner DF, Radiology 1991; **179:** 881

neurological complications of balloon angioplasty in children, (ab), Treacy EP; Duncan WJ; Tyrrell MJ; et al, JVIR 1991; **2:** 410

percutaneous management of emboli associated with hot tip laser-assisted angioplasty, Matsumoto AH; Barth KH; Teitelbaum GP, Cardiovasc Intervent Radiol 1990; **13:** 71

phlegmasia cerulea dolens, a complication after placement of a bird's nest vena cava filter, Aruny JE; Kandarpa K, AJR 1990; **154:** 1105

pulmonary embolus as a complication of therapeutic peripheral arteriovenous malformation embolization, McCarthy P; Kennedy A; Dawson P; et al, Br J Radiol 1991; **64:** 177

renal arterial rupture complicating transluminal angioplasty: successful conservative management, Ashenburg RJ; Blair RJ; Rivera FJ; Weigele JB, Radiology 1990; **174:** 983

renal arterial rupture complicating transluminal angioplasty, Levitt RG; Wholey MH, Radiology 1990; **176:** 583

renal arterial rupture complicating transluminal angioplasty: reply, Ashenburg RJ, Radiology 1990; **176:** 583

repositioning of partially dislodged Greenfield filters from the right atrium by use of a tip deflection wire, (ab), Patterson RB; Fowl RJ; Lubbers DJ; et al, JVIR 1990; **1:** 135

retrieval of a 4-French diagnostic catheter fragment from the common carotid artery by using a stone basket, Travelli R; Cogbill TH, AJR 1991; **156:** 1105

scatter dose from tangential breast irradiation to the uninvolved breast, Muller-Runkel R; Kalokhe UP, Radiology 1990; **175:** 873

scatter dose from tangential breast irradiation to the uninvolved breast, Chilcote WS, Radiology 1991; **179:** 584

surgical treatment of brachial artery injuries after cardiac catheterizatio, (ab), Kline RM Jr; Hertzer NR; Beven EG; et al, JVIR 1990; **1:** 135

ureteral stenting in urosepsis: a cautionary note, Franczyk J; Gray RR, Cardiovasc Intervent Radiol 1989; **12:** 265

Interventional procedures, experimental

angioplasty-induced dissections in human iliac arteries: management with Palmaz balloon-expandable intraluminal stents, Becker GJ; Palmaz JC; Rees CR; Ehrman KO; Lalka SG; Dalsing MC; Cikrit DF; McLean GK; Burke DR; Richter GM; Noeldge G; Garcia O; Waller BF; Castaneda-Zuniga WR, Radiology 1990; **176:** 31

balloon dilation of the prostate: effective treatment or dilatory tactic?, Pollack HM, Radiology 1991; **178:** 331

biocompatibility of 1-F polyethylene catheters used in interventional neuroradiology procedures: a study with rats and dogs, (ab), Partington CR; Graves VB; Rüfenacht DA; et al, JVIR 1991; **2:** 409

biocompatibility of 1-French polyethylene catheters used in interventional neuroradiology procedures: a study with rats and dogs, Partington CR; Graves VB; Rüfenacht DA; et al, AJNR 1990; **11:** 881

clot-trapper device for transjugular thrombectomy from the inferior vena cava, Ponomar E; Carlson JE; Kindlund A; Rodriguez JP; Castaneda-Zuniga WR; Hunter DW; Yedlicka JW Jr; Amplatz K, Radiology 1991; **179:** 279

devil in Dr Pollack: defending our souls, Wasserman NF, Radiology 1991; **178:** 333

experimental treatment of benign prostatic hyperplasia with transurethral balloon dilation of the prostate: preliminary study in 73 humans, Wasserman NF; Reddy PK; Zhang G; Berg PA, Radiology 1990; **177:** 485

homemade snare for removal of foreign bodies, Hartnell GG, Radiology 1991; **181:** 903

inferior vena caval filter thrombi: evaluation with intravascular US, McCowan TC; Ferris EJ; Carver DK, Radiology 1990; **177:** 783

mechanical clot dissolution: new concept, Bildsoe MC; Moradian GP; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **171:** 231

new device for percutaneous fragmentation of pulmonary emboli, Schmitz-Rode T; Günther RW, Radiology 1991; **180:** 135

nitinol gooseneck snare for removal of foreign bodies: experimental study and clinical evaluation, Yedlicka JW Jr; Carlson JE; Hunter DW; Castañeda-Zúñiga WR; Amplatz K, Radiology 1991; **178:** 691

potential of radio-frequency balloon angioplasty: weld strengths, dose-response relationship, and correlative histology, Becker GJ; Lee BI; Waller BF; Barry KJ; Kaplan J; Connolly R; Dreesen RG; Nardella P, Radiology 1990; **174:** 1003

relocatable Gianturco expandable metallic stents, Irie T; Furui S; Yamauchi T; Makita K; Sawada S; Takenaka E, Radiology 1991; **178:** 575

rhesus monkey as an animal model for training in interventional neuroradiology, Terbrugge K; Lasjaunias P; Chiu MC; et al, AJNR 1989; **10:** 1203

self-expanding endovascular stent in experimental atherosclerosis: work in progress, Rousseau HP; Joffre FG; Raillat CR; Julian M; Pierragi MT; Chalabi F; Bouissou H, Radiology 1989; **170:** 773

Interventional procedures, in infants and children

are hydrostatic and pneumatic methods of intussusception reduction comparable?, Sargent MA; Wilson BPM, Pediatr Radiol 1991; **21:** 346

comparative examination of various rectal tubes and contrast media for the reduction of intussusceptions, Schmitz-Rode T; Müller-Leisse C; Alzen G, Pediatr Radiol 1991; **21:** 341

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine the imaging modality, Finkelstein MS; Mandell GA; Tarbell KV, Radiology 1990; **177:** 759

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Cohen HL; Haller JO, Radiology 1991; **179:** 877

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality: reply, Mandell GA; Finkelstein MS, Radiology 1991; **179:** 878

multiple collaterals to hepatic infantile hemangioendotheliomas and arteriovenous malformations: effect on embolization, Fellows KE; Hoffer FA; Markowitz RI; O'Neill JA Jr, Radiology 1991; **181:** 813

neurological complications of balloon angioplasty in children, (ab), Treacy EP; Duncan WJ; Tyrrell MJ; et al, JVIR 1991; **2:** 410

pediatric interventional procedures in the 1980s: a period of development, growth, and acceptance, Towbin RB, Radiology 1989; **170:** 1081

percutaneous translumbar inferior vena cava central line placement in a critically ill child, Robards JB; Jaques PF; Mauro MA; et al, Pediatr Radiol 1989; **19:** 140

soft-tissue venous malformations in children: percutaneous sclerotherapy with Ethibloc, Dubois JM; Sebag GH; De Prost Y; Teillac D; Chretien B; Brunelle FO, Radiology 1991; **180:** 195

variations in the vascular supply to infantile hepatic hemangioendotheliomas, Burrows PE, Radiology 1991; **181:** 631

Interventional procedures, technology

continuous infusion with implantable pumps: expanding the radiologist's role, Damascelli B; Bonalumi MG; Marchianò A; et al, Eur J Radiol 1991; **12:** 191

fluoroscopically guided percutaneous gastrostomy: is gastric fixation necessary? (republication), Moote DJ; Ho C-S; Felice V, J Canad Assoc Radiol 1991; **42:** 113

hydroxyethyl methylacrylate and latex balloons, Monsein LH; Debrun GM; Chazaly JR, AJNR 1990; **11:** 663

lightweight mobile theatre trolley for interventional procedures, Cameron DC, Australas Radiol 1990; 34: 273

magnetic susceptibility effects and their application in the development of new ferromagnetic catheters for magnetic resonance imaging, Rubin DL; Ratner AV; Young SW, Invest Radiol 1990; 25: 1325

minibasket for percutaneous embolectomy and filter protection against distal embolization: technical note, Günther RW; Vorwerk D, Cardiovasc Intervent Radiol 1991; 14: 195

new percutaneous access set for interventional procedures, McLellan GL, AJR 1991; 156: 397

ultrasound guidance improves the success rate of internal jugular vein cannulation: a prospective randomized trial, (ab), Mallory DL; McGee WT; Shawker TH; et al, JVIR 1991; 2: 287

versatile, steerable, flow-guided catheter for delivery of detachable balloons, Nelson M, AJNR 1990; 11: 657

Interventional procedures, utilization

economic factors affecting practice of interventional radiology in the United States, Dorfman GS; Waltman AC, Radiology 1989; 172: 895

outpatient angioplasty, Rogers WF; Kraft MA, Radiology 1990; 174: 753

status of admitting privileges for university-affiliated diagnostic radiology departments, White RI Jr, Radiology 1990; 175: 391

Intervertebral disks

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Intestinal neoplasms

Cronkhite–Canada syndrome: radiologic features, Dachman AH; Buck JL; Burke AP; et al, Gastrointest Radiol 1989; 14: 285

CT of the small bowel and mesentery, Merine DS; Fishman EK; Jones B; et al, Radiol Clin North Am 1989; 27: 707

from the archives of the AFIP: polypoid and pseudopolypoid manifestations of inflammatory bowel disease, Buck JL; Dachman AH; Sobin LH, Radiographics 1991; 11: 293

linitis plastica of the alimentary tract and scrotum, Zalev AH; Baker JP; Gardiner GW, Gastrointest Radiol 1990; 15: 72

non-Hodgkin lymphoma of the small intestine, Rubesin SE; Gilchrist AM; Bronner M; Saul SH; Herlinger H; Grumbach K; Levine MS; Laufer I, Radiographics 1990; 10: 985

paraganglioma of the duodenum: a case report with radiological findings and literature review, Imai S; Kajihara Y; Komaki K; et al, Br J Radiol 1990; 63: 975

polypoid hamartoma of the jejunum, Bracke PG; Degryse HR; Goovaerts GC; et al, Gastrointest Radiol 1991; 16: 113

primary malignant tumors in the small bowel: a comparison of the small-bowel enema and conventional follow-through examination, Bessette JR; Maglinte DDT; Kelvin FM; et al, AJR 1989; 153: 741

primary tumors of the small intestine: CT evaluation, Dudiak KM; Johnson CD; Stephens DH, AJR 1989; 152: 995

unusual presentation of non-Hodgkin's lymphoma of the small bowel, Nicholson DA, Br J Radiol 1990; 63: 814

value of double-contrast study of the small intestine in immunoproliferative small intestinal disease, Matsumoto T; Iida M; Matsui T; et al, Gastrointest Radiol 1990; 15: 159

Intestinal neoplasms, CT

bowel obstruction: evaluation with CT, Megibow AJ; Balthazar EJ; Cho KC; Medwid SW; Birnbaum BA; Noz ME, Radiology 1991; 180: 313

computed tomographic appearances and clinical significance of intussusception in adults with malignant neoplasms, Lorigan JG; DuBrow RA, Br J Radiol 1990; 63: 257

CT of malignant melanoma: patterns of small bowel and mesenteric involvement, Kawashima A; Fishman EK; Kuhlman JE; et al, JCAT 1991; 15: 570

diagnosis and categorization of small bowel neoplasms: role of computed tomography, Laurent F; Raynaud M; Biset JM; et al, Gastrointest Radiol 1991; 16: 115

Peutz-Jeghers syndrome: CT and US demonstration of small bowel polyps, Sener RN; Kumcuoglu Z; Elmas N; et al, Gastrointest Radiol 1991; 16: 21

Intestinal neoplasms, diagnosis

diagnosis and categorization of small bowel neoplasms: role of computed tomography, Laurent F; Raynaud M; Biset JM; et al, Gastrointest Radiol 1991; 16: 115

Intestinal neoplasms, metastases

selective internal radiation therapy: validation of intraoperative dosimetry, Burton MA; Gray BN; Kelleher DK; Klemp PF, Radiology 1990; 175: 253

Intestinal neoplasms, MR

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; 178: 503

Intestinal neoplasms, radionuclide studies

intestinal neoplasm mimicking a Meckel's diverticulum on scintigraphic imaging, Mehall CJ; Klein RM; Muz J; et al, Clin Nucl Med 1991; 16: 233

jejunal leiomyosarcoma detected by Tc-99m sulfur colloid gastrointestinal bleeding scan, Yang S-O; Lee MC; Koh C-S; et al, Clin Nucl Med 1990; 15: 327

scintigraphic localization of a bleeding leiomyosarcoma of the proximal jejunum, Caruana V; Swayne LC; Diehl WL, Clin Nucl Med 1991; 16: 230

Intestinal neoplasms, staging

non-Hodgkin lymphoma of the small intestine, Rubesin SE; Gilchrist AM; Bronner M; Saul SH; Herlinger H; Grumbach K; Levine MS; Laufer I, Radiographics 1990; 10: 985

Intestinal neoplasms, US

Peutz-Jeghers syndrome: CT and US demonstration of small bowel polyps, Sener RN; Kumcuoglu Z; Elmas N; et al, Gastrointest Radiol 1991; 16: 21

Intestines

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enteroclysis and small bowel series: comparison of radiation dose and examination time, Thoeni RF; Gould RG, Radiology 1991; 178: 659

Intestines, abnormalities

bowler hat sign, (ab), Miller WT Jr, Radiology 1991; 181: 291

case report: gastrointestinal bleeding due to multiple ileal duplications diagnosed by scintigraphy and barium studies, Gilchrist AM; Sloan JM; Logan CJH; et al, Clin Radiol 1990; 41: 134

extensive short-bowel syndrome in neonates: outcome in the 1980s, (ab), Caniano DA; Starr J; Ginn-Pease ME, Radiology 1989; 173: 295

human orthotopic small intestine transplantation: radiologic assessment, Bach DB; Hurlbut DJ; Romano WM; Sutherland FR; Garcia BM; Wall WJ; Ghent CN; Grant DR, Radiology 1991; 180: 37

percutaneous fine-needle aspiration of bowel wall abnormalities under ultrasonic guidance, Abbitt PL, JCU 1991; 19: 310

simplified approach to umbilical remnant abnormalities, DiSantis DJ; Siegel MJ; Katz ME, Radiographics 1991; 11: 59

Intestines, angiography

Crohn's disease angiographically mimicking vascular malformation or neoplasms, DeNardi F; Burns K; Peterson RA; et al, J Canad Assoc Radiol 1989; 40: 279

Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; 174: 937

Meckel's diverticula: angiographic diagnosis in patients with non-acute hemorrhage and negative scintigraphy, Routh WD; Lawdahl RB; Lund E; et al, Pediatr Radiol 1990; 20: 152

Intestines, CT

adult celiac disease and its complications, Rubesin SE; Herlinger H; Saul SH; Grumbach K; Laufer I; Levine MS, Radiographics 1989; 9: 1045

bowel and mesenteric injury following blunt abdominal trauma: evaluation with CT, Rizzo MJ; Federle MP; Griffiths BG, Radiology 1989; 173: 143

bowel obstruction: evaluation with CT, Megibow AJ; Balthazar EJ; Cho KC; Medwid SW; Birnbaum BA; Noz ME, Radiology 1991; 180: 313

calcification of the large bowel in schistosomiasis demonstrated by computed tomography, Al-Hindawi M; Whitehouse GH; Al-Ansari AG; et al, Br J Radiol 1990; 63: 357

closed-loop obstruction of the small bowel: CT and sonographic appearance, Cho KC; Hoffman-Tretin JC; Alterman DD, JCAT 1989; 13: 256

computed tomographic detection of intestinal calcification of schistosomiasis japonica, Araki T; Kachi K; Monzawa S; et al, Gastrointest Radiol 1989; 14: 360

computed tomographic findings in bowel ischemia, Pérez CM; Llauger J; Puig J; et al, Gastrointest Radiol 1989; 14: 241

computed tomography in adult intussusception, Bar-Ziv J; Solomon A, Gastrointest Radiol 1991; 16: 264

computed tomography in volvulus of the midgut, Paul AB; Dean DM, Br J Radiol 1990; 63: 893

computed tomography of acute jejunogastric intussusception, Leyman P; Ponette E; Marchal G; et al, JCAT 1989; 13: 531

computed tomography of ileoileocolic intussusception caused by a lipoma, Yoshimitsu K; Fukuya T; Onitsuka H; et al, JCAT 1989; 13: 704

computerized tomography appearances of pelvic haemangioma involving the large bowel in childhood, Yeoman LJ; Shaw D, Pediatr Radiol 1989; 19: 414

Crohn disease in the pediatric patient: CT evaluation, Jabra AA; Fishman EK; Taylor GA, Radiology 1991; 179: 495

CT appearances of jejunojejunal intussusception, Knox AM; Donovan DA; Wilkinson MR, Australas Radiol 1990; 34: 264

CT demonstration of inflamed Meckel diverticulum, Nigogosyan M; Dolinskas C, JCAT 1990; 14: 140

CT diagnosis of gall stone ileus, Leen GLS; Finlay M, Acta Radiol 1990; 31: 497

CT evaluation of bowel obstruction: a landmark article—implications for the future, Rubesin SE; Herlinger H, Radiology 1991; 180: 307

CT of diverticulitis: diagnosis and treatment, Neff CC; vanSonnenberg E, Radiol Clin North Am 1989; 27: 743

CT of inflammatory bowel disease, Gore RM, Radiol Clin North Am 1989; 27: 717

CT of the gut in the immunocompromised host, Jones B; Fishman EK, Radiol Clin North Am 1989; 27: 763

CT of the small bowel and mesentery, Merine DS; Fishman EK; Jones B; et al, Radiol Clin North Am 1989; 27: 707

demonstration of para-ileostomy herniation using computed tomography, Etherington RJ; Williams JG; Hayward MWJ; et al, Clin Radiol 1990; 41: 333

general case of the day, Pérez CM; Llauger J; Donoso L; Martínez-Noguera A, Radiographics 1991; 11: 506

giant Meckel diverticulum containing enteroliths diagnosed by computed tomography and sonography, Torii Y; Hisatsune I; Imamura K; et al, Gastrointest Radiol 1989; 14: 167

ileal J pouch: radiologic evaluation in patients with and without postoperative infectious complications, Brown JJ; Balfe DM; Heiken JP; Becker JM; Soper NJ, Radiology 1990; 174: 115

intestinal injuries missed by computed tomography, (ab), Sherck JP; Oakes DD, Radiology 1990; 176: 587

limitations in the CT diagnosis of acute diverticulitis: comparison of CT, contrast enema, and pathologic findings in 16 patients, Balthazar EJ; Megibow AJ; Schinella RA; et al, AJR 1990; 154: 281

primary tumors of the small intestine: CT evaluation, Dudiak KM; Johnson CD; Stephens DH, AJR 1989; 152: 995

sciatic hernia with incarcerated ileum: CT and radiographic diagnosis, Ghahremani GG; Michael AS, Gastrointest Radiol 1991; 16: 120

spontaneous free perforation of the ileum in Crohn disease: CT demonstration, Goodman P; Raval B; Potter GD, Comput Med Imag Graph 1989; 13: 473

technical principles in CT evaluation of the gut, Raptopoulos V, Radiol Clin North Am 1989; 27: 631

value of CT in detecting bowel perforation in children after blunt abdominal trauma, Bulas DI; Taylor GA; Eichelberger MR, AJR 1989; 153: 561

Intestines, cysts

case of the month: executive distress, Novell R; Stansby G; Dick R, Br J Radiol 1991; 64: 67

enteric duplication cysts in children: are their ultrasonographic wall characteristics diagnostic?, Barr LL; Hayden CK Jr; Stansberry SD; et al, Pediatr Radiol 1990; 20: 326

ileocolic intussusception with enterogenous cyst: ultrasonic diagnosis, Adamsbaum C; Sellier N; Helardot P, Pediatr Radiol 1989; 19: 325

incidental discovery of a large duplication cyst during Meckel's scintigraphy, Vazquez R; Oates E; Sarno RC; et al, Clin Nucl Med 1989; 14: 537

infected duplication cyst of ileum masquerading as an adnexal abscess—ultrasonographic features, Caspi B; Schachter M; Lancet M, JCU 1989; 17: 431

neonatal necrotizing enterocolitis: air in Morison pouch, Brill PW; Olson SR; Winchester P, Radiology 1990; 174: 469

pneumatosis coli: is there a relationship with sigmoid colon redundancy?, Moote DJ; Fried LA; LeBrun GP; et al, Gastrointest Radiol 1989; 14: 79

pneumatosis intestinalis in bone-marrow transplantation patients: diagnosis on routine chest radiographs, Bates FT; Gurney JW; Goodman LR; et al, AJR 1989; 152: 991

pneumatosis intestinalis in children with AIDS, Sivit CJ; Josephs SH; Taylor GA; et al, AJR 1990; 155: 133

pneumatosis intestinalis in two infants with rotavirus gastroenteritis, Capitanio MA; Greenberg SB, Pediatr Radiol 1991; 21: 361

pneumatosis intestinalis: surgical management and clinical outcome, (ab), Knechtle SM; Davidoff AM; Rice RP, Radiology 1991; 178: 586

sonographic features of pneumatosis of the small bowel, Vijayaraghavan SB, JCU 1990; 18: 579

sonographic recognition of pneumatosis intestinalis and portal gas in an 11-months-old infant—case report, Yip CKY; Ng VK; Man DWK; et al, Australas Radiol 1990; 34: 169

two unusual cases of pneumatosis coli, Chippindale AJ; Desai S, Clin Radiol 1991; 43: 180

Intestines, diseases

amyloidosis of the small intestine: findings on double-contrast radiographs, Tada S; Iida M; Matsui T; et al, AJR 1991; 156: 741

barium studies and ileoscopy compared in children with suspected Crohn's disease, Lipson A; Bartram CI; Williams CB; et al, Clin Radiol 1990; 41: 5

bladder involvement in Crohn disease: role of CT in detection and evaluation, Merine DS; Fishman EK; Kuhlman JE; et al, JCAT 1989; 13: 90

bowel obstruction: evaluation with CT, Megibow AJ; Balthazar EJ; Cho KC; Medwid SW; Birnbaum BA; Noz ME, Radiology 1991; 180: 313

buttock abscess complicating Crohn's disease, O'Malley BP; Minuk T; Castelli M, J Canad Assoc Radiol 1989; 40: 51

can ^{111}Indium autologous mixed leucocyte scanning accurately assess disease extent and activity in Crohn's disease?, (ab), Park RHR; McKillop JH; Duncan A; et al, Radiology 1989; 170: 581

colobronchial and gastrocolic fistulas: rare complication of Crohn's disease, Flueckiger F; Kullnig P; Melzer G; et al, Gastrointest Radiol 1990; 15: 288

computed tomography evaluation of the sacroiliac joints in Crohn disease: radiologic/clinical correlation, Scott WW Jr; Fishman EK; Kuhlman JE; et al, Skeletal Radiol 1990; 19: 207

Crohn disease in the pediatric patient: CT evaluation, Jabra AA; Fishman EK; Taylor GA, Radiology 1991; 179: 495

Crohn's disease angiographically mimicking vascular malformation or neoplasms, DeNardi F; Burns K; Peterson RA; et al, J Canad Assoc Radiol 1989; 40: 279

Crohn's disease of the small intestine with polypoid configuration, Zalev AH; Gardiner GW, Gastrointest Radiol 1991; 16: 18

CT evaluation of bowel obstruction: a landmark article—implications for the future, Rubesin SE; Herlinger H, Radiology 1991; 180: 307

diagnosis and treatment of duodenoenteric fistulas complicating Crohn's disease, (ab), Lee KKW; Schraut WH, Radiology 1989; 173: 585

diagnosis of acute ulcerative colitis and colonic Crohn's disease by colonic sonography, Limberg B, JCU 1989; 17: 25

diagnosis of fistulae and sinus tracts in patients with Crohn disease: value of MR imaging, Koelbel G; Schmiedl U; Majer MC; et al, AJR 1989; 152: 999

diagnosis of inflammatory bowel disease with ultrasound: an in vitro study, Kimmey MB; Wang KY; Haggitt RC; et al, Invest Radiol 1990; 25: 1085

diffuse ileal conduit stenosis from Crohn's disease, Walser EM; Kopecky KK; Rowland R, Urol Radiol 1990; 12: 160

duodenal adenocarcinoma in Crohn's disease of the small bowel: a case report, Slezak P; Rubio C; Blomqvist L; et al, Gastrointest Radiol 1991; 16: 15

early and delayed indium 111 leukocyte imaging in Crohn's disease, (ab), Navab F; Boyd CM; Diner WC; et al, Radiology 1989; 170: 899

from the archives of the AFIP: polypoid and pseudopolypoid manifestations of inflammatory bowel disease, Buck JL; Dachman AH; Sobin LH, Radiographics 1991; 11: 293

gastric carcinoma in patients with Crohn disease: report of four cases, Glick SN, AJR 1991; 157: 311

gonadal vein thrombosis in patients with acute gastrointestinal inflammation: diagnosis with CT, Jain KA; Jeffrey RB Jr, Radiology 1991; 180: 111

portal vein thrombosis in Crohn's disease, Brinberg DE; Stefansson TB; Greicius FA; et al, Gastrointest Radiol 1991; 16: 245

predictability of the postoperative course of Crohn's disease, (ab), Rutgeerts P; Geboes K; Vantrappen G; et al, Radiology 1991; 179: 588

relationship between the radiological and clinical features in patients with Crohn's disease, Yao T; Okada M; Fuchigami T; et al, Clin Radiol 1989; 40: 389

sonographic features of colonic Crohn's disease: comparison of in vivo and in vitro studies, Limberg B, JCU 1990; 18: 161

spontaneous free perforation of the ileum in Crohn disease: CT demonstration, Goodman P; Raval B; Potter GD, Comput Med Imag Graph 1989; 13: 473

spontaneous portal venous gas in a patient with Crohn's ileocolitis, Delamarre J; Capron J-P; Dupas J-L; et al, Gastrointest Radiol 1991; 16: 38

transient intussusception in Crohn disease: CT evaluation, Knowles MC; Fishman EK; Kuhlman JE; Bayless TM, Radiology 1989; 170: 814

Intestines, diverticula

acute Meckel's diverticulitis: diagnosis by ultrasonography, Larson JM; Ellinger DM; Zdybel PJ; et al, JCU 1989; 17: 682

angiodysplasia associated with Meckel's diverticulum: case report, Katz MD; Teitelbaum GP, Cardiovasc Intervent Radiol 1991; 14: 188

angiographic demonstration of bleeding in an unusually located Meckel's diverticulum simulating colonic bleeding, Oglevie SB; Smith DC; Gardiner GA, Cardiovasc Intervent Radiol 1989; 12: 210

arterial embolization to control life-threatening hemorrhage from a Meckel's diverticulum, Okazaki M; Higashihara H; Yamasaki S; et al, AJR 1990; 154: 1257

bleeding Meckel's diverticulum demonstrated by digital subtraction angiography, Aggarwal S; Kumar A; Nijhawan S; et al, Pediatr Radiol 1989; 19: 438

cecal diverticulitis differentiated from appendicitis using graded-compression sonography, Townsend RR; Jeffrey RB Jr; Laing FC, AJR 1989; 152: 1229

CT demonstration of inflamed Meckel diverticulum, Nigogosyan M; Dolinskas C, JCAT 1990; 14: 140

CT of diverticulitis: diagnosis and treatment, Neff CC; vanSonnenberg E, Radiol Clin North Am 1989; 27: 743

double targets sign in ultrasonic diagnosis of intussuscepted Meckel diverticulum, Itagaki A; Uchida M; Ueki K; et al, Pediatr Radiol 1991; 21: 148

enteroliths of small bowel diverticula, Herbetko J; Brunton FJ, Clin Radiol 1991; 43: 311

extraintestinal manifestations in patients with diverticulitis, (ab), Klein S; Mayer L; Present DH; et al, Radiology 1989; 170: 286

giant Meckel diverticulum containing enteroliths diagnosed by computed tomography and sonography, Torii Y; Hisatsune I; Imamura K; et al, Gastrointest Radiol 1989; 14: 167

inverted Meckel's diverticulum, Chen YM; Teague RS; Wolfman NT; et al, Comput Med Imag Graph 1989; 13: 477

limitations in the CT diagnosis of acute diverticulitis: comparison of CT, contrast enema, and pathologic findings in 16 patients, Balthazar EJ; Megibow AJ; Schinella RA; et al, AJR 1990; 154: 281

Meckel's diverticula: angiographic diagnosis in patients with non-acute hemorrhage and negative scintigraphy, Routh WD; Lawdahl RB; Lund E; et al, Pediatr Radiol 1990; 20: 152

Meckel's diverticulum in a 41-year-old patient: detection with pertechnetate scintigraphy, Laurin NR; Powe JE; Driedger AA, Clin Nucl Med 1990; 15: 195

multiple gastrointestinal tract diverticula, Cheng EH; Pavelock RR, Gastrointest Radiol 1990; 15: 282

rectal diverticulosis: a case report and review of the literature, Halpert RD; Crnkovich FM; Schreiber MH, Gastrointest Radiol 1989; 14: 274

role of cimetidine-enhanced technetium-99m-pertechnetate imaging for visualizing Meckel's diverticulum, Diamond RH; Rothstein RD; Alavi A, J Nucl Med 1991; 32: 1422

segmental dilatation of the small bowel: report of three cases and literature review, Ratcliffe J; Tait J; Lisle D; Leditschke JF; Bell J, Radiology 1989; 171: 827

simplified approach to umbilical remnant abnormalities, DiSantis DJ; Siegel MJ; Katz ME, Radiographics 1991; 11: 59

test your skills, Rubesin SE; Herlinger H; De Gaeta L, Radiology 1990; 176: 636

Intestines, effects of irradiation on

adhesion formation in experimental chronic radiation enteropathy, McBride WH; Mason KA; Davis C; et al, Int J Radiat Oncol Biol Phys 1989; 16: 737

intestinal complications following accelerated fractionated X-irradiation: an experimental study in the rat, Hauer-Jensen M; Poulakos L; Osborne JW, Acta Oncol 1990; 29: 229

late radiation injury of the rectum and sigmoid colon: barium enema findings in 92 patients, den Hartog Jager FCA; Cohen P; van Haastert M, Br J Radiol 1989; 62: 807

late radiation injury of the small intestine: clinical, pathophysiologic and radiobiologic aspects: a review, Hauer-Jensen M, Acta Oncol 1990; 29: 401

severe small bowel radiation enteritis, Jaén J; Santos JA; Carrión JR; et al, Acta Oncol 1989; 28: 717

urinary excretion of iohexol in rats with radiation injury of the intestine, Laerum F; Solheim KE; Stordahl A; et al, Invest Radiol 1990; 25: S115

use of biodegradable mesh to prevent radiation-associated small-bowel injury, (ab), Dasmahapatra KS; Swaminathan AP, Radiology 1991; 180: 883

Intestines, hemorrhage

arterial embolization to control life-threatening hemorrhage from a Meckel's diverticulum, Okazaki M; Higashihara H; Yamasaki S; et al, AJR 1990; 154: 1257

Dieulafoy disease: a real entity?, Palmaz JC; Waltman AC, Radiology 1990; 174: 942

Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; 174: 937

intramural and intraperitoneal hemorrhage due to duodenal ulcer, Radin DR, AJR 1991; 157: 45

intraoperative scintigraphy for active small intestinal bleeding, (ab), Biener A; Palestro C; Lewis BS; et al, Radiology 1991; 179: 588

real-time ultrasound diagnosis of intramural intestinal hematoma, Chau W-K; Na A-T; Loh I-W; et al, JCU 1989; 17: 382

Intestines, hernia

CT diagnosis of bowel herniation at pelvic fracture site, Catsikis BD; French WM; Norcus G; et al, JCAT 1989; 13: 148

CT diagnosis of cecal herniation through the foramen of Winslow, Wojtasek DA; Codner MA; Nowak EJ, Gastrointest Radiol 1991; 16: 77

demonstration of para-ileostomy herniation using computed tomography, Etherington RJ; Williams JG; Hayward MWJ; et al, Clin Radiol 1990; 41: 333

incarcerated obturator hernia: case diagnosed at barium enema fluoroscopy, Glicklich M; Eliasoph J, Radiology 1989; 172: 51

radiologic features of closed loop obstruction: analysis of 25 confirmed cases, Maglinte DDT; Herlinger H; Nolan DJ, Radiology 1991; 179: 383

sciatic hernia with incarcerated ileum: CT and radiographic diagnosis, Ghahremani GG; Michael AS, Gastrointest Radiol 1991; 16: 120

Intestines, infarction

diagnosis of bowel infarction: a comparison of plain films and CT scans in 23 cases, Smerud MJ; Johnson CD; Stephens DH, AJR 1990; 154: 99

distal bowel infarction following angioplasty of the internal iliac artery, Bennett IC; Downes MO; Collins REC, Br J Radiol 1989; 62: 489

Intestines, inflammation

See Enteritis

Intestines, injuries

blunt intestinal injury: keys to diagnosis and management, (ab), Wisner DH; Chun Y; Blaisdell FW, Radiology 1991; 179: 291

case of the month: the forgotten incident, Tran TL; McCarty M, Br J Radiol 1990; 63: 659

intestinal injuries missed by computed tomography, (ab), Sherck JP; Oakes DD, Radiology 1990; 176: 587

Intestines, intussusception

See Intussusception

Intestines, ischemia

acute lethality after enteral administration of contrast media in anaesthetized rats with intestinal ischaemia, Stordahl A; Haider T; Laerum F, Acta Radiol 1989; 30: 213

computed tomographic findings in bowel ischemia, Pérez CM; Llauger J; Puig J; et al, Gastrointest Radiol 1989; 14: 241

general case of the day, Pérez CM; Llauger J; Donoso L; Martinez-Noguera A, Radiographics 1991; 11: 506

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; 171: 653

relief of mesenteric ischemia in type III aortic dissection with percutaneous fenestration of the aortic septum, Williams DM; Brothers TE; Messina LM, Radiology 1990; 174: 450

urinary excretion of iohexol after intestinal administration in rats with bowel ischaemia: the effects of mesenteric arterial and/or venous occlusion, Stordahl A, Acta Radiol 1989; 30: 87

Intestines, malrotation

case report: Fraser syndrome, cryptophthalmos with small bowel malrotation, Woodhead P; Hall C, Clin Radiol 1990; 42: 362

case report: malrotation and midgut volvulus presenting as malabsorption, Jackson A; Bisset R; Dickson AP, Clin Radiol 1989; 40: 536

malrotation of the bowel: malalignment of the superior mesenteric artery-vein complex shown by CT and MR, Shatzkes DR; Gordon DH; Haller JO; et al, JCAT 1990; 14: 93

mesenteric vascular anatomy at CT: normal and abnormal appearances, Zerin JM; DiPietro MA, Radiology 1991; 179: 739

midgut volvulus in infants: diagnosis with US: work in progress, Leonidas JC; Magid N; Soberman N; Glass TS, Radiology 1991; 179: 491

Intestines, motility

gastrointestinal tract: dynamic MR studies with echo-planar imaging, Stehling MK; Evans DF; Lamont G; Ordidge RJ; Howseman AM; Chapman B; Coxon R; Mansfield P; Hardcastle JD; Coupland RE, Radiology 1989; 171: 41

Intestines, MR

comparison of Kaopectate with barium for negative and positive enteric contrast at MR imaging, Mitchell DG; Vinitski S; Mohamed FB; Mammone JF; Haidet K; Rifkin MD, Radiology 1991; 181: 475

diagnosis of fistulae and sinus tracts in patients with Crohn disease: value of MR imaging, Koelbel G; Schmiedl U; Majer MC; et al, AJR 1989; 152: 999

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; 178: 503

gastrointestinal tract: dynamic MR studies with echo-planar imaging, Stehling MK; Evans DF; Lamont G; Ordidge RJ; Howseman AM; Chapman B; Coxon R; Mansfield P; Hardcastle JD; Coupland RE, Radiology 1989; 171: 41

intraluminal contrast enhancement and MR visualization of the bowel wall: efficacy of PFOB, Rubin DL; Muller HH; Nino-Murcia M; Sidhu M; Christy V; Young SW, JMRI 1991; 1: 371

Intestines, neoplasms

See Intestinal neoplasms

Intestines, obstruction

See Intestines, stenosis or obstruction

Intestines, parasites

See Parasites

Intestines, perforation

case of the month: the forgotten incident, Tran TL; McCarty M, Br J Radiol 1990; 63: 659

general case of the day, Zinkin EB; Brammer WM; Colombo CA, Radiographics 1990; 10: 1108

small bowel perforation during enteroclysis, Ginaldi S, Gastrointest Radiol 1991; 16: 29

spontaneous free perforation of the ileum in Crohn disease: CT demonstration, Goodman P; Raval B; Potter GD, Comput Med Imag Graph 1989; 13: 473

value of CT in detecting bowel perforation in children after blunt abdominal trauma, Bulas DI; Taylor GA; Eichelberger MR, AJR 1989; 153: 561

Intestines, radiography

adult celiac disease and its complications, Rubesin SE; Herlinger H; Saul SH; Grumbach K; Laufer I; Levine MS, Radiographics 1989; 9: 1045

barium meal study for amyloidosis of the small intestine: measurements on radiograph, Tada S; Iida M; Fuchigami T; et al, Gastrointest Radiol 1990; 15: 320

bowler hat sign, (ab), Miller WT Jr, Radiology 1991; 181: 291

ileal J pouch: radiologic evaluation in patients with and without postoperative infectious complications, Brown JJ; Balfe DM; Heiken JP; Becker JM; Soper NJ, Radiology 1990; 174: 115

ileocolic intussusception: new sign on the supine cross-table lateral radiograph, Johnson JF; Woisard KK, Radiology 1989; 170: 483

imaging insights in gastrointestinal radiology, (ab), Megibow AJ, Radiology 1990; 176: 587

impact of the small bowel study on patient management, Chen MYM; Ott DJ; Kelley TF; et al, Gastrointest Radiol 1991; 16: 189

laxatives prior to small bowel follow-through: are they necessary for a rapid and good-quality examination?, Richards DG; Stevenson GW, Gastrointest Radiol 1990; 15: 66

peroral pneumo colon—a double contrast technique to evaluate distal ileum and proximal colon, Mittal A; Saha MM; Pandey KK, Australas Radiol 1990; 34: 72

visualization of the mucosal villi on double-contrast barium studies of the small intestine by using a high molecular fraction of guaran, Desaga JF, Gastrointest Radiol 1989; 14: 25

Intestines, radionuclide studies

complete duodenogastric reflux: a scintigraphic sign of significant duodenal pathology, Drane WE; Hanner JS, J Nucl Med 1989; 30: 1568

correlation of ^{111}Indium WBC scintigraphy with ultrasound in the detection and assessment of inflammatory bowel disease, Khaw KT; Saverymuttu SH; Joseph AEA, Clin Radiol 1990; 42: 410

diagnostic significance of apparent abnormal bowel activity on Ga-67 scans in AIDS patients, Slizofski WJ; Brown SJ; Dadparvar S; et al, Clin Nucl Med 1991; 16: 473

incidental discovery of a large duplication cyst during Meckel's scintigraphy, Vazquez R; Oates E; Sarno RC; et al, Clin Nucl Med 1989; 14: 537

intermittent bleeding in a patient with multiple ulcerations near the terminal ileum visualized on Tc-99m RBC gastrointestinal imaging, Morita S; Ishibashi M; Hirayama T; et al, Clin Nucl Med 1990; 15: 923

intraoperative scintigraphy for active small intestinal bleeding, (ab), Biener A; Palestro C; Lewis BS; et al, Radiology 1991; 179: 588

Meckel's diverticulum in a 41-year-old patient: detection with pertechnetate scintigraphy, Laurin NR; Powe JE; Driedger AA, Clin Nucl Med 1990; 15: 195

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; 171: 653

radionuclide scintigraphy in tuberculous enteritis, Pettengell K; Garb M; Houlder A; et al, Gastrointest Radiol 1990; 15: 148

role of cimetidine-enhanced technetium-99m-pertechnetate imaging for visualizing Meckel's diverticulum, Diamond RH; Rothstein RD; Alavi A, J Nucl Med 1991; 32: 1422

role of scintigraphy in the management of inflammatory bowel disease, Rothstein RD; Alavi A, J Nucl Med 1991; 32: 856

Intestines, stenosis or obstruction

acute ileus from steroid withdrawal simulating intestinal obstruction after surgery for ulcerative colitis, (ab), Stelzner M; Phillips JD; Fonkalsrud EW, Radiology 1991; 178: 290

altered gastric and duodenal motility in intestinal obstruction, Hunter TB; Fajardo LL; Jarvis JL; et al, Gastrointest Radiol 1990; 15: 193

bowel obstruction: evaluation with CT, Megibow AJ; Balthazar EJ; Cho KC; Medwid SW; Birnbaum BA; Noz ME, Radiology 1991; 180: 313

bowel obstruction in an infant with AIDS, Sivit CJ; Taylor GA; Patterson K; et al, AJR 1990; 154: 803

case report: pelvic actinomycosis with the development and resolution of a recto-sigmoid stricture, Turnbull AE; Cohen MEL, Clin Radiol 1991; 43: 420

case report: ultrasound in the diagnosis of gallstone ileus, Davies RJ; Sandrasagra FA; Joseph AEA, Clin Radiol 1991; 43: 282

closed loop obstruction: diagnosis by enteroclysis, Price J; Nolan DJ, Gastrointest Radiol 1989; 14: 251

closed-loop obstruction of the small bowel: CT and sonographic appearance, Cho KC; Hoffman-Tretin JC; Alterman DD, JCAT 1989; 13: 256

CT diagnosis of gall stone ileus, Leen GLS; Finlay M, Acta Radiol 1990; 31: 497

CT evaluation of bowel obstruction: a landmark article—implications for the future, Rubesin SE; Herlinger H, Radiology 1991; 180: 307

"diaphragm-like" strictures of the small bowel in patients treated with non-steroidal anti-inflammatory drugs, Levi S; de Lacey G; Price AB; et al, Br J Radiol 1990; 63: 186
diffuse ileal conduit stenosis from Crohn's disease, Walser EM; Kopecky KK; Rowland R, Urol Radiol 1990; 12: 160
diffuse stenosis of the ileum after ureteroileal interposition: radiologic-pathologic correlation in two cases, Tung GA; Papanicolaou N; Zukerberg LR; et al, AJR 1991; 157: 315
direct percutaneous drainage of an obstructed afferent loop, Maile CW; Hanna PD, AJR 1989; 152: 521
enteroclysis in the diagnosis of intestinal obstruction in the early postoperative period, Dehn TCB; Nolan DJ, Gastrointest Radiol 1989; 14: 15
enterolithiasis as a cause of intestinal obstruction, LeBolt SA; Turner MA, J Canad Assoc Radiol 1989; 40: 119
enteroliths of small bowel diverticula, Herbetko J; Brunton FJ, Clin Radiol 1991; 43: 311
familial superior mesenteric artery syndrome, Ortiz C; Cleveland RH; Blickman JG; et al, Pediatr Radiol 1990; 20: 588
free intraperitoneal fluid in patients with intestinal obstruction without clinical or radiological evidence of perforation, Procter AE, Clin Radiol 1989; 40: 320
gastrointestinal tract obstruction in the fetus, (ab), Langer JC; Adzick NS; Filly RA; et al, Radiology 1990; 175: 293
ileocolic intussusception: extensive reflux of air preceding pneumatic reduction, Hedlund GL; Johnson JF; Strife JL, Radiology 1990; 174: 187
incarcerated obturator hernia: case diagnosed at barium enema fluoroscopy, Glicklich M; Eliasoph J, Radiology 1989; 172: 51
intestinal obstruction diagnosed by cholescintigraphy, Crotty J; Gupta SM, Clin Nucl Med 1990; 15: 870
intestinal obstruction in a neonate with adrenal hemorrhage and renal vein thrombosis, Levine C, Pediatr Radiol 1989; 19: 477
plasma electrolyte status following enteroclysis in patients with partial small-bowel obstruction, Barloon TJ; Yang CJC; Berbaum KS; et al, Invest Radiol 1989; 24: 616
radiological feature to assist in the diagnosis of intestinal obstruction, Walker J; Carty H, Br J Radiol 1989; 62: 1105
radiologic features of closed loop obstruction: analysis of 25 confirmed cases, Maglinte DDT; Herlinger H; Nolan DJ, Radiology 1991; 179: 383
role of contrast radiography in presumed bowel obstruction, (ab), Riveron FA; Obeid FN; Horst HM; et al, Radiology 1990; 174: 898
single tuberculous stricture in the jejunum: report of 2 cases, Fukuya T; Yoshimitsu K; Kitagawa S; et al, Gastrointest Radiol 1989; 14: 300
small bowel phytobezoars: detection with radiography, Verstandig AG; Klin B; Bloom RA; Hadas I; Libson E, Radiology 1989; 172: 705

Intestines, surgery

ileal J pouch: radiologic evaluation in patients with and without postoperative infectious complications, Brown JJ; Balfe DM; Heiken JP; Becker JM; Soper NJ, Radiology 1990; 174: 115
length of residual small bowel after partial resection: correlation between radiographic and surgical measurements, Nightingale JMD; Bartram CI; Lennard-Jones JE, Gastrointest Radiol 1991; 16: 305

Intestines, transplantation

human orthotopic small intestine transplantation: radiologic assessment, Bach DB; Hurlbut DJ; Romano WM; Sutherland FR; Garcia BM; Wall WJ; Ghent CN; Grant DR, Radiology 1991; 180: 37

Intestines, ulcer

See Peptic ulcer

Intestines, US

20-MHz ultrasound system for imaging the intestinal wall, Martin RW; Silverstein FE; Kimmey MB, Ultrasound Med Biol 1989; 15: 273
acute Meckel's diverticulitis: diagnosis by ultrasonography, Larson JM; Ellinger DM; Zdybel PJ; et al, JCU 1989; 17: 682
blood flow in the superior mesenteric artery: estimation with Doppler US, Taylor GA, Radiology 1990; 174: 15
cecal diverticulitis differentiated from appendicitis using graded-compression sonography, Townsend RR; Jeffrey RB Jr; Laing FC, AJR 1989; 152: 1229
closed-loop obstruction of the small bowel: CT and sonographic appearance, Cho KC; Hoffman-Tretin JC; Alterman DD, JCAT 1989; 13: 256
correlation of ^{111}Indium WBC scintigraphy with ultrasound in the detection and assessment of inflammatory bowel disease, Khaw KT; Saverymuttu SH; Joseph AEA, Clin Radiol 1990; 42: 410
diagnosis of inflammatory bowel disease with ultrasound: an in vitro study, Kimmey MB; Wang KY; Haggitt RC; et al, Invest Radiol 1990; 25: 1085
documentation of spontaneous reduction of childhood intussusception by ultrasound, Morrison SC; Stork E, Pediatr Radiol 1990; 20: 358
giant Meckel diverticulum containing enteroliths diagnosed by computed tomography and sonography, Torii Y; Hisatsune I; Imamura K; et al, Gastrointest Radiol 1989; 14: 167
infected duplication cyst of ileum masquerading as an adnexal abscess—ultrasonographic features, Caspi B; Schachter M; Lancet M, JCU 1989; 17: 431
midgut volvulus in infants: diagnosis with US: work in progress, Leonidas JC; Magid N; Soberman N; Glass TS, Radiology 1991; 179: 491
real-time ultrasound diagnosis of intramural intestinal hematoma, Chau W-K; Na A-T; Loh I-W; et al, JCU 1989; 17: 382
sono-enterocolonography by oral water administration, Hirooka N; Ohno T; Misonoo M; et al, JCU 1989; 17: 585
sonographic detection of a small-bowel bezoar, Tennenhouse JE; Wilson SR, J Ultrasound Med 1990; 9: 603
sonographic features of pneumatosis of the small bowel, Vijayaraghavan SB, JCU 1990; 18: 579
superior mesenteric artery blood flow velocity and estimated volume flow: duplex Doppler US study of preterm and term neonates, Van Bel F; Van Zwieten PHT; Guit GL; Schipper J, Radiology 1990; 174: 165
typhoid fever: diagnosis by using sonography, Puylaert JBCM; Kristjánsdóttir S; Golterman KL; et al, AJR 1989; 153: 745
ultrasonic features of ileocecal intussusception, Skaane P; Skjennald A, JCU 1989; 17: 590
ultrasonography of intestinal ascaris, Peck RJ, JCU 1990; 18: 741
ultrasound findings in post-operative jejunojejunal intussusception, Beek FJA; Rövekamp MH; Bax NMA; et al, Pediatr Radiol 1990; 20: 601
ultrasound in intussusception: a false cystic lead point, Kenney IJ, Pediatr Radiol 1990; 20: 348
unusual combination of an appendicolith in a leukemic patient with typhlitis—ultrasound diagnosis, Rodgers B; Seibert JJ, JCU 1990; 18: 191
Yersinia terminal ileitis: sonographic findings in eight patients, Matsumoto T; Iida M; Sakai T; et al, AJR 1991; 156: 965

Intestines, volvulus

case report: malrotation and midgut volvulus presenting as malabsorption, Jackson A; Bisset R; Dickson AP, Clin Radiol 1989; 40: 536
computed tomography in volvulus of the midgut, Paul AB; Dean DM, Br J Radiol 1990; 63: 893
general case of the day, Pérez CM; Llauger J; Donoso L; Martinez-Noguera A, Radiographics 1991; 11: 506
midgut volvulus in infants: diagnosis with US: work in progress, Leonidas JC; Magid N; Soberman N; Glass TS, Radiology 1991; 179: 491
radiologic features of closed loop obstruction: analysis of 25 confirmed cases, Maglinte DDT; Herlinger H; Nolan DJ, Radiology 1991; 179: 383
solitary hyperdynamic pulsating superior mesenteric artery: an additional dynamic sonographic feature of midgut volvulus, Smet M-H; Marchal G; Ceulemans R; et al, Pediatr Radiol 1991; 21: 156
sonographic findings in a twin with congenital fetal volvulus, Alvarez M; Lasker MR; Friedman F Jr; et al, JCU 1991; 19: 98
volvulus of the splenic flexure: radiographic features, Mindelzun RE; Stone JM, Radiology 1991; 181: 221

Intussusception

air enema for diagnosis and reduction of intussusception: clinical experience and pressure correlates, Shiels WE II; Maves CK; Hedlund GL; Kirks DR, Radiology 1991; 181: 169
are hydrostatic and pneumatic methods of intussusception reduction comparable?, Sargent MA; Wilson BPM, Pediatr Radiol 1991; 21: 346
blue rubber bleb nevus syndrome: CT diagnosis of intussusception, Tyrrel RT; Baumgartner BR; Montemayor KA, AJR 1990; 154: 105
comparative examination of various rectal tubes and contrast media for the reduction of intussusceptions, Schmitz-Rode T; Müller-Leisse C; Alzen G, Pediatr Radiol 1991; 21: 341
computed tomographic appearances and clinical significance of intussusception in adults with malignant neoplasms, Lorigan JG; DuBrow RA, Br J Radiol 1990; 63: 257
computed tomography in adult intussusception, Bar-Ziv J; Solomon A, Gastrointest Radiol 1991; 16: 264
computed tomography of acute jejunogastric intussusception, Leyman P; Ponette E; Marchal G; et al, JCAT 1989; 13: 531
computed tomography of ileoileocolic intussusception caused by a lipoma, Yoshimitsu K; Fukuya T; Onitsuka H; et al, JCAT 1989; 13: 704
contrast media in intussusception, Campbell JB, Pediatr Radiol 1989; 19: 293
CT appearance of retrograde jejunoduodenogastric intussusception: a rare complication of gastrostomy tubes, Weber A; Nadel S, AJR 1991; 156: 957
CT appearances of jejunojejunal intussusception, Knox AM; Donovan DA; Wilkinson MR, Australas Radiol 1990; 34: 264
documentation of spontaneous reduction of childhood intussusception by ultrasound, Morrison SC; Stork E, Pediatr Radiol 1990; 20: 358
gas reduction of intussusception, de Campo JF; Phelan E, Pediatr Radiol 1989; 19: 297
gastro-oesophageal intussusception after Nissen-fundoplication, Post PJM; Robben SGF; Meradji M, Pediatr Radiol 1990; 20: 282
gastro-oesophageal intussusception after Nissen-fundoplication, Post PJM; Robben SGF; Meradji M, Pediatr Radiol 1990; 20: 297
hydrostatic reduction of ileocolic intussusception: a second attempt in the operating room with general anesthesia, (ab), Collins DL; Pinckney LE; Miller KE; et al, Radiology 1990; 176: 296
ileocolic intussusception: extensive reflux of air preceding pneumatic reduction, Hedlund GL; Johnson JF; Strife JL, Radiology 1990; 174: 187
ileocolic intussusception: new sign on the supine cross-table lateral radiograph, Johnson JF; Woisard KK, Radiology 1989; 170: 483
ileocolic intussusception with enterogenous cyst: ultrasonic diagnosis, Adamsbaum C; Sellier N; Helardot P, Pediatr Radiol 1989; 19: 325
intestinal intussusception as a presenting feature of choledochocele, Ramos A; Castelló J; Pinto I, Gastrointest Radiol 1990; 15: 211
intussusception: clinical and radiographic factors influencing reducibility, Stephenson CA; Seibert JJ; Strain JD; et al, Pediatr Radiol 1989; 20: 57

intussusception: factors related to treatment, (ab), Reijnen JAM; Festen C; van Roosemalen RP, Radiology 1991; **178:** 592

intussusception: hydrostatic pressure equivalents for barium and meglumine sodium diatrizoate, Kuta AJ; Benator RM, Radiology 1990; **175:** 125

pitfalls in the diagnosis of intussusception, Alzen G; Funke G; Truong S, JCU 1989; **17:** 481

pneumatic reduction: advantages, risks and indications, Stringer DA; Ein SH, Pediatr Radiol 1990; **20:** 475

postoperative intussusception: experience with 36 cases in children, (ab), West KW; Stephens B; Rescorla FJ; et al, Radiology 1989; **171:** 592

postprandial epigastric discomfort in a young adult male, Vassallo P; Krings W; Reiser MF; et al, Invest Radiol 1990; **25:** 1061

rectal intussusception and rectal prolapse: detection and postoperative evaluation with defecography, Goei R; Baeten C, Radiology 1990; **174:** 124

retrograde intussusception of the bypassed duodenojejunal segment after Roux-en-Y gastrectomy: computed tomography findings, Denath FM; Kweka EL, J Canad Assoc Radiol 1991; **42:** 135

significance of age, duration, obstruction and the dissection sign in intussusception, Barr LL; Stansberry SD; Swischuk LE, Pediatr Radiol 1990; **20:** 454

simple device for air reduction of intussusception, Shiels WE II; Bisset GS III; Kirks DR, Pediatr Radiol 1990; **20:** 472

test your skills, Rubesin SE; Herlinger H; De Gaeta L, Radiology 1990; **176:** 636

transient intussusception in Crohn disease: CT evaluation, Knowles MC; Fishman EK; Kuhlman JE; Bayless TM, Radiology 1989; **170:** 814

ultrasonic features of ileocecal intussusception, Skaane P; Skjennald A, JCU 1989; **17:** 590

ultrasonographic detection of free peritoneal fluid in uncomplicated intussusception, Swischuk LE; Stansberry SD, Pediatr Radiol 1991; **21:** 350

ultrasound Doppler of recurrent intussusception due to inflammatory fibroid polyp of the ileum, Sampson MA; Lyons TJ; Nottingham J; et al, J Ultrasound Med 1990; **9:** 423

ultrasound findings in post-operative jejunojejunal intussusception, Beek FJA; Rövekamp MH; Bax NMA; et al, Pediatr Radiol 1990; **20:** 601

ultrasound in intussusception: a false cystic lead point, Kenney IJ, Pediatr Radiol 1990; **20:** 348

Iodine and iodine compounds

lymphoceles: percutaneous treatment with povidone-iodine sclerosis, Gilliland JD; Spies JB; Brown SB; Yrizarry JM; Greenwood LH, Radiology 1989; **171:** 227

neurography using the intramuscular injection of ionic iodine contrast media, Penev B; Goldner B; Pišteljič D, Neuroradiol 1990; **32:** 316

transcatheter oily chemoembolization of hepatocellular carcinoma, Nakamura H; Hashimoto T; Oi H; Sawada S, Radiology 1989; **170:** 783

Iodine and iodine compounds, radioactive

alterations of iodine-131 MIBG biodistribution in an anephric patient: comparison to normal and impaired renal function, Tobes MC; Fig LM; Carey J; et al, J Nucl Med 1989; **30:** 1476

cellular internalization, transport, and esterification of iodine-125-NP59 by MA-10 Leydig tumor cells, Freeman DA; Counsell RE, J Nucl Med 1991; **32:** 495

clinical comparison of I-131 orthoiodohippurate and the kit formulation of Tc-99m mercaptoacetyltriglycine, Taylor A Jr; Ziffer JA; Steves A; Eshima D; Delaney VB; Welchel JD, Radiology 1989; **170:** 721

comparison of 1073 MBq and 3700 MBq iodine-131 in postoperative ablation of residual thyroid tissue in patients with differentiated thyroid cancer, Johansen K; Woodhouse NJY; Odugbesan O, J Nucl Med 1991; **32:** 252

cystic thyroid mass following I-131 treatment of papillary thyroid carcinoma: an unusual complication, Morrish DW; Jackson FI; Lalani ZH; et al, Clin Nucl Med 1989; **14:** 894

fractionated doses of radioiodine for ablation of postsurgical thyroid tissue remnants, Arad E; Flannery K; Wilson GA; et al, Clin Nucl Med 1990; **15:** 676

haematological effects from radioiodine treatment of thyroid carcinoma, Keldsen N; Mortensen BT; Hansen HS, Acta Oncol 1990; **29:** 1035

high affinity dopamine D2 receptor radioligands. 1. regional rat brain distribution of iodinated benzamides, Kessler RM; Ansari MS; de Paulis T; et al, J Nucl Med 1991; **32:** 1593

iodine-125 applicator designed for irradiating blood vessels growing into the cornea of the eye, Hering ER; Sealy R; Korrubel JB; et al, Br J Radiol 1989; **62:** 266

iodine-131 treatment of Graves' disease using modified early iodine-131 uptake measurements in therapy dose calculations, Hayes AA; Akre CM; Gorman CA, J Nucl Med 1990; **31:** 519

kit formulation for preparation of iodine-123-IBZM: a new CNS D-2 dopamine receptor imaging agent, Kung M-P; Liu B-L; Yang Y-Y; et al, J Nucl Med 1991; **32:** 339

long-term follow-up in toxic solitary autonomous thyroid nodules treated with radioactive iodine, Huysmans DA; Corstens FH; Kloppenborg PW, J Nucl Med 1991; **32:** 27

multiplanar arc boost radiation therapy for prostate cancer, Serago CF; Lewin AA; Houdek PV; Schwade JG; Abitol AA, Radiology 1989; **172:** 561

nasal radioiodine activity: a prospective study of frequency, intensity, and pattern, Norby EH; Neutze J; Van Nostrand D; et al, J Nucl Med 1990; **31:** 52

nasal secretion of iodine-131, Boxen I; Zhang ZM, Clin Nucl Med 1990; **15:** 610

optimal iodine-131 dose for eliminating hyperthyroidism in Graves' disease, Nordyke RA; Gilbert FI Jr, J Nucl Med 1991; **32:** 411

quantitative SPECT reconstruction of iodine-123 data, Gilland DR; Jaszczak RJ; Greer KL; et al, J Nucl Med 1991; **32:** 527

radiation dosimetry for the adult female and fetus from iodine-131 administration in hyperthyroidism, Stabin MG; Watson EE; Marcus CS; et al, J Nucl Med 1991; **32:** 808

radiation safety considerations for post-iodine-131 hyperthyroid therapy, Culver CM; Dworkin HJ, J Nucl Med 1991; **32:** 169

radioimmunodetection of neuroblastoma with iodine-131-3F8: correlation with biopsy, iodine-131-metaiodobenzylguanidine and standard diagnostic modalities, Yeh SDJ; Larson SM; Burch L; et al, J Nucl Med 1991; **32:** 769

recent developments in the radiolabeling of antibodies with iodine, indium, and technetium, Hnatowich DJ, Semin Nucl Med 1990; **20:** 80

single-dose subcutaneous iodine-131-iodohippurate for determination of renal plasma flow, Grant ME; Herron KG; MacDougall ML; et al, J Nucl Med 1991; **32:** 1452

synthesis and evaluation of new iodine-125 radiopharmaceuticals as potential tracers for malignant melanoma, Michelot JM; Moreau M-FC; Labarre PG; et al, J Nucl Med 1991; **32:** 1573

Iohexol

acute renal dysfunction in high-risk patients after angiography: comparison of ionic and nonionic contrast media, Gomes AS; Lois JF; Baker JD; McGlade CT; Bunnell DH; Hartzman S, Radiology 1989; **170:** 65

adult myelography with iohexol, Belanger JG; Blair IG; Elder AM; et al, J Canad Assoc Radiol 1990; **41:** 191

case report: severe adverse reaction to oral iohexol, Glover JR; Thomas BM, Clin Radiol 1991; **44:** 137

changes in atrial natriuretic peptide concentration at femoral arteriography in man, Sörensen L; Svanegård J; Poulsen J, Acta Radiol 1989; **30:** 665

comparison of the systemic responses to rapid intravenous injections of ioxilan, iohexol, and diatrizoate in rabbits, Morris TW; Prentice LI; Ventura J, Invest Radiol 1989; **24:** 294

contrast media- and pharmacologic-induced nephropathies: effects of diatrizoate and iohexol on urine profiles in rats, Thomsen HS, Invest Radiol 1990; **25:** S129

double blind clinical study comparing the safety, tolerance and efficacy of ioversol 240 and iohexol 240 (Omnipaque 240) in ascending venography, Wilkins RA; Spinks BC, Clin Radiol 1990; **41:** 268

double-blind clinical study comparing the safety, tolerance and efficacy of Ioversol and Iohexol in intravenous urography, Colthurst JR; Chan O; Creagh M; et al, Clin Radiol 1990; **42:** 174

effect of iohexol on brainstem auditory evoked potentials: a prospective study on 30 patients, Yip P-K; Chang YC; Liu HM, Neuroradiol 1991; **33:** 313

effect of sodium addition to non-ionic contrast media on cardiac contractile force: perfusion of the isolated rabbit heart with iohexol and iopentol containing 0 to 154 mmol Na^+/l added as NaCl, Bååth L; Almén T; Öksendal A, Acta Radiol 1990; **31:** 99

effects of iopamidol and iohexol in rat lungs following experimental aspiration, D'Agostino HRV; Liebig RJ; McGovern M; et al, Invest Radiol 1989; **24:** 899

esophageal disruption: evaluation with iohexol esophagography, Mills JOM, Radiology 1989; **173:** 284

estimation of glomerular filtration rate from low-dose injection of iohexol and a single blood sample, Thomsen HS; Hvid-Jacobsen K, Invest Radiol 1991; **26:** 332

experimental nephrotoxicity of the radiocontrast agents iohexol, ioxaglate, and iothalamate: an in vitro and in vivo study, Brezis M; Greenfeld Z; Herman M; et al, Invest Radiol 1991; **26:** 325

extravasation of iopamidol and iohexol during contrast-enhanced CT: report of 28 cases, Sistrom CL; Gay SB; Peffley L, Radiology 1991; **180:** 707

gentamicin nephropathy and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Skaarup P; Larsen S; et al, Acta Radiol 1990; **31:** 401

incompatibility of contrast agents with intravascular medications: work in progress, Irving HD; Burbridge BE, Radiology 1989; **173:** 91

influence of urography on renal function in children: a double blind study with metrizoate and iohexol, Stake G; Monn E; Rootwelt K; et al, Acta Radiol 1989; **30:** 643

intravenous urography with a new non-ionic contrast media in a clinical phase III study: iopentol vs iohexol, Rasmussen F; Dyreborg U; Larsen C; et al, Clin Radiol 1990; **41:** 37

iohexol for contrast enhancement of bowel in pediatric abdominal CT, Smevik B; Westvik J, Acta Radiol 1990; **31:** 601

iopentol compared with iohexol in carotid angiography: a double blind crossover test of a new non-ionic contrast medium, Nakstad PH; Skalpe IO; Bakke SJ; et al, Acta Radiol 1990; **31:** 221

laryngeal edema, following the injection of iohexol into the subarachnoid space, Agildere AM; Haliloglu M; Cila A; et al, Neuroradiol 1991; **33:** 290

lower extremity venography with iohexol: results and complications, Lensing AWA; Prandoni P; Büller HR; Casara D; Cogo A; Wouter ten Cate J, Radiology 1990; **177:** 503

low osmolality contrast media and metabolic changes in the myocardium during free and reduced coronary flow in the dog, Klöw N-E; Hevrøy O; Mortensen E; et al, Invest Radiol 1990; **25:** 127

lumbar myelography with iohexol in outpatients: prospective multicenter evaluation of safety, Wang H; Binet EF; Gabrielsen TO; Rosenbaum AE, Radiology 1989; **173:** 239

measurement of renal function with iohexol: a comparison of iohexol, ^{99m}Tc-DTPA, and ^{51}Cr-EDTA clearance, Effersöe H; Rosenkilde P; Groth S; et al, Invest Radiol 1990; **25:** 778

muscle toxicity of diatrizoate and iohexol in rabbits: a model for local tissue damage, Thomsen HS; Golman K; Svendsen O, Acta Radiol 1991; 32: 182

nephrotoxicity from contrast material in renal insufficiency: ionic versus nonionic agents, Harris KG; Smith TP; Cragg AH; Lemke JH, Radiology 1991; 179: 849

nephrotoxicity of cyclosporin A and contrast media: a comparison between diatrizoate and iohexol in rats, Thomsen HS; Larsen S; Skaarup P; et al, Acta Radiol 1989; 30: 647

normal collecting ducts: visualization at urography, Ohlson L, Radiology 1989; 170: 33

ongoing clinical trial of iohexol in previous contrast-material reactors, Siegle RL; Silvay-Mandeau O, Invest Radiol 1990; 25: S24

outpatient lumbar radiculography: comparison of iopamidol and iohexol and a literature review, Davies AM; Evans N; Chandy J, Br J Radiol 1989; 62: 716

out-patient lumbar radiculography with iohexol, Davies AM; Fitzgerald R; Evans N, Clin Radiol 1989; 40: 413

outpatient myelography with iohexol and iopamidol; pilot study and contrast trial, Waugh JR; Sacharias N, Australas Radiol 1989; 33: 56

pharmacokinetics of three contrast media in experimental pancreatography, Saari A, Acta Radiol 1989; 30: 81

post-myelographic meningeal irritation with iohexol, Alexiou J; Deloffre D; Vandresse J-H; et al, Neuroradiol 1991; 33: 85

reactions to ionic and nonionic contrast media, Benness GT; Fischer HW, Radiology 1989; 170: 282

renal effects of iopentol and iohexol after intravenous injection, (ab), Jakobsen JA; Kolbenstvedt AN; Berg KJ, Acta Radiol 1991; 32: 320

renal papillary blushes and nonionic contrast agents, Whitehouse RW, Radiology 1989; 172: 581

side effects after ambulatory lumbar iohexol myelography, Sand T; Myhr G; Stovner LJ; et al, Neuroradiol 1989; 31: 49

side effects after lumbar iohexol myelography: relation to radiological diagnosis, sex and age, Sand T; Myhr G; Stovner LJ; et al, Neuroradiol 1990; 31: 523

sodium addition and/or oxygen saturation of iohexol during normal and reduced perfusion pressure: effects on contractile force and risk of ventricular fibrillation in the isolated rabbit heart, Bååth L, Acta Radiol 1990; 31: 525

urinary excretion of iohexol after intestinal administration in rats with bowel ischaemia: the effects of mesenteric arterial and/or venous occlusion, Stordahl A, Acta Radiol 1989; 30: 87

urinary excretion of iohexol in rats with radiation injury of the intestine, Laerum F; Solheim KE; Stordahl A; et al, Invest Radiol 1990; 25: S115

use of iohexol in patients with previous reactions to ionic contrast material: a multicenter clinical trial, Siegle RL; Halvorsen RA; Dillon J; et al, Invest Radiol 1991; 26: 411

Iopamidol

acute toxic myopathy: a delayed adverse effect of intravenous urography with iopamidol 370, Stinchcombe SJ; Davies P, Br J Radiol 1989; 62: 949

case report: iodide mumps following intravenous urography with iopamidol, Wylie EJ; Mitchell DB, Clin Radiol 1991; 43: 135

comparison of iopromide and iopamidol in left ventricular angiography and in coronary angiography, Dyet JF; Carter EC; Hartley WC, Br J Radiol 1990; 63: 700

comparison of low osmolality ionic (ioxaglate) versus nonionic (iopamidol) contrast media in cardiac angiography, (ab), Wisneski JA; Gertz EW; Dahlgren M; et al, Radiology 1989; 173: 586

effect of intracarotid injection of iopamidol on local cerebral glucose utilization in rat brain, d'Avella D; Cicciarello R; Albiero F; et al, AJNR 1989; 10: 797

effects of iopamidol and iohexol in rat lungs following experimental aspiration, D'Agostino HRV; Liebig RJ; McGovern M; et al, Invest Radiol 1989; 24: 899

extravasation of iopamidol and iohexol during contrast-enhanced CT: report of 28 cases, Sistrom CL; Gay SB; Peffley L, Radiology 1991; 180: 707

high-dose contrast-enhanced computed tomography (CECT) with iopamidol in the detection of cerebral metastases: tolerance of the contrast agent, Leonardi M; Lavaroni A; Biasizzo E; et al, Neuroradiol 1989; 31: 148

incompatibility of contrast agents with intravascular medications: work in progress, Irving HD; Burbridge BE, Radiology 1989; 173: 91

iopamidol as a gastrointestinal contrast agent: lack of peritoneal reactivity, Ferrante SL; Schreiman JS; Rouse JW; et al, Invest Radiol 1990; 25: 141

outpatient lumbar radiculography: comparison of iopamidol and iohexol and a literature review, Davies AM; Evans N; Chandy J, Br J Radiol 1989; 62: 716

outpatient myelography with iohexol and iopamidol; pilot study and contrast trial, Waugh JR; Sacharias N, Australas Radiol 1989; 33: 56

reactions to ionic and nonionic contrast media, Benness GT; Fischer HW, Radiology 1989; 170: 282

shoulder arthrography with sodium meglumine metrizoate and iopamidol, Ahovuo J; Paavolainen P; Saarinen O, Skeletal Radiol 1989; 18: 89

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Giang DW; Kido DK, Radiology 1989; 172: 195

transient global amnesia associated with cerebral angiography performed with use of iopamidol, Minuk J; Melançon D; Tampieri D; Ethier R, Radiology 1990; 174: 285

Iotrolan

aseptic meningitis complicating iotrolan myelography, Nakakoshi T; Moriwaka F; Tashiro K; et al, AJNR 1991; 12: 173

knee arthrography: comparison of iotrolan and ioxaglate sodium meglumine, Obermann WR; Bloem JL; Hermans J, Radiology 1989; 173: 197

Ioxaglate

comparison of Hexabrix 320 and Hexabrix 250 in aortoperipheral arteriography: towards cheaper low osmolar contrast media?, Joyce PF; O'Neill M; Kweka E; et al, Cardiovasc Intervent Radiol 1989; 12: 161

comparison of low osmolality ionic (ioxaglate) versus nonionic (iopamidol) contrast media in cardiac angiography, (ab), Wisneski JA; Gertz EW; Dahlgren M; et al, Radiology 1989; 173: 586

contrast media-related complications during cardiac catheterization using Hexabrix™ or Renografin™ in high-risk patients, (ab), Feldman RL; Jalowiec DA; Hill JA; et al, Radiology 1989; 170: 293

cytogenic effects of diatrizoate and ioxaglate on patients undergoing excretory urography, Nuñez ME; Sinués B, Invest Radiol 1990; 25: 692

effect of Hexabrix tracheobronchography on the ultrastructure of the airway epithelium, Konrádová V; Tůma S; Kanta J, Pediatr Radiol 1990; 20: 440

experimental nephrotoxicity of the radiocontrast agents iohexol, ioxaglate, and iothalamate: an in vitro and in vivo study, Brezis M; Greenfeld Z; Herman M; et al, Invest Radiol 1991; 26: 325

Hexabrix 320® for C.T. (computed tomography)—patient tolerance and image quality, Stuckey JG; James RH, Australas Radiol 1990; 34: 40

incompatibility of contrast agents with intravascular medications: work in progress, Irving HD; Burbridge BE, Radiology 1989; 173: 91

ioxaglate-carrying liposomes: computed tomographic study as hepatosplenic contrast agent in rabbits, Revel D; Corot C; Carrillon Y; et al, Invest Radiol 1990; 25: S95

ioxaglate: contraindicated for penile cavernosography?, Mulligan JS Jr, Radiology 1990; 174: 286

ioxaglate: contraindicated for penile cavernosography?: reply, Bookstein JJ, Radiology 1990; 174: 286

ioxaglate-induced light and electron microscopic alterations in the renal proximal tubular epithelium of rats, Battenfeld R; Khater AER; Drommer W; et al, Invest Radiol 1991; 26: 35

knee arthrography: comparison of iotrolan and ioxaglate sodium meglumine, Obermann WR; Bloem JL; Hermans J, Radiology 1989; 173: 197

low osmolality contrast media and metabolic changes in the myocardium during free and reduced coronary flow in the dog, Kjøw N-E; Hevrøy O; Mortensen E; et al, Invest Radiol 1990; 25: 127

pharmacokinetics of three contrast media in experimental pancreatography, Saari A, Acta Radiol 1989; 30: 81

Iridium, radioactive

calibration of a Microselectron HDR iridium 192 source, Flynn A; Workman G, Br J Radiol 1991; 64: 734

clinical advantages of I-125 seeds as a substitute for Ir-192 seeds in temporary plastic tube implants, Clarke DH; Edmundson GK; Martinez A; et al, Int J Radiat Oncol Biol Phys 1989; 17: 859

clinical usefulness of ultrashort-lived iridium-191m from a carbon-based generator system for the evaluation of the left ventricular function, Franken PR; Dobbeleir AA; Ham HR; et al, J Nucl Med 1989; 30: 1025

effect of dose rate on local control and complications in the reirradiation of head and neck tumors with interstitial iridium-192, Fontanesi J; Hetzler D; Ross J, Int J Radiat Oncol Biol Phys 1989; 17: 365

influence of pH adjustment agents on the biologic behavior of osmium-191 impurity in iridium-191m generator eluates, Weininger J; Issachar D; Lubin E; et al, J Nucl Med 1990; 31: 523

interstitial iridium 192 for cutaneous carcinoma of the external nose, Crook JM; Mazeron J-J; Marinello G; et al, Int J Radiat Oncol Biol Phys 1990; 18: 243

iridium-192 applicator for the treatment of stomal recurrence following tracheostomy for subglottic carcinoma, Jones RD; Clarkson DG; Symonds RP; et al, Br J Radiol 1991; 64: 270

iridium-192 curietherapy for T1 and T2 epidermoid carcinomas of the floor of mouth, Mazeron JJ; Grimard L; Raynal M; et al, Int J Radiat Oncol Biol Phys 1990; 18: 1299

iridium 192 implantation of T1 and T2 carcinomas of the mobile tongue, Mazeron JJ; Crook JM; Benck V; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1369

osmium-191/iridium-191m generator based on silica gel impregnated with tridodecylmethylammonium chloride, Issachar D; Abrashkin S; Weininger J; et al, J Nucl Med 1989; 30: 538

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; 176: 267

prognostic factors of local outcome for T1, T2 carcinomas of oral tongue treated by iridium 192 implantation, Mazeron JJ; Crook JM; Marinello G; et al, Int J Radiat Oncol Biol Phys 1990; 19: 281

Iron

1990 ARRS President's Award: MR receptor imaging: ultrasmall iron oxide particles targeted to asialoglycoprotein receptors, Weissleder R; Reimer P; Lee AS; et al, AJR 1990; 155: 1161

asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; 178: 769

assessment of a superparamagnetic iron oxide (AMI-25) as a brain contrast agent, Kent TA; Quast MJ; Kaplan BJ; et al, Magn Res Med 1990; 13: 434

basal ganglia: significance of signal hypointensity on T2-weighted MR images, Drayer BP, Radiology 1989; 173: 311

cardiovascular MR imaging with iron oxide particles: utility of a superparamagnetic contrast agent and the role of diffusion in signal loss, Rozenman Y; Zou X; Kantor HL, Radiology 1990; 175: 655

clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT, Radiology 1990; 174: 361

comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL, JMRI 1991; 1: 357

comparison of iron-59, indium-111, and gallium-69 transferrin as a macromolecular tracer of vascular permeability and the transferrin receptor, Otsuki H; Brunetti A; Owens ES; et al, J Nucl Med 1989; 30: 1676

deep gray matter hypointensity patterns with aging in healthy adults: MR imaging at 1.5 T, Milton WJ; Atlas SW; Lexa FJ; Mozley PD; Gur RE, Radiology 1991; 181: 715

detection of liver metastases with superparamagnetic iron oxide in 15 patients: results of MR imaging at 1.5 T, Marchal G; Van Hecke P; Demaerel P; et al, AJR 1989; 152: 771

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; 1: 285

experimental study of the pharmacokinetics and dose response of ferrite particles used as a contrast agent in MRI of the normal liver of the rabbit, Van Hecke PE; Marchal GJ; Decrop E; et al, Invest Radiol 1989; 24: 397

ferrite particles (AMI25): influence of cirrhosis and chemotherapy on magnetic resonance imaging of metastasis, Clement O; Schouman-Claeys E; Frija G, Invest Radiol 1990; 25: S61

first clinical trial of a new superparamagnetic iron oxide for use as an oral gastrointestinal contrast agent in MR imaging, Hahn PF; Stark DD; Lewis JM; Saini S; Elizondo G; Weissleder R; Fretz CJ; Ferrucci JT, Radiology 1990; 175: 695

hepatic cirrhosis and hepatitis: MR imaging enhanced with superparamagnetic iron oxide, Elizondo G; Weissleder R; Stark DD; Guerra J; Garza J; Fretz CJ; Todd LE; Ferrucci JT, Radiology 1990; 174: 797

hepatic iron overload: diagnosis and quantification by noninvasive imaging, Chezmar JL; Nelson RC; Malko JA; et al, Gastrointest Radiol 1990; 15: 27

hypointense renal cell carcinoma: MR imaging with pathologic correlation, Sussman SK; Glickstein MF; Krzymowski GA, Radiology 1990; 177: 495

influence of pulse sequence on the relaxation effects of superparamagnetic iron oxide contrast agents, Majumdar S; Zoghbi SS; Gore JC, Magn Res Med 1989; 10: 289

iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years, Ferrucci JT; Stark DD, AJR 1990; 155: 943

liver-lesion tissue contrast on MR images: effect of iron oxide concentration and magnetic field strength, Thickman D; Hendrick RE; Jerjian KA; Schanker CS, Radiology 1990; 176: 557

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; 180: 31

localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Engelstad BL; White DL; Moseley ME; Stark DD, Radiology 1990; 176: 467

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP; Yee CA; Van Horn DD; Kim HS; Colletti PM, Radiology 1990; 175: 855

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP, Radiology 1990; 177: 883

MR evaluation of brain iron in children with cerebral infarction, Cross PA; Atlas SW; Grossman RI, AJNR 1990; 11: 341

MR imaging of blood-borne liver metastases in mice: contrast enhancment with Fe-EHPG, Shtern F; Garrido L; Compton C; Swiniarski JK; Lauffer RB; Brady TJ, Radiology 1991; 178: 83

MR imaging of firearm projectiles, Lufkin RB, Radiology 1991; 179: 285

MR microscopy at 7.0 T: effects of brain iron, Malisch TW; Hedlund LW; Suddarth SA; Johnson GA, JMRI 1991; 1: 301

normal deposition of brain iron in childhood and adolescence: MR imaging at 1.5 T, Aoki S; Okada Y; Nishimura K; Barkovich AJ; Kjos BO; Brasch RC; Norman D, Radiology 1989; 172: 381

oral magnetic particles in MR imaging of the abdomen and pelvis, Rinck PA; Smevik O; Nilsen G; Klepp O; Onsrud M; Øksendal A; Børseth A, Radiology 1991; 178: 775

polyclonal human immunoglubulin G labeled with polymeric iron oxide: antibody MR imaging, Weissleder R; Lee AS; Fischman AJ; Reimer P; Shen T; Wilkinson R; Callahan RJ; Brady TJ, Radiology 1991; 181: 245

polymeric gastrointestinal MR contrast agents, Tilcock CP; Unger EC; Ahkong QF; Fritz T; Koenig SH; Brown RD III, JMRI 1991; 1: 463

receptor imaging: application to MR imaging of liver cancer, Reimer P; Weissleder R; Lee AS; Wittenberg J; Brady TJ, Radiology 1990; 177: 729

role of ferritin and hemosiderin in the MR appearance of cerebral hemorrhage: a histopathologic biochemical study in rats, Thulborn KR; Sorensen AG; Kowall NW; et al, AJNR 1990; 11: 291

role of iron and ferritin in MR imaging of the brain: a study in primates at different field strengths, Bizzi A; Brooks RA; Brunetti A; Hill JM; Alger JR; Miletich RS; Francavilla TL; Di Chiro G, Radiology 1990; 177: 59

signal loss induced by superparamagnetic iron oxide particles in NMR spin-echo images: the role of diffusion, Rozenman Y; Zou X; Kantor HL, Magn Res Med 1990; 14: 31

superparamagnetic contrast agents for magnetic resonance imaging, Gundersen HG; Bach-Gansmo T; Holtz E; et al, Invest Radiol 1990; 25: S67

superparamagnetic iron oxide: clinical time-response study, Gandon Y; Heautot J-F; Brunet F; et al, Eur J Radiol 1991; 12: 195

superparamagnetic iron oxide–enhanced MR imaging: pulse sequence optimization for detection of liver cancer, Fretz CJ; Elizondo G; Weissleder R; Hahn PF; Stark DD; Ferrucci JT Jr, Radiology 1989; 172: 393

superparamagnetic iron oxide: pharmacokinetics and toxicity, Weissleder R; Stark DD; Engelstad BL; et al, AJR 1989; 152: 167

T2 values in the human brain: comparison with quantitative assays of iron and ferritin, Chen JC; Hardy PA; Clauberg M; Joshi JG; Parravano J; Deck JHN; Henkelman RM; Becker LE; Kucharczyk W, Radiology 1989; 173: 521

ultrasmall superparamagnetic iron oxide: an intravenous contrast agent for assessing lymph nodes with MR imaging, Weissleder R; Elizondo G; Wittenberg J; Lee AS; Josephson L; Brady TJ, Radiology 1990; 175: 494

ultrasmall superparamagnetic iron oxide: characterization of a new class of contrast agents for MR imaging, Weissleder R; Elizondo G; Wittenberg J; Rabito CA; Bengele HH; Josephson L, Radiology 1990; 175: 489

use of magnetite particles as a contrast agent for MR imaging of the liver, Kawamura Y; Endo K; Watanabe Y; Saga T; Nakai T; Hikita H; Kagawa K; Konishi J, Radiology 1990; 174: 357

Islet-cell neoplasms

See Pancreas, neoplasms

J

Jaundice

benefits of percutaneous cholecystostomy for decompression of selected cases of obstructive jaundice, vanSonnenberg E; D'Agostino HB; Casola G; Varney RR; Taggart SC; May SR, Radiology 1990; 176: 15

biliary stenting for malignant jaundice: a district hospital experience, Huddart RA; Hubbard CSF; Dickinson RJ, Clin Radiol 1991; 43: 103

case report: duodenal diverticula and jaundice: ultrasound can be misleading, Hasan AKH; Negrette JJ, Clin Radiol 1991; 44: 128

dilated biliary tract: evaluation with MR cholangiography with a T2-weighted CE-FAST sequence, Wallner BK; Schumacher KA; Weidenmaier W; Friedrich JM, Radiology 1991; 181: 805

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; 172: 689

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; 171: 335

less is better: the diagnostic workup of the patient with obstructive jaundice, (ab), Olen R; Pickleman J; Freeark RJ, Radiology 1990; 174: 585

malignant biliary obstruction complicated by ascites: transjugular insertion of an expandable metallic endoprosthesis, Ring EJ; Gordon RL; LaBerge JM; Shapiro HA, Radiology 1991; 180: 579

measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Juni JE; Reichle R, Radiology 1990; 177: 171

obstructive jaundice secondary to chronic pancreatitis in children: report of two cases and review of the literature, (ab), Wheatley MJ; Coran AG, Radiology 1989; 172: 295

palliation of obstructive jaundice with a biliary endoprosthesis. comparison of insertion by the percutaneous-transhepatic and the combined percutaneous-endoscopic routes, Hall RI; Denyer ME; Chapman AH, Clin Radiol 1989; 40: 186

percutaneous gallbladder intervention, Picus D, Radiology 1990; 176: 5

Jaws, abnormalities

case report 584, Genez BM; Ford ML; Day RH, Skeletal Radiol 1989; 18: 623

coronoid process hyperplasia: CT studies, Munk PL; Helms CA, Radiology 1989; 171: 783

Jaws, CT

coronoid process hyperplasia: CT studies, Munk PL; Helms CA, Radiology 1989; 171: 783

CT and MR imaging of myxofibroma of the jaws, Cohen MA; Mendelsohn DB, JCAT 1990; 14: 281

Jaws, cysts

aneurysmal bone cyst of the mandible, (ab), Giddings NA; Kennedy TL; Knipe KL; et al, Radiology 1990; 174: 903

facial deformity and rash, Zerin JM; Ainge G, Invest Radiol 1989; 24: 159

Jaws, MR

CT and MR imaging of myxofibroma of the jaws, Cohen MA; Mendelsohn DB, JCAT 1990; 14: 281

MR of osteochondritis dissecans and avascular necrosis of the mandibular condyle, Schellhas KP; Wilkes CH; Fritts HM; et al, AJNR 1989; 10: 3

Jaws, neoplasms

case of the month: digging for a diagnosis, Jäger HR; O'Donnell C; Sinha J, Br J Radiol 1990; 63: 143

central giant cell granuloma of the jaws: a clinico-radiological study, Horner K, Clin Radiol 1989; 40: 622

CT and MR imaging of myxofibroma of the jaws, Cohen MA; Mendelsohn DB, JCAT 1990; 14: 281

melanotic neuroectodermal tumor of infancy: clinical, radiologic, and pathologic findings in five cases, Mirich DR; Blaser SI; Harwood-Nash DC; et al, AJNR 1991; 12: 689

Jejunostomy
percutaneous enterostomy with the Cope suture anchor, Coleman CC; Coons HG; Cope C; Derauf BJ; Krenzel C; Epstein DH; Schlam BW; Castaneda F; Hough JP; Moradian GP, Radiology 1990; **174:** 889
poor results with percutaneous endoscopic jejunostomy, (ab), DiSario JA; Foutch PG; Sanowski RA, JVIR 1990; **1:** 139
simple prosthesis for ready access to the closed afferent limb of a hepatico-jejunostomy, Cameron DC; Tan EG; Da Cruz M; et al, Australas Radiol 1991; **35:** 75
tube dysfunction following percutaneous endoscopic gastrostomy and jejunostomy, (ab), Wolfsen HC; Kozarek RA; Ball TJ; et al, JVIR 1990; **1:** 139
use of T fasteners for primary jejunostomy, Gray RR; Rooney M; Grosman H, Cardiovasc Intervent Radiol 1990; **13:** 93

Jejunum
modified gastrojejunostomy tube: percutaneous placement for gastric decompression and jejunal feeding, Grassi CJ, Radiology 1989; **173:** 875
polypoid hamartoma of the jejunum, Bracke PG; Degryse HR; Goovaerts GC; et al, Gastrointest Radiol 1991; **16:** 113
scintigraphic localization of a bleeding leiomyosarcoma of the proximal jejunum, Caruana V; Swayne LC; Diehl WL, Clin Nucl Med 1991; **16:** 230
single tuberculous stricture in the jejunum: report of 2 cases, Fukuya T; Yoshimitsu K; Kitagawa S; et al, Gastrointest Radiol 1989; **14:** 300

Jejunum, abnormalities
jejunal interposition, Keller RJ; Sicular A, Gastrointest Radiol 1989; **14:** 9
localized ileus of the proximal jejunum: a new sign for acute appendicitis, Mowji PJ; Jones MD; Cohen AJ, Gastrointest Radiol 1989; **14:** 173

Jejunum, diverticula
diverticulitis of the jejunum: clinical and radiological features, Benya EC; Ghahremani GG; Brosnan JJ, Gastrointest Radiol 1991; **16:** 24

Jejunum, hemorrhage
bleeding marginal ulcers: angiographic evaluation, Oglevie SB; Smith DC; Mera SS, Radiology 1990; **174:** 943

Joints
See also Arthritis; Arthrography; names of joints, such as Ankle; Knee; etc.
cineradiography of a cracking joint, Watson P; Mollan RAB, Br J Radiol 1990; **63:** 145

Joints, abnormalities
arthrogryposis multiplex congenita: prenatal ultrasonographic diagnosis, Gorczyca DP; McGahan JP; Lindfors KK; et al, JCU 1989; **17:** 40
dehiscent temporomandibular joint, Weissman JL; Hirsch BE; Chan K; Tabor EK; Curtin HD, Radiology 1991; **180:** 211
dermal grafts of the temporomandibular joint: postoperative appearance on MR images, Lieberman JM; Bradrick JP; Indresano AT; Smith AS; Bellon EM, Radiology 1990; **176:** 199
diagnostic imaging of bone and joint abnormalities associated with sickle cell hemoglobinopathies, Sebes JI, AJR 1989; **152:** 1153
facial skeleton remodeling due to temporomandibular joint degeneration: an imaging study of 100 patients, Schellhas KP; Piper MA; Omlie MR, AJNR 1990; **11:** 541
long term hemodialysis spondylarthropathy: an atlanto-occipital location, Grignon B; Bracard S; Abadou H; et al, J Neuroradiol 1990; **17:** 60
skeletal brucellosis: assessment with bone scintigraphy, El-Desouki M, Radiology 1991; **181:** 415
systemic joint laxity (the hypermobile joint syndrome) is associated with temporomandibular joint dysfunction, (ab), Harinstein D; Buckingham RB; Braun T; et al, Radiology 1989; **172:** 294
temporomandibular joint after meniscoplasty: appearance at MR imaging, Conway WF; Hayes CW; Campbell RL; Laskin DM; Swanson KS, Radiology 1991; **180:** 749
temporomandibular joint imaging, Katzberg RW, Radiology 1989; **170:** 297

Joints, acromioclavicular
radiological evaluation of the acromioclavicular joint, Väätäinen U; Pirinen A; Mäkelä A, Skeletal Radiol 1991; **20:** 115

Joints, calcification
calcium hydroxyapatite deposition disease, Hayes CW; Conway WF, Radiographics 1990; **10:** 1031
case report 597, Lambert RGW; Becker EJ; Pritzker KPH, Skeletal Radiol 1990; **19:** 139

Joints, CT
bilateral temporomandibular joint ganglion cysts: CT and MR characteristics, Tom BM; Rao VM; Farole A, AJNR 1990; **11:** 746
computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99
computed arthrotomography of the shoulder: comparison of examinations made with internal and external rotation of the humerus, Pennes DR; Jonsson K; Buckwalter KA; et al, AJR 1989; **153:** 1017
computed tomographic appearances of sternocostoclavicular hyperostosis, Chigira M; Shimizu T, Skeletal Radiol 1989; **18:** 347
computed tomography evaluation of the sacroiliac joints in Crohn disease: radiologic/clinical correlation, Scott WW Jr; Fishman EK; Kuhlman JE; et al, Skeletal Radiol 1990; **19:** 207
computed tomography of joint injuries, Newberg AH, Radiol Clin North Am 1990; **28:** 445
computed tomography of lumbar apophyseal joint lipoma: report of three cases, Dietemann JL; Bonneville JF; Runge M; et al, Neuroradiol 1989; **31:** 60
computed tomography-osteoabsorptiometry for assessing the density distribution of subchondral bone as a measure of long-term mechanical adaptation in individual joints, Müller-Gerbl M; Putz R; Hodapp N; et al, Skeletal Radiol 1989; **18:** 507
computed tomography with stress maneuver to demonstrate sternoclavicular joint dislocation, Burnstein M; Pozniak MA, JCAT 1990; **14:** 159
diagnostic value of computed tomography in temporomandibular joint synovial chondromatosis, Nitzan DW; Marmary Y; Fields SI; et al, Comput Med Imag Graph 1991; **15:** 53
lumbar facet joint capsule: appearance at MR imaging and CT, Xu GL; Haughton VM; Carrera GF, Radiology 1990; **177:** 415
synovial chondromatosis of the TMJ: MR and CT findings, Herzog S; Mafee M, AJNR 1990; **11:** 742
temporomandibular joint imaging, Katzberg RW, Radiology 1989; **170:** 297

Joints, diseases
arthritis: roles of radiography and other imaging techniques in evaluation, Kaye JJ, Radiology 1990; **177:** 601
calcium hydroxyapatite deposition disease, Hayes CW; Conway WF, Radiographics 1990; **10:** 1031
crystal-associated arthropathies, Rubenstein J; Pritzker KPH, AJR 1989; **152:** 685
destructive spondyloarthropathy and radiographic follow-up in hemodialysis patients, Orzincolo C; Bedani PL; Scutellari PN; et al, Skeletal Radiol 1990; **19:** 483
modern diagnostic imaging in joint disease, Dalinka MK; Kricun ME; Zlatkin MB; et al, AJR 1989; **152:** 229
MR imaging of septic sacroiliitis, Klein MA; Winalski CS; Wax MR; et al, JCAT 1991; **15:** 126
MR patterns of dialysis arthropathy, Claudon M; Regent D; Gaucher A; et al, JCAT 1990; **14:** 968
pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345
reproducibility of the Pettersson scoring system: an interobserver study, Erlemann R; Rosenthal H; Walthers EM; et al, Acta Radiol 1989; **30:** 147
synovial membrane: percutaneous biopsy, Beaulé V; Larêdo J-D; Cywiner C; Bard M; Tubiana J-M, Radiology 1990; **177:** 581

Joints, fluid
lipohemarthrosis of the knee: a review of recent experiences, Lee J-H; Weissman BN; Nikpoor N; Aliabadi P; Sosman JL, Radiology 1989; **173:** 189
quantification of knee joint fluid volume by MR imaging and CT using three-dimensional data processing, Heuck AF; Steiger P; Stoller DW; et al, JCAT 1989; **13:** 287
radiographic observations of subtalar joint effusion in two children, Eggli KD, Skeletal Radiol 1989; **18:** 207

Joints, glenohumeral
See Shoulder

Joints, inflammation
See Arthritis

Joints, injuries
chronic wrist pain: evaluation with high-resolution MR imaging, Zlatkin MB; Chao PC; Osterman AL; Schnall MD; Dalinka MK; Kressel HY, Radiology 1989; **173:** 723
computed tomography of joint injuries, Newberg AH, Radiol Clin North Am 1990; **28:** 445
pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345
sternoclavicular joint in trauma: retrosternal dislocation versus epiphyseal fracture, Leighton D; Oudjhane K; Ben Mohammed H, Pediatr Radiol 1989; **20:** 126
subtle injuries of the Lisfranc joint, (ab), Faciszewski T; Burks RT; Manaster BJ, Radiology 1991; **179:** 887
temporomandibular joint injuries, Schellhas KP, Radiology 1989; **173:** 211

Joints, MR
articular cartilage: correlation of histologic zones with signal intensity at MR imaging, Modl JM; Sether LA; Haughton VM; Kneeland JB, Radiology 1991; **181:** 853
bilateral MR imaging with switched mutually coupled receiver coils, Wright SM; Wright RM, Radiology 1989; **170:** 249
bilateral temporomandibular joint ganglion cysts: CT and MR characteristics, Tom BM; Rao VM; Farole A, AJNR 1990; **11:** 746
chronic wrist pain: evaluation with high-resolution MR imaging, Zlatkin MB; Chao PC; Osterman AL; Schnall MD; Dalinka MK; Kressel HY, Radiology 1989; **173:** 723
defining the normal temporomandibular joint: closed-, partially open-, and open-mouth MR imaging of asymptomatic subjects, Drace JE; Enzmann DR, Radiology 1990; **177:** 67
dermal grafts of the temporomandibular joint: postoperative appearance on MR images, Lieberman JM; Bradrick JP; Indresano AT; Smith AS; Bellon EM, Radiology 1990; **176:** 199
dual-surface-coil MR imaging of bilateral temporomandibular joints: improvements in the imaging protocol, Shellock FG; Pressman BD, AJNR 1989; **10:** 595
effect of intra-articular gadolinium-DTPA on synovial membrane and cartilage, Hajek PC; Sartoris DJ; Gylys-Morin V; et al, Invest Radiol 1990; **25:** 179
gadolinium-DTPA in rheumatoid arthritis and related diseases: first results with dynamic magnetic resonance imaging, Reiser MF; Bongartz GP; Erlemann R; et al, Skeletal Radiol 1989; **18:** 591
high resolution, high field magnetic resonance imaging of joints: unexpected features in proton images of cartilage, Cole PR; Jasani MK; Wood B; et al, Br J Radiol 1990; **63:** 907
high-resolution NMR imaging of an antigen-induced arthritis in the rabbit knee, Checkley D; Johnstone D; Taylor K; et al, Magn Res Med 1989; **11:** 221
imaging of pigmented villonodular synovitis with emphasis on MR imaging, Jelinek JS; Kransdorf MJ; Utz JA; et al, AJR 1989; **152:** 337
imaging of the temporomandibular joint, Nance EP Jr; Powers TA, Radiol Clin North Am 1990; **28:** 1019
lumbar facet joint capsule: appearance at MR imaging and CT, Xu GL; Haughton VM; Carrera GF, Radiology 1990; **177:** 415

magnetic resonance imaging of sacroiliac joint inflammation, (ab), Ahlström H; Felteliius N; Nyman R; et al, Radiology 1991; **180:** 295

magnetic resonance imaging of the temporomandibular joint, Pollei SR; Schellhas KP, Semin US CT MR 1990; **11:** 346

magnetic resonance imaging reflects cartilage proteoglycan degradation in the rabbit knee, Paul PK; O'Byrne E; Blancuzzi V; et al, Skeletal Radiol 1991; **20:** 31

MR imaging of septic sacroiliitis, Klein MA; Winalski CS; Wax MR; et al, JCAT 1991; **15:** 126

MR imaging of the temporomandibular joint: a cadaver study of the value of coronal images, Schwaighofer BW; Tanaka TT; Klein MV; et al, AJR 1990; **154:** 1245

MR imaging of the temporomandibular joint: comparison of images of autopsy specimens made at 0.3 T and 1.5 T with anatomic cryosections, Hansson L-G; Westesson P-L; Katzberg RW; et al, AJR 1989; **152:** 1241

MR patterns of dialysis arthropathy, Claudon M; Regent D; Gaucher A; et al, JCAT 1990; **14:** 968

musculoskeletal radiolc gy: RSNA '88 meeting notes, Murphy WA Jr; Dalinka MK; Lodwick GS; Totty WG; Vogler JB III, Radiology 1989; **170:** 913

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; **174:** 915

musculoskeletal radiology: RSNA '90 meeting notes, Murphy WA Jr; Conway WF; De Smet AA; Kaplan PA; Kneeland JB, Radiology 1991; **178:** 914

pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345

rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Larheim TA; Smith H-J; Aspestrand F, Radiology 1990; **175:** 527

rheumatoid knee: role of gadopentetate-enhanced MR imaging, Kursunoglu-Brahme S; Riccio T; Weisman MH; Resnick D; Zvaifler N; Sanders ME; Fix C, Radiology 1990; **176:** 831

sacroiliitis: MR imaging findings, Murphey MD; Wetzel LH; Bramble JM; Levine E; Simpson KM; Lindsley HB, Radiology 1991; **180:** 239

structure, function, and degeneration of bovine hyaline cartilage: assessment with MR imaging in vitro, Lehner KB; Rechl HP; Gmeinwieser JK; Heuck AF; Lukas HP; Kohl HP, Radiology 1989; **170:** 495

synovial chondromatosis of the TMJ: MR and CT findings, Herzog S; Mafee M, AJNR 1990; **11:** 742

temporomandibular joint, Hasso AN; Christiansen EL; Alder ME, Radiol Clin North Am 1989; **27:** 301

temporomandibular joint after meniscoplasty: appearance at MR imaging, Conway WF; Hayes CW; Campbell RL; Laskin DM; Swanson KS, Radiology 1991; **180:** 749

temporomandibular joint imaging, Katzberg RW, Radiology 1989; **170:** 297

temporomandibular joint inflammation: comparison of MR fast scanning with T1- and T2-weighted imaging techniques, Schellhas KP; Wilkes CH, AJNR 1989; **10:** 589

temporomandibular joint: morphology and signal intensity characteristics of the disk at MR imaging, Helms CA; Kaban LB; McNeill C; Dodson T, Radiology 1989; **172:** 817

temporomandibular joint motion: efficacy of fast low-angle shot MR imaging, Conway WF; Hayes CW; Campbell RL; Laskin DM, Radiology 1989; **172:** 821

TMJ meniscus and bilaminar zone: MR imaging of the substructure—diagnostic landmarks and pitfalls of interpretation, Drace JE; Young SW; Enzmann DR, Radiology 1990; **177:** 73

Joints, neoplasms

transarticular invasion of joints by bone tumors: hypothesis, Abdelwahab IF; Miller TT; Hermann G; et al, Skeletal Radiol 1991; **20:** 279

Joints, prostheses

bone formation following carpal interposition arthroplasty, Lovelock JE; Pellegrini VD Jr, Skeletal Radiol 1990; **19:** 31

current status of total joint replacement, Volz RG; Benjamin JB, Invest Radiol 1990; **25:** 86

current topics in the radiology of joint replacement surgery, Weissman BN, Radiol Clin North Am 1990; **28:** 1111

subtalar arthrorisis: evaluation with CT, Smith DK; Gilula LA; Totty WG, AJR 1990; **154:** 559

Joints, radiography

plain-film diagnosis of joint disease, Dussault RG; Samson L; Fortin M-T, J Canad Assoc Radiol 1991; **42:** 87

temporomandibular joint imaging, Katzberg RW, Radiology 1989; **170:** 297

Joints, radionuclide studies

appearance of acute gouty arthritis on indium-111-labeled leukocyte scintigraphy, Palestro CJ; Vega A; Kim CK; et al, J Nucl Med 1990; **31:** 682

imaging of inflammatory arthritis with technetium-99m-labeled IgG, Breedveld FC; van Kroonenburgh MJPG; Camps JAJ; et al, J Nucl Med 1989; **30:** 2017

skeletal brucellosis: assessment with bone scintigraphy, El-Desouki M, Radiology 1991; **181:** 415

Tc-99m HMPAO leukocyte uptake in articular gout, Herrmann T; Granjon D; Loboguerrero A; et al, Clin Nucl Med 1991; **16:** 457

technetium 99m diphosphonate uptake and intraosseous hemodynamics during venous congestion in bone: knee joint tamponade studies in immature dogs, Hansen ES; Hjortdal VE; Kjølseth D; et al, Skeletal Radiol 1991; **20:** 159

temporomandibular joint imaging, Katzberg RW, Radiology 1989; **170:** 297

Joints, sacroiliac

computed tomography evaluation of the sacroiliac joints in Crohn disease: radiologic/clinical correlation, Scott WW Jr; Fishman EK; Kuhlman JE; et al, Skeletal Radiol 1990; **19:** 207

imaging of the sacroiliac joints, Forrester DM, Radiol Clin North Am 1990; **28:** 1055

magnetic resonance imaging of sacroiliac joint inflammation, (ab), Ahlström H; Felteliius N; Nyman R; et al, Radiology 1991; **180:** 295

sacral foramina: view at CT, Magid D; Fishman EK; Ney DR, Radiology 1991; **178:** 573

sacroiliitis: MR imaging findings, Murphey MD; Wetzel LH; Bramble JM; Levine E; Simpson KM; Lindsley HB, Radiology 1991; **180:** 239

transarticular invasion of joints by bone tumors: hypothesis, Abdelwahab IF; Miller TT; Hermann G; et al, Skeletal Radiol 1991; **20:** 279

Joints, sternoclavicular

computed tomographic appearances of sternocostoclavicular hyperostosis, Chigira M; Shimizu T, Skeletal Radiol 1989; **18:** 347

computed tomography with stress maneuver to demonstrate sternoclavicular joint dislocation, Burnstein M; Pozniak MA, JCAT 1990; **14:** 159

CT manifestation of sternoclavicular pyarthrosis in patients with intravenous drug abuse, Alexander PW; Shin MS, JCAT 1990; **14:** 104

staphylococcal mediastinitis due to sternoclavicular pyarthrosis: CT appearance, Pollack MS, JCAT 1990; **14:** 924

sternoclavicular joint in trauma: retrosternal dislocation versus epiphyseal fracture, Leighton D; Oudjhane K; Ben Mohammed H, Pediatr Radiol 1989; **20:** 126

use of ultrasound in management of posterior sternoclavicular dislocation, Benson LS; Donaldson JS; Carroll NC, J Ultrasound Med 1991; **10:** 115

Joints, sternocostal

computed tomographic appearances of sternocostoclavicular hyperostosis, Chigira M; Shimizu T, Skeletal Radiol 1989; **18:** 347

sternocostal joints: anatomic, radiographic and pathologic features in adult cadavers, Schils JP; Resnick D; Haghighi P; et al, Invest Radiol 1989; **24:** 596

Joints, temporomandibular

air in the temporomandibular joint fossa: CT sign of temporal bone fracture, Betz BW; Wiener MD, Radiology 1991; **180:** 463

bilateral MR imaging with switched mutually coupled receiver coils, Wright SM; Wright RM, Radiology 1989; **170:** 249

bilateral temporomandibular joint ganglion cysts: CT and MR characteristics, Tom BM; Rao VM; Farole A, AJNR 1990; **11:** 746

case report 597, Lambert RGW; Becker EJ; Pritzker KPH, Skeletal Radiol 1990; **19:** 139

comparison of Omnipaque with Hypaque in temporomandibular arthrography, Kaplan PA; Lieberman RP; Chu W-K, AJR 1989; **153:** 1225

condylar position as a predictor of temporomandibular joint internal derangement, (ab), Brand JW; Whinery JG Jr; Anderson QN; et al, Radiology 1989; **173:** 589

coronal radiographs and videofluoroscopy improve the diagnostic quality of temporomandibular joint arthrography, Duvoisin B; Klaus E; Schnyder P, AJR 1990; **155:** 105

current status of temporomandibular joint imaging for the diagnosis of internal derangements, Kaplan PA; Helms CA, AJR 1989; **152:** 697

defining the normal temporomandibular joint: closed-, partially open-, and open-mouth MR imaging of asymptomatic subjects, Drace JE; Enzmann DR, Radiology 1990; **177:** 67

dehiscent temporomandibular joint, Weissman JL; Hirsch BE; Chan K; Tabor EK; Curtin HD, Radiology 1991; **180:** 211

dermal grafts of the temporomandibular joint: postoperative appearance on MR images, Lieberman JM; Bradrick JP; Indresano AT; Smith AS; Bellon EM, Radiology 1990; **176:** 199

diagnostic imaging of the temporomandibular joint: recommendations for use of the various techniques, Helms CA; Kaplan P, AJR 1990; **154:** 319

diagnostic value of computed tomography in temporomandibular joint synovial chondromatosis, Nitzan DW; Marmary Y; Fields SI; et al, Comput Med Imag Graph 1991; **15:** 53

dual-surface-coil MR imaging of bilateral temporomandibular joints: improvements in the imaging protocol, Shellock FG; Pressman BD, AJNR 1989; **10:** 595

facial skeleton remodeling due to temporomandibular joint degeneration: an imaging study of 100 patients, Schellhas KP; Piper MA; Omlie MR, AJNR 1990; **11:** 541

facial skeleton remodeling due to temporomandibular joint degeneration: an imaging study of 100 patients, Schellhas KP; Piper MA; Omlie MR, AJR 1990; **155:** 373

imaging of the temporomandibular joint, Nance EP Jr; Powers TA, Radiol Clin North Am 1990; **28:** 1019

internal derangements of the temporomandibular joint: pathological variations, (ab), Wilkes CH, Radiology 1990; **175:** 294

magnetic resonance imaging of the temporomandibular joint, Pollei SR; Schellhas KP, Semin US CT MR 1990; **11:** 346

MR imaging of the temporomandibular joint: a cadaver study of the value of coronal images, Schwaighofer BW; Tanaka TT; Klein MV; et al, AJR 1990; **154:** 1245

MR imaging of the temporomandibular joint: comparison of images of autopsy specimens made at 0.3 T and 1.5 T with anatomic cryosections, Hansson L-G; Westesson P-L; Katzberg RW; et al, AJR 1989; **152:** 1241

osseous temporomandibular joint abnormalities in rheumatic disease: computed tomograpy versus hypocycloidal tomography, Larheim TA; Kolbenstvedt A, Acta Radiol 1990; **31:** 383

rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Larheim TA; Smith H-J; Aspestrand F, Radiology 1990; **175:** 527

synovial chondromatosis of the TMJ: MR and CT findings, Herzog S; Mafee M, AJNR 1990; **11:** 742

systemic joint laxity (the hypermobile joint syndrome) is associated with temporomandibular joint dysfunction, (ab), Harinstein D; Buckingham RB; Braun T; et al, Radiology 1989; **172:** 294

temporomandibular joint, Hasso AN; Christiansen EL; Alder ME, Radiol Clin North Am 1989; **27:** 301

temporomandibular joint after meniscoplasty: appearance at MR imaging, Conway WF; Hayes CW; Campbell RL; Laskin DM; Swanson KS, Radiology 1991; **180:** 749

temporomandibular joint chondrosarcoma: CT demonstration, Wasenko JJ; Rosenbloom SA, JCAT 1990; **14:** 1002
temporomandibular joint dysfunction: correlation of MR imaging, arthrography, and arthroscopy, Rao VM; Farole A; Karasick D, Radiology 1990; **174:** 663
temporomandibular joint imaging, Katzberg RW, Radiology 1989; **170:** 297
temporomandibular joint inflammation: comparison of MR fast scanning with T1- and T2-weighted imaging techniques, Schellhas KP; Wilkes CH, AJNR 1989; **10:** 589
temporomandibular joint injuries, Schellhas KP, Radiology 1989; **173:** 211
temporomandibular joint: morphology and signal intensity characteristics of the disk at MR imaging, Helms CA; Kaban LB; McNeill C; Dodson T, Radiology 1989; **172:** 817
temporomandibular joint motion: efficacy of fast low-angle shot MR imaging, Conway WF; Hayes CW; Campbell RL; Laskin DM, Radiology 1989; **172:** 821
temporomandibular joint synovial osteochondromatosis: CT manifestations, Munk PL; Helms CA, J Canad Assoc Radiol 1989; **40:** 274
TMJ meniscus and bilaminar zone: MR imaging of the substructure—diagnostic landmarks and pitfalls of interpretation, Drace JE; Young SW; Enzmann DR, Radiology 1990; **177:** 73

Joints, US
ultrasonic demonstration of the elbow fat pads, Miles KA; Lamont AC, Clin Radiol 1989; **40:** 602
use of ultrasound in management of posterior sternoclavicular dislocation, Benson LS; Donaldson JS; Carroll NC, J Ultrasound Med 1991; **10:** 115

Journal of Magnetic Resonance Imaging
editor's page: why a new journal?, Fullerton GD; Hendrick RE, JMRI 1991; **1:** 5

Journal of Vascular and Interventional Radiology
editor's page, Becker GJ, JVIR 1991; **2:** 57

Jugular bulb
bilateral aberrant jugular bulbs, Jinkins JR, Neuroradiol 1990; **32:** 344
paragangliomas of the jugular bulb and carotid body: MR imaging with short sequences and Gd-DTPA enhancement, Vogl TJ; Brüning R; Schedel HK; et al, AJNR 1989; **10:** 823
pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383

K

Kaposi sarcoma
encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA, Radiology 1990; **175:** 185
hepatic Kaposi sarcoma in AIDS: US and CT findings, Luburich P; Bru C; Ayuso MC; Azón A; Condom E, Radiology 1990; **175:** 172
hepatosplenic AIDS-related Kaposi's sarcoma, Valls C; Cañas C; Turell LG; et al, Gastrointest Radiol 1991; **16:** 342
intentions and outcomes in the radiotherapeutic management of epidemic Kaposi's sarcoma, Cooper JS; Steinfeld AD; Lerch I, Int J Radiat Oncol Biol Phys 1991; **20:** 419
Kaposi sarcoma involving bone: CT demonstration in a patient with AIDS, Meyers SA; Kuhlman JE; Fishman EK, JCAT 1990; **14:** 161
Kaposi's sarcoma: CT-radiographic correlation, (ab), Naidich DP; Tarras M; Garay SM; et al, Radiology 1990; **175:** 588
lymphangioscintigraphy in AIDS-associated Kaposi sarcoma, Witte MH; Fiala M; McNeill GC; et al, AJR 1990; **155:** 311
osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; **177:** 77
pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA, Radiology 1991; **180:** 409
pulmonary neoplastic and lymphoproliferative disease in AIDS: a review, Heitzman ER, Radiology 1990; **177:** 347
radiation therapy for AIDS-related Kaposi's sarcoma, Berson AM; Quivey JM; Harris JW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 569
subcutaneous Kaposi's sarcoma: thallium scan demonstration, Lee VW; Chen H; Panageas E; et al, Clin Nucl Med 1990; **15:** 569

Kawasaki disease
chest x-ray findings in the acute phase of Kawasaki disease, Umezawa T; Saji T; Matsuo N; et al, Pediatr Radiol 1989; **20:** 48
coronary angiographic abnormalities in mucocutaneous lymph node syndrome: acute findings and long-term follow-up, Kuribayashi S; Ootaki M; Tsuji M; Matsuyama S; Iwasaki H; Oota T, Radiology 1989; **172:** 629
coronary artery calcification in Kawasaki disease, Ino T; Shimazaki S; Akimoto K; et al, Pediatr Radiol 1990; **20:** 520
MR imaging of coronary artery aneurysms in a child with Kawasaki disease, Bisset GS III; Strife JL; McCloskey J, AJR 1989; **152:** 805
percutaneous transluminal coronary angioplasty for Kawasaki disease: a case report and literature review, (ab), Ino T; Nishimoto K; Akimoto K; et al, JVIR 1991; **2:** 417

Keloids
role of kilovoltage irradiation in the treatment of keloids, Doornbos JF; Stoffel TJ; Hass AC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 833

Kidney
See also Genitourinary system; Hydronephrosis; Kidney neoplasms; Urography
clinical application of iodine quantitation using digital fluorography, Thompson WD; Kotre CJ; Owen JP; et al, Br J Radiol 1990; **63:** 858

Kidney, abnormalities
delayed radiologic appearance of bilateral thoracic ectopic kidneys, Liddell RM; Rosenbaum DM; Blumhagen JD, AJR 1989; **152:** 120
double uterus associated with unilateral vaginal obstruction and ipsilateral renal agenesis: ultrasonographic diagnosis, Burgos FJ; Matorras R; Rivera M; et al, JCU 1989; **17:** 296
ectopic ovaries associated with absent uterus and pelvic kidney: CT findings, Reed DH; Dixon AK; Braude PR, JCAT 1990; **14:** 157
fetal lobation: an anatomo-ultrasonographic correlation, Patriquin HB; Lefaivre J-F; Lafortune M; et al, J Ultrasound Med 1990; **9:** 191
horseshoe kidney detected by abdominal scanning with Tc-99m labeled red blood cells, Morita S; Ishibashi M; Yoshii T; et al, Clin Nucl Med 1991; **16:** 194
identification of functioning tissue in horseshoe kidney using SPECT, Theyer G; Lentle BC; Sullivan LD, Clin Nucl Med 1989; **14:** 917
ifosfamide-induced renal tubular dysfunction and rickets in children with Wilms tumor, (ab), Burk CD; Restaino I; Kaplan BS; et al, Radiology 1991; **180:** 592
incidental finding of crossed renal ectopia diagnosed on bone scan, Wulfeck DW; Smith HS; Silberstein EB, Clin Nucl Med 1991; **16:** 441
lacunae: a urographic finding in chronic obstructive uropathy, Talner LB; Webb JAW; Dail DH, AJR 1991; **156:** 985
large Gartner duct cyst associated with a solitary crossed ectopic kidney: imaging features, Lee MJ; Yoder IC; Papanicolaou N; et al, JCAT 1991; **15:** 149
Laurence–Moon–Biedl syndrome: renal ultrasound appearances in the neonate, Garber SJ; de Bruyn R, Br J Radiol 1991; **64:** 631
left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls, Gay SB; Armistead JP; Weber ME; Williamson BRJ, Radiographics 1991; **11:** 549
lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; **172:** 1
male genital tract malformations associated with ipsilateral renal agenesis: sonographic findings, Trigaux J-PP; Van Beers BE; Delchambre FE, JCU 1991; **19:** 3
medullary sponge kidney on axial computed tomography: comparison with excretory urography, Ginalski J-M; Schnyder P; Portmann L; et al, Eur J Radiol 1991; **12:** 104
multiple foci of increased accumulation of Ga-67 citrate in a horseshoe kidney: differentiation of infection from nephroblastomatosis, Glass T; Heyman S, Clin Nucl Med 1991; **16:** 84
polycystic disease of the kidney coexisting with medullary sponge kidney, Anderson JEM; Steens RD; Hurst PE, Australas Radiol 1990; **34:** 341
prenatal diagnoses in unilateral empty renal fossa, Jeanty P; Romero R; Kepple D; et al, J Ultrasound Med 1990; **9:** 651
prenatal sonographic diagnosis of unilateral fetal renal agenesis, Sherer DM; Thompson HO; Armstrong B; et al, JCU 1990; **18:** 648
prenatal sonographic findings associated with a fetal horseshoe kidney, Sherer DM; Cullen JBH; Thompson HO; et al, J Ultrasound Med 1990; **9:** 477
radiographic manifestations of renal anomalies, Daneman A; Alton DJ, Radiol Clin North Am 1991; **29:** 351
renal abnormalities in sickle cell disease, (ab), Allon M, Radiology 1990; **176:** 884
renal malformations in patients with Turner syndrome: imaging in 141 patients, (ab), Lippe B; Geffner ME; Dietrich RB; et al, Radiology 1989; **172:** 591
renal tubular dysgenesis, Luisiri A; Salinas-Madrigal L; Noguchi A; et al, AJR 1991; **157:** 383
scintigraphic findings in transplanted crossed fused renal ectopia, Ryan PJ; Clarke SEM, Clin Nucl Med 1991; **16:** 601
single perfusion defect secondary to intrathoracic kidney, Hallisey MJ; Caride VJ, Clin Nucl Med 1990; **15:** 523
sonographic diagnosis of unilateral fetal renal duplication with associated ectopic ureterocele, Sherer DM; Menashe M; Lebensart P; et al, JCU 1989; **17:** 371
sonography of the simple and complicated ipsilateral fused kidney, Lubat E; Hernanz-Schulman M; Genieser NB; et al, J Ultrasound Med 1989; **8:** 109
transverse fusion of the renal pelves and single ureter, Currarino G; Weisbruch GJ, Urol Radiol 1989; **11:** 88
triple catheter aortoiliac angioplasty in a patient with a horseshoe kidney: technical note, Matsumoto AH; Baum PA; Barth KH; et al, Cardiovasc Intervent Radiol 1989; **12:** 334
ultrasonographic pattern of congenital nephrotic syndrome of Finnish type, Alkrinawi S; Gradus DB-E; Goldstein J, JCU 1989; **17:** 443
unsuspected double collecting system on imaging studies and at cystoscopy, Share JC; Lebowitz RL, AJR 1990; **155:** 561
unusual case of horseshoe kidney: CT appearance, Nguyen KT; Downey M; Gutelius J, J Canad Assoc Radiol 1989; **40:** 320

Kidney, abscess
bacterial renal infection: role of CT, Soulen MC; Fishman EK; Goldman SM; Gatewood OMB, Radiology 1989; **171:** 703
bacterial renal infection: role of CT, Jeffrey RB Jr, Radiology 1989; **173:** 574
bacterial renal infection: role of CT, Gold RP; McClennan BL, Radiology 1990; **174:** 283
bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 575
bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1990; **174:** 284
computed tomography of renal abscesses complicating medullary sponge kidney, Levine E, JCAT 1989; **13:** 440
fragmented staghorn calculus: a radiological sign of pyonephrosis, Penter G; Arkell DG, Clin Radiol 1989; **40:** 61

percutaneous drainage of renal and perirenal abscesses: results in 30 patients, Deyoe LA; Cronan JJ; Lambiase RE; et al, AJR 1990; **155:** 81

percutaneous drainage of retroperitoneal abscesses, Soffer M; Abecassis J-P; Bonnin A; Grateau G, Radiology 1989; **170:** 280

percutaneous management of localized emphysematous pyelonephritis, Zagoria RJ; Dyer RB; Harrison LH; Adams PL, JVIR 1991; **2:** 156

percutaneous nephrostomy in pyonephrosis, Camúñez F; Echenagusia A; Prieto ML; et al, Urol Radiol 1989; **11:** 77

pyonephrosis in childhood—is ultrasound sufficient for diagnosis?, Schneider K; Helmig F-J; Eife R; et al, Pediatr Radiol 1989; **19:** 302

renal, perirenal, and pararenal abscesses: percutaneous drainage, Lang EK, Radiology 1990; **174:** 109

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

sequelae of acute renal infections: CT evaluation, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 423

Kidney, agenesis

See Kidney, abnormalities

Kidney, anatomy

opacification of collecting ducts at urography, Saxton HM, Radiology 1989; **170:** 16

Kidney, angiography

See Renal angiography

Kidney, biopsy

5-year experience with 307 CT-guided renal biopsies: results and complications, Sateriale M; Cronan JJ; Savadier LD, JVIR 1991; **2:** 401

aspiration biopsy in renal angiomyolipoma, Taavitsainen M; Krogerus L; Rannikko S, Acta Radiol 1989; **30:** 381

automated biopsy devices: significance and safety, Bernardino ME, Radiology 1990; **176:** 615

cutaneous seeding of renal carcinoma by Chiba needle aspiration biopsy: case report, Shenoy PD; Lakhkar BN; Ghosh MK; et al, Acta Radiol 1991; **32:** 50

efficacy of automated biopsy guns versus conventional biopsy needles in the pygmy pig, Hopper KD; Baird DE; Reddy VV; Landis JR; Parker SH; Tyler HN Jr; Ownbey JL; McCauslin MA; Yakes WF; Sabatelli FW; Mott PL, Radiology 1990; **176:** 671

embolic control of lumbar artery hemorrhage complicating percutaneous renal biopsy with a 3-F coaxial catheter system: case report, Kim KT; Kim BS; Park YH; et al, Cardiovasc Intervent Radiol 1991; **14:** 175

fluoroscopically guided retrograde brush biopsy in the diagnosis of transitional cell carcinoma of the upper urinary tract: results in 45 patients, Sheline M; Amendola MA; Pollack HM; et al, AJR 1989; **153:** 313

method of euthanasia in animal study, Gregory SP; Waterman AE; Weaver BMQ, Radiology 1991; **179:** 288

method of euthanasia in animal study: reply, Hopper KD; Baird DE; Parker SH, Radiology 1991; **179:** 288

needle biopsy of renal allografts: comparison of two techniques, Bogan ML; Kopecky KK; Kraft JL; Holladay AO; Filo RS; Leapman SB; Thomalla JV, Radiology 1990; **174:** 273

optimal needle size for renal biopsy: in vitro and in vivo evaluation, Mostbeck GH; Wittich GR; Derfler K; Ulrich W; Walter RM; Herold C; Haller J; Tscholakoff D, Radiology 1989; **173:** 819

percutaneous biopsy of the kidney and adrenal glands, Dunnick NR; Leder RA; Roubidoux MA, Urol Radiol 1990; **12:** 125

percutaneous pediatric renal biopsy: use of the biopsy gun, Poster RB; Jones DB; Spirt BA, Radiology 1990; **176:** 725

percutaneous renal and adrenal biopsies, Vassiliades VG; Bernardino ME, Cardiovasc Intervent Radiol 1991; **14:** 50

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; **171:** 253

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 336

ultrasound guided percutaneous renal biopsy, Arenson AM, Australas Radiol 1991; **35:** 38

Kidney, blood supply

measurement of renal blood flow by ^{131}I-labelled sodium iodohippurate imaging in a rat model of herpes encephalitis, Cleator GM; Klapper PE; Lewis AG; et al, Acta Radiol 1990; **31:** 538

patients at high risk for renal artery stenosis: a simple method of renal scintigraphic analysis with Tc-99m DTPA and captopril, Chen CC; Hoffer PB; Vahjen G; Gottschalk A; Koster K; Zubal IG; Setaro JF; Roer DA; Black HR, Radiology 1990; **176:** 365

quantitative assessment of blood flow in pediatric recipients of renal transplants, Ash J; DeSouza M; Peters M; et al, J Nucl Med 1990; **31:** 580

renal artery stenosis: diagnosis with color duplex US, Healy DA; Neumyer MM, Radiology 1990; **176:** 877

renal artery stenosis: diagnosis with color duplex US: reply, Berland LL; Koslin DB, Radiology 1990; **176:** 878

renal artery stenosis: prospective evaluation of diagnosis with color duplex US compared with angiography: work in progress, Berland LL; Koslin DB; Routh WD; Keller FS, Radiology 1990; **174:** 421

Kidney, calcification

echogenic rings—an ultrasound sign of early nephrocalcinosis, Al-Murrani B; Cosgrove DO; Svensson WE; et al, Clin Radiol 1991; **44:** 49

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

hypercalciuric Bartter syndrome: resolution of nephrocalcinosis with indomethacin, Matsumoto J; Han BK; Restrepo de Rovetto C; et al, AJR 1989; **152:** 1251

nephrocalcinosis in homozygous familial hypercholesterolemia: ultrasound and CT findings, Hill SC; Hoeg JM; Avila NA, JCAT 1991; **15:** 101

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

ultrasound demonstration of nephrocalcinosis in William's syndrome, Jantarasami T; Larew M; Kao SCS; et al, JCU 1989; **17:** 533

ultrasound diagnosis of nephrocalcinosis in preterm infants, (ab), Woolfield N; Haslam R; Le Quesne G; et al, Radiology 1989; **170:** 590

unusual tubular calcification of a nephrostomy tract, Mirich DR; Gray RR; Goldberg SD, Urol Radiol 1989; **11:** 118

Kidney, calculi

coexisting nephrolithiasis and cholelithiasis in premature infants, Blickman JG; Herrin JT; Cleveland RH; et al, Pediatr Radiol 1991; **21:** 363

does medullary sponge kidney cause nephrolithiasis?, Ginalski JM; Portmann L; Jaeger P, AJR 1990; **155:** 299

first kidney stone, (ab), Uribarri J; Oh MS; Carroll HJ, Radiology 1990; **175:** 883

fragmented staghorn calculus: a radiological sign of pyonephrosis, Penter G; Arkell DG, Clin Radiol 1989; **40:** 61

metallic staples refluxing to the upper urinary tract: a source of renal calculi in patients with ileal conduit urinary diversion, McCarthy P; Cheung L; Hanno P; et al, Br J Radiol 1991; **64:** 467

nephrocutaneous fistula diagnosed by computed tomography, Cooper SG; Richman AH; Tager MG, Urol Radiol 1989; **11:** 33

percutaneous infundibuloplasty: management of calyceal diverticula and infundibular stenosis, Lang EK, Radiology 1991; **181:** 871

percutaneous nephrolithotomy for calculi in horseshoe kidneys, (ab), Jones DJ; Wickham JEA; Kellett MJ, JVIR 1991; **2:** 421

percutaneous nephrostomy tube placement: an outpatient procedure?, Cochran ST; Barbaric ZL; Lee JJ; Kashfian P, Radiology 1991; **179:** 843

percutaneous stone and stent removal from renal transplants, Gedroyc WMW; MacIver D; Joyce MRL; et al, Clin Radiol 1989; **40:** 174

renal calculi after shock wave lithotripsy: US evaluation with an in vitro phantom, Choyke PL; Pahira JH; Davros WJ; Nilges E; Dwyer AJ; Mun SK, Radiology 1989; **170:** 39

renal matrix calculus: sonographic appearance, Zwirewich CV; Buckley AR; Kidney MR; et al, J Ultrasound Med 1990; **9:** 61

renal stone formation following medical treatment of renal candidiasis, Cramer BC; Ozere R; Andrews W, Pediatr Radiol 1990; **21:** 43

spontaneous percutaneous delivery of a renal stone: case report, Holm J, Acta Radiol 1991; **32:** 254

stone fragility: a new therapeutic distinction, (ab), Dretler SP, Radiology 1989; **170:** 289

stones and infection in renal caliceal diverticula: treatment with percutaneous procedures, Ellis JH; Patterson SK; Sonda LP; et al, AJR 1991; **156:** 995

ultrasound assessment of local complications of percutaneous renal stone removal, Ivory CM; Dubbins PA; Wells IP; et al, JCU 1989; **17:** 345

Kidney, CT

asymmetry of the renal nephrograms on CT: significance of the unilateral prolonged cortical nephrogram, Birnbaum BA; Bosniak MA; Megibow AJ, Urol Radiol 1991; **12:** 173

bacterial renal infection: role of CT, Soulen MC; Fishman EK; Goldman SM; Gatewood OMB, Radiology 1989; **171:** 703

bacterial renal infection: role of CT, Jeffrey RB Jr, Radiology 1989; **173:** 574

bacterial renal infection: role of CT, Gold RP; McClennan BL, Radiology 1990; **174:** 283

bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 575

bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1990; **174:** 284

benign non-parenchymal renal tumors: radiologic appearances, Inoue Y; Nakamura H; Yamaguchi S; et al, Clin Imag 1991; **15:** 113

Caroli disease: central dot sign in CT, Choi BI; Yeon KM; Kim SH; Han MC, Radiology 1990; **174:** 161

circumferential perirenal urinoma mimicking nephromegaly on urography, Tien R; Shirkhoda A; David R, Urol Radiol 1989; **11:** 92

computed tomography of renal abscesses complicating medullary sponge kidney, Levine E, JCAT 1989; **13:** 440

computerized tomography in acute pyelonephritis: the clinical correlations, (ab), Tsugaya M; Hirao N; Sakagami H; et al, Radiology 1991; **178:** 898

CT findings in acute renal cortical necrosis, Jordan J; Low R; Jeffrey RB Jr, JCAT 1990; **14:** 155

CT in the diagnosis of renal trauma, Fanney DR; Casillas J; Murphy BJ, Radiographics 1990; **10:** 29

CT nephrogram in acute obstructive uropathy, Samin A; Becker JA, Urol Radiol 1991; **12:** 178

CT of severe renal trauma in children: evaluation and course of healing with conservative therapy, Yale-Loehr AJ; Kramer SS; Quinlan DM; et al, AJR 1989; **152:** 109

current status of imaging indeterminate renal masses, Hartman DS; Aronson S; Frazer H, Radiol Clin North Am 1991; **29:** 475

focal renal infarction after retroperitoneal lymph-node dissection: CT diagnosis, Zissin R; Hertz M; Apter S; et al, AJR 1989; **153:** 325

focal xanthogranulomatous pyelonephritis simulating a renal tumor: CT characteristics, Shah M; Haaga JR, JCAT 1989; **13:** 712

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

medullary sponge kidney on axial computed tomography: comparison with excretory urography, Ginalski J-M; Schnyder P; Portmann L; et al, Eur J Radiol 1991; **12:** 104

nephrocutaneous fistula diagnosed by computed tomography, Cooper SG; Richman AH; Tager MG, Urol Radiol 1989; **11:** 33

paroxysmal nocturnal hemoglobinuria: case report of MR imaging and CT findings, Kim SH; Han MC; Lee JS; et al, Acta Radiol 1991; **32:** 315

persistent CT nephrogram: significance in the diagnosis of contrast nephropathy, Love L; Lind JA Jr; Olson MC, Radiology 1989; **172:** 125

quantitation of the in vivo kidney volume with cine computed tomography, Lerman LO; Bentley MD; Bell MR; et al, Invest Radiol 1990; **25:** 1206

renal imaging in long-term dialysis patients: a comparison of CT and sonography, Taylor AJ; Cohen EP; Erickson SJ; et al, AJR 1989; **153:** 765

renal peripelvic lymphangiectasia: appearance at CT, Murray KK; McLellan GL, Radiology 1991; **180:** 455

replacement lipomatosis of the kidney: CT features, Honda H; McGuire CW; Barloon TJ; et al, JCAT 1990; **14:** 229

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; **174:** 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; **174:** 896

sequelae of acute renal infections: CT evaluation, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 423

spontaneous perinephric and subcapsular renal hemorrhage: evaluation with CT, US, and angiography, Belville JS; Morgentaler A; Loughlin KR; Tumeh SS, Radiology 1989; **172:** 733

spontaneous subcapsular and perirenal hematomas, Bosniak MA, Radiology 1989; **172:** 601

three-dimensional imaging of the pelviocaliceal system by computerized tomographic reconstruction, (ab), Heyns CF; van Gelderen WFC, Radiology 1991; **180:** 293

ultrasound and computed tomographic appearance of extramedullary hematopoiesis encasing the renal pelvis, Tuite MJ; Weiss SL, JCU 1991; **19:** 238

unilateral renal cystic disease: CT findings, Levine E; Huntrakoon M, JCAT 1989; **13:** 273

Kidney, cysts

acquired cystic disease of the kidney: ultrasound as the primary screening procedure, Manns RA; Burrows FGO; Adu D; et al, Clin Radiol 1990; **41:** 248

acquired cystic kidney disease: occurrence, prevalence, and renal cancers, (ab), Matson MA; Cohen RP, Radiology 1991; **178:** 588

Caroli disease: central dot sign in CT, Choi BI; Yeon KM; Kim SH; Han MC, Radiology 1990; **174:** 161

Caroli's disease associated with infantile polycystic kidney disease: prenatal sonographic appearance, Hussman KL; Friedwald JP; Gollub MJ; et al, J Ultrasound Med 1991; **10:** 235

case of the month: a dense problem, O'Keefe D; Adams JE, Br J Radiol 1991; **64:** 559

coexistent autosomal recessive polycystic kidney disease and UPJ obstruction: prenatal sonographic findings, Brown DL; Emerson DS; Chesney T; et al, J Ultrasound Med 1991; **10:** 475

combined gadolinium-enhanced and fat-saturation MR imaging of renal masses, Semelka RC; Hricak H; Stevens SK; Finegold R; Tomei E; Carroll PR, Radiology 1991; **178:** 803

cystic renal masses: usefulness of the Bosniak classification, Aronson S; Frazier HA; Baluch JD; et al, Urol Radiol 1991; **13:** 83

cysts and cystic neoplasms, Hartman DS, Urol Radiol 1990; **12:** 7

decompression of acute urinary tract obstruction by extravasation into a large simple renal cyst, Borge MA; Clark RL, Urol Radiol 1990; **12:** 151

diagnostic cyst puncture of multicystic kidney in neonates, Kullendorff CM; Salmonson EC; Laurin S, Acta Radiol 1990; **31:** 287

differentiating between benign and malignant cystic lesions of the kidney, (ab), Bosniak MA, Radiology 1991; **181:** 293

difficulties in classifying cystic lesions of the kidney, Bosniak MA, Urol Radiol 1991; **13:** 91

emphysematous pyelonephritis in a polycystic kidney: demonstration by ultrasound and computed tomography, Chou Y-H; Tiu C-M; Chen T-W; et al, J Ultrasound Med 1990; **9:** 355

glomerulocystic kidney disease: case report, Cachero S; Montgomery P; Seidel FG; et al, Pediatr Radiol 1990; **20:** 491

hepatic cyst infection in autosomal dominant polycystic kidney disease, (ab), Telenti A; Torres VE; Gross JB Jr; et al, Radiology 1991; **178:** 587

increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Estroff JA; Mandell J; Benacerraf BR, Radiology 1991; **181:** 135

liver cysts associated with polycystic kidney disease: role of Tc-99m hepatobiliary imaging, Salam M; Keeffe EB, Clin Nucl Med 1989; **14:** 803

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

MR evaluation of renal space-occupying lesions: diagnostic criteria, Hovsepian DM; Levy H; Amis ES Jr; et al, Urol Radiol 1990; **12:** 74

MR imaging of adult glomerulocystic kidney disease: a case report, Egashira K; Nakata H; Hashimoto O; et al, Acta Radiol 1991; **32:** 251

multilocular cyst of the kidney (cystic nephroma) and cystic, partially differentiated nephroblastoma: terminology and criteria for diagnosis, (ab), Joshi VV; Beckwith JB, Radiology 1990; **174:** 899

multilocular cysts of kidney: a study of 29 patients and review of literature, (ab), Castillo OA; Boyle ET Jr; Kramer SA, Radiology 1991; **181:** 612

natural history of acquired renal cystic disease in dialysis patients: a prospective longitudinal CT study, Levine E; Slusher SL; Grantham JJ; et al, AJR 1991; **156:** 501

neoplasia and acquired renal cystic disease in patients undergoing chronic ambulatory peritoneal dialysis, (ab), Trabucco AF; Johansson SL; Egan JD; et al, Radiology 1990; **176:** 884

observations on the use of Doppler ultrasound in multicystic dysplastic kidney, Hendry PJ; Hendry GMA, Pediatr Radiol 1991; **21:** 203

percutaneous nephrostogram in the newborn with bilateral renal cystic disease, (ab), Blane CE; DiPietro MA; Bloom DA; et al, Radiology 1989; **172:** 295

polycystic disease of the kidney coexisting with medullary sponge kidney, Anderson JEM; Steens RD; Hurst PE, Australas Radiol 1990; **34:** 341

prenatal diagnosis by ultrasound in pregnancies at risk for autosomal recessive polycystic kidney disease, Reuss A; Wladimiroff JW; Stewart PA; et al, Ultrasound Med Biol 1990; **16:** 355

pyramidal hyperechogenicity in autosomal recessive polycystic kidney disease resembling medullary nephrocalcinosis, Herman TE; Siegel MJ, Pediatr Radiol 1991; **21:** 270

renal angiolipomas combined with renal cystic disease in tuberous sclerosis, Henze E; Roth J; Baehren W, Eur J Radiol 1989; **9:** 125

renal cystic disease, Hayden CK Jr; Swischuk LE, Semin US CT MR 1991; **12:** 361

renal masses: characterization with Doppler US, Kier R; Taylor KJW; Feyock AL; Ramos IM, Radiology 1990; **176:** 703

renal masses: evaluation with gradient-echo Gd-DTPA–enhanced dynamic MR imaging, Eilenberg SS; Lee JKT; Brown JJ; Mirowitz SA; Tartar VM, Radiology 1990; **176:** 333

renal peripelvic lymphangiectasia: appearance at CT, Murray KK; McLellan GL, Radiology 1991; **180:** 455

seminal vesicle cysts: association with adult polycystic kidney disease, Alpern MB; Dorfman RE; Gross BH; Gottlieb CA; Sandler MA, Radiology 1991; **180:** 79

simple renal cysts in children: diagnosis and follow-up with US, McHugh K; Stringer DA; Hebert D; Babiak CA, Radiology 1991; **178:** 383

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

sonolucent cortical rim in infantile polycystic kidneys: histologic correlation, Currarino G; Stannard MW; Rutledge JC, J Ultrasound Med 1989; **8:** 571

unilateral renal cystic disease: CT findings, Levine E; Huntrakoon M, JCAT 1989; **13:** 273

Von Hippel–Lindau disease: inadequacy of angiography for identification of renal cancers, Miller DL; Choyke PL; Walther MM; Doppman JL; Kragel PJ; Weiss GH; Linehan WM, Radiology 1991; **179:** 833

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Kidney, diseases

coexistent xanthogranulomatous pyelonephritis and massive replacement lipomatosis of the kidney: CT diagnosis, Acunaş B; Acunaş G; Rozanes I; et al, Urol Radiol 1990; **12:** 88

CT appearance of large sternoclavicular calcific masses in a teenager with chronic renal disease and secondary hyperparathyroidism, on hemodialysis maintenance, O'Malley BM; Haller JO; Twersky J; et al, Pediatr Radiol 1989; **19:** 339

CT diagnosis of renal vein thrombosis in nephrotic syndrome, Wei LQ; Rong ZK; Gui L; et al, JCAT 1991; **15:** 454

diabetic nephropathy: an update, (ab), Reddi AS; Camerini-Davalos RA, Radiology 1990; **176:** 295

dosing of contrast material to prevent contrast nephropathy in patients with renal disease, (ab), Cigarroa RG; Lange RA; Williams RH; et al, Radiology 1989; **173:** 883

from the archives of the AFIP: xanthogranulomatous pyelonephritis, Hayes WS; Hartman DS; Sesterhenn IA, Radiographics 1991; **11:** 485

glomerulocystic renal disease: ultrasound appearances, Fredericks BJ; de Campo M; Chow CW; et al, Pediatr Radiol 1989; **19:** 184

growth plate injury of the hand and wrist in renal osteodystrophy, Arvin M; White SJ; Braunstein EM, Skeletal Radiol 1990; **19:** 515

hyperechogenic renal hypertrophy in glomerulosclerosis, Enriquez G; Lucaya J; Nieto J; et al, Pediatr Radiol 1989; **19:** 441

hyperechogenic "rings" in the periphery of renal medullary pyramids as a sign of renal disease, Päivänsalo MJ; Kallioinen MJ; Merikanto JS; et al, JCU 1991; **19:** 283

hyperechoic medulla of the kidneys, Toyoda K; Miyamoto Y; Ida M; Tada S; Utsunomiya M, Radiology 1989; **173:** 431

hyperechoic renal medullary pyramids in infants and children, Hernanz-Schulman M, Radiology 1991; **181:** 9

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

hypothesis: reduced renal mass with glomerular hyperfiltration, a cause of renal hyperechogenicity in children, Avni EF; Van Sinoy M-L; Hall M; et al, Pediatr Radiol 1989; **19:** 108

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Estroff JA; Mandell J; Benacerraf BR, Radiology 1991; **181:** 135

intrarenal arterial Doppler sonography in patients with nonobstructive renal disease: correlation of resistive index with biopsy findings, Platt JF; Ellis JH; Rubin JM; et al, AJR 1990; **154:** 1223

renal atrophy or infarction in children with neuroblastoma, Day DL; Johnson RT; Odrezin GT; Woods WG; Alford BA, Radiology 1991; **180:** 493

renal pathology in von Hippel-Lindau disease, (ab), Solomon D; Schwartz A, Radiology 1989; **171:** 292

replacement lipomatosis of the kidney: CT features, Honda H; McGuire CW; Barloon TJ; et al, JCAT 1990; **14:** 229

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

seminal vesicle cysts: association with adult polycystic kidney disease, Alpern MB; Dorfman RE; Gross BH; Gottlieb CA; Sandler MA, Radiology 1991; **180:** 79

sonographic manifestations of medical renal disease, Huntington DK; Hill SC; Hill MC, Semin US CT MR 1991; **12:** 290

"superscan" appearance in distal renal tubular acidosis, Ohashi K; Smith HS; Jacobs MP, Clin Nucl Med 1991; **16:** 318

transient acute tubular dysfunction in the newborn: CT findings, McLaughlin MG; Swayne LC; Rubenstein JB; et al, Pediatr Radiol 1990; **20:** 363

Kidney, diverticula

percutaneous infundibuloplasty: management of calyceal diverticula and infundibular stenosis, Lang EK, Radiology 1991; **181:** 871

sequelae of acute renal infections: CT evaluation, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 423

spontaneous rupture of pyelocaliceal diverticulum, Hosomi M; Oka T; Miyake O; et al, Urol Radiol 1989; **11:** 136

stones and infection in renal caliceal diverticula: treatment with percutaneous procedures, Ellis JH; Patterson SK; Sonda LP; et al, AJR 1991; **156:** 995

Kidney, dysplasia

increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Estroff JA; Mandell J; Benacerraf BR, Radiology 1991; **181:** 135

observations on the use of Doppler ultrasound in multicystic dysplastic kidney, Hendry PJ; Hendry GMA, Pediatr Radiol 1991; **21:** 203

percutaneous decompression: treatment for respiratory distress secondary to multicystic dysplastic kidney, (ab), Holloway WR; Weinstein SH, Radiology 1991; **178:** 292

renal obstructive dysplasia: ultrasound diagnosis and therapeutic implications, Blane CE; Barr M; DiPietro MA; et al, Pediatr Radiol 1991; **21:** 274

structural genitourinary defects detected in utero, Mandell J; Blyth BR; Peters CA; Retik AB; Estroff JA; Benacerraf BR, Radiology 1991; **178:** 193

Kidney, effects of drugs on

acute and chronic renal effects of radiocontrast in diabetic rats: role of anesthesia and risk factors, Vaamonde CA; Bier RT; Papendick R; et al, Invest Radiol 1989; **24:** 206

contrast media-induced lipid peroxidation in the rat kidney, Parvez Z; Rahman MA; Moncada R, Invest Radiol 1989; **24:** 697

effect of diatrizoate on renal extraction of PAH in man, Tidgren B; Golman K, Acta Radiol 1989; **30:** 521

effects of high- and low-osmolar contrast media on renal plasma flow and glomerular filtration rate in euvolaemic and dehydrated rats: a comparison between ioxithalamate, iopamidol, iohexol and ioxaglate, Nygren A; Ulfendahl HR, Acta Radiol 1989; **30:** 383

electric modification of kidney function: the excretion of radiographic contrast media and adriamycin, Nordenström BEW; Kinn A-C; Elbarouni J, Invest Radiol 1991; **26:** 157

evaluation of renal function, Becker JA, Radiology 1991; **179:** 337

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

influence of nephrotoxic drugs on the late renal toxicity associated with bone marrow transplant conditioning regimens, Moulder JE; Fish BL, Int J Radiat Oncol Biol Phys 1991; **20:** 333

ioxilan, a third generation low osmolality nonionic contrast medium: systemic and renal hemodynamic effects, Katzberg RW; Donahue LA; Morris TW; et al, Invest Radiol 1990; **25:** 46

oxygen free radical involvement in urinary Tamm-Horsfall protein excretion after intrarenal injection of contrast medium, Bakris GL; Gaber AO; Jones JD, Radiology 1990; **175:** 57

patients at high risk for renal artery stenosis: a simple method of renal scintigraphic analysis with Tc-99m DTPA and captopril, Chen CC; Hoffer PB; Vahjen G; Gottschalk A; Koster K; Zubal IG; Setaro JF; Roer DA; Black HR, Radiology 1990; **176:** 365

persistent CT nephrogram: significance in the diagnosis of contrast nephropathy, Love L; Lind JA Jr; Olson MC, Radiology 1989; **172:** 125

renal effects of the non-ionic contrast medium iopentol after intravenous injection in healthy volunteers, Jakobsen JA; Berg KJ; Waaler A; et al, Acta Radiol 1990; **31:** 87

renal handling and physiologic effects of the paramagnetic contrast medium Gd-DOTA, Katzberg RW; Sahler LG; Duda SW; et al, Invest Radiol 1990; **25:** 714

renal hemodynamic effects of contrast media, Talner LB; Davidson AJ, Invest Radiol 1990; **25:** 365

renal tolerance for ioxaglate in patients with chronic renal failure, Deray G; Cacoub P; Jacquiaud C; Drobinski M; Brillet G; Bunker D; Jaudon M-C; Jacobs C, Radiology 1991; **179:** 395

urinary protein excretion following intravenously administered ionic and non-ionic contrast media in man, Skovgaard N; Holm J; Hemmingsen L; et al, Acta Radiol 1989; **30:** 517

Kidney, effects of irradiation on

fractionation effects and repair kinetics in rat kidney, van Rongen E; Kuijpers WC; Madhuizen HT, Int J Radiat Oncol Biol Phys 1990; **18:** 1093

nephropathy in the mature pig after the irradiation of a single kidney: a comparison with the immature pig, Robbins MEC; Campling D; Rezvani M; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1519

precipitation of radiation injury in kidney epithelium reveals a low fractionation sensitivity (α/β = 12.5 Gy), Ewen C; Hendry JH, Br J Radiol 1989; **62:** 283

quantitative morphology of late renal radiation injury, Jordan SW; Brayer JM; Bartels PH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 101

radiation injury in the human kidney: a prospective analysis using specific scintigraphic and biochemical endpoints, Dewit L; Anninga JK; Hoefnagel CA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 977

Kidney, failure

acute renal dysfunction in high-risk patients after angiography: comparison of ionic and nonionic contrast media, Gomes AS; Lois JF; Baker JD; McGlade CT; Bunnell DH; Hartzman S, Radiology 1989; **170:** 65

acute renal failure in rats: interaction between contrast media and temporary renal arterial occlusion, Cederholm C; Almén T; Bergqvist D; et al, Acta Radiol 1989; **30:** 321

acute renal failure: possible role of duplex Doppler US in distinction between acute prerenal failure and acute tubular necrosis, Platt JF; Rubin JM; Ellis JH, Radiology 1991; **179:** 419

case report 599, Coral A; van Holsbeeck M; Hegg C, Skeletal Radiol 1990; **19:** 147

colonic diverticulitis in young patients with chronic renal failure and transplantation, Abramson SJ; Berdon WE; Laffey K; et al, Pediatr Radiol 1991; **21:** 352

contrast medium-induced acute renal failure: can it be prevented?, Golman K; Cederholm C, Invest Radiol 1990; **25:** S127

demonstration of CT hyperdensity in patients with acute renal failure associated with rhabdomyolysis, Russ PD; Dillingham M, JCAT 1991; **15:** 458

diverticular complications of renal failure, Galbraith P; Bagg MN; Schabel SI; et al, Gastrointest Radiol 1990; **15:** 259

duplex Doppler US of renal allografts: causes of elevated resistive index, Don S; Kopecky KK; Filo RS; Leapman SB; Thomalla JV; Jones JA; Klatte EC, Radiology 1989; **171:** 709

enzyme markers of contrast media-induced renal failure, Parvez Z; Ramamurthy S; Patel NB; et al, Invest Radiol 1990; **25:** S133

evaluation of acute renal failure with magnetic resonance imaging using gradient-echo and Gd-DTPA, Munechika H; Sullivan DC; Hedlund LW; et al, Invest Radiol 1991; **26:** 22

extensive calcification in the breast in chronic renal failure, Evans SE; Whitehouse GH, Br J Radiol 1991; **64:** 757

extensive extraosseous localization of bone imaging agent in a patient with renal failure and rhabdomyolysis accompanied by combined hypercalcemia and hyperphosphatemia, Shih W-J; Flueck J; O'Connor W; et al, Clin Nucl Med 1989; **14:** 163

hemorrhagic fever with renal syndrome: MR imaging of the kidney, Kim SH; Sim S; Lee JS; Choi BI; Kim YG; Han JS; Park JH; Han MC; Kim C-W, Radiology 1990; **175:** 823

inflammatory abdominal aortic aneurysm: a cause of urinary obstruction and acute renal failure, Bartlett P; Woods D; Dobranowski J, J Canad Assoc Radiol 1989; **40:** 164

metaphyseal sclerosis in patients with chronic renal failure, Young W; Sevcik M; Tallroth K, Skeletal Radiol 1991; **20:** 197

myocardial calcification and cardiac dysfunction in chronic renal failure, (ab), Rostand SG; Sanders C; Kir KAA; et al, Radiology 1989; **172:** 293

nodular duodenum in chronic renal failure, Cassar-Pullicino VN; Davies AM; Hubscher S; et al, Clin Radiol 1990; **41:** 326

patchy cerebral white matter edema in chronic renal failure, Anlar B; Erzen C; Saatci U, Pediatr Radiol 1989; **19:** 444

perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR, Radiology 1990; **175:** 103

periosteal new bone formation in chronic renal failure, Parnell AP; Simpson W; Ward MK, Clin Radiol 1989; **40:** 490

psoas muscle calcification and acute renal failure associated with nontraumatic rhabdomyolysis: CT features, Towers MJ; Downey DB; Poon PY, JCAT 1990; **14:** 1027

renal blood flow pattern by noninvasive Doppler ultrasound in normal children and acute renal failure patients, Wong SN; Lo RNS; Yu ECL, J Ultrasound Med 1989; **8:** 135

renal lesion characterization with gadolinium-enhanced MR imaging: efficacy and safety in patients with renal insufficiency, Rofsky NM; Weinreb JC; Bosniak MA; Libes RB; Birnbaum BA, Radiology 1991; **180:** 85

renal transplant pyelocaliectasis: role of duplex Doppler US in evaluation, Platt JF; Ellis JH; Rubin JM, Radiology 1991; **179:** 425

sonographic changes of the pancreas in chronic renal failure, Lerch MM; Riehl J; Mann H; et al, Gastrointest Radiol 1989; **14:** 311

Kidney, function

clinical comparison of I-131 orthoiodohippurate and the kit formulation of Tc-99m mercaptoacetyltriglycine, Taylor A Jr; Ziffer JA; Steves A; Eshima D; Delaney VB; Welchel JD, Radiology 1989; **170:** 721

dynamic Gd-DTPA–enhanced MR imaging of the kidney: experimental results, Choyke PL; Frank JA; Girton ME; Inscoe SW; Carvlin MJ; Black JL; Austin HA; Dwyer AJ, Radiology 1989; **170:** 713

electric modification of kidney function: the excretion of radiographic contrast media and adriamycin, Nordenström BEW; Kinn A-C; Elbarouni J, Invest Radiol 1991; **26:** 157

in vivo glomerular filtration rate measurement based solely on image processing, Cerino M; Lette J; Eybalin M-C; et al, Clin Nucl Med 1991; **16:** 79

ioxaglate-induced light and electron microscopic alterations in the renal proximal tubular epithelium of rats, Battenfeld R; Khater AER; Drommer W; et al, Invest Radiol 1991; **26:** 35

measurement of renal function with radionuclides, Russell CD; Dubovsky EV, J Nucl Med 1989; **30:** 2053

obstructive nephropathy: evaluation with dynamic Gd-DTPA–enhanced MR imaging, Semelka RC; Hricak H; Tomei E; Floth A; Stoller M, Radiology 1990; **175:** 797

oxygen free radical involvement in urinary Tamm-Horsfall protein excretion after intrarenal injection of contrast medium, Bakris GL; Gaber AO; Jones JD, Radiology 1990; **175:** 57

patients at high risk for renal artery stenosis: a simple method of renal scintigraphic analysis with Tc-99m DTPA and captopril, Chen CC; Hoffer PB; Vahjen G; Gottschalk A; Koster K; Zubal IG; Setaro JF; Roer DA; Black HR, Radiology 1990; **176:** 365

radiocontrast-associated renal dysfunction: a comparison of lower-osmolality and conventional high-osmolality contrast media, Lautin EM; Freeman NJ; Schoenfeld AH; et al, AJR 1991; **157:** 59

radiocontrast-associated renal dysfunction: incidence and risk factors, Lautin EM; Freeman NJ; Schoenfeld AH; et al, AJR 1991; **157:** 49

renal functional response to dopamine during and after arteriography in patients with chronic renal insufficiency, Hans B; Hans SS; Mittal VK; Khan TA; Patel N; Dahn MS, Radiology 1990; **176:** 651

renal function and technetium-99m-dimercaptosuccinic acid uptake in single kidneys: the value of in vivo SPECT quantitation, Groshar D; Embon OM; Frenkel A; et al, J Nucl Med 1991; **32:** 766

two-compartment, two-sample technique for accurate estimation of effective renal plasma flow: theoretical development and comparison with other methods, Lear JL; Feyerabend AJ; Gregory C, Radiology 1989; **172:** 431

use of Gd-DTPA and fast gradient-echo and spin-echo MR imaging to demonstrate renal function in the rabbit, Carvlin MJ; Arger PH; Kundel HL; Axel L; Dougherty L; Kassab EA; Moore B, Radiology 1989; **170:** 705

Kidney, hematoma

See Kidney, hemorrhage

Kidney, hemorrhage

embolization of iatrogenic renal hemorrhage following percutaneous nephrostomy, Peene P; Wilms G; Baert AL, Urol Radiol 1990; **12:** 84

hemorrhagic fever with renal syndrome: MR imaging of the kidney, Kim SH; Sim S; Lee JS; Choi BI; Kim YG; Han JS; Park JH; Han MC; Kim C-W, Radiology 1990; **175:** 823

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

life-threatening post-nephrolithotomy hemorrhage resulting in cessation of kidney function, treated by transcatheter arterial embolization with subsequent restoration of excretory function, Szmigielski W; Hanna RM; Dahniya MH; et al, Acta Radiol 1991; **32:** 47

perirenal hematoma following catheter removal: an unusual complication of percutaneous nephrostomy, Merine DS; Fishman EK, Clin Imag 1989; **13:** 74

renal masses: characterization with Doppler US, Kier R; Taylor KJW; Feyock AL; Ramos IM, Radiology 1990; **176:** 703

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; **174:** 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; **174:** 896

spontaneous perinephric and subcapsular renal hemorrhage: evaluation with CT, US, and angiography, Belville JS; Morgentaler A; Loughlin KR; Tumeh SS, Radiology 1989; **172:** 733

spontaneous subcapsular and perirenal hematomas, Bosniak MA, Radiology 1989; **172:** 601

test for kidney hemorrhage following exposure to intense, pulsed ultrasound, Carstensen EL; Hartman C; Child SZ; et al, Ultrasound Med Biol 1990; **16:** 681

tube tamponade: potential pitfall in angiography of arterial hemorrhage associated with percutaneous drainage catheters, Routh WD; Tatum CM; Lawdahl RB; Rösch J; Keller FS, Radiology 1990; **174:** 945

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 336

Kidney, immaturity

hyperechoic renal medullary pyramids in infants and children, Hernanz-Schulman M, Radiology 1991; **181:** 9

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

Kidney, infarction

atheroablation with the Kensey catheter: a pathologic study, Coleman CC; Posalaky IP; Robinson JD; Payne WD; Vlodaver ZA; Amplatz K, Radiology 1989; **170:** 391

focal renal infarction after retroperitoneal lymph-node dissection: CT diagnosis, Zissin R; Hertz M; Apter S; et al, AJR 1989; **153:** 325

renal atrophy or infarction in children with neuroblastoma, Day DL; Johnson RT; Odrezin GT; Woods WG; Alford BA, Radiology 1991; **180:** 493

segmental infarction of the renal allograft: ultrasound/MRI observations, Becker JA; Butt K; Lipkowitz G, Urol Radiol 1989; **11:** 109

Kidney, infection

acute renal infections, Thornbury JR, Urol Radiol 1991; **12:** 209

bacterial renal infection: role of CT, Soulen MC; Fishman EK; Goldman SM; Gatewood OMB, Radiology 1989; **171:** 703

bacterial renal infection: role of CT, Jeffrey RB Jr, Radiology 1989; **173:** 574

bacterial renal infection: role of CT, Gold RP; McClennan BL, Radiology 1990; **174:** 283

bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 575

bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1990; **174:** 284

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

hemorrhagic fever with renal syndrome: MR imaging of the kidney, Kim SH; Sim S; Lee JS; Choi BI; Kim YG; Han JS; Park JH; Han MC; Kim C-W, Radiology 1990; **175:** 823

imaging of chronic renal infections, Kenney PJ, AJR 1990; **155:** 485

percutaneous infundibuloplasty: management of calyceal diverticula and infundibular stenosis, Lang EK, Radiology 1991; **181:** 871

percutaneous management of localized emphysematous pyelonephritis, Zagoria RJ; Dyer RB; Harrison LH; Adams PL, JVIR 1991; **2:** 156

renal masses: characterization with Doppler US, Kier R; Taylor KJW; Feyock AL; Ramos IM, Radiology 1990; **176:** 703

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

role of percutaneous nephrostomy in the management of obstructing candidiasis of the urinary tract in infants, (ab), Bartone FF; Hurwitz RS; Rojas EL; et al, Radiology 1989; **170:** 295

stones and infection in renal caliceal diverticula: treatment with percutaneous procedures, Ellis JH; Patterson SK; Sonda LP; et al, AJR 1991; **156:** 995

Kidney, inflammation

See Nephritis

Kidney, injuries

blunt renal and ureteral trauma in childhood: CT patterns of fluid collections, Siegel MJ; Balfe DM, AJR 1989; **152:** 1043

CT in the diagnosis of renal trauma, Fanney DR; Casillas J; Murphy BJ, Radiographics 1990; **10:** 29

CT of severe renal trauma in children: evaluation and course of healing with conservative therapy, Yale-Loehr AJ; Kramer SS; Quinlan DM; et al, AJR 1989; **152:** 109

hematuria and clinical findings as indications for intravenous pyelography in pediatric blunt renal trauma, (ab), Lieu TA; Fleisher GR; Mahboubi S; et al, Radiology 1989; **170:** 903

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

nephrotoxicity from contrast material in renal insufficiency: ionic versus nonionic agents, Harris KG; Smith TP; Cragg AH; Lemke JH, Radiology 1991; **179:** 849

radiographic assessment of renal trauma: a 10-year prospective study of patient selection, (ab), Mee SL; McAninch JW; Robinson AL; et al, Radiology 1989; **173:** 587

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; **174:** 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; **174:** 896

Kidney, interventional procedure

anastomosed ureters: fluoroscopically guided transconduit retrograde catheterization, Banner MP; Amendola MA; Pollack HM, Radiology 1989; **170:** 45

angiomyolipoma: postembolization liquefaction and percutaneous drainage, Edelman MA; Mitty HA; Dan SJ; et al, Urol Radiol 1990; **12:** 145

antibiotic bonded nephrostomy catheters for percutaneous nephrostomies, Nosher JL; Ericksen AS; Trooskin SZ; et al, Cardiovasc Intervent Radiol 1990; **13:** 102

antibiotics and nephrostomy tube care: preliminary observations. part I. bacteriuria, Cronan JJ; Marcello A; Horn DL; Robinson A; Dorfman GS; Opal S, Radiology 1989; **172:** 1041

antibiotics and nephrostomy tube care: preliminary observations. part II. bacteremia, Cronan JJ; Horn DL; Marcello A; Robinson A; Paolella LP; Lambiase RE; Haas RA; Opal S; Dorfman GS, Radiology 1989; **172:** 1043

diagnostic cyst puncture of multicystic kidney in neonates, Kullendorff CM; Salmonson EC; Laurin S, Acta Radiol 1990; **31:** 287

eccentric nephroscopy for the incarcerated nephrostomy, Koolpe HA; Lord B, Urol Radiol 1990; **12:** 96

exchange of an obstructed loop nephrostomy catheter: technical note, Cazenave FL; Glass-Royal MC; Barth KH, Cardiovasc Intervent Radiol 1990; **13:** 327

incidental extraction of double pigtail catheter during nephrostomy removal, Greenstein A; Shoval Y; Chen J; et al, Urol Radiol 1989; **11:** 121

maintaining quality of life after palliative diversion for malignant ureteral obstruction, Markowitz DM; Wong KT; Laffey KJ; et al, Urol Radiol 1989; **11:** 129

new technique for complete temporary occlusion of the ureter, Castaneda F; Moradian GP; Epstein DH; et al, AJR 1989; **153:** 81

percutaneous drainage of retroperitoneal abscesses, Soffer M; Abecassis J-P; Bonnin A; Grateau G, Radiology 1989; **170:** 280

percutaneous infundibuloplasty: management of calyceal diverticula and infundibular stenosis, Lang EK, Radiology 1991; **181:** 871

percutaneous management of localized emphysematous pyelonephritis, Zagoria RJ; Dyer RB; Harrison LH; Adams PL, JVIR 1991; **2:** 156

percutaneous nephrolithotomy through an intercostal approach, Narasimham DL; Jacobsson B; Vijayan P; et al, Acta Radiol 1991; **32:** 162

percutaneous nephrostomy in pyonephrosis, Camúñez F; Echenagusia A; Prieto ML; et al, Urol Radiol 1989; **11:** 77

percutaneous nephrostomy to relieve renal tract obstruction in pregnancy, Trewhella M; Reid B; Gillespie A; et al, Br J Radiol 1991; **64:** 471

percutaneous nephrostomy tube placement: an outpatient procedure?, Cochran ST; Barbaric ZL; Lee JJ; Kashfian P, Radiology 1991; **179:** 843

percutaneous stone and stent removal from renal transplants, Gedroyc WMW; MacIver D; Joyce MRL; et al, Clin Radiol 1989; **40:** 174

percutaneous treatment of urine leaks in renal transplantation patients, Matalon TAS; Thompson MJ; Patel SK; Ramos MV; Jensik SC; Merkel FK, Radiology 1990; **174:** 1049

perirenal hematoma following catheter removal: an unusual complication of percutaneous nephrostomy, Merine DS; Fishman EK, Clin Imag 1989; **13:** 74

posterior intercostal approach for percutaneous renal procedures: risk of puncturing the lung, spleen, and liver as determined by CT, Hopper KD; Yakes WF, AJR 1990; **154:** 115

renal calculi after shock wave lithotripsy: US evaluation with an in vitro phantom, Choyke PL; Pahira JH; Davros WJ; Nilges E; Dwyer AJ; Mun SK, Radiology 1989; **170:** 39

renal, perirenal, and pararenal abscesses: percutaneous drainage, Lang EK, Radiology 1990; **174:** 109

retrorenal spleen: implications for percutaneous left renal invasive procedures, Hopper KD; Chantelois AE, Invest Radiol 1989; **24:** 592

role of percutaneous nephrostomy in the management of obstructing candidiasis of the urinary tract in infants, (ab), Bartone FF; Hurwitz RS; Rojas EL; et al, Radiology 1989; **170:** 295

spontaneous percutaneous delivery of a renal stone: case report, Holm J, Acta Radiol 1991; **32:** 254

standards for interventional radiology. practice guidelines in interventional radiology: introduction, Spies JB; Bakal CW; Burke DR; Husted JW; McLean G; Palestrant AM; Pentecost MJ; Schwarten DE; Spencer MC; Tate CP; van Breda A; Weyman PJ, JVIR 1991; **2:** 59

total or partial percutaneous renal ablation in the treatment of renovascular hypertension: radiological and clinical aspects, Iaccarino V; Russo D; Niola R; et al, Br J Radiol 1989; **62:** 593

tube tamponade: potential pitfall in angiography of arterial hemorrhage associated with percutaneous drainage catheters, Routh WD; Tatum CM; Lawdahl RB; Rösch J; Keller FS, Radiology 1990; **174:** 945

ultrasound assessment of local complications of percutaneous renal stone removal, Ivory CM; Dubbins PA; Wells IP; et al, JCU 1989; **17:** 345

unusual tubular calcification of a nephrostomy tract, Mirich DR; Gray RR; Goldberg SD, Urol Radiol 1989; **11:** 118

use of percutaneous nephrostomy in malignant ureteric obstruction, Chapman ME; Reid JH, Br J Radiol 1991; **64:** 318

Kidney, MR

dynamic Gd-DTPA–enhanced MR imaging of the kidney: experimental results, Choyke PL; Frank JA; Girton ME; Inscoe SW; Carvlin MJ; Black JL; Austin HA; Dwyer AJ, Radiology 1989; **170:** 713

effects of lithotripsy on rat kidney: evaluation with MR imaging, histology, and electron microscopy, Neuerburg JM; Daus HJ; Recker F; et al, JCAT 1989; **13:** 82

evaluation of acute renal failure with magnetic resonance imaging using gradient-echo and Gd-DTPA, Munechika H; Sullivan DC; Hedlund LW; et al, Invest Radiol 1991; **26:** 22

gadolinium-DTPA enhanced dynamic MR imaging in the evaluation of cisplatinum nephrotoxicity, Frank JA; Choyke PL; Girton ME; et al, JCAT 1989; **13:** 448

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

hemorrhagic fever with renal syndrome: MR imaging of the kidney, Kim SH; Sim S; Lee JS; Choi BI; Kim YG; Han JS; Park JH; Han MC; Kim C-W, Radiology 1990; **175:** 823

hypointense renal cell carcinoma: MR imaging with pathologic correlation, Sussman SK; Glickstein MF; Krzymowski GA, Radiology 1990; **177:** 495

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

implanted coil MR microscopy of renal pathology, Farmer THR; Johnson GA; Cofer GP; et al, Magn Res Med 1989; **10:** 310

localized *in vivo* proton spectroscopy of the human kidney, Shah NJ; Carpenter TA; Wilkinson ID; et al, Magn Res Med 1991; **20:** 292

magnetic resonance imaging of the kidneys and adrenal glands, Baumgartner BR; Chezmar JL, Semin US CT MR 1989; **10:** 43

magnetic resonance imaging of the transplanted kidney: correlation to function and histopathology, Jennerholm S; Backman U; Bohman S-O; et al, Acta Radiol 1990; **31:** 499

MR imaging of adult glomerulocystic kidney disease: a case report, Egashira K; Nakata H; Hashimoto O; et al, Acta Radiol 1991; **32:** 251

MR imaging of renal transplant rejection, Hanna S; Helenon O; Legendre C; et al, Acta Radiol 1991; **32:** 42

MRS of the kidney, Balaban RS, Invest Radiol 1989; **24:** 988

NMR visibility of ^{39}K and ^{35}Cl in erythrocytes and kidney tubules, Boulanger Y; Vinay P, Magn Res Med 1990; **16:** 246

nonionic polyethylene glycol-ferrioxamine as a renal magnetic resonance contrast agent, Duewell S; Wüthrich R; von Schulthess GK; et al, Invest Radiol 1991; **26:** 50

obstructive nephropathy: evaluation with dynamic Gd-DTPA–enhanced MR imaging, Semelka RC; Hricak H; Tomei E; Floth A; Stoller M, Radiology 1990; **175:** 797

paroxysmal nocturnal hemoglobinuria: case report of MR imaging and CT findings, Kim SH; Han MC; Lee JS; et al, Acta Radiol 1991; **32:** 315

phosphorus-31 MRS of the kidney, Hricak H, Invest Radiol 1989; **24:** 993

radiological anatomy of the kidney revisited, Dalla Palma L; Bazzocchi M; Cressa C; et al, Br J Radiol 1990; **63:** 680

renal artery stenosis: in vivo perfusion MR imaging, Powers TA; Lorenz CH; Holburn GE; Price RR, Radiology 1991; **178:** 543

renal corticomedullary junction: performance of T1-weighted MR pulse sequences, Baumgartner BR; Nelson RC; Torres WE; et al, Invest Radiol 1989; **24:** 884

renal lesion characterization with gadolinium-enhanced MR imaging: efficacy and safety in patients with renal insufficiency, Rofsky NM; Weinreb JC; Bosniak MA; Libes RB; Birnbaum BA, Radiology 1991; **180:** 85

renal masses: evaluation with gradient-echo Gd-DTPA–enhanced dynamic MR imaging, Eilenberg SS; Lee JKT; Brown JJ; Mirowitz SA; Tartar VM, Radiology 1990; **176:** 333

renal perfusion model for NMR spectroscopy, Wunderlich CC; Janes NJ; Samphilipo MA Jr, Invest Radiol 1989; **24:** 619

renal transplant rejection: diagnosis with ^{31}P MR spectroscopy, Grist TM; Charles HC; Sostman HD, AJR 1991; **156:** 105

renal transplants: can acute rejection and acute tubular necrosis be differentiated with MR imaging?, Liou JTS; Lee JKT; Heiken JP; Totty WG; Molina PL; Flye WM, Radiology 1991; **179:** 61

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; **174:** 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; **174:** 896

segmental infarction of the renal allograft: ultrasound/MRI observations, Becker JA; Butt K; Lipkowitz G, Urol Radiol 1989; **11:** 109

study of acute renal ischemia in the rat using magnetic resonance imaging and spectroscopy, Terrier F; Lazeyras F; Posse S; et al, Magn Res Med 1989; **12:** 114

study of nephrotoxin-induced acute tubular necrosis with ^{31}P magnetic resonance spectroscopy, Schutz T; González-Méndez R; Nabseth DC; et al, Magn Res Med 1991; **18:** 159

toxicity of dysprosium shift reagents in the isolated perfused rat kidney, Endre ZH; Allis JL; Radda GK, Magn Res Med 1989; **11:** 267

use of Gd-DTPA and fast gradient-echo and spin-echo MR imaging to demonstrate renal function in the rabbit, Carvlin MJ; Arger PH; Kundel HL; Axel L; Dougherty L; Kassab EA; Moore B, Radiology 1989; **170:** 705

variable NMR visibility of intracellular sodium induced by Na^+-substrate cotransport in dog cortical tubules, Ammann H; Boulanger Y; Vinay P, Magn Res Med 1990; **16:** 368

Von Hippel–Lindau disease: inadequacy of angiography for identification of renal cancers, Miller DL; Choyke PL; Walther MM; Doppman JL; Kragel PJ; Weiss GH; Linehan WM, Radiology 1991; **179:** 833

Kidney, necrosis

CT findings in acute renal cortical necrosis, Jordan J; Low R; Jeffrey RB Jr, JCAT 1990; **14:** 155

duplex Doppler US of renal allografts: causes of elevated resistive index, Don S; Kopecky KK; Filo RS; Leapman SB; Thomalla JV; Jones JA; Klatte EC, Radiology 1989; **171:** 709

papillary necrosis causing hydronephrosis in the renal allograft: sonographic findings, Shapeero LG; Vordermark JS, J Ultrasound Med 1989; **8:** 581

renal transplants: can acute rejection and acute tubular necrosis be differentiated with MR imaging?, Liou JTS; Lee JKT; Heiken JP; Totty WG; Molina PL; Flye WM, Radiology 1991; **179:** 61

study of nephrotoxin-induced acute tubular necrosis with ^{31}P magnetic resonance spectroscopy, Schutz T; González-Méndez R; Nabseth DC; et al, Magn Res Med 1991; **18:** 159

ultrasound diagnosis of early renal papillary necrosis, Braden GL; Kozinn DR; Hampf FE Jr; et al, J Ultrasound Med 1991; **10:** 401

unusual radiographic presentation of IgA nephropathy, Springate J; Christensen S; Greenfield S; et al, Pediatr Radiol 1990; **20:** 564

Kidney, neoplasms

See Kidney neoplasms

Kidney, parenchymal pattern

duplex Doppler sonography in renal parenchymal disease: histopathologic correlation, Mostbeck GH; Kain R; Mallek R; et al, J Ultrasound Med 1991; **10:** 189

evaluation of intense renal parenchymal activity ("hot kidneys") on bone scintigraphy, Bernard MS; Hayward M; Hayward C; et al, Clin Nucl Med 1990; **15:** 254

hyperechoic medulla of the kidneys, Toyoda K; Miyamoto Y; Ida M; Tada S; Utsunomiya M, Radiology 1989; **173:** 431

hyperechoic renal medullary pyramids in infants and children, Hernanz-Schulman M, Radiology 1991; **181:** 9

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Estroff JA; Mandell J; Benacerraf BR, Radiology 1991; **181:** 135

normal collecting ducts: visualization at urography, Ohlson L, Radiology 1989; **170:** 33

renal papillary blushes and nonionic contrast agents, Whitehouse RW, Radiology 1989; **172:** 581

thickness of the renal parenchyma decreases with age: a CT study of 360 patients, Gourtsoyiannis N; Prassopoulos P; Cavouras D; et al, AJR 1990; **155:** 541

Kidney, percutaneous drainage
See Kidney, interventional procedure

Kidney, percutaneous nephrostomy
See Kidney, interventional procedure

Kidney, radiography

normal collecting ducts: visualization at urography, Ohlson L, Radiology 1989; **170:** 33

opacification of collecting ducts at urography, Saxton HM, Radiology 1989; **170:** 16

renal papillary blushes and nonionic contrast agents, Whitehouse RW, Radiology 1989; **172:** 581

stages in the growth of uroradiology, Elkin M, Radiology 1990; **175:** 297

Kidney, radionuclide studies

abnormal captopril renal scintigraphy in a case of renal artery branch stenosis, Wells GA; Smith HS; Trepashko DW; et al, Clin Nucl Med 1990; **15:** 191

abnormal cortical appearances in pediatric renal allografts, Williams GD; Rossleigh M; Rosenberg AR; et al, J Nucl Med 1991; **32:** 1542

active bleeding after renal transplantation diagnosed by Tc-99m DTPA scanning, Park HM; Moran CC; Siddiqui AR, Clin Nucl Med 1990; **15:** 519

alterations of iodine-131 MIBG biodistribution in an anephric patient: comparison to normal and impaired renal function, Tobes MC; Fig LM; Carey J; et al, J Nucl Med 1989; **30:** 1476

antenatal diagnosis of pelvic hydronephrosis: assessment of renal function and drainage as a guide to management, Gordon I; Dhillon HK; Gatanash H; et al, J Nucl Med 1991; **32:** 1649

assessment of renal allograft pathology by scintigraphic and ultrasound index-markers, George EA; Salimi Z; Wolverson MK; et al, Clin Nucl Med 1991; **16:** 394

caliceal outpouching: diagnosis by technetium-99m DTPA and DMSA renal scintigraphy, Brassard A; Danais S; Lavigne JF; et al, Clin Nucl Med 1989; **14:** 456

Captopril renal scintigraphy in a patient with bilateral renal artery stenosis, Itoh K; Shinohara M; Togashi M; et al, J Nucl Med 1989; **30:** 2042

clinical comparison of I-131 orthoiodohippurate and the kit formulation of Tc-99m mercaptoacetyltriglycine, Taylor A Jr; Ziffer JA; Steves A; Eshima D; Delaney VB; Welchel JD, Radiology 1989; **170:** 721

comparative study of renal scintigraphy and clearance with technetium-99m-MAG_3 and iodine-123-hippurate in patients with renal disorders, Müller-Suur R; Bois-Svensson I; Mesko L, J Nucl Med 1990; **31:** 1811

comparison of methods for calculating glomerular filtration rate: technetium-99m-DTPA scintigraphic analysis, protein-free and whole-plasma clearance of technetium-99m-DTPA and iodine-125-iothalamate clearance, Goates JJ; Morton KA; Whooten WW; et al, J Nucl Med 1990; **31:** 424

comparison of scintigraphic renal differentials using radiolabeled orthoiodohippurate and glucoheptonate, Jacobson AF; Matsuoka DT; Ferency GF; et al, Clin Nucl Med 1991; **16:** 389

comparison of Tc-99m MAG_3 and Tc-99m DTPA in renal transplant patients with impaired renal function, Taylor A Jr; Ziffer JA; Eshima D, Clin Nucl Med 1990; **15:** 371

comparison of $^{99}Tc^{m}$ dimercaptosuccinic acid scans and intravenous urography in children, Whitear P; Shaw P; Gordon I, Br J Radiol 1990; **63:** 438

cost-effectiveness of nuclear medicine procedures in renovascular hypertension, Blaufox MD, Semin Nucl Med 1989; **19:** 116

detection of rejection in renal allografts: evaluation with duplex sonography and DTPA renal scintigraphy with kidney/aorta perfusion ratios, Don S; Kopecky KK; Tuli MM; et al, J Ultrasound Med 1990; **9:** 503

detection of tricuspid regurgitation by Tc-99m DTPA renal scintigraphy, Spiegler EJ; Ratliff C Jr; Gillilan R, Clin Nucl Med 1991; **16:** 92

diagnosis of acute pyelonephritis in children: comparison of sonography and ^{99m}Tc-DMSA scintigraphy, Björgvinsson E; Majd M; Eggli KD, AJR 1991; **157:** 539

diagnostic use of angiotensin converting enzyme (ACE)-inhibited renal scintigraphy in the identification of selective renal artery stenosis in the presence of multiple renal arteries: a case report, Morton KA; Rose SC; Haakenstad AO; et al, J Nucl Med 1990; **31:** 1847

diagnostic use of angiotensin converting enzyme inhibitors in radioisotope evaluation of unilateral renal artery stenosis, Hovinga TKK; de Jong PE; Piers DA; et al, J Nucl Med 1989; **30:** 605

differential diagnosis and management of renovascular hypertension through nuclear medicine techniques, Fine EJ; Sarkar S, Semin Nucl Med 1989; **19:** 101

diuresis renography: a simultaneous comparison between ^{131}I-hippuran and $^{99}Tc^{m}$-MAG_3, Hvid-Jacobsen K; Thomsen HS; Nielsen SL, Acta Radiol 1990; **31:** 83

dose-attenuation shield for use in glomerular filtration rate computations: a method for combined renal scintiangiography and functional quantification, Gates GF, Clin Nucl Med 1991; **16:** 73

effect of background correction on separate technetium-99m-DTPA renal clearance, Piepsz A; Dobbeleir A; Ham HR, J Nucl Med 1990; **31:** 430

estimation of glomerular filtration rate in infants and in children using a single-plasma sample method, Ham HR; Piepsz A, J Nucl Med 1991; **32:** 1294

estimation of technetium-99m-MAG_3 renal clearance in children: two gamma camera techniques compared with multiple plasma samples, Gordon I; Anderson PJ; Orton M; et al, J Nucl Med 1991; **32:** 1704

evaluation of hypertensive patients by means of captopril enhanced renal scintigraphy with technetium-99m DTPA, Dondi M; Franchi R; Levorato M; et al, J Nucl Med 1989; **30:** 615

extrarenal abnormalities seen in ^{99m}Tc DTPA renal flow study, Shih W-J; Pulmano C, Semin Nucl Med 1989; **19:** 69

flank incisional hernia noted on radionuclide dynamic/static images, Slavin JD Jr; Kassamali H; Spencer RP; et al, Clin Nucl Med 1989; **14:** 548

glomerular filtration and tubular secretion of MAG-3 in the rat kidney, Müller-Suur R; Müller-Suur C, J Nucl Med 1989; **30:** 1986

high resolution single photon emission computerized tomography (SPECT) ^{99m}technetium-dimercapto-succinic acid renal imaging: a state of the art technique, (ab), Tarkington MA; Fildes RD; Levin K; et al, Radiology 1991; **178:** 589

horseshoe kidney detected by abdominal scanning with Tc-99m labeled red blood cells, Morita S; Ishibashi M; Yoshii T; et al, Clin Nucl Med 1991; **16:** 194

identification of functioning tissue in horseshoe kidney using SPECT, Theyer G; Lentle BC; Sullivan LD, Clin Nucl Med 1989; **14:** 917

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

inaccuracies in quantitative radionuclide renal imaging due to patient position or diverging collimation, Murphy PH; Moore WH; Fennesy DR; et al, Clin Nucl Med 1991; **16:** 399

incidental finding of crossed renal ectopia diagnosed on bone scan, Wulfeck DW; Smith HS; Silberstein EB, Clin Nucl Med 1991; **16:** 441

interventions in renal scintirenography, Fine EJ, Semin Nucl Med 1991; **21:** 116

intraperitoneal urine leak following renal transplant: the role of radionuclide imaging, Alavi A; Grossman R; Siegel A; et al, J Nucl Med 1990; **31:** 1206

investigation of renovascular hypertension with ^{99m}TC-DTPA dynamic renal scanning and digital subtraction angiography, Stavraka-Kakavakis A; Vlontzou E; Apostolopoulos D; et al, Eur J Radiol 1989; **9:** 231

in vivo glomerular filtration rate measurement based solely on image processing, Cerino M; Lette J; Evbalin M-C; et al, Clin Nucl Med 1991; **16:** 79

kidney: imaging with Tc-99m mercaptoacetyltriglycine, a technetium-labeled analog of iodohippurate, Russell CD; Thorstad BL; Stutzman ME; Yester MV; Fowler D; Dubovsky EV, Radiology 1989; **172:** 427

kit preparation of technetium-99m-mercaptoacetyltriglycine: analysis, biodistribution and comparison with technetium-99m-DTPA in patients with impaired renal function, Bannister KM; Penglis S; Bellen JC; et al, J Nucl Med 1990; **31:** 1568

low-dose captopril scintigraphy in the evaluation of renovascular hypertension, Ramirez G; Savader S; Farber S; et al, Clin Nucl Med 1990; **15:** 480

lymphocele: the spectrum of scintigraphic findings in lymphoceles associated with renal transplant, Fortenbery EJ; Blue PW; Van Nostrand D; et al, J Nucl Med 1990; **31:** 1627

measurement of renal function with radionuclides, Russell CD; Dubovsky EV, J Nucl Med 1989; **30:** 2053

measurement of skin-to-kidney distance in children: implications for quantitative renography, Maneval DC; Magill HL; Cypess AM; et al, J Nucl Med 1990; **31:** 287

methods for measuring GFR with technetium-99m-DTPA: an analysis of several common methods, Mulligan JS; Blue PW; Hasbargen JA, J Nucl Med 1990; **31:** 1211

mischief of free Tc-99m in DTPA renal study, Mochizuki T; Fabiszewski NW; Shah AN; et al, Clin Nucl Med 1991; **16:** 455

"missing" one kidney, Lin DS, Semin Nucl Med 1991; **21:** 167

multiple foci of increased accumulation of Ga-67 citrate in a horseshoe kidney: differentiation of infection from nephroblastomatosis, Glass T; Heyman S, Clin Nucl Med 1991; **16:** 84

nonosseous accumulation of bone-seeking radiopharmaceuticals, Gentili A; Miron SD; Bellon EM, Radiographics 1990; **10:** 871

nuclear scintigraphy in the evaluation of renal colic, Brown RKJ; Vahn DK; Walters BL; et al, Clin Nucl Med 1990; **15:** 11

obstructive uropathy and ectopic ureterocele on renal imaging, Makhija M; Stein I; Fleisher M, Clin Nucl Med 1990; **15:** 654

optimal use of ^{99m}technetium-glucoheptonate scintigraphy in the detection of pyelonephritic scarring in children: a preliminary report, (ab), Shapiro E; Slovis TL; Perlmutter AD; et al, Radiology 1989; **172:** 591

patients at high risk for renal artery stenosis: a simple method of renal scintigraphic analysis with Tc-99m DTPA and captopril, Chen CC; Hoffer PB; Vahjen G; Gottschalk A; Koster K; Zubal IG; Setaro JF; Roer DA; Black HR, Radiology 1990; **176:** 365

phantom kidney on renal scintigraphy, Chu DDM; Belzberg AS, Clin Nucl Med 1991; **16:** 62

procedures of choice in renal nuclear medicine, Blaufox MD, J Nucl Med 1991; **32:** 1301

quantitation of renal uptake of technetium-99m DMSA using SPECT, Groshar D; Frankel A; Iosilevsky G; et al, J Nucl Med 1989; **30:** 246

quantitative evaluation of renal excretion on the dynamic DTPA renal scan, Kubota K; Atkins HL; Anaise D; et al, Clin Nucl Med 1989; **14:** 8

radionuclide renography in renovascular hypertension and double renal arteries, Lette J; Cerino M; Boucher A; et al, Clin Nucl Med 1991; **16:** 185

radioscintigraphic demonstration of unsuspected urine extravasation, Bocchini T; Williams W; Patton D, Clin Nucl Med 1989; **14:** 421

renal accumulation of technetium-99m sulfur colloid, Hiltz A; Iles S, Clin Nucl Med 1989; **14:** 118

renal function and technetium-99m-dimercaptosuccinic acid uptake in single kidneys: the value of in vivo SPECT quantitation, Groshar D; Embon OM; Frenkel A; et al, J Nucl Med 1991; **32:** 766

renal handling of technetium-99m DMSA: evidence for glomerular filtration and peritubular uptake, de Lange MJ; Piers DA; Kosterink JGW; et al, J Nucl Med 1989; **30:** 1219

renal imaging findings in renal vein thrombosis: a note of caution, Petronis J, Clin Nucl Med 1990; **14:** 654

renal scintigraphy in renovascular hypertension secondary to stenosis of a supplemental renal artery, Simon T; Cuocolo A; Sandrock D; et al, J Nucl Med 1990; **31:** 674

renal transplant evaluation—another potential pitfall, Galbraith P; Gordon L, Clin Nucl Med 1989; **14:** 214

renal uptake of Tc-99m sulfur colloid in disseminated intravascular coagulation, Dey HM; Spencer RP; Rosenberg RJ; et al, Clin Nucl Med 1990; **15:** 742

scintigraphic evaluation of renal function after extracorporeal shock-wave lithotripsy, Dumont M; Marchand L; Laroche B; et al, J Canad Assoc Radiol 1990; **41:** 138

scintigraphic findings in transplanted crossed fused renal ectopia, Ryan PJ; Clarke SEM, Clin Nucl Med 1991; **16:** 601

scintigraphic pattern of renal angiomyolipoma, Jaikishen P; Oster ZH; Atkins HL, Clin Nucl Med 1990; **15:** 183

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; **174:** 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; **174:** 896

simplified methods for renal clearance in children: scaling for patient size, Russell CD; Dubovsky EV; Scott JW, J Nucl Med 1991; **32:** 1821

single-dose subcutaneous iodine-131-iodohippurate for determination of renal plasma flow, Grant ME; Herron KG; MacDougall ML; et al, J Nucl Med 1991; **32:** 1452

spinal compression fractures demonstrated on renal scan, Kilkenny TE; Strauss EB; Rhodes C, Clin Nucl Med 1990; **15:** 205

splenic exclusion for renal flow studies, Long TD; Berens S, Clin Nucl Med 1991; **16:** 192

spontaneous return of renal flow and function on technetium-99m scan in a patient with renal artery thrombosis following angioplasty, Campbell DR; Iles SE, J Canad Assoc Radiol 1990; **41:** 389

spontaneous urinary extravasation during a diuretic radionuclide renal study: report of two cases, Tribble KA; Wilkinson RH Jr; Beytas EM, Clin Nucl Med 1990; **15:** 379

"superscan" appearance in distal renal tubular acidosis, Ohashi K; Smith HS; Jacobs MP, Clin Nucl Med 1991; **16:** 318

^{99m}Tc dimercaptosuccinic acid (DMSA) scan in patients with established radiological renal scarring, (ab), Smellie JM; Shaw PJ; Prescod NP; et al, Radiology 1989; **172:** 292

^{99m}Tc renal tubular function agents: current status, Eshima D; Fritzberg AR; Taylor A Jr, Semin Nucl Med 1990; **20:** 28

technetium-99m DTPA renal transplant imaging in the diagnosis of urinoma, Padhy AK; Gopinath PG; Mehta SN; et al, Clin Nucl Med 1989; **14:** 769

technetium-99m-MAG_3 clearance as a parameter of effective renal plasma flow in patients with proteinuria and lowered serum albumin levels, Kengen RA; Meijer S; Beekhuis H; et al, J Nucl Med 1991; **32:** 1709

technetium-99m MAG-3 clearances after captopril in experimental renovascular hypertension, Lee H-B; Blaufox MD, J Nucl Med 1989; **30:** 666

temporal behavior of peripheral organ distribution volume in mammillary systems. II. application to background correction in separate glomerular filtration rate estimation in man, Decostre PL; Salmon Y, J Nucl Med 1990; **31:** 1710

two-compartment, two-sample technique for accurate estimation of effective renal plasma flow: theoretical development and comparison with other methods, Lear JL; Feyerabend AJ; Gregory C, Radiology 1989; **172:** 431

unusual cause of 'obstructed' appearance on diuretic Tc-99m DTPA renal scan, Juravsky M; Powe JE; Driedger AA, Clin Nucl Med 1990; **15:** 41

unusual Tc-99m MDP and I-123 MIBG images in focal pyelonephritis, Jacobs A; Lenoir P; Delree M; et al, Clin Nucl Med 1990; **15:** 821

use of technetium-99m-MAG_3 for renal scintigraphy after angiotensin-converting enzyme inhibition, Dondi M; Monetti N; Fanti S; et al, J Nucl Med 1991; **32:** 424

utility of gallium imaging of the kidneys in diagnosing primary amyloid nephrotic syndrome, Gertz MA; Brown ML; Hauser MF; et al, J Nucl Med 1990; **31:** 292

vascular compression of the superior infundibulum causing calyceal obstruction: scintigraphic findings, Larcos G; Gruenewald SM; Antico VF, Clin Nucl Med 1990; **15:** 545

visualization of lumbar spine and sacral area by dynamic renal scan, Banzo J; Prats E; Abós MD; et al, Clin Nucl Med 1990; **15:** 660

Kidney, size

interobserver and intraobserver variations in sonographic renal length measurements in children, Schlesinger AE; Hernandez RJ; Zerin JM; et al, AJR 1991; **156:** 1029

normal length of fetal kidneys: sonographic study in 397 obstetric patients, Cohen HL; Cooper J; Eisenberg P; et al, AJR 1991; **157:** 545

Kidney, stenosis or obstruction

acute renal failure: possible role of duplex Doppler US in distinction between acute prerenal failure and acute tubular necrosis, Platt JF; Rubin JM; Ellis JH, Radiology 1991; **179:** 419

anastomosed ureters: fluoroscopically guided transconduit retrograde catheterization, Banner MP; Amendola MA; Pollack HM, Radiology 1989; **170:** 45

antibiotics and nephrostomy tube care: preliminary observations. part I. bacteriuria, Cronan JJ; Marcello A; Horn DL; Robinson A; Dorfman GS; Opal S, Radiology 1989; **172:** 1041

coexistent autosomal recessive polycystic kidney disease and UPJ obstruction: prenatal sonographic findings, Brown DL; Emerson DS; Chesney T; et al, J Ultrasound Med 1991; **10:** 475

CT nephrogram in acute obstructive uropathy, Samin A; Becker JA, Urol Radiol 1991; **12:** 178

distinction between obstructive and nonobstructive pyelocaliectasis with duplex Doppler sonography, Platt JF; Rubin JM; Ellis JH, AJR 1989; **153:** 997

duplex Doppler US of the kidney: differentiation of obstructive from nonobstructive dilatation, Platt JF; Rubin JM; Ellis JH; DiPietro MA, Radiology 1989; **171:** 515

endopyelotomy: long-term follow-up of 143 patients, (ab), Kuenkel M; Korth K, JVIR 1991; **2:** 300

intermittent hydronephrosis as a cause of a false-negative pressure-flow study, Horstman WG; Darcy MD, Cardiovasc Intervent Radiol 1991; **14:** 185

nuclear scintigraphy in the evaluation of renal colic, Brown RKJ; Vahn DK; Walters BL; et al, Clin Nucl Med 1990; **15:** 11

obstruction and the minimally dilated renal collecting system: US evaluation, Kamholtz RG; Cronan JJ; Dorfman GS, Radiology 1989; **170:** 51

obstructive nephropathy: evaluation with dynamic Gd-DTPA–enhanced MR imaging, Semelka RC; Hricak H; Tomei E; Floth A; Stoller M, Radiology 1990; **175:** 797

percutaneous nephrostomy tube placement: an outpatient procedure?, Cochran ST; Barbaric ZL; Lee JJ; Kashfian P, Radiology 1991; **179:** 843

renal transplant pyelocaliectasis: role of duplex Doppler US in evaluation, Platt JF; Ellis JH; Rubin JM, Radiology 1991; **179:** 425

ultrasound finding of peripelvic urine extravasation in ureteropelvic junction obstruction, Genes DM; Vachon L, Pediatr Radiol 1989; **20:** 122

ultrasound in suspected obstruction complicating renal transplantation, Straiton JA; McMillan MA; Morley P, Br J Radiol 1989; **62:** 803

vascular compression of the superior infundibulum causing calyceal obstruction: scintigraphic findings, Larcos G; Gruenewald SM; Antico VF, Clin Nucl Med 1990; **15:** 545

volume related configurational changes in the aetiology of pelvi-ureteric junction obstruction, De Campo J; Fowler R, Australas Radiol 1989; **33:** 60

Kidney, stone extraction

percutaneous infundibuloplasty: management of calyceal diverticula and infundibular stenosis, Lang EK, Radiology 1991; **181:** 871

radiation dose to patients and personnel during fluoroscopy at percutaneous renal stone extraction, Geterud K; Larsson A; Mattsson S, Acta Radiol 1989; **30:** 201

Kidney, surgery

nephrectomy *in situ*: treatment of ureteral fistula due to progressive malignancy, Ebisuno S; Aoshi H; Ohkawa T, Urol Radiol 1989; **11:** 102

sonographic pseudokidney after nephrectomy, Bhat S; Neff C; Fisher M; et al, Urol Radiol 1990; **12:** 94

Kidney, transplantation

abnormal cortical appearances in pediatric renal allografts, Williams GD; Rossleigh M; Rosenberg AR; et al, J Nucl Med 1991; **32:** 1542

active bleeding after renal transplantation diagnosed by Tc-99m DTPA scanning, Park HM; Moran CC; Siddiqui AR, Clin Nucl Med 1990; **15:** 519

acute colonic ileus (pseudo-obstruction) in renal transplant recipients, (ab), Stratta RJ; Starling JR; D'Alessandro AM; et al, Radiology 1989; **171:** 585

acute renal vein thrombosis in renal allografts: detection with duplex Doppler US, Reuther G; Wanjura D; Bauer H, Radiology 1989; **170:** 557

acute renal vein thrombosis in renal allografts: new Doppler ultrasonic findings, Baxter GM; Morley P; Dall B, Clin Radiol 1991; **43:** 125

angioplasty of renal transplant artery stenosis in children, Barth MO; Gagnadoux MF; Mareschal JL; et al, Pediatr Radiol 1989; **19:** 383

anti-platelet monoclonal antibody P256 in the diagnosis of renal transplant rejection, De Kaski MC; Keane PF; Stuttle AWJ; et al, Clin Nucl Med 1991; **16:** 583

apparent avascular necrosis of the hip: appearance and spontaneous resolution of MR findings in renal allograft recipients, Kopecky KK; Braunstein EM; Brandt KD; Filo RS; Leapman SB; Capello WN; Klatte EC, Radiology 1991; **179:** 523

arteriovenous fistulas complicating biopsy of renal allografts: treatment of bleeding with superselective embolization, deSouza NM; Reidy JF; Koffman CG, AJR 1991; **156:** 507

assessment of renal allograft pathology by scintigraphic and ultrasound index-markers, George EA; Salimi Z; Wolverson MK; et al, Clin Nucl Med 1991; **16:** 394

clinical and radiologic features of malignant neoplasms in organ transplant recipients: cyclosporine-treated vs untreated patients, Honda H; Barloon TJ; Franken EA Jr; et al, AJR 1990; **154:** 271

colonic diverticulitis in young patients with chronic renal failure and transplantation, Abramson SJ; Berdon WE; Laffey K; et al, Pediatr Radiol 1991; **21:** 352

combined Doppler and morphologic sonographic evaluation of renal transplant rejection, Townsend RR; Tomlanovich SJ; Goldstein RB; et al, J Ultrasound Med 1990; **9:** 199

comparison of Tc-99m MAG_3 and Tc-99m DTPA in renal transplant patients with impaired renal function, Taylor A Jr; Ziffer JA; Eshima D, Clin Nucl Med 1990; **15:** 371

detection of rejection in renal allografts: evaluation with duplex sonography and DTPA renal scintigraphy with kidney/aorta perfusion ratios, Don S; Kopecky KK; Tuli MM; et al, J Ultrasound Med 1990; **9:** 503

detection of vascular complications in renal allografts with color Doppler flow imaging, Grenier N; Douws C; Morel D; Ferriére J-M; Le Guillou M; Potaux L; Broussin J, Radiology 1991; **178:** 217

diagnosis of allograft renal vein thrombosis, Delbeke D; Sacks GA; Sandler MP, Clin Nucl Med 1989; **14:** 415

diagnostic value of resistive index of renal transplants in the early postoperative period, Saarinen O, Acta Radiol 1991; **32:** 166

donor-specific rejection, Mehta RC; Wilson MA; Perlman SB, Clin Nucl Med 1989; **14:** 68

Doppler evaluation of renal transplants in children: a prospective analysis with histopathologic correlation, Drake DG; Day DL; Letourneau JG; et al, AJR 1990; **154:** 785

duplex Doppler sonography for renal artery stenosis in the post-transplant pediatric patient, Stringer DA; O'Halpin D; Daneman A; et al, Pediatr Radiol 1989; **19:** 187

duplex Doppler sonography in renal allografts: the significance of reversed flow in diastole, Kaveggia LP; Perrella RR; Grant EG; et al, AJR 1990; **155:** 295

duplex Doppler sonography of renal transplants: correlation with histopathology, Fleischer AC; Hinton AA; Glick AD; et al, J Ultrasound Med 1989; **8:** 89

duplex Doppler sonography of renal transplants: lack of sensitivity and specificity in establishing pathologic diagnosis, Genkins SM; Sanfilippo FP; Carroll BA, AJR 1989; **152:** 535

duplex Doppler ultrasound in the diagnosis of acute renal allograft rejection, Wan SKH; Ferguson CJ; Cochlin DL; et al, Clin Radiol 1989; **40:** 573

duplex Doppler US of renal allografts: causes of elevated resistive index, Don S; Kopecky KK; Filo RS; Leapman SB; Thomalla JV; Jones JA; Klatte EC, Radiology 1989; **171:** 709

duplex sonography of normal renal allografts, Schwaighofer BW; Kainberger F; Fruehwald FXJ; et al, Acta Radiol 1989; **30:** 53

effect of heart rate on Doppler measurements of resistive index in renal arteries, Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D, Radiology 1990; **175:** 511

effects of contrast media on renal graft function and survival after cerebral angiography of cadaveric donors, Hietala S-O; Segerstedt B; Wirell S; et al, Acta Radiol 1989; **30:** 317

evaluation of arteriovenous fistulas and pseudoaneurysms in renal allografts following percutaneous needle biopsy: color-coded Doppler sonography versus duplex Doppler sonography, Hübsch PJS; Mostbeck G; Barton PP; et al, J Ultrasound Med 1990; **9:** 95

gastrointestinal carcinomas in renal transplant recipients, Feczko PJ; Mezwa DG, Gastrointest Radiol 1991; **16:** 351

hepatic lymphoma in cyclosporine-treated transplant recipients: sonographic and CT findings, Honda H; Franken EA Jr; Barloon TJ; et al, AJR 1989; **152:** 501

identification of an intimal flap with image-directed Doppler ultrasonography following renal transplantation, Serena TE; Gifford RRM; Neumyer MM; et al, JCU 1991; **19:** 105

iliac artery stenosis causing renal allograft-mediated hypertension: angiographic diagnosis and treatment, Weigele JB, AJR 1991; **157:** 513

imaging of vascular complications associated with renal transplants, Dodd GD III; Tublin ME; Shah A; et al, AJR 1991; **157:** 449

intraperitoneal urine leak following renal transplant: the role of radionuclide imaging, Alavi A; Grossman R; Siegel A; et al, J Nucl Med 1990; **31:** 1206

lymphocele: the spectrum of scintigraphic findings in lymphoceles associated with renal transplant, Fortenbery EJ; Blue PW; Van Nostrand D; et al, J Nucl Med 1990; **31:** 1627

lymphoma presenting as allograft hematoma in a renal transplant recipient, Olcott EW; Goldstein RB; Salvatierra O, J Ultrasound Med 1990; **9:** 239

magnetic resonance imaging of the transplanted kidney: correlation to function and histopathology, Jennerholm S; Backman U; Bohman S-O; et al, Acta Radiol 1990; **31:** 499

MR imaging of renal transplant rejection, Hanna S; Helenon O; Legendre C; et al, Acta Radiol 1991; **32:** 42

MRI of hepatic iron deposition in patients with renal transplant, Miller FH; Fisher MR; Soper W; et al, Gastrointest Radiol 1991; **16:** 229

mucinous cystadenoma simulating renal transplant lymphocele, Kliewer MA; Woodruff WW III; Bowie JD, JCU 1989; **17:** 119

needle biopsy of renal allografts: comparison of two techniques, Bogan ML; Kopecky KK; Kraft JL; Holladay AO; Filo RS; Leapman SB; Thomalla JV, Radiology 1990; **174:** 273

pancreatic transplant rejection: assessment with duplex US, Patel B; Wolverson MK; Mahanta B, Radiology 1989; **173:** 131

papillary necrosis causing hydronephrosis in the renal allograft: sonographic findings, Shapeero LG; Vordermark JS, J Ultrasound Med 1989; **8:** 581

percapsular and percutaneous embolization of renal transplant pseudoaneurysm and AV fistula: case report, Sennett CA; Messersmith RN; Yousefzadeh DK; et al, Cardiovasc Intervent Radiol 1989; **12:** 270

percutaneous stone and stent removal from renal transplants, Gedroyc WMW; MacIver D; Joyce MRL; et al, Clin Radiol 1989; **40:** 174

percutaneous treatment of urine leaks in renal transplantation patients, Matalon TAS; Thompson MJ; Patel SK; Ramos MV; Jensik SC; Merkel FK, Radiology 1990; **174:** 1049

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; **171:** 253

pulsed and continuous Doppler evaluation of renal dysfunction after kidney transplantation, Alvarez G; Gonzalez-Molina M; Cabello M; et al, Eur J Radiol 1991; **12:** 108

pyramidal appearance and resistive index: insensitive and nonspecific sonographic indicators of renal transplant rejection, Kelcz F; Pozniak MA; Pirsch JD; et al, AJR 1990; **155:** 531

quantitative assessment of blood flow in pediatric recipients of renal transplants, Ash J; DeSouza M; Peters M; et al, J Nucl Med 1990; **31:** 580

randomized study of the efficacy of adjuvant local graft irradiation following renal transplantation, Torrisi JR; Dritschilo A; Harter KW; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1027

reflex sympathetic dystrophy syndrome of the lower limbs in renal transplant patients treated with cyclosporin A, (ab), Muñoz-Gomez J; Collado A; Gratacós J; et al, Radiology 1991; **181:** 912

renal transplant evaluation—another potential pitfall, Galbraith P; Gordon L, Clin Nucl Med 1989; **14:** 214

renal transplant pyelocaliectasis: role of duplex Doppler US in evaluation, Platt JF; Ellis JH; Rubin JM, Radiology 1991; **179:** 425

renal transplant rejection: diagnosis with ^{31}P MR spectroscopy, Grist TM; Charles HC; Sostman HD, AJR 1991; **156:** 105

renal transplant rejection: limited value of duplex Doppler sonography, Perchik JE; Baumgartner BR; Bernardino ME, Invest Radiol 1991; **26:** 422

renal transplants: can acute rejection and acute tubular necrosis be differentiated with MR imaging?, Liou JTS; Lee JKT; Heiken JP; Totty WG; Molina PL; Fiye WM, Radiology 1991; **179:** 61

renal transplant ultrasound: imaging and Doppler, Pozniak MA; Kelcz F; Dodd GD III, Semin US CT MR 1991; **12:** 319

renal transport vein stenosis: demonstration and percutaneous venoplasty of a new vascular complication in the transplant kidney, Olliff S; Negus R; Deane C; et al, Clin Radiol 1991; **43:** 42

role of radiology in evaluation of the failing renal transplantation, Becker JA, Radiol Clin North Am 1991; **29:** 511

scintigraphic findings in transplanted crossed fused renal ectopia, Ryan PJ; Clarke SEM, Clin Nucl Med 1991; **16:** 601

segmental infarction of the renal allograft: ultrasound/MRI observations, Becker JA; Butt K; Lipkowitz G, Urol Radiol 1989; **11:** 109

sonographic "white line sign" for detection of minimal mucosal thickening in renal transplants, (ab), Cunningham JJ; Bacani-Faulls M, Radiology 1990; **177:** 596

sonography of complications in pediatric renal allografts, Surratt JT; Siegel MJ; Middleton WD, Radiographics 1990; **10:** 687

technetium-99m DTPA renal transplant imaging in the diagnosis of urinoma, Padhy AK; Gopinath PG; Mehta SN; et al, Clin Nucl Med 1989; **14:** 769

total hip replacement in the renal transplant recipient, (ab), Radford PJ; Doran A; Greatorex RA; et al, Radiology 1989; **173:** 886

transplanted infections: donor-to-host transmission with the allograft, (ab), Gottesdiener KM, Radiology 1990; **176:** 888

transplant renal artery stenosis: evaluation with duplex sonography, Snider JF; Hunter DW; Moradian GP; Castaneda-Zuniga WR; Letourneau JG, Radiology 1989; **172:** 1027

two-compartment, two-sample technique for accurate estimation of effective renal plasma flow: theoretical development and comparison with other methods, Lear JL; Feyerabend AJ; Gregory C, Radiology 1989; **172:** 431

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 336

ultrasound case of the day, Warren LP Jr; Kliewer MA; Carroll BA, Radiographics 1991; **11:** 713

ultrasound in suspected obstruction complicating renal transplantation, Straiton JA; McMillan MA; Morley P, Br J Radiol 1989; **62:** 803

use of a reperfusion catheter after angioplasty dissection for salvage of ischemic renal allograft: case report, Kim D; Porter DH; Siegel JB; et al, Cardiovasc Intervent Radiol 1991; **14:** 179

use of Doppler imaging for evaluation of dysfunction in renal allografts, Taylor KJW; Marks WH, AJR 1990; **155:** 536

wishing won't make it so: duplex Doppler sonography in the evaluation of renal transplant dysfunction, Grant EG; Perrella RR, AJR 1990; **155:** 538

Kidney, US

acquired cystic disease of the kidney: ultrasound as the primary screening procedure, Manns RA; Burrows FGO; Adu D; et al, Clin Radiol 1990; **41:** 248

acute renal failure: possible role of duplex Doppler US in distinction between acute prerenal failure and acute tubular necrosis, Platt JF; Rubin JM; Ellis JH, Radiology 1991; **179:** 419

acute renal vein thrombosis in renal allografts: detection with duplex Doppler US, Reuther G; Wanjura D; Bauer H, Radiology 1989; **170:** 557

assessment of renal allograft pathology by scintigraphic and ultrasound index-markers, George EA; Salimi Z; Wolverson MK; et al, Clin Nucl Med 1991; **16:** 394

assessment of sonography in the diagnosis and management of neonatal renal candidiasis, Berman LH; Stringer DA; St. Onge O; et al, Clin Radiol 1989; **40:** 577

bacterial renal infection: role of CT, Soulen MC; Fishman EK; Goldman SM; Gatewood OMB, Radiology 1989; **171:** 703

bacterial renal infection: role of CT, Jeffrey RB Jr, Radiology 1989; **173:** 574

bacterial renal infection: role of CT, Gold RP; McClennan BL, Radiology 1990; **174:** 283

bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 575

bacterial renal infection: role of CT: reply, Soulen MC; Fishman EK; Goldman SM, Radiology 1990; **174:** 284

circumferential perirenal urinoma mimicking nephromegaly on urography, Tien R; Shirkhoda A; David R, Urol Radiol 1989; **11:** 92

combined Doppler and morphologic sonographic evaluation of renal transplant rejection, Townsend RR; Tomlanovich SJ; Goldstein RB; et al, J Ultrasound Med 1990; **9:** 199

current status of imaging indeterminate renal masses, Hartman DS; Aronson S; Frazer H, Radiol Clin North Am 1991; **29:** 475

densitometric measurement of renal echogenicity in infants and naked eye evaluation: a comparison, Eggert P; Debus F; Kreller-Laugwitz G; et al, Pediatr Radiol 1991; **21:** 111

detection of rejection in renal allografts: evaluation with duplex sonography and DTPA renal scintigraphy with kidney/aorta perfusion ratios, Don S; Kopecky KK; Tuli MM; et al, J Ultrasound Med 1990; **9:** 503

diagnosis of acute pyelonephritis in children: comparison of sonography and ^{99m}Tc-DMSA scintigraphy, Björgvinsson E; Majd M; Eggli KD, AJR 1991; **157:** 539

diagnostic value of resistive index of renal transplants in the early postoperative period, Saarinen O, Acta Radiol 1991; **32:** 166

Doppler evaluation of renal transplants in children: a prospective analysis with histopathologic correlation, Drake DG; Day DL; Letourneau JG; et al, AJR 1990; **154:** 785

Doppler examination of the kidney in infants and children, Patriquin H, Urol Radiol 1991; **12:** 220

duplex Doppler sonography in renal allografts: the significance of reversed flow in diastole, Kaveggia LP; Perrella RR; Grant EG; et al, AJR 1990; **155:** 295

duplex Doppler sonography in renal parenchymal disease: histopathologic correlation, (ab), Mostbeck GH; Kain R; Mallek R; et al, JVIR 1991; **2:** 415

duplex Doppler sonography in renal parenchymal disease: histopathologic correlation, Mostbeck GH; Kain R; Mallek R; et al, J Ultrasound Med 1991; **10:** 189

duplex Doppler sonography of renal transplants: correlation with histopathology, Fleischer AC; Hinton AA; Glick AD; et al, J Ultrasound Med 1989; **8:** 89

duplex Doppler sonography of renal transplants: lack of sensitivity and specificity in establishing pathologic diagnosis, Genkins SM; Sanfilippo FP; Carroll BA, AJR 1989; **152:** 535

duplex Doppler ultrasound in the diagnosis of acute renal allograft rejection, Wan SKH; Ferguson CJ; Cochlin DL; et al, Clin Radiol 1989; **40:** 573

duplex Doppler US of renal allografts: causes of elevated resistive index, Don S; Kopecky KK; Filo RS; Leapman SB; Thomalla JV; Jones JA; Klatte EC, Radiology 1989; **171:** 709

duplex Doppler US of the kidney: differentiation of obstructive from nonobstructive dilatation, Platt JF; Rubin JM; Ellis JH; DiPietro MA, Radiology 1989; **171:** 515

duplex sonography of normal renal allografts, Schwaighofer BW; Kainberger F; Fruehwald FXJ; et al, Acta Radiol 1989; **30:** 53

duplex ultrasound evaluation of normal native kidneys and native kidneys with urinary tract obstruction, Gottlieb RH; Luhmann K IV; Oates RP, J Ultrasound Med 1989; **8:** 609

echobright kidney in primary polycythaemia, Wagner U; Ponhold W; Waldhauser F; et al, Pediatr Radiol 1989; **19:** 440

echogenic renal pyramids in children, Jequier S; Kaplan BS, JCU 1991; **19:** 85

echogenic rings—an ultrasound sign of early nephrocalcinosis, Al-Murrani B; Cosgrove DO; Svensson WE; et al, Clin Radiol 1991; **44:** 49

effect of heart rate on Doppler measurements of resistive index in renal arteries, Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D, Radiology 1990; **175:** 511

evaluation of arteriovenous fistulas and pseudoaneurysms in renal allografts following percutaneous needle biopsy: color-coded Doppler sonography versus duplex Doppler sonography, Hübsch PJS; Mostbeck G; Barton PP; et al, J Ultrasound Med 1990; **9:** 95

examination of native kidneys with duplex Doppler ultrasound, Platt JF; Ellis JH; Rubin JM, Semin US CT MR 1991; **12:** 308

genitourinary radiology. RSNA '90 meeting notes, Dunnick NR; Bush WH; Choyke PL; Fernbach SK; Hartman DS; Rifkin MD; Roubidoux MA; Sandler CM, Radiology 1991; **178:** 600

glomerulocystic renal disease: ultrasound appearances, Fredericks BJ; de Campo M; Chow CW; et al, Pediatr Radiol 1989; **19:** 184

grade I hydronephrosis: pulsed Doppler US evaluation, Scola FH; Cronan JJ; Schepps B, Radiology 1989; **171:** 519

hemolytic-uremic syndrome: intrarenal arterial Doppler patterns as a useful guide to therapy, Patriquin HB; O'Regan S; Robitaille P; Paltiel H, Radiology 1989; **172:** 625

hyperechogenic renal hypertrophy in glomerulosclerosis, Enriquez G; Lucaya J; Nieto J; et al, Pediatr Radiol 1989; **19:** 441

hyperechogenic "rings" in the periphery of renal medullary pyramids as a sign of renal disease, Päivänsalo MJ; Kallioinen MJ; Merikanto JS; et al, JCU 1991; **19:** 283

hyperechoic medulla of the kidneys, Toyoda K; Miyamoto Y; Ida M; Tada S; Utsunomiya M, Radiology 1989; **173:** 431

hyperechoic renal cortical masses: an unusual sonographic presentation of acute lymphoblastic leukemia in a child, Jayagopal S; Cohen HL; Bhagat J; et al, JCU 1991; **19:** 425

hyperechoic renal medullary pyramids in infants and children, Hernanz-Schulman M, Radiology 1991; **181:** 9

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

identification of an intimal flap with image-directed Doppler ultrasonography following renal transplantation, Serena TE; Gifford RRM; Neumyer MM; et al, JCU 1991; **19:** 105

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

increased renal medullary echogenicity in patients with Williams syndrome, Cote G; Jequier S; Kaplan P, Pediatr Radiol 1989; **19:** 481

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Estroff JA; Mandell J; Benacerraf BR, Radiology 1991; **181:** 135

intrarenal arterial Doppler sonography in patients with nonobstructive renal disease: correlation of resistive index with biopsy findings, Platt JF; Ellis JH; Rubin JM; et al, AJR 1990; **154:** 1223

Laurence–Moon–Biedl syndrome: renal ultrasound appearances in the neonate, Garber SJ; de Bruyn R, Br J Radiol 1991; **64:** 631

nuclear cystography and renal sonography: findings in girls with urinary tract infection, Strife JL; Bisset GS III; Kirks DR; et al, AJR 1989; **153:** 115

observations on the use of Doppler ultrasound in multicystic dysplastic kidney, Hendry PJ; Hendry GMA, Pediatr Radiol 1991; **21:** 203

obstruction and the minimally dilated renal collecting system: US evaluation, Kamholtz RG; Cronan JJ; Dorfman GS, Radiology 1989; **170:** 51

optimal needle size for renal biopsy: in vitro and in vivo evaluation, Mostbeck GH; Wittich GR; Derfler K; Ulrich W; Walter RM; Herold C; Haller J; Tscholakoff D, Radiology 1989; **173:** 819

papillary necrosis causing hydronephrosis in the renal allograft: sonographic findings, Shapeero LG; Vordermark JS, J Ultrasound Med 1989; **8:** 581

positional variation in the ultrasound appearance of the renal pelvis, Fernbach SK; Bernfield JB, Pediatr Radiol 1990; **21:** 45

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; **171:** 253

pulsed and continuous Doppler evaluation of renal dysfunction after kidney transplantation, Alvarez G; Gonzalez-Molina M; Cabello M; et al, Eur J Radiol 1991; **12:** 108

pyonephrosis in childhood—is ultrasound sufficient for diagnosis?, Schneider K; Helmig F-J; Eife R; et al, Pediatr Radiol 1989; **19:** 302

pyramidal appearance and resistive index: insensitive and nonspecific sonographic indicators of renal transplant rejection, Kelcz F; Pozniak MA; Pirsch JD; et al, AJR 1990; **155:** 531

pyramidal hyperechogenicity in autosomal recessive polycystic kidney disease resembling medullary nephrocalcinosis, Herman TE; Siegel MJ, Pediatr Radiol 1991; **21:** 270

radiological anatomy of the kidney revisited, Dalla Palma L; Bazzocchi M; Cressa C; et al, Br J Radiol 1990; **63:** 680

renal artery stenosis: diagnosis with color duplex US, Healy DA; Neumyer MM, Radiology 1990; **176:** 877

renal artery stenosis: diagnosis with color duplex US: reply, Berland LL; Koslin DB, Radiology 1990; **176:** 878

renal artery stenosis: evaluation with color Doppler flow imaging, Desberg AL; Paushter DM; Lammert GK; Hale JC; Troy RB; Novick AC; Nally JV Jr; Weltevreden AM, Radiology 1990; **177:** 749

renal artery stenosis: prospective evaluation of diagnosis with color duplex US compared with angiography: work in progress, Berland LL; Koslin DB; Routh WD; Keller FS, Radiology 1990; **174:** 421

renal blood flow pattern by noninvasive Doppler ultrasound in normal children and acute renal failure patients, Wong SN; Lo RNS; Yu ECL, J Ultrasound Med 1989; **8:** 135

renal calculi after shock wave lithotripsy: US evaluation with an in vitro phantom, Choyke PL; Pahira JH; Davros WJ; Nilges E; Dwyer AJ; Mun SK, Radiology 1989; **170:** 39

renal Doppler sonography in infants and children, Keller MS, Radiology 1989; **172:** 603

renal duplex sonography: evaluation of clinical utility, (ab), Hansen KJ; Tribble RW; Reavis SW; et al, Radiology 1991; **178:** 897

renal duplication artifact in US imaging, Middleton WD; Melson GL, Radiology 1989; **173:** 427

renal imaging in long-term dialysis patients: a comparison of CT and sonography, Taylor AJ; Cohen EP; Erickson SJ; et al, AJR 1989; **153:** 765

renal matrix calculus: sonographic appearance, Zwirewich CV; Buckley AR; Kidney MR; et al, J Ultrasound Med 1990; **9:** 61

renal obstructive dysplasia: ultrasound diagnosis and therapeutic implications, Blane CE; Barr M; DiPietro MA; et al, Pediatr Radiol 1991; **21:** 274

renal sonography in long standing Lesch–Nyhan syndrome, Kenney IJ, Clin Radiol 1991; **43:** 39

renal transplant pyelocaliectasis: role of duplex Doppler US in evaluation, Platt JF; Ellis JH; Rubin JM, Radiology 1991; **179:** 425

renal transplant rejection: limited value of duplex Doppler sonography, Perchik JE; Baumgartner BR; Bernardino ME, Invest Radiol 1991; **26:** 422

renal transplant ultrasound: imaging and Doppler, Pozniak MA; Kelcz F; Dodd GD III, Semin US CT MR 1991; **12:** 319

renal ultrasound and excretory urography in infants and young children with urinary tract infection, Kenda R; Kenig T; Šilc M; et al, Pediatr Radiol 1989; **19:** 299

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; **174:** 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; **174:** 896

segmental infarction of the renal allograft: ultrasound/MRI observations, Becker JA; Butt K; Lipkowitz G, Urol Radiol 1989; **11:** 109

size of the renal pelvis on ultrasonography in children, Tsai T-C; Lee H-C; Huang F-Y, JCU 1989; **17:** 647

sonographic manifestations of medical renal disease, Huntington DK; Hill SC; Hill MC, Semin US CT MR 1991; **12:** 290

sonographic pseudokidney after nephrectomy, Bhat S; Neff C; Fisher M; et al, Urol Radiol 1990; **12:** 94

sonographic "white line sign" for detection of minimal mucosal thickening in renal transplants, (ab), Cunningham JJ; Bacani-Faulls M, Radiology 1990; **177:** 596

sonography of complications in pediatric renal allografts, Surratt JT; Siegel MJ; Middleton WD, Radiographics 1990; **10:** 687

sonography of the simple and complicated ipsilateral fused kidney, Lubat E; Hernanz-Schulman M; Genieser NB; et al, J Ultrasound Med 1989; **8:** 109

sonolucent cortical rim in infantile polycystic kidneys: histologic correlation, Currarino G; Stannard MW; Rutledge JC, J Ultrasound Med 1989; **8:** 571

spontaneous perinephric and subcapsular renal hemorrhage: evaluation with CT, US, and angiography, Belville JS; Morgentaler A; Loughlin KR; Tumeh SS, Radiology 1989; **172:** 733

test for kidney hemorrhage following exposure to intense, pulsed ultrasound, Carstensen EL; Hartman C; Child SZ; et al, Ultrasound Med Biol 1990; **16:** 681

ultrasonic characterization of selected renal tissues, Turnbull DH; Wilson SR; Hine AL; et al, Ultrasound Med Biol 1989; **15:** 241

ultrasonographic pattern of congenital nephrotic syndrome of Finnish type, Alkrinawi S; Gradus DB-E; Goldstein J, JCU 1989; **17:** 443

ultrasound and computed tomographic appearance of extramedullary hematopoiesis encasing the renal pelvis, Tuite MJ; Weiss SL, JCU 1991; **19:** 238

ultrasound assessment of renal cortical brightness in infants: is naked eye evaluation reliable?, Lamont AC; Graebe AC; Pelmore JM; et al, Invest Radiol 1990; **25:** 250

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 336

ultrasound case of the day, Warren LP Jr; Kliewer MA; Carroll BA, Radiographics 1991; **11:** 713

ultrasound diagnosis of early renal papillary necrosis, Braden GL; Kozinn DR; Hampf FE Jr; et al, J Ultrasound Med 1991; **10:** 401

ultrasound in suspected obstruction complicating renal transplantation, Straiton JA; McMillan MA; Morley P, Br J Radiol 1989; **62:** 803

use of Doppler imaging for evaluation of dysfunction in renal allografts, Taylor KJW; Marks WH, AJR 1990; **155:** 536

Von Hippel–Lindau disease: inadequacy of angiography for identification of renal cancers, Miller DL; Choyke PL; Walther MM; Doppman JL; Kragel PJ; Weiss GH; Linehan WM, Radiology 1991; **179:** 833

wishing won't make it so: duplex Doppler sonography in the evaluation of renal transplant dysfunction, Grant EG; Perrella RR, AJR 1990; **155:** 538

Kidney, varices

cross-sectional imaging of idiopathic solitary renal vein varix: report of two cases, Sussman SK; Jacobs JE; Glickstein MF; et al, Urol Radiol 1991; **13:** 98

pericaliceal varices due to the nutcracker phenomenon, Trambert JJ; Rabin AM; Weiss KL; et al, AJR 1990; **154:** 305

Kidney, volume

See also Kidney, size

quantitation of the in vivo kidney volume with cine computed tomography, Lerman LO; Bentley MD; Bell MR; et al, Invest Radiol 1990; **25:** 1206

Kidney neoplasms

15-year-old black girl with a left abdominal mass, Manfredi RA; Govoni AF; Sassoon J, Clin Imag 1991; **15:** 62

adult Wilms' tumor: role of combined modality treatment, Mehta MP; Langeland P; Bertelrud K, Acta Oncol 1989; **28:** 647

Beckwith–Wiedemann syndrome: development of nephroblastoma during the surveillance period, Azouz EM; Larson EJ; Patel J; et al, Pediatr Radiol 1990; **20:** 550

benign nodal lesions mimicking metastases from pediatric renal neoplasms: a report of the National Wilms' Tumor Study Pathology Center, (ab), Weeks DA; Beckwith JB; Mierau GW, Radiology 1991; **179:** 888

case report: congenital mesoblastic nephroma occurring in a solitary kidney, Nicholson DA; Gupta SC, Clin Radiol 1990; **41:** 211

case report: renal lymphoma in a patient with Waldenstrom's macroglobulinaemia, Clifton AG; Baily GG, Clin Radiol 1991; **43:** 285

chromophobe cell renal carcinoma and its variants: a report on 32 cases, (ab), Thoenes W; Störkel S; Rumpelt HJ; et al, Radiology 1989; **171:** 587

enlargement of regional lymph nodes in renal cell carcinoma is often not due to metastases, (ab), Studer UE; Scherz S; Scheidegger J; et al, Radiology 1991; **178:** 589

excretion of pseudouridine as an independent prognostic factor in renal cell carcinoma, Rasmuson T; Björk GR; Hietala S-O; et al, Acta Oncol 1991; **30:** 11

ifosfamide-induced renal tubular dysfunction and rickets in children with Wilms tumor, (ab), Burk CD; Restaino I; Kaplan BS; et al, Radiology 1991; **180:** 592

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

intratumoral fat in a renal oncocytoma mimicking angiomyolipoma, Curry NS; Schabel SI; Garvin AJ; et al, AJR 1990; **154:** 307

malignant rhabdoid tumor of the kidney: imaging features in two cases, Eftekhari F; Erly WK; Jaffe N, Pediatr Radiol 1990; **21:** 39

mesoblastic nephroma presenting as a haemorragic cyst, Christmann D; Becmeur F; Marcellin L; et al, Pediatr Radiol 1990; **20:** 553

multilocular cyst of the kidney (cystic nephroma) and cystic, partially differentiated nephroblastoma: terminology and criteria for diagnosis, (ab), Joshi VV; Beckwith JB, Radiology 1990; **174:** 899

neoplasia and acquired renal cystic disease in patients undergoing chronic ambulatory peritoneal dialysis, (ab), Trabucco AF; Johansson SL; Egan JD; et al, Radiology 1990; **176:** 884

observations on the growth of renal neoplasms, Birnbaum BA; Bosniak MA; Megibow AJ; Lubat E; Gordon RB, Radiology 1990; **176:** 695

osteosarcoma metastatic to the kidney, Lockhart SK; Coan JD; Jaffe N; et al, Clin Imag 1989; **13:** 154

prenatal diagnosis of nephroblastomatosis in two siblings, Ambrosino MM; Hernanz-Schulman M; Horii SC; et al, J Ultrasound Med 1990; **9:** 49

primary renal angiosarcoma mimicking a renal cell carcinoma, Desai MB; Chess Q; Naidich JB; et al, Urol Radiol 1989; **11:** 30

pulmonary emboli as a primary manifestation of Wilms tumor, Bulas DI; Thompson R; Reaman G, AJR 1991; **156:** 155

renal angiomyolipoma associated with lymph node involvement and renal cell carcinoma in patients with tuberous sclerosis, (ab), Taylor RS; Joseph DB; Kohaut EC; et al, Radiology 1989; **173:** 291

renal cell carcinoma extending into the renal pelvis simulating transitional cell carcinoma, Munechika H; Kushihashi T; Gokan T; et al, Urol Radiol 1990; **12:** 11

renal involvement in children with lymphoma: comparison of CT with sonography, Weinberger E; Rosenbaum DM; Pendergrass TW, AJR 1990; **155:** 347

renal lymphangiomyoma—a rare cause of a multiloculated renal mass, Jacobs JE; Sussman SK; Glickstein MF, AJR 1989; **152:** 307

renal masses: differential diagnosis with pulsed Doppler US, Kuijpers D; Jaspers R, Radiology 1989; **170:** 59

renal neoplasms in a family, Laurence VM; Robinson ACR, Br J Radiol 1989; **62:** 83

renal oncocytoma, Palmer WE; Chew FS, AJR 1991; **156:** 1144

renal oncocytoma: a phenotypic and genotypic entity of renal parenchymal tuors, (ab), Kovacs G; Welter C; Wilkens L; et al, Radiology 1989; **173:** 884

renal transitional cell carcinoma mimicking medullary sponge kidney, Choong MK; Phillips GWL, Br J Radiol 1991; **64:** 275

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

rhabdoid tumor of kidney: a report of 111 cases from the national Wilms' Tumor Study Pathology Center, (ab), Weeks DA; Beckwith JB; Mierau GW; et al, Radiology 1990; **174:** 592

rhabdoid tumor of the kidney presenting as an abdominal mass in a newborn, Chung CJ; Cammoun D; Munden M, Pediatr Radiol 1990; **20:** 562

squamous cell carcinoma of the uroepithelium: CT evaluation, Narumi Y; Sato T; Hori S; Kuriyama K; Fujita M; Kadowaki K; Inoue E; Maeshima S; Fujino Y; Saiki S; Kuroda M; Kotake T, Radiology 1989; **173:** 853

stages in the growth of uroradiology, Elkin M, Radiology 1990; **175:** 297

transesophageal echocardiography in renal cell carcinoma: an accurate diagnostic technique for intracaval neoplastic extension, (ab), Treiger BFG; Humphrey LS; Peterson CV Jr; et al, Radiology 1991; **181:** 911

transitional cell carcinoma of the pelvicalices and ureter, Leder RA; Dunnick NR, AJR 1990; **155:** 713

transitional cell carcinoma of the upper urinary tract, Zuckier LS; Kirschenbaum ER, Radiology 1989; **170:** 282

transitional cell carcinoma of the upper urinary tract: reply, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, Radiology 1989; **170:** 283

treatment results among adults with childhood tumors: a 20-year experience, Prestidge BR; Donaldson SS, Int J Radiat Oncol Biol Phys 1989; **17:** 507

vena caval involvement with renal tumors: surgical considerations, (ab), Tribble CG; Gerkin TM; Flanagan TL; et al, Radiology 1989; **170:** 587

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Wilms' and associated renal tumors of childhood, White KS; Grossman H, Pediatr Radiol 1991; **21:** 81

Wilms tumor (nephroblastoma) in the adult patient: clinical and radiologic manifestations, Kioumehr F; Cochran ST; Layfield L; et al, AJR 1989; **152:** 299

Kidney neoplasms, angiography

general case of the day, Laperrière J; Lafortune M, Radiographics 1990; **10:** 1105

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

renal masses: differential diagnosis with pulsed Doppler US, Kuijpers D; Jaspers R, Radiology 1989; **170:** 59

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

Von Hippel–Lindau disease: inadequacy of angiography for identification of renal cancers, Miller DL; Choyke PL; Walther MM; Doppman JL; Kragel PJ; Weiss GH; Linehan WM, Radiology 1991; **179:** 833

Kidney neoplasms, calcification

congenital ureteropelvic junction obstruction with calcified renal pelvis and superimposed spindle cell urothelial carcinoma, Gold PF; Saitas V, Pellman C, Urol Radiol 1990; **12:** 15

Kidney neoplasms, CT

clear cell sarcoma of the kidney: CT, sonographic, and pathologic correlation, Glass RBJ; Davidson AJ; Fernbach SK, Radiology 1991; **180:** 715

clinical and imaging features of rhabdoid tumor of the kidney, Jafri SZH; Freeman JL; Rosenberg BF; et al, Urol Radiol 1991; **13:** 94

computed tomography of primary renal osteosarcoma, Zagoria RJ; Dyer RB, JCAT 1991; **15:** 146

computed tomography of renal lymphoma, Cohan RH; Dunnick NR; Leder RA; et al, JCAT 1990; **14:** 933

CT features of renal cell carcinoma with emphasis on relation to tumor size, Zagoria RJ; Wolfman NT; Karstaedt N; et al, Invest Radiol 1990; **25:** 261

CT in renal and perirenal lymphoma: a further look, Reznek RH; Mootoosamy I; Webb JAW; et al, Clin Radiol 1990; **42:** 233

CT staging of renal carcinoma: a prospective comparison of three dynamic computed tomography techniques, Miles KA; London NJM; Lavelle JM; et al, Eur J Radiol 1991; **13:** 37

cystic renal tumors: US and CT findings, Dalla-Palma L; Pozzi-Mucelli F; di Donna A; et al, Urol Radiol 1990; **12:** 67

cysts and cystic neoplasms, Hartman DS, Urol Radiol 1990; **12:** 7

general case of the day, Laperrière J; Lafortune M, Radiographics 1990; **10:** 1105

giant renal cell carcinoma: CT and MR characteristics, Rofsky NM; Bosniak MA; Weinreb JC; et al, JCAT 1989; **13:** 1078

interleukin-2 therapy for advanced renal cell carcinoma: radiographic evaluation of response and complications, Davis SD; Berkmen YM; Wang JCL, Radiology 1990; **177:** 127

large infiltrating renal transitional cell carcinomas: CT and ultrasound features, Bree RL; Schultz SR; Hayes R, JCAT 1990; **14:** 381

malignant rhabdoid tumor of the kidney: radiologic features, Sisler CL; Siegel MJ, Radiology 1989; **172:** 211

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

observations on the growth of renal neoplasms, Birnbaum BA; Bosniak MA; Megibow AJ; Lubat E; Gordon RB, Radiology 1990; **176:** 695

primary renal carcinoid: computed tomography, ultrasound, and angiographic findings, Moulopoulos A; DuBrow R; David C; et al, JCAT 1991; **15:** 323

problematic renal masses in ultrasonography and computed tomography, Dalla-Palma L; Pozzi-Mucelli RS, Clin Imag 1990; **14:** 83

renal angiomyolipoma: ultrasonographic, CT, angiographic, and histologic correlation, Päivänsalo M; Lähde S; Hyvärinen S; et al, Acta Radiol 1991; **32:** 239

renal cell carcinoma: earlier discovery and increased detection, Smith SJ; Bosniak MA; Megibow AJ; Hulnick DH; Horii SC; Raghavendra BN, Radiology 1989; **170:** 699

renal cell carcinoma: earlier discovery and increased detection, Black WC; Dwyer AJ, Radiology 1990; **174:** 280

renal cell carcinoma: earlier discovery and increased detection: reply, Bosniak MA; Megibow AJ; Raghavendra BN; Hulnick DH; Horii SC; Smith SJ, Radiology 1990; **174:** 280

renal cell carcinoma presenting with diffuse peritoneal metastases: CT findings, Tartar VM; Heiken JP; McClennan BL, JCAT 1991; **15:** 450

renal lymphoma in ataxia-telangiectasia: CT contribution, Levine C; Vrlenich L, JCAT 1989; **13:** 537

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

small pediatric renal neoplasms detected by CT, Levine C; Levine E, JCAT 1990; **14:** 615

small renal neoplasms: clinical, pathologic, and imaging features, Levine E; Huntrakoon M; Wetzel LH, AJR 1989; **153:** 69

squamous cell carcinoma of the uroepithelium: CT evaluation, Narumi Y; Sato T; Hori S; Kuriyama K; Fujita M; Kadowaki K; Inoue E; Maeshima S; Fujino Y; Saiki S; Kuroda M; Kotake T, Radiology 1989; **173:** 853

staging of renal cell carcinoma by dynamic computed tomography: a prospective comparison of two techniques, Miles KA; London NJM; Messios N; et al, Clin Radiol 1990; **42:** 122

Wilms' tumour: pre- and post-chemotherapy CT appearances, Ng YY; Hall-Craggs MA; Dicks-Mireaux C; et al, Clin Radiol 1991; **43:** 255

Kidney neoplasms, diagnosis

angiomyolipoma arising in the renal sinus: a difficult radiologic diagnosis, Zagoria RJ; Dyer RB; McCullough DL, Urol Radiol 1989; **11:** 139

benign non-parenchymal renal tumors: radiologic appearances, Inoue Y; Nakamura H; Yamaguchi S; et al, Clin Imag 1991; **15:** 113

benign renal tumors: diagnosis and treatment, Goldman SM, Urol Radiol 1989; **11:** 203

combined gadolinium-enhanced and fat-saturation MR imaging of renal masses, Semelka RC; Hricak H; Stevens SK; Finegold R; Tomei E; Carroll PR, Radiology 1991; **178:** 803

current state of MRI in renal mass diagnosis and staging of RCC, Fritzsche PJ, Urol Radiol 1989; **11:** 210

cystic renal masses: usefulness of the Bosniak classification, Aronson S; Frazier HA; Baluch JD; et al, Urol Radiol 1991; **13:** 83

diagnosis, staging, and follow-up of carcinomas of the kidney, bladder, and prostate: the role of cross-sectional imaging, Singer J; McClennan BL, Semin US CT MR 1989; **10:** 481

differentiating between benign and malignant cystic lesions of the kidney, (ab), Bosniak MA, Radiology 1991; **181:** 293

difficulties in classifying cystic lesions of the kidney, Bosniak MA, Urol Radiol 1991; **13:** 91

general case of the day, Laperrière J; Lafortune M, Radiographics 1990; **10:** 1105

hypointense renal cell carcinoma: MR imaging with pathologic correlation, Sussman SK; Glickstein MF; Krzymowski GA, Radiology 1990; **177:** 495

imaging of neonatal renal masses, Fernbach SK, Urol Radiol 1991; **12:** 214

interactive, mathematical, and sequential consultative methods in diagnosing renal masses on excretory urograms, Ferrell WR; Hillman BJ; Brewer ML; et al, Invest Radiol 1989; **24:** 456

malignant rhabdoid tumor of the kidney: radiologic features, Sisler CL; Siegel MJ, Radiology 1989; **172:** 211

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

pediatric case of the day, Wootton SL; Rowen SJ; Griscom NT, Radiographics 1991; **11:** 719

renal cell carcinoma: earlier discovery and increased detection, Smith SJ; Bosniak MA; Megibow AJ; Hulnick DH; Horii SC; Raghavendra BN, Radiology 1989; **170:** 699

renal cell carcinoma: earlier discovery and increased detection, Black WC; Dwyer AJ, Radiology 1990; **174:** 280

renal cell carcinoma: earlier discovery and increased detection: reply, Bosniak MA; Megibow AJ; Raghavendra BN; Hulnick DH; Horii SC; Smith SJ, Radiology 1990; **174:** 280

renal masses: evaluation with gradient-echo Gd-DTPA–enhanced dynamic MR imaging, Eilenberg SS; Lee JKT; Brown JJ; Mirowitz SA; Tartar VM, Radiology 1990; **176:** 333

renal oncocytoma: report of a case with bilateral multifocal oncocytomas, Mead GO; Thomas LR Jr; Jackson JG, Clin Imag 1990; **14:** 231

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

Kidney neoplasms, hemorrhage

case report: therapeutic embolization to control haematuria from transitional cell carcinoma of the kidney, Saifuddin A; Irving HC; Whelan P, Clin Radiol 1991; **44:** 132

spontaneous perinephric and subcapsular renal hemorrhage: evaluation with CT, US, and angiography, Belville JS; Morgentaler A; Loughlin KR; Tumeh SS, Radiology 1989; **172:** 733

spontaneous subcapsular and perirenal hematomas, Bosniak MA, Radiology 1989; **172:** 601

Kidney neoplasms, metastases

case report: numerous pulmonary metastases from renal cell carcinoma confined to the middle lobe, Toye R; Jones DK; Armstrong P; et al, Clin Radiol 1990; **42:** 443

cutaneous seeding of renal carcinoma by Chiba needle aspiration biopsy: case report, Shenoy PD; Lakhkar BN; Ghosh MK; et al, Acta Radiol 1991; **32:** 50

interleukin-2 therapy for advanced renal cell carcinoma: radiographic evaluation of response and complications, Davis SD; Berkmen YM; Wang JCL, Radiology 1990; **177:** 127

pancreatic metastases of renal cell carcinoma: report of two cases, Strijk SP, Gastrointest Radiol 1989; **14:** 123

Kidney neoplasms, MR

combined gadolinium-enhanced and fat-saturation MR imaging of renal masses, Semelka RC; Hricak H; Stevens SK; Finegold R; Tomei E; Carroll PR, Radiology 1991; **178:** 803

current state of MRI in renal mass diagnosis and staging of RCC, Fritzsche PJ, Urol Radiol 1989; **11:** 210

cysts and cystic neoplasms, Hartman DS, Urol Radiol 1990; **12:** 7

detection of renal carcinoma extension into the renal vein and inferior vena cava: a prospective comparison of venacavography and magnetic resonance imaging, (ab), Horan JJ; Robertson CN; Choyke PL; et al, Radiology 1990; **175:** 589

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

giant renal cell carcinoma: CT and MR characteristics, Rofsky NM; Bosniak MA; Weinreb JC; et al, JCAT 1989; **13:** 1078

hypointense renal cell carcinoma: MR imaging with pathologic correlation, Sussman SK; Glickstein MF; Krzymowski GA, Radiology 1990; **177:** 495

intracardiac extension of Wilms' tumour: demonstration by magnetic resonance, Gibson JM; Hall-Craggs MA; Dicks-Mireaux C; et al, Br J Radiol 1990; **63:** 568

magnetic resonance imaging in the staging of renal cell carcinoma, Kabala JE; Gillatt DA; Persad RA; et al, Br J Radiol 1991; **64:** 683

malignant rhabdoid tumor of the kidney: radiologic features, Sisler CL; Siegel MJ, Radiology 1989; **172:** 211

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

metastatic Wilms' tumor to the liver with MR findings simulating cysts: case report emphasizing need for integrated imaging, Brody AS; Seidel FG; Kuhn JP, Pediatr Radiol 1989; **19:** 337

MR evaluation of renal space-occupying lesions: diagnostic criteria, Hovsepian DM; Levy H; Amis ES Jr; et al, Urol Radiol 1990; **12:** 74

MR imaging findings in renal medullary fibroma, Cormier P; Patel SK; Turner DA; et al, AJR 1989; **153:** 83

MR imaging of adult Wilms' tumor: correlation with US, CT, and pathology, Bellin M-F; Maidenberg M; Raveau V; et al, Urol Radiol 1990; **12:** 148

MR imaging of neurilemoma arising from the renal hilus, Kitagawa K; Yamahana T; Hirano S; et al, JCAT 1990; **14:** 830

recent advances in magnetic resonance imaging of renal masses, Lee JKT, J Canad Assoc Radiol 1991; **42:** 185

renal lesion characterization with gadolinium-enhanced MR imaging: efficacy and safety in patients with renal insufficiency, Rofsky NM; Weinreb JC; Bosniak MA; Libes RB; Birnbaum BA, Radiology 1991; **180:** 85

renal masses: evaluation with gradient-echo Gd-DTPA–enhanced dynamic MR imaging, Eilenberg SS; Lee JKT; Brown JJ; Mirowitz SA; Tartar VM, Radiology 1990; **176:** 333

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

Kidney neoplasms, radionuclide studies

function within mesoblastic nephroma: imaging—pathologic correlation, Kirks DR; Kaufman RA, Pediatr Radiol 1989; **19:** 136

Kidney neoplasms, secondary

case report: two patients with symptomatic renal metastases, Chippindale AJ; Bisset RAL; Mamtora H, Clin Radiol 1989; **40:** 95

diffuse infiltrating renal metastases presenting as pyonephrosis, Issa MM; Cox JL; Jeffrey RB; et al, JCAT 1991; **15:** 175

Kidney neoplasms, staging

combined gadolinium-enhanced and fat-saturation MR imaging of renal masses, Semelka RC; Hricak H; Stevens SK; Finegold R; Tomei E; Carroll PR, Radiology 1991; **178:** 803

CT staging of renal carcinoma: a prospective comparison of three dynamic computed tomography techniques, Miles KA; London NJM; Lavelle JM; et al, Eur J Radiol 1991; **13:** 37

current state of MRI in renal mass diagnosis and staging of RCC, Fritzsche PJ, Urol Radiol 1989; **11:** 210

diagnosis, staging, and follow-up of carcinomas of the kidney, bladder, and prostate: the role of cross-sectional imaging, Singer J; McClennan BL, Semin US CT MR 1989; **10:** 481

magnetic resonance imaging in the staging of renal cell carcinoma, Kabala JE; Gillatt DA; Persad RA; et al, Br J Radiol 1991; **64:** 683

staging of renal cell carcinoma by dynamic computed tomography: a prospective comparison of two techniques, Miles KA; London NJM; Messios N; et al, Clin Radiol 1990; **42:** 122

staging renal carcinoma: what is sufficient?, (ab), Benson MA; Haaga JR; Resnick MI, Radiology 1989; **172:** 586

Kidney neoplasms, therapeutic radiology

late effects of treatment for Wilms' tumor: a report from the National Wilms' Tumor Study Group, (ab), Evans AE; Norkool P; Evans I; et al, Radiology 1991; **180:** 883

management of primary and metastatic renal cell carcinoma by transcatheter embolization with iodine 125, (ab), Lang EK; Sullivan J, Radiology 1989; **170:** 901

renal cisplatin chemoembolization with Angiostat, Gelfoam, and Ethiodol in the rabbit: renal platinum distributions, Sternlicht M; Sales SF; Daniels JR; Daniels A, Radiology 1989; **170:** 1073

role of glutathione peroxidase in the radiation response of mouse kidney, Stevens GN; Joiner MC; Joiner B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1213

Wilms' tumor: reduced-dose radiotherapy in advanced-stage Wilms' tumor with favorable histology, Tobin RL; Fontanesi J; Kun LE; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 867

Kidney neoplasms, therapy

benign renal tumors: diagnosis and treatment, Goldman SM, Urol Radiol 1989; **11:** 203

enucleation of tumor versus partial nephrectomy as conservative treatment of renal cell carcinoma, (ab), Stephens R; Graham SD Jr, Radiology 1990; **177:** 597

misteltoe (iscador) therapy in stage IV renal adenocarcinoma: a phase II study in patients with measurable lung metastases, Kjaer M, Acta Oncol 1989; **28:** 489

prediction of objective response to recombinant interferon-alpha with or without vinblastine in metastatic renal cell carcinoma, Fossâ SD; Nesland JM; Melvik JE; et al, Acta Oncol 1990; **29:** 303

prolonged survival following palliative renal tumor embolization by capillary occlusion, Kauffmann GW; Richter GM; Rohrbach R; et al, Cardiovasc Intervent Radiol 1989; **12:** 22

recombinant leukocyte interferon alpha-2a and medroxyprogesterone in advanced renal cell carcinoma: a randomized trial, Steinbeck G; Strander H; Carbin B-E; et al, Acta Oncol 1990; **29:** 155

therapeutic angioinfarction of renal carcinoma: CT follow-up, Jafri SZH; Ellwood RA; Amendola MA; et al, JCAT 1989; **13:** 443

treatment of Wilms' tumor: results of the Third National Wilms' Tumor Study, (ab), D'Angio GJ; Breslow N; Beckwith JB; et al, Radiology 1990; **174:** 295

Wilms' tumour: pre- and post-chemotherapy CT appearances, Ng YY; Hall-Craggs MA; Dicks-Mireaux C; et al, Clin Radiol 1991; **43:** 255

Kidney neoplasms, US

case report: characteristic ultrasonographic appearance of a large renal oncocytoma, Borgstein RL; Moran B; Davison LM, Clin Radiol 1991; **43:** 426

clinical and imaging features of rhabdoid tumor of the kidney, Jafri SZH; Freeman JL; Rosenberg BF; et al, Urol Radiol 1991; **13:** 94

cystic renal tumors: US and CT findings, Dalla-Palma L; Pozzi-Mucelli F; di Donna A; et al, Urol Radiol 1990; **12:** 67

cysts and cystic neoplasms, Hartman DS, Urol Radiol 1990; **12:** 7

general case of the day, Laperrière J; Lafortune M, Radiographics 1990; **10:** 1105

large infiltrating renal transitional cell carcinomas: CT and ultrasound features, Bree RL; Schultz SR; Hayes R, JCAT 1990; **14:** 381

malignant rhabdoid tumor of the kidney: radiologic features, Sisler CL; Siegel MJ, Radiology 1989; **172:** 211

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

pitfalls in sonography of renal masses, Mindell HJ, Urol Radiol 1989; **11:** 215

primary renal carcinoid: computed tomography, ultrasound, and angiographic findings, Moulopoulos A; DuBrow R; David C; et al, JCAT 1991; **15:** 323

problematic renal masses in ultrasonography and computed tomography, Dalla-Palma L; Pozzi-Mucelli RS, Clin Imag 1990; **14:** 83

renal angiomyolipoma: ultrasonographic, CT, angiographic, and histologic correlation, Päivänsalo M; Lähde S; Hyvärinen S; et al, Acta Radiol 1991; **32:** 239

renal cell carcinoma: earlier discovery and increased detection, Smith SJ; Bosniak MA; Megibow AJ; Hulnick DH; Horii SC; Raghavendra BN, Radiology 1989; **170:** 699

renal cell carcinoma: earlier discovery and increased detection, Black WC; Dwyer AJ, Radiology 1990; **174:** 280

renal cell carcinoma: earlier discovery and increased detection: reply, Bosniak MA; Megibow AJ; Raghavendra BN; Hulnick DH; Horii SC; Smith SJ, Radiology 1990; **174:** 280

renal masses: characterization with Doppler US, Kier R; Taylor KJW; Feyock AL; Ramos IM, Radiology 1990; **176:** 703

renal masses: differential diagnosis with pulsed Doppler US, Kuijpers D; Jaspers R, Radiology 1989; **170:** 59

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

small renal neoplasms: clinical, pathologic, and imaging features, Levine E; Huntrakoon M; Wetzel LH, AJR 1989; **153:** 69

sonographic demonstration of renal tumour extension into the contralateral renal vein, Carvalho P, Br J Radiol 1989; **62:** 1093

sonographic features of a renal pelvic neurofibroma, Le Cheong L; Khan AN; Bisset RAL, JCU 1990; **18:** 129

Knee

case report 539, Walot I; Staple TW, Skeletal Radiol 1989; **18:** 233

core decompression of the distal femur for avascular necrosis of the knee, (ab), Jacobs MA; Loeb PE; Hungerford DS, Radiology 1990; **174:** 589

lipoma arborescens of the knee, Armstrong SJ; Watt I, Br J Radiol 1989; **62:** 178

Knee, abnormalities

cross-sectional imaging of the patellofemoral joint and surrounding structures, Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG, Radiographics 1991; **11:** 195

depth insufficiency of the proximal trochlear groove on lateral radiographs of the knee: relation to patellar dislocation, Malghem J; Maldague B, Radiology 1989; **170:** 507

discoid menisci of the knee: MR imaging appearance, Silverman JM; Mink JH; Deutsch AL, Radiology 1989; **173:** 351

dorsal defect of the patella: MR features, Ho VB; Kransdorf MJ; Jelinek JS; et al, JCAT 1991; **15:** 474

medial dislocation of the patella, Miller PR; Klein RM; Teitge RA, Skeletal Radiol 1991; **20:** 429

osteophytosis of the knee: anatomic, radiologic, and pathologic investigation, Kindynis P; Haller J; Kang HS; Resnick D; Sartoris DJ; Trudell D; Tyson R, Radiology 1990; **174:** 841

patellar cartilage lesions: in vitro detection and staging with MR imaging and pathologic correlation, Hayes CW; Sawyer RW; Conway WF, Radiology 1990; **176:** 479

patellar tracking abnormalities: clinical experience with kinematic MR imaging in 130 patients, Shellock FG; Mink JH; Deutsch AL; Fox JM, Radiology 1989; **172:** 799

patellofemoral joint: 30° axial radiograph with lateral rotation of the leg, Malghem J; Maldague B, Radiology 1989; **170:** 566

patellofemoral joint: evaluation during active flexion with ultrafast spoiled GRASS MR imaging, Shellock FG; Foo TKF; Deutsch AL; Mink JH, Radiology 1991; **180:** 581

radiographic changes in arthrogrypotic knees, Guidera KJ; Kortright L; Barber V; et al, Skeletal Radiol 1991; **20:** 193

Knee, anatomy

knee hyaline cartilage evaluated with MR imaging: a cadaveric study involving multiple imaging sequences and intraarticular injection of gadolinium and saline solution, Chandnani VP; Ho C; Chu P; Trudell D; Resnick D, Radiology 1991; **178:** 557

moving knee joint: technique for kinematic MR imaging, Niitsu M; Akisada M; Anno I; Miyakawa S, Radiology 1990; **174:** 569

transverse geniculate ligament of the knee: appearance at plain radiography, Sintzoff SA Jr; Gevenois PA; Andrianne Y; Struyven J, Radiology 1991; **180:** 259

validation of three-dimensional reconstructions of knee anatomy: CT vs MR imaging, Smith DK; Berquist TH; An K-N; et al, JCAT 1989; **13:** 294

Knee, arthritis

anteroposterior radiographs of the osteoarthritic knee, (ab), Messieh SS; Fowler PJ; Munro T, Radiology 1991; **178:** 591

cross-sectional imaging of the patellofemoral joint and surrounding structures, Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG, Radiographics 1991; **11:** 195

MR imaging of the knee in acute rheumatoid arthritis: synovial uptake of gadolinium-DOTA, Björkengren AG; Geborek P; Rydholm U; et al, AJR 1990; **155:** 329

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

osteophytosis of the knee: anatomic, radiologic, and pathologic investigation, Kindynis P; Hafler J; Kang HS; Resnick D; Sartoris DJ; Trudell D; Tyson R, Radiology 1990; **174:** 841

relationship between arthroscopic evidence of cartilage damage and radiographic evidence of joint space narrowing in early osteoarthritis of the knee, (ab), Fife RS; Brandt KD; Braunstein EM; et al, Radiology 1991; **181:** 614

rheumatoid arthritis: evaluation of hypervascular and fibrous pannus with dynamic MR imaging enhanced with Gd-DTPA, König H; Sieper J; Wolf K-J, Radiology 1990; **176:** 473

rheumatoid arthritis of the knee: value of gadopentetate dimeglumine-enhanced MR imaging, Adam G; Dammer M; Bohndorf K; et al, AJR 1991; **156:** 125

subchondral cysts of the tibia secondary to osteoarthritis of the knee, Ostlere SJ; Seeger LL; Eckardt JJ, Skeletal Radiol 1990; **19:** 287

Knee, arthrography

arthrography of the post-traumatic knee, shoulder, and wrist: current status and future trends, Gundry CR; Schils JP; Resnick D; et al, Radiol Clin North Am 1989; **27:** 957

comparative study to evaluate the role of intra-articular adrenaline in double-contrast knee arthrography, Ng YY; Khaw KT; Halpin S; et al, Clin Radiol 1989; **40:** 598

diagnostic potential of double contrast arthrography of the knee with the digital technique, Lupi L; Corcione S; Cervi PM; et al, Skeletal Radiol 1991; **20:** 5

knee arthrography: comparison of iotrolan and ioxaglate sodium meglumine, Obermann WR; Bloem JL; Hermans J, Radiology 1989; **173:** 197

meniscal tears: MR and arthrographic findings after arthroscopic repair, Farley TE; Howell SM; Love KF; Wolfe RD; Neumann CH, Radiology 1991; **180:** 517

peripheral meniscal tears: MR findings after conservative treatment or arthroscopic repair, Deutsch AL; Mink JH; Fox JM; Arnoczky SP; Rothman BJ; Stoller DW; Cannon WD Jr, Radiology 1990; **176:** 485

Knee, CT

cross-sectional imaging of the patellofemoral joint and surrounding structures, Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG, Radiographics 1991; **11:** 195

ganglionic cysts of the peroneal nerve at the knee: CT and surgical correlation, Gambari PI; Giuliani G; Poppi M; et al, JCAT 1990; **14:** 801

medial dislocation of the patella, Miller PR; Klein RM; Teitge RA, Skeletal Radiol 1991; **20:** 429

patellofemoral relationships in normal subjects determined by computed tomography, Reikerås O; Høiseth A, Skeletal Radiol 1990; **19:** 591

pigmented villonodular synovitis of the knee: computed tomographic appearances, Butt WP; Hardy G; Ostlere SJ; et al, Skeletal Radiol 1990; **19:** 191

postmanipulation CT of the knee joint: an aid in diagnosis of intraarticular loose bodies, Connell DG; Parikh JR; Forster BB; et al, JCAT 1991; **15:** 511

quantification of knee joint fluid volume by MR imaging and CT using three-dimensional data processing, Heuck AF; Steiger P; Stoller DW; et al, JCAT 1989; **13:** 287

subluxation of the patella. computed tomography analysis of patellofemoral congruence, (ab), Inoue M; Shino K; Hirose H; et al, Radiology 1989; **171:** 590

validation of three-dimensional reconstructions of knee anatomy: CT vs MR imaging, Smith DK; Berquist TH; An K-N; et al, JCAT 1989; **13:** 294

Knee, cysts

Baker's cyst simulating deep vein thrombosis, Chaudhuri R; Salari R, Clin Radiol 1990; **41:** 400

cysts of the semilunar cartilages of the knee: a new approach by ultrasound imaging: a study of six cases and review of the literature, Peetrons P; Allaer D; Jeanmart L, J Ultrasound Med 1990; **9:** 333

ganglionic cysts of the peroneal nerve at the knee: CT and surgical correlation, Gambari PI; Giuliani G; Poppi M; et al, JCAT 1990; **14:** 801

imaging of meniscal cyst of the knee in three cases, Coral A; van Holsbeeck M; Adler RS, Skeletal Radiol 1989; **18:** 451

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

popliteal cysts: a reassessment using magnetic resonance imaging, Fielding JR; Franklin PD; Kustan J, Skeletal Radiol 1991; **20:** 433

visualization of a Baker's cyst on radionuclide venography, Atkins HL; Nelson SJ; Oster ZH, Clin Nucl Med 1989; **14:** 629

Knee, fractures

avulsion of the posteromedial tibial plateau by the semimembranosus tendon: diagnosis with MR imaging, Yao L; Lee JK, Radiology 1989; **172:** 513

cross-sectional imaging of the patellofemoral joint and surrounding structures, Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG, Radiographics 1991; **11:** 195

lipohemarthrosis of the knee: a review of recent experiences, Lee J-H; Weissman BN; Nikpoor N; Aliabadi P; Sosman JL, Radiology 1989; **173:** 189

occult cartilage and bone injuries of the knee: detection, classification, and assessment with MR imaging, Mink JH; Deutsch AL, Radiology 1989; **170:** 823

occult posttraumatic osteochondral lesions of the knee: prevalence, classification, and short-term sequelae evaluated with MR imaging, Vellet AD; Marks PH; Fowler PJ; Munro TG, Radiology 1991; **178:** 271

stress fracture of the patella: confirmation by triple-phase bone imaging, Rockett JF; Freeman BL III, Clin Nucl Med 1990; **15:** 873

Knee, injuries

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arthrography of the post-traumatic knee, shoulder, and wrist: current status and future trends, Gundry CR; Schils JP; Resnick D; et al, Radiol Clin North Am 1989; **27:** 957

avulsion of the posteromedial tibial plateau by the semimembranosus tendon: diagnosis with MR imaging, Yao L; Lee JK, Radiology 1989; **172:** 513

cross-sectional imaging of the patellofemoral joint and surrounding structures, Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG, Radiographics 1991; **11:** 195

follow-up of grade 2 meniscal abnormalities in the stable knee, Dillon EH; Pope CF; Jokl P; Lynch JK, Radiology 1991; **181:** 849

lipohemarthrosis of the knee: MR imaging, Kier R; McCarthy KM, JCAT 1990; **14:** 395

magnetic resonance imaging of knee trauma, Bassett LW; Grover JS; Seeger LL, Skeletal Radiol 1990; **19:** 401

meniscal abnormalities in the asymptomatic population at MR imaging, Kornick J; Trefelner E; McCarthy S; Lange R; Lynch K; Jokl P, Radiology 1990; **177:** 463

moving knee joint: technique for kinematic MR imaging, Niitsu M; Akisada M; Anno I; Miyakawa S, Radiology 1990; **174:** 569

MR imaging of bone injuries of the knee, (ab), Crues JV III, Radiology 1990; **176:** 296

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

new method for fast MR imaging of the knee, Harms SE; Flamig DP; Fisher CF; Fulmer JM, Radiology 1989; **173:** 743

occult cartilage and bone injuries of the knee: detection, classification, and assessment with MR imaging, Mink JH; Deutsch AL, Radiology 1989; **170:** 823

patellofemoral relationships in recurrent patellar dislocation, (ab), Kujala UM; Österman K; Kormano M; et al, Radiology 1990; **175:** 886

peripheral meniscal tears: MR findings after conservative treatment or arthroscopic repair, Deutsch AL; Mink JH; Fox JM; Arnoczky SP; Rothman BJ; Stoller DW; Cannon WD Jr, Radiology 1990; **176:** 485

posterior cruciate ligament: MR imaging, Grover JS; Bassett LW; Gross ML; Seeger LL; Finerman GAM, Radiology 1990; **174:** 527

prognostic significance of radiologically detected knee joint effusions in the absence of associated fracture, Maskell TW; Finlay DBL, Br J Radiol 1990; **63:** 940

progression of meniscal degenerative changes in college football players: evaluation with MR imaging, Reinig JW; McDevitt ER; Ove PN, Radiology 1991; **181:** 255

tears of cruciate ligaments and menisci: evaluation with cine MR imaging, Niitsu M; Anno I; Fukubayashi T; Shimojo H; Kuno S-y; Akisada M, Radiology 1991; **178:** 859

truncation artifact: a potential pitfall in MR imaging of the menisci of the knee, Turner DA; Rapoport MI; Erwin WD; McGould M; Silvers RI, Radiology 1991; **179:** 629

ultrasonography in the detection of partial patellar ligament ruptures (jumper's knee), Kälebo P; Swärd L; Karlsson J; et al, Skeletal Radiol 1991; **20:** 285

ultrasonography of jumper's knee, Myllymäki T; Bondestam S; Suramo I; et al, Acta Radiol 1990; **31:** 147

vacuum phenomenon simulating meniscal or cartilaginous injury of the knee at MR imaging, Shogry MEC; Pope TL Jr, Radiology 1991; **180:** 513

Knee, ligaments and menisci

acute and chronic tears of the anterior cruciate ligament: differential features at MR imaging, Vahey TN; Broome DR; Kayes KJ; Shelbourne KD, Radiology 1991; **181:** 251

anterior cruciate ligament reconstruction: evaluation with MR imaging, Rak KM; Gillogly SD; Schaefer RA; Yakes WF; Liljedahl RR, Radiology 1991; **178:** 553

clinical value of magnetic resonance imaging in the evaluation of meniscal disorders, (ab), Raunest J; Oberle K; Loehnert J; et al, Radiology 1991; **180:** 591

demonstration of medial meniscus tear by three-phase bone imaging, Rockett JF, Clin Nucl Med 1991; **16:** 47

double-blind assessment of the value of magnetic resonance imaging in the diagnosis of anterior cruciate and meniscal lesions, (ab), Glashow JL; Katz R; Schneider M; et al, Radiology 1989; **173:** 293

ex-vivo MR imaging of the cruciate ligaments, Yao L; Sherwood JW, Comput Med Imag Graph 1991; **15:** 27

follow-up of grade 2 meniscal abnormalities in the stable knee, Dillon EH; Pope CF; Jokl P; Lynch JK, Radiology 1991; **181:** 849

knee after partial meniscectomy: MR imaging features, Smith DK; Totty WG, Radiology 1990; **176:** 141

knees of trained long-distance runners: MR imaging before and after competition, Shellock FG; Mink JH, Radiology 1991; **179:** 635

lateral tibial rim (segond) fractures: MR imaging characteristics, Weber WN; Neumann CH; Barakos JA; Peterson SA; Steinbach LS; Genant HK, Radiology 1991; **180:** 731

lesions of the patellar ligament, (ab), King JB; Perry DJ; Kumar SJ, Radiology 1990; **177:** 294

magnetic resonance imaging of knee menisci: comparison of spin echo pulse sequences, Evancho AM; Fajman WA; Stiles RG; et al, Invest Radiol 1990; **25:** 1224

meniscal abnormalities in the asymptomatic population at MR imaging, Kornick J; Trefelner E; McCarthy S; Lange R; Lynch K; Jokl P, Radiology 1990; **177:** 463

meniscal repair following meniscectomy: mechanism and protective effect. experimental study in the dog, Berjon JJ; Munuera L; Calvo M, Skeletal Radiol 1990; **19:** 567

meniscal tears diagnosed with MR imaging versus arthroscopy: how reliable a standard is arthroscopy?, Quinn SF; Brown TF, Radiology 1991; **181:** 843

meniscal tears: MR and arthrographic findings after arthroscopic repair, Farley TE; Howell SM; Love KF; Wolfe RD; Neumann CH, Radiology 1991; **180:** 517

meniscofemoral ligament simulating tear of the lateral meniscus: MR features, Carpenter WA, JCAT 1990; **14:** 1033

MR imaging of anterior cruciate ligament repair, Moeser P; Bechtold RE; Clark T; et al, JCAT 1989; **13:** 105

MR imaging of displaced bucket-handle tear of the medial meniscus, Singson RD; Feldman F; Staron R; et al, AJR 1991; **156:** 121

MR imaging of the knee: comparison of three-dimensional FISP and two-dimensional spin-echo pulse sequences, Solomon SL; Totty WG; Lee JKT, Radiology 1989; **173:** 739

MR imaging of the knee: pseudotear of the lateral meniscus caused by the meniscofemoral ligament, Vahey TN; Bennett HT; Arrington LE; et al, AJR 1990; **154:** 1237

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

MR of the knee: the significance of high signal in the meniscus that does not clearly extend to the surface, Kaplan PA; Nelson NL; Garvin KL; et al, AJR 1991; **156:** 333

"notch" sign: meniscal contour deformities as indicators of tear in MR imaging of the knee, Davis SJ; Teresi LM; Bradley WG Jr; et al, JCAT 1990; **14:** 975

occult posttraumatic osteochondral lesions of the knee: prevalence, classification, and short-term sequelae evaluated with MR imaging, Vellet AD; Marks PH; Fowler PJ; Munro TG, Radiology 1991; **178:** 271

osteonecrosis of the knee after arthroscopic surgery: diagnosis with MR imaging, Brahme SK; Fox JM; Ferkel RD; Friedman MJ; Flannigan BD; Resnick DL, Radiology 1991; **178:** 851

peripheral meniscal tears: MR findings after conservative treatment or arthroscopic repair, Deutsch AL; Mink JH; Fox JM; Arnoczky SP; Rothman BJ; Stoller DW; Cannon WD Jr, Radiology 1990; **176:** 485

posterior cruciate ligament: MR imaging, Grover JS; Bassett LW; Gross ML; Seeger LL; Finerman GAM, Radiology 1990; **174:** 527

progression of meniscal degenerative changes in college football players: evaluation with MR imaging, Reinig JW; McDevitt ER; Ove PN, Radiology 1991; **181:** 255

radiographic assessment of instability of the knee due to rupture of the anterior cruciate ligament: a quadriceps-contraction technique, (ab), Franklin JL; Rosenberg TD; Paulos LE; et al, Radiology 1991; **181:** 294

sagittal MR images of the knee: a low-signal band parallel to the posterior cruciate ligament caused by a displaced bucket-handle tear, Weiss KL; Morehouse HT; Levy IM, AJR 1991; **156:** 117

tears of cruciate ligaments and menisci: evaluation with cine MR imaging, Niitsu M; Anno I; Fukubayashi T; Shimojo H; Kuno S-y; Akisada M, Radiology 1991; **178:** 859

tibial collateral ligament bursa: MR imaging, Lee JK; Yao L, Radiology 1991; **178:** 855

transverse geniculate ligament of the knee: appearance at plain radiography, Sintzoff SA Jr; Gevenois PA; Andrianne Y; Struyven J, Radiology 1991; **180:** 259

ultrasonography in the detection of partial patellar ligament ruptures (jumper's knee), Kälebo P; Swärd L; Karlsson J; et al, Skeletal Radiol 1991; **20:** 285

ultrasound in degenerative cystic meniscal disease of the knee, De Flaviis L; Scaglione P; Nessi R; et al, Skeletal Radiol 1990; **19:** 441

unimpinged and impinged anterior cruciate ligament grafts: MR signal intensity measurements, Howell SM; Berns GS; Farley TE, Radiology 1991; **179:** 639

vacuum phenomenon simulating meniscal or cartilaginous injury of the knee at MR imaging, Shogry MEC; Pope TL Jr, Radiology 1991; **180:** 513

Knee, menisci

See Knee, ligaments and menisci

Knee, MR

accuracy of diagnoses from magnetic resonance imaging of the knee: a multi-center analysis of one thousand and fourteen patients, (ab), Fischer SP; Fox JM; Del Pizzo W; et al, Radiology 1991; **180:** 591

acute and chronic tears of the anterior cruciate ligament: differential features at MR imaging, Vahey TN; Broome DR; Kayes KJ; Shelbourne KD, Radiology 1991; **181:** 251

anterior cruciate ligament: oblique sagittal MR imaging, Buckwalter KA; Pennes DR, Radiology 1990; **175:** 276

anterior cruciate ligament reconstruction: evaluation with MR imaging, Rak KM; Gillogly SD; Schaefer RA; Yakes WF; Liljedahl RR, Radiology 1991; **178:** 553

avulsion of the posteromedial tibial plateau by the semimembranosus tendon: diagnosis with MR imaging, Yao L; Lee JK, Radiology 1989; **172:** 513

bilateral MR imaging with switched mutually coupled receiver coils, Wright SM; Wright RM, Radiology 1989; **170:** 249

bone abnormalities of the knee: prevalence and significance at MR imaging, Lynch TCP; Crues JV III; Morgan FW; Sheehan WE; Harter LP; Ryu R, Radiology 1989; **171:** 761

case report 563, Sundaram M; Chalk D; Merenda J; et al, Skeletal Radiol 1989; **18:** 463

clinical value of magnetic resonance imaging in the evaluation of meniscal disorders, (ab), Raunest J; Oberle K; Loehnert J; et al, Radiology 1991; **180:** 591

cross-sectional imaging of the patellofemoral joint and surrounding structures, Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG, Radiographics 1991; **11:** 195

discoid menisci of the knee: MR imaging appearance, Silverman JM; Mink JH; Deutsch AL, Radiology 1989; **173:** 351

dorsal defect of the patella: MR features, Ho VB; Kransdorf MJ; Jelinek JS; et al, JCAT 1991; **15:** 474

ex-vivo MR imaging of the cruciate ligaments, Yao L; Sherwood JW, Comput Med Imag Graph 1991; **15:** 27

follow-up of grade 2 meniscal abnormalities in the stable knee, Dillon EH; Pope CF; Jokl P; Lynch JK, Radiology 1991; **181:** 849

imaging of meniscal cyst of the knee in three cases, Coral A; van Holsbeeck M; Adler RS, Skeletal Radiol 1989; **18:** 451

imaging of the knee, Langer JE; Meyer SJF; Dalinka MK, Radiol Clin North Am 1990; **28:** 975

incidental detection of hematopoietic hyperplasia on routine knee MR imaging, Deutsch AL; Mink JH; Rosenfelt FP; et al, AJR 1989; **152:** 333

jogging causes acute changes in the knee joint: an MR study in normal volunteers, Kursunoglu-Brahme S; Schwaighofer B; Gundry CR; et al, AJR 1990; **154:** 1233

knee after partial meniscectomy: MR imaging features, Smith DK; Totty WG, Radiology 1990; **176:** 141

knee hyaline cartilage evaluated with MR imaging: a cadaveric study involving multiple imaging sequences and intraarticular injection of gadolinium and saline solution, Chandnani VP; Ho C; Chu P; Trudell D; Resnick D, Radiology 1991; **178:** 557

knees of trained long-distance runners: MR imaging before and after competition, Shellock FG; Mink JH, Radiology 1991; **179:** 635

lateral tibial rim (segond) fractures: MR imaging characteristics, Weber WN; Neumann CH; Barakos JA; Peterson SA; Steinbach LS; Genant HK, Radiology 1991; **180:** 731

lipohemarthrosis of the knee: MR imaging, Kier R; McCarthy KM, JCAT 1990; **14:** 395

magnetic resonance imaging of knee menisci: comparison of spin echo pulse sequences, Evancho AM; Fajman WA; Stiles RG; et al, Invest Radiol 1990; **25:** 1224

magnetic resonance imaging of knee trauma, Bassett LW; Grover JS; Seeger LL, Skeletal Radiol 1990; **19:** 401

magnetic resonance imaging of the knee, Manaster BJ, Semin US CT MR 1990; **11:** 307

magnetic resonance imaging of the knee: an overview, Munk PL, J Canad Assoc Radiol 1989; **40:** 296

magnetic resonance imaging of the knee: current status, new directions, Munk PL; Helms CA; Genant HK; et al, Skeletal Radiol 1989; **18:** 569

magnetization transfer contrast: MR imaging of the knee, Wolff SD; Chesnick S; Frank JA; Lim KO; Balaban RS, Radiology 1991; **179:** 623

meniscal abnormalities in the asymptomatic population at MR imaging, Kornick J; Trefelner E; McCarthy S; Lange R; Lynch K; Jokl P, Radiology 1990; **177:** 463

meniscal tears diagnosed with MR imaging versus arthroscopy: how reliable a standard is arthroscopy?, Quinn SF; Brown TF, Radiology 1991; **181:** 843

meniscal tears: MR and arthrographic findings after arthroscopic repair, Farley TE; Howell SM; Love KF; Wolfe RD; Neumann CH, Radiology 1991; **180:** 517

meniscofemoral ligament simulating tear of the lateral meniscus: MR features, Carpenter WA, JCAT 1990; **14:** 1033

moving knee joint: technique for kinematic MR imaging, Niitsu M; Akisada M; Anno I; Miyakawa S, Radiology 1990; **174:** 569

MR examination of the knee: interpretation with multiscreen digital workstation vs hardcopy format, Brown JJ; Malchow SC; Totty WG; et al, AJR 1991; **157:** 81

MR fat suppression technique in the evaluation of normal structures of the knee, Totterman S; Weiss SL; Szumowski J; et al, JCAT 1989; **13:** 473

MRI demonstration of hypertrophic articular cartilage repair in osteoarthritis, Braunstein EM; Brandt KD; Albrecht M, Skeletal Radiol 1990; **19:** 335

MR image of localized giant cell tumor of the tendon sheath involving the knee, Balsara ZN; Stainken BF; Martinez AJ, JCAT 1989; **13:** 159

MR imaging of bone injuries of the knee, (ab), Crues JV III, Radiology 1990; **176:** 296

MR imaging of displaced bucket-handle tear of the medial meniscus, Singson RD; Feldman F; Staron R; et al, AJR 1991; **156:** 121

M.R. imaging of the knee: a prospective trial using a low field strength magnet, James P; Buirski G, Australas Radiol 1990; **34:** 59

MR imaging of the knee: comparison of three-dimensional FISP and two-dimensional spin-echo pulse sequences, Solomon SL; Totty WG; Lee JKT, Radiology 1989; **173:** 739

MR imaging of the knee in acute rheumatoid arthritis: synovial uptake of gadolinium-DOTA, Björkengren AG; Geborek P; Rydholm U; et al, AJR 1990; **155:** 329

MR imaging of the knee in the sagittal projection: comparison of three-dimensional gradient-echo and spin-echo sequences, Reeder JD; Matz SO; Becker L; et al, AJR 1989; **153:** 537

MR imaging of the knee: pseudotear of the lateral meniscus caused by the meniscofemoral ligament, Vahey TN; Bennett HT; Arrington LE; et al, AJR 1990; **154:** 1237

MR imaging of the knee: three-dimensional volume imaging combined with fast processing, Adam G; Bohndorf K; Drobnitzky M; et al, JCAT 1989; **13:** 984

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

MRI of internal derangement of the knee with arthroscopic correlation, Sykes JT; Mulligan SA, Australas Radiol 1990; **34:** 207

MRI of the athletic knee: findings in asymptomatic professional basketball and collegiate football players, Brunner MC; Flower SP; Evancho AM; et al, Invest Radiol 1989; 24: 72

MRI of the knee in diffuse pigmented villonodular synovitis, Steinbach LS; Neumann CH; Stoller DW; et al, Clin Imag 1989; 13: 305

MRI of the knee region in leukemic children: part I. initial pattern in patients with untreated disease, Bohndorf K; Benz-Bohm G; Gross-Fengels W; et al, Pediatr Radiol 1990; 20: 179

MRI of the knee region in leukemic children: part II. follow up: responder, non-responder, relapse, Benz-Bohm G; Gross-Fengels W; Bohndorf K; et al, Pediatr Radiol 1990; 20: 272

MR of the knee: the significance of high signal in the meniscus that does not clearly extend to the surface, Kaplan PA; Nelson NL; Garvin KL; et al, AJR 1991; 156: 333

new method for fast MR imaging of the knee, Harms SE; Flamig DP; Fisher CF; Fulmer JM, Radiology 1989; 173: 743

normal variations in MR imaging of the knee: appearance and frequency, Watanabe AT; Carter BC; Teitelbaum GP; et al, AJR 1989; 153: 341

"notch" sign: meniscal contour deformities as indicators of tear in MR imaging of the knee, Davis SJ; Teresi LM; Bradley WG Jr; et al, JCAT 1990; 14: 975

oblique sagittal MR imaging of the anterior cruciate ligament, Engeler C; Miller S; Ochsner EG, Radiology 1991; 178: 890

oblique sagittal MR imaging of the anterior cruciate ligament: reply, Buckwalter KA; Pennes DR, Radiology 1991; 178: 891

occult cartilage and bone injuries of the knee: detection, classification, and assessment with MR imaging, Mink JH; Deutsch AL, Radiology 1989; 170: 823

occult posttraumatic osteochondral lesions of the knee: prevalence, classification, and short-term sequelae evaluated with MR imaging, Vellet AD; Marks PH; Fowler PJ; Munro TG, Radiology 1991; 178: 271

osteochondritis dissecans of the knee: value of MR imaging in determining lesion stability and the presence of articular cartilage defects, De Smet AA; Fisher DR; Graf BK; et al, AJR 1990; 155: 549

osteochondritis dissecans of the talus and knee: prospective comparison of MR and arthroscopic classifications, Nelson DW; DiPaola J; Colville M; et al, JCAT 1990; 14: 804

osteonecrosis of the knee after arthroscopic surgery: diagnosis with MR imaging, Brahme SK; Fox JM; Ferkel RD; Friedman MJ; Flannigan BD; Resnick DL, Radiology 1991; 178: 851

patellar cartilage lesions: in vitro detection and staging with MR imaging and pathologic correlation, Hayes CW; Sawyer RW; Conway WF, Radiology 1990; 176: 479

patellar tracking abnormalities: clinical experience with kinematic MR imaging in 130 patients, Shellock FG; Mink JH; Deutsch AL; Fox JM, Radiology 1989; 172: 799

patellofemoral joint: evaluation during active flexion with ultrafast spoiled GRASS MR imaging, Shellock FG; Foo TKF; Deutsch AL; Mink JH, Radiology 1991; 180: 581

peripheral meniscal tears: MR findings after conservative treatment or arthroscopic repair, Deutsch AL; Mink JH; Fox JM; Arnoczky SP; Rothman BJ; Stoller DW; Cannon WD Jr, Radiology 1990; 176: 485

popliteal artery entrapment: findings at MR imaging, McGuinness G; Durham JD; Rutherford RB; Thickman D; Kumpe DA, JVIR 1991; 2: 241

popliteal cysts: a reassessment using magnetic resonance imaging, Fielding JR; Franklin PD; Kustan J, Skeletal Radiol 1991; 20: 433

posterior cruciate ligament: MR imaging, Grover JS; Bassett LW; Gross ML; Seeger LL; Finerman GAM, Radiology 1990; 174: 527

progression of meniscal degenerative changes in college football players: evaluation with MR imaging, Reinig JW; McDevitt ER; Ove PN, Radiology 1991; 181: 255

quantification of knee joint fluid volume by MR imaging and CT using three-dimensional data processing, Heuck AF; Steiger P; Stoller DW; et al, JCAT 1989; 13: 287

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; 176: 255

recent advances in magnetic resonance imaging of the knee, Burk DL Jr; Mitchell DG; Rifkin MD; et al, Radiol Clin North Am 1990; 28: 379

rheumatoid arthritis: evaluation of hypervascular and fibrous pannus with dynamic MR imaging enhanced with Gd-DTPA, König H; Sieper J; Wolf K-J, Radiology 1990; 176: 473

rheumatoid arthritis of the knee: value of gadopentetate dimeglumine-enhanced MR imaging, Adam G; Dammer M; Bohndorf K; et al, AJR 1991; 156: 125

sagittal MR images of the knee: a low-signal band parallel to the posterior cruciate ligament caused by a displaced bucket-handle tear, Weiss KL; Morehouse HT; Levy IM, AJR 1991; 156: 117

spontaneous osteonecrosis of the knee: value of MR imaging in determining prognosis, Björkengren AG; AlRowaih A; Lindstrand A; et al, AJR 1990; 154: 331

tears of cruciate ligaments and menisci: evaluation with cine MR imaging, Niitsu M; Anno I; Fukubayashi T; Shimojo H; Kuno S-y; Akisada M, Radiology 1991; 178: 859

tibial collateral ligament bursa: MR imaging, Lee JK; Yao L, Radiology 1991; 178: 855

truncation artifact: a potential pitfall in MR imaging of the menisci of the knee, Turner DA; Rapoport MI; Erwin WD; McGould M; Silvers RI, Radiology 1991; 179: 629

vacuum phenomenon simulating meniscal or cartilaginous injury of the knee at MR imaging, Shogry MEC; Pope TL Jr, Radiology 1991; 180: 513

validation of three-dimensional reconstructions of knee anatomy: CT vs MR imaging, Smith DK; Berquist TH; An K-N; et al, JCAT 1989; 13: 294

volumetric rendering of MR images, Rusinek H; Mourino MR; Firooznia H; Weinreb JC; Chase NE, Radiology 1989; 171: 269

Knee, neoplasms

case report 682, Varma DGK; Moulopoulos A; Sara AS; et al, Skeletal Radiol 1991; 20: 391

MR image of localized giant cell tumor of the tendon sheath involving the knee, Balsara ZN; Stainken BF; Martinez AJ, JCAT 1989; 13: 159

osteolytic lesions of the patella, Ehara S; Khurana JS; Kattapuram SV; et al, AJR 1989; 153: 103

patellar metastases in the presence of chondrocalcinosis, Rosenthal MA; Tiver KW, Australas Radiol 1991; 35: 197

primary tumors of the patella: a review of 42 cases, Kransdorf MJ; Moser RP Jr; Vinh TN; et al, Skeletal Radiol 1989; 18: 365

Knee, prostheses

case report: loosening of total knee prosthesis demonstrated by digital subtraction arthrography, Jones R, Australas Radiol 1990; 34: 271

incidence of deep vein thrombosis after cementless and cemented knee replacement, (ab), Kim Y-H, Radiology 1991; 178: 899

infected knee prosthesis: diagnosis with In-111 leukocyte, Tc-99m sulfur colloid, and Tc-99m MDP imaging, Palestro CJ; Swyer AJ; Kim CK; Goldsmith SJ, Radiology 1991; 179: 645

intraoperative venous dilation and subsequent development of deep vein thrombosis in patients undergoing total hip or knee replacement, Stewart GJ; Lachman JW; Alburger PD; et al, Ultrasound Med Biol 1990; 16: 133

natural course of radionuclide bone scanning in the evaluation of total knee replacement–a 2 year prospective study, Duus BR; Boeckstyns M; Stadeager C, Clin Radiol 1990; 41: 341

total knee replacement: radiologic findings in failure of porous-coated metal-backed patellar component, Piraino D; Richmond B; Freed H; et al, AJR 1990; 155: 555

Knee, radiography

forty-five-degree posteroanterior flexion weight-bearing radiograph of the knee, (ab), Rosenberg TD; Paulos LE; Parker RD; et al, Radiology 1989; 172: 588

patellofemoral joint: 30° axial radiograph with lateral rotation of the leg, Malghem J; Maldague B, Radiology 1989; 170: 566

standardized technique for lower limb radiography: practice, applications, and error analysis, Siu D; Cooke TDV; Broekhoven LD; et al, Invest Radiol 1991; 26: 71

transverse geniculate ligament of the knee: appearance at plain radiography, Sintzoff SA Jr; Gevenois PA; Andrianne Y; Struyven J, Radiology 1991; 180: 259

Knee, radionuclide studies

case of the pathetic pagetic patella, D'Haem RJ; Cole RL, Clin Nucl Med 1989; 14: 306

demonstration of medial meniscus tear by three-phase bone imaging, Rockett JF, Clin Nucl Med 1991; 16: 47

infected knee prosthesis: diagnosis with In-111 leukocyte, Tc-99m sulfur colloid, and Tc-99m MDP imaging, Palestro CJ; Swyer AJ; Kim CK; Goldsmith SJ, Radiology 1991; 179: 645

natural course of radionuclide bone scanning in the evaluation of total knee replacement–a 2 year prospective study, Duus BR; Boeckstyns M; Stadeager C, Clin Radiol 1990; 41: 341

SPECT for acute knee pain, Murray IPC; Dixon J; Kohan L, Clin Nucl Med 1990; 15: 828

Knee, surgery

knee after partial meniscectomy: MR imaging features, Smith DK; Totty WG, Radiology 1990; 176: 141

meniscal tears: MR and arthrographic findings after arthroscopic repair, Farley TE; Howell SM; Love KF; Wolfe RD; Neumann CH, Radiology 1991; 180: 517

peripheral meniscal tears: MR findings after conservative treatment or arthroscopic repair, Deutsch AL; Mink JH; Fox JM; Arnoczky SP; Rothman BJ; Stoller DW; Cannon WD Jr, Radiology 1990; 176: 485

pulmonary embolism after hip or knee replacement: postoperative changes on pulmonary scintigrams in asymptomatic patients, Foley M; Maslack MM; Rothman RH; Casey MP; Lugano EM; Parry CE; Balderston RA; Booth RE Jr, Radiology 1989; 172: 481

Knee, US

ultrasonic diagnosis of Osgood-Schlatter and Sinding-Larsen-Johansson diseases of the knee, De Flaviis L; Nessi R; Scaglione P; et al, Skeletal Radiol 1989; 18: 193

ultrasonography of jumper's knee, Myllymäki T; Bondestam S; Suramo I; et al, Acta Radiol 1990; 31: 147

ultrasonography of osteochondritis dessecans of the knee: a preliminary report, Gregersen HE; Rasmussen OS, Acta Radiol 1989; 30: 552

ultrasound in degenerative cystic meniscal disease of the knee, De Flaviis L; Scaglione P; Nessi R; et al, Skeletal Radiol 1990; 19: 441

Krypton, radioactive

evaluation method for krypton-81m reservoir administration systems, Janssen AGM; van Weeren FH; de Goeij JJM; et al, J Nucl Med 1989; 30: 650

Kyphosis

See Spine, curvature

L

Lacrimal gland and duct
bilateral congenital lacrimal sac mucoceles with nasal extension, John PR; Boldt D, Pediatr Radiol 1990; **20:** 285
case report: bilateral lacrimal gland enlargement: an unusual manifestation of dacryops, Bradey N; Hayward JM, Clin Radiol 1991; **43:** 280
dacryocystoplasty: an oculoplastic surgeon's perspective, Glatt HJ, Radiology 1991; **180:** 289
dacryocystoplasty: an oculoplastic surgeon's perspective: reply, Munk PL; Lin DTC, Radiology 1991; **180:** 290
ectopic lacrimal gland presenting as an orbital mass in childhood, Guy JR; Quisling RG, AJNR 1989; **10:** S92
epiphora: treatment by means of dacryocystoplasty with balloon dilation of the nasolacrimal drainage apparatus, Munk PL; Lin DTC; Morris DC, Radiology 1990; **177:** 687
radiologic recognition of orbital dacryops, Haik BG; St. Louis L, AJNR 1989; **10:** S89

Lacrimal gland and duct, CT
congenital nasolacrimal mucoceles: CT evaluation, Rand PK; Ball WS Jr; Kulwin DR, Radiology 1989; **173:** 691

Lacrimal gland and duct, radiography
dacryocystography: comparison of water-soluble and oil-based contrast agents, Munk PL; Burhenne LW; Buffam FV; Nugent RA; Lin DTC, Radiology 1989; **173:** 827
evaluation of the lacrimal apparatus with digital subtraction macrodacryocystography, Montecalvo RM; Zegel HG; Barnett FJ; Wulc AE; Piccone MR; Lecky DM; Freiman DB; Turner ML; Drass TA, Radiographics 1990; **10:** 483
reduction of ocular lens dosage in dacrocystography, Jackson A; Hardcastle MP; Shaw A; et al, Clin Radiol 1989; **40:** 615
role of dacryocystography in the management of patients with epiphora, Nixon J; Birchall IWJ; Virjee J, Br J Radiol 1990; **63:** 337
technical report: digital subtraction dacryocystography, King SJ; Haigh SF, Clin Radiol 1990; **42:** 351

Lacrimal gland and duct, radionuclide studies
serial dacryoscintigraphy before and after treatment with pseudoephedrine, Kim CK; Palestro CJ; Solomon RW; et al, Clin Nucl Med 1990; **14:** 734

Laryngectomy
See Larynx, surgery

Laryngocele
imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1
symptomatic external laryngocele in a newborn: findings on plain radiographs and CT scans, Lewis CA; Castillo M; Patrick E; et al, AJNR 1990; **11:** 1002

Larynx
laryngeal edema, following the injection of iohexol into the subarachnoid space, Agildere AM; Haliloglu M; Cila A; et al, Neuroradiol 1991; **33:** 290

Larynx, abnormalities
benign erosion of laryngeal cartilage: report of two cases, Weissman JL; Curtin HD, AJNR 1990; **11:** 1215
case report: complete laryngotracheoesophageal cleft: CT diagnosis and associated abnormalities, Wilkinson AG; Mackenzie S; Hendry GMA, Clin Radiol 1990; **41:** 437
CT findings in benign expansions of the larynx, Aspestrand F; Kolbenstvedt A; Boysen M, JCAT 1989; **13:** 222
use of MRI in the identification of post-traumatic laryngeal deformities, Chui L; Lufkin RB; Hanafee WN, Clin Imag 1990; **14:** 127

Larynx, anatomy
imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1

Larynx, CT
computed tomography in T1 carcinoma of the larynx, Kolbenstvedt A; Charania B; Natvig K; et al, Acta Radiol 1989; **30:** 467
CT appearance of an oncocytic papillary cystadenoma of the larynx, Friedman L; Patel M; Steinberg J; et al, JCAT 1990; **14:** 322
CT evaluation of adult epiglottitis, Walden CA; Rogers LF, JCAT 1989; **13:** 883
CT findings in benign expansions of the larynx, Aspestrand F; Kolbenstvedt A; Boysen M, JCAT 1989; **13:** 222
imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1

Larynx, injuries
use of MRI in the identification of post-traumatic laryngeal deformities, Chui L; Lufkin RB; Hanafee WN, Clin Imag 1990; **14:** 127

Larynx, MR
imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1
laryngeal mucocele: imaging analysis of a rare lesion, Swartz JD; D'Angelo AJ Jr; Harnsberger HR; et al, Clin Imag 1990; **14:** 110
laryngeal ultrasonography in infants and children: pathological findings, Garel C; Hassan M; Legrand I; et al, Pediatr Radiol 1991; **21:** 164
larynx: MR imaging at 2.35 T, Kikinis R; Wolfensberger M; Boesch C; Martin E, Radiology 1989; **171:** 165
magnetic resonance imaging of the larynx, Teresi LM; Lufkin RB; Hanafee WN, Radiol Clin North Am 1989; **27:** 393
MR findings of cartilage invasion by laryngeal cancer: value in predicting outcome of radiation therapy, Castelijns JA; Golding RP; van Schaik C; Valk J; Snow GB, Radiology 1990; **174:** 669
MR imaging of the larynx at 1.5 T, Sakai F; Gamsu G; Dillon WP; et al, JCAT 1990; **14:** 60

Larynx, neoplasms
advanced laryngeal cancer: sonographic assessment, Gritzmann N; Traxler M; Grasl MC; Pavelka R, Radiology 1989; **171:** 171
advanced squamous cell carcinoma of the larynx, Lindeløv B; Hansen HS, Acta Oncol 1990; **29:** 505
cancer of the supraglottic larynx with neck node metastasis treated by radiation therapy only: the revised 1987 UICC classification system as prognostic indicator, Levendag PC; Veeze-Kuijpers B; Knegt PPM; et al, Acta Oncol 1990; **29:** 603
causes of failure of curative radiation therapy in 205 early glottic cancers, Cellai E; Chiavacci A; Olmi P, Int J Radiat Oncol Biol Phys 1990; **19:** 1139
computed tomography in T1 carcinoma of the larynx, Kolbenstvedt A; Charania B; Natvig K; et al, Acta Radiol 1989; **30:** 467
CT appearance of an oncocytic papillary cystadenoma of the larynx, Friedman L; Patel M; Steinberg J; et al, JCAT 1990; **14:** 322
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hyperfractionated radiotherapy in the treatment of squamous cell carcinomas of the supraglottic larynx, Wendt CD; Peters LJ; Ang KK; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1057
hypopharyngeal reconstruction with free microvascular jejunal transfer after total laryngopharyngectomy, Pukander J; Lähteenmäki T; Matikainen M; et al, Acta Oncol 1990; **29:** 525
imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1
immunoscintigraphy in laryngeal and pharyngeal carcinomas using indium-111 labelled monoclonal antibody, Kairemo KJA; Hopsu EVM, Acta Oncol 1990; **29:** 533
improvements observed in care and outcome in carcinoma of the larynx, Lustig RA; Krall JM; Curran WJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 101
irradiation alone for supraglottic larynx carcinoma: can CT findings predict treatment results?, Freeman DE; Mancuso AA; Parsons JT; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 485
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laryngeal chondrosarcoma: CT findings in three patients, Muñoz A; Peñarrocha L; Gallego F; et al, AJR 1990; **154:** 997
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local control in T3 laryngeal cancer treated with radical radiotherapy, time dose relationship: the concept of nominal standard dose and linear quadratic model, Terhaard CHJ; Karim ABMF; Hoogenraad WJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1207
misonidazole combined with split-course radiotherapy in the treatment of invasive carcinoma of larynx and pharynx: report from the DAHANCA 2 study, Overgaard J; Hansen HS; Andersen AP; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1065
MR findings of cartilage invasion by laryngeal cancer: value in predicting outcome of radiation therapy, Castelijns JA; Golding RP; van Schaik C; Valk J; Snow GB, Radiology 1990; **174:** 669
primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267
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primary radiotherapy of T1 squamous cell carcinoma of the larynx: analysis of 478 patients treated from 1963 to 1985, Johansen LV; Overgaard J; Hjelm-Hansen M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1307
rare cause of laryngeal distress: chondrosarcoma of the larynx, Horowitz DR; Perusek MC; Nguyen VD, Comput Med Imag Graph 1991; **15:** 67
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second malignant tumors in patients with laryngeal carcinoma: diagnosis, treatment, and prevention, McDonald S; Haie C; Rubin P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 457
second neoplasms in patients with carcinomas of the vocal cord: incidence and implications for survival, Roberts TJ; Epstein B; Lee D-J, Int J Radiat Oncol Biol Phys 1991; **21:** 583
squamous cell carcinoma of the supraglottic larynx without clinically detectable lymph node metastases: problem of local relapse and influence of overall treatment time, Hoekstra CJM; Levendag PC; van Putten WLJ, Int J Radiat Oncol Biol Phys 1990; **18:** 13
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Larynx, surgery
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imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1

radiological assessment of post laryngectomy speech, McIvor J; Evans PF; Perry A; et al, Clin Radiol 1990; **41:** 312

T1-T2 carcinoma of the glottis: relative hypofractionation, Randall ME; Springer DJ; Raben M, Radiology 1991; **179:** 569

Larynx, therapeutic radiology

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causes of failure of curative radiation therapy in 205 early glottic cancers, Cellai E; Chiavacci A; Olmi P, Int J Radiat Oncol Biol Phys 1990; **19:** 1139

comparison of postoperative techniques for carcinomas of the larynx and hypopharynx using 3-D dose distributions, Sailer SL; Sherouse GW; Chaney EL; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 767

final report of the general clinical results of the British Institute of Radiology fractionation study of 3F/wk *versus* 5F/wk in radiotherapy of carcinoma of the laryngopharynx, Wiernik G; Bates TD; Bleehen NM; et al, Br J Radiol 1990; **63:** 169

first interim progress report on the second British Institute of Radiology Fractionation study: short *versus* long overall treatment times for radiotherapy of carcinoma of the laryngopharynx, Wiernik G; Alcock CJ; Bates TD; et al, Br J Radiol 1989; **62:** 450

glottic laryngeal carcinoma with fixed vocal cord treated with full-dose radiation, total laryngectomy or combined treatment, Sandberg N; Mercke C; Turesson I, Acta Oncol 1990; **29:** 509

hyperfractionated radiotherapy in the treatment of squamous cell carcinomas of the supraglottic larynx, Wendt CD; Peters LJ; Ang KK; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1057

improvements observed in care and outcome in carcinoma of the larynx, Lustig RA; Krall JM; Curran WJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 101

irradiation alone for supraglottic larynx carcinoma: can CT findings predict treatment results?, Freeman DE; Mancuso AA; Parsons JT; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 485

local control in T3 laryngeal cancer treated with radical radiotherapy, time dose relationship: the concept of nominal standard dose and linear quadratic model, Terhaard CHJ; Karim ABMF; Hoogenraad WJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1207

misonidazole combined with split-course radiotherapy in the treatment of invasive carcinoma of larynx and pharynx: report from the DAHANCA 2 study, Overgaard J; Hansen HS; Andersen AP; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1065

MR findings of cartilage invasion by laryngeal cancer: value in predicting outcome of radiation therapy, Castelijns JA; Golding RP; van Schaik C; Valk J; Snow GB, Radiology 1990; **174:** 669

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

primary irradiation, surgery or combined therapy in squamous cell carcinoma of the larynx: a comparison of treatment results from two centers, Vermund H; Boysen M; Brandenburg JH; et al, Acta Oncol 1990; **29:** 489

primary radiotherapy for glottic laryngeal carcinoma stage I and II: a retrospective study with special regard to failure patterns, Turesson I; Sandberg N; Mercke C; et al, Acta Oncol 1991; **30:** 357

primary radiotherapy of T1 squamous cell carcinoma of the larynx: analysis of 478 patients treated from 1963 to 1985, Johansen LV; Overgaard J; Hjelm-Hansen M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1307

radiation therapy for early glottic cancer (T1N0M0): I. results of conventional open field technique, Teshima T; Chatani M; Inoue T, Int J Radiat Oncol Biol Phys 1989; **17:** 1199

re-analysis of the time factor in local control by radiotherapy of T_3T_4 squamous cell carcinoma of the larynx, Lindstrom MJ; Fowler JF, Int J Radiat Oncol Biol Phys 1991; **21:** 813

role of computed tomography and coronal plane tomography in radiotherapy for laryngeal cancers, Dawes PJDK; Patrick D; Hall K, Br J Radiol 1989; **62:** 729

role of radiotherapy in *in-situ* carcinoma of the larynx, MacLeod PM; Daniel F, Int J Radiat Oncol Biol Phys 1990; **18:** 113

squamous cell carcinoma of the supraglottic larynx without clinically detectable lymph node metastases: problem of local relapse and influence of overall treatment time, Hoekstra CJM; Levendag PC; van Putten WLJ, Int J Radiat Oncol Biol Phys 1990; **18:** 13

stage T1 glottic carcinoma: results of radiation therapy or laser excision, Epstein BE; Lee D-J; Kashima H; Johns ME, Radiology 1990; **175:** 567

T1-T2 carcinoma of the glottis: relative hypofractionation, Randall ME; Springer DJ; Raben M, Radiology 1991; **179:** 569

three-dimensional photon treatment planning in carcinoma of the larynx, Coia L; Galvin J; Sontag M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 183

Larynx, US

advanced laryngeal cancer: sonographic assessment, Gritzmann N; Traxler M; Grasl MC; Pavelka R, Radiology 1989; **171:** 171

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Lasers

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animal model for fluoroscopically guided laser application in the biliary tree, Dachman AH; McGehee JA; Beam TE; Venbrux AC; Hoyt RF; Burris JA, Radiology 1990; **174:** 1021

atherosclerotic rabbit iliac arteries: comparison of balloon angioplasty and laser-assisted balloon angioplasty, Consigny PM; Gardiner GA Jr, JVIR 1991; **2:** 253

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clinical utility of laser recanalization in occluded peripheral arteries, Bonn J, Radiology 1991; **178:** 323

CO_2 gas perfusion: improved efficiency and safety with sapphire-probe laser ablation of human artery, Yang XM; Manninen H; Naukkarinen A; Ji H; Kankkunen JP; Suhonen M; Soimakallio S, JVIR 1991; **2:** 159

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comparison of balloon angioplasty and laser thermal angioplasty in the treatment of femoropopliteal atherosclerotic disease: initial results of a prospective randomized trial: work in progress, Spies JB; LeQuire MH; Brantley SD; Williams JE; Beckett WC; Mills JL, JVIR 1990; **1:** 39

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embolization hazard of laser hot-tip catheters and coated guidewires, Delcour C; Gusella P; Richoz B; et al, Br J Radiol 1990; **63:** 76

endoscopic laser lithotripsy of large bile duct stones, (ab), Cotton PB; Kozarek RA; Schapiro RH; et al, Radiology 1991; **179:** 588

gallstones: fragmentation with a tunable dye laser and dissolution with methyl tert-butyl ether in vitro, Faulkner DJ; Kozarek RA, Radiology 1989; **170:** 185

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initial results of laser recanalization in lower-extremity arterial reconstruction, (ab), Seeger JM; Abela GS; Silverman SH; et al, Radiology 1989; **172:** 887

initial trial of argon ion laser endarterectomy for peripheral vascular disease, (ab), Eugene J; Ott RA; Baribeau Y; et al, JVIR 1991; **2:** 290

installation requirements for an argon laser angioplasty system, Smithson PH; Jeans WD; Murphy P, Br J Radiol 1989; **62:** 71

laser angioplasty: results of a prospective, multicenter study at 3-year follow-up, Lammer J; Pilger E; Karnel F; Schurawitzki H; Horvath W; Riedl M; Umek H; Klein GE; Schreyer H; Kretschmer G; Haidinger D; Partsch H, Radiology 1991; **178:** 335

laser-induced thermal occlusion of berry aneurysms: initial experimental results, O'Reilly GV; Forrest MD; Schoene WC; Clarke RH, Radiology 1989; **171:** 471

laserlithotripsy of common bile duct stones, (ab), Ell C; Lux G; Hochberger J; et al, Radiology 1989; **170:** 581

laser ring catheters in excimer laser angioplasty, Duda SH; Karsch KR; Haase KK; Huppert PE; Claussen CD, Radiology 1990; **175:** 269

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laserthermia: new method of interstitial local hyperthermia using the contact Nd:YAG laser, Joffe SN; Tajiri H; Oguro Y; et al, Radiol Clin North Am 1989; **27:** 611

near-monochromatic x-ray beams produced by the free electron laser and Comptom backscatter, Carroll FE; Waters JW; Price RR; et al, Invest Radiol 1990; **25:** 465

on research, training, politico-economics, and radiology, Davis DO, Radiology 1989; **171:** 319

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

percutaneous excimer-laser and excimer-laser–assisted angioplasty of the lower extremities: results of initial clinical trial, Litvack F; Grundfest WS; Adler L; Hickey AE; Segalowitz J; Hestrin LB; Mohr FW; Goldenberg T; Laudenslager JS; Forrester JS, Radiology 1989; **172:** 331

percutaneous pulsed-dye laser lithotripsy of gallbladder stones in swine, Kopecky KK; Hawes RH; Bogan ML; et al, Invest Radiol 1990; **25:** 627

percutaneous transluminal laser angioplasty: progress over the past two years, Yang XM; Manninen H; Soimakallio S, Acta Radiol 1990; **31:** 3

peripheral arterial obstructions: analysis of patency 1 year after laser-assisted transluminal angioplasty, Nordstrom LA; Castaneda-Zuniga WR; Von Seegern KB, Radiology 1991; **181:** 515

prospective randomized trials of laser angioplasty, Hartnell GG, JVIR 1991; **2:** 285

prospective randomized trials of laser angioplasty: reply, Spies JB, JVIR 1991; **2:** 285

radiological laser film scanner sampling artifact, Ishimitsu Y; Arai K; Taira RK; et al, Comput Med Imag Graph 1990; **14:** 25

response. peripheral laser angioplasty: need for organized clinical trials, Sanborn TA; Greenfield AJ, Radiology 1989; **172:** 943

response to and control of destructive energy by magnetic resonance, Jolesz FA; Moore GJ; Mulkern RV; et al, Invest Radiol 1989; **24:** 1024

SCVIR position statement on thermal laser angioplasty, Society of Cardiovascular and Interventional Radiology, Radiology 1989; **172:** 944

stage T1 glottic carcinoma: results of radiation therapy or laser excision, Epstein BE; Lee D-J; Kashima H; Johns ME, Radiology 1990; **175:** 567

technical success, clinical success, and patency in laser angioplasty, Sanborn TA, Radiology 1989; **170:** 576

technical success, clinical success, and patency in laser angioplasty: reply, Nordstrom LA, Radiology 1989; 170: 577
technical success, clinical success, and patency in laser angioplasty, Jeans WD, Radiology 1989; 173: 572
thermal laser-induced stenosis of the common bile duct: an alternative model for experimental research, Vorwerk D; Günther RW; Kuepper W; et al, Invest Radiol 1989; 24: 758
total peripheral artery occlusions: conventional versus laser thermal recanalization with a hybrid probe in percutaneous angioplasty—results of a randomized trial, Belli A-M; Cumberland DC; Procter AE; Welsh CL, Radiology 1991; 181: 57
transhepatic laser lithotripsy of choledocholithiasis: initial clinical experience, Sullivan KL; Bagley DH Jr; Gordon SJ; Soulen MC; Grasso M; Bonn J; Shapiro MJ, JVIR 1991; 2: 387
US-guided percutaneous laser ablation of liver tissue in a chronic pig model, Dachman AH; McGehee JA; Beam TE; Burris JA; Powell DA, Radiology 1990; 176: 129
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value of laser-assisted angioplasty in the community hospital, Diethrich EB, Radiology 1989; 173: 877
value of laser-assisted angioplasty in the community hospital: reply, Hessel SJ; Levy JM; Dickey JE; Horsley WW; Cook GC, Radiology 1989; 173: 877
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vascular tissue ablation by an erbium-YAG laser: a fiber-transmittable pulsed laser in the infrared range, Vorwerk D; Zolotas G; Hessel S; et al, Invest Radiol 1990; 25: 235
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Legionnaires' disease
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hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Cohen HL; Haller JO, Radiology 1991; 179: 877

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imaging-directed percutaneous biopsies with a biopsy gun, Burbank F, Radiology 1990; 176: 286

imaging-directed percutaneous biopsies with a biopsy gun: reply, Parker SH; Hopper KD; Yakes WF; Ownbey JL; Carter TE; Gibson MD, Radiology 1990; 176: 286

imaging of colorectal carcinoma, Charnley RM, Radiology 1990; 174: 283

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interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; 178: 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; 178: 889

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letter to the editor, Abdel-Dayem HM; Elgazzar AH, Radiographics 1989; 9: 650

lightening dark radiographs, Kumar R; Saha MM, Radiology 1991; 178: 583

longitudinal stress fractures of the tibia: diagnosis with CT, Goupille P; Giraudet-Le Quintrec J-S; Job-Deslandre C; Menkes C-J, Radiology 1989; 171: 583

lymphadenopathy in primary biliary cirrhosis: CT observations, Kathrein H; Judmaier G; Vogel W, Radiology 1990; 175: 285

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mammography in women 35 years of age and younger, Freundlich IM, Radiology 1991; 181: 288

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; 181: 288

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Friedman D, Radiology 1991; 181: 605

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Monsein LH, Radiology 1991; 181: 605

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measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; 173: 572

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mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Ranade SS; Trivedi PN; Bamane VS, Radiology 1990; 174: 284

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Glazer GM; Orringer MB; Chenevert TL, Radiology 1990; 174: 285

medical audit of a rapid-throughput mammography screening practice, Beijerinck D; Borsje K; Peeters P; Rombach JJ, Radiology 1991; 178: 285

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medical malpractice claims in diagnostic radiology: update, Dahlen RT; Foley HT, Radiology 1989; 170: 277

medullary carcinoma of the breast, Kopans DB; Rubens J, Radiology 1989; 171: 876

meningioma subtypes: MR and PET features, Di Chiro G, Radiology 1989; 172: 578

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metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP, Radiology 1990; 177: 883

method of euthanasia in animal study, Gregory SP; Waterman AE; Weaver BMQ, Radiology 1991; 179: 288

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mixed form, diffusely scattered calcifications in breast cancer with apocrine features, Homer MJ; Safaii H, Radiology 1991; 179: 586

monitoring sedated pediatric patients during MR imaging, Shellock FG, Radiology 1990; 177: 586

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MR imaging of transient osteoporosis, Leonidas JC, Radiology 1989; 170: 281

MR imaging of transient osteoporosis: reply, Bloem JL, Radiology 1989; 170: 281

musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Fletcher BD; Hanna SL, Radiology 1990; 177: 287

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myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Spiegler EJ, Radiology 1990; 175: 877
myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress: reply, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE, Radiology 1990; 175: 877
needle localization of nonpalpable breast lesions with current dedicated mammographic systems, Yagan R; Wiesen E; Skubic S; Bellon EM, Radiology 1989; 172: 580
newer interventional procedures for treatment of cholecystolithiasis, Gleeson MJ; Griffith DP, Radiology 1989; 172: 285
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"nonspecific gas pattern", Bohrer SP, Radiology 1989; 173: 283
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oblique sagittal MR imaging of the anterior cruciate ligament, Engeler C; Miller S; Ochsner EG, Radiology 1991; 178: 890
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percutaneous transjejunal access to the biliary system, Gibson RN; Collier NA; Speer AG, Radiology 1990; 175: 286
percutaneous US needle localization of occult breast lesions, Jackson FI; Terry TJ, Radiology 1989; 171: 286
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renal cell carcinoma: earlier discovery and increased detection, Black WC; Dwyer AJ, Radiology 1990; 174: 280
renal cell carcinoma: earlier discovery and increased detection: reply, Bosniak MA; Megibow AJ; Raghavendra BN; Hulnick DH; Horii SC; Smith SJ, Radiology 1990; 174: 280
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shear stress in the performance of esophageal dilation: comparison of balloon dilation and bougienage: reply, McLean GK; LeVeen RF, Radiology 1990; 175: 879
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zones of increased perfusion (hot spots) on perfusion lung scans: reply, Strauss HW, Radiology 1990; 175: 286

Leukemia

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florid radiological appearance of megakaryoblastic leukaemia—an aid to earlier diagnosis, Moody A; Simpson E; Shaw D, Pediatr Radiol 1989; 19: 486

leukemic infiltrates of the heart: CT findings, McAdams HP; Schaefer PS; Ghaed VN, JCAT 1989; 13: 525

malignant lymphoma: bone marrow imaging versus biopsy, Linden A; Zankovich R; Theissen P; Diehl V; Schicha H, Radiology 1989; 173: 335

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Leukemia, complications

metaphyseal impaction fractures in acute lymphoblastic leukemia, Manson D; Martin RF; Cockshott WP, Skeletal Radiol 1989; 17: 561

unusual combination of an appendicolith in a leukemic patient with typhlitis—ultrasound diagnosis, Rodgers B; Seibert JJ, JCU 1990; 18: 191

Leukemia, in infants and children

case report: CT demonstration of pituitary stalk relapse in childhood acute lymphoblastic leukaemia, Tilley E; Ryalls MR; Williams MP, Clin Radiol 1989; 40: 634

changes in T_1 relaxation processes in the bone marrow following treatment in children with acute lymphoblastic leukemia: a magnetic resonance imaging study, Jensen KE; Thomsen C; Henriksen O; et al, Pediatr Radiol 1990; 20: 464

hyperechoic renal cortical masses: an unusual sonographic presentation of acute lymphoblastic leukemia in a child, Jayagopal S; Cohen HL; Bhagat J; et al, JCU 1991; 19: 425

infant with lethargy, failure to thrive, and abnormal blood smear, Morris CS; Lough LR; Weinberger E, Invest Radiol 1990; 25: 1054

intraorbital tumor as the initial symptom of childhood acute lymphoblastic leukemia: magnetic resonance imaging findings, Yuh WTC; Flickinger FW; Willekes CL; et al, Clin Imag 1990; 14: 120

metaphyseal impaction fractures in acute lymphoblastic leukemia, Manson D; Martin RF; Cockshott WP, Skeletal Radiol 1989; 17: 561

MRI of the knee region in leukemic children: part I. initial pattern in patients with untreated disease, Bohndorf K; Benz-Bohm G; Gross-Fengels W; et al, Pediatr Radiol 1990; 20: 179

MRI of the knee region in leukemic children: part II. follow up: responder, non-responder, relapse, Benz-Bohm G; Gross-Fengels W; Bohndorf K; et al, Pediatr Radiol 1990; 20: 272

photopenic areas on bone scanning associated with childhood leukemia, Morrison SC; Adler LP, Clin Nucl Med 1991; 16: 24

transient white matter changes on MR images in children undergoing chemotherapy for acute lymphocytic leukemia: correlation with neuropsychologic deficiencies, Wilson DA; Nitschke R; Bowman ME; Chaffin MJ; Sexauer CL; Prince JR, Radiology 1991; 180: 205

Leukemia, lymphocytic

prolonged T1 relaxation of the hemopoietic bone marrow in patients with chronic leukemia, Jensen KE; Sørensen PG; Thomsen C; et al, Acta Radiol 1990; 31: 445

study of splenic irradiation in chronic lymphocytic leukemia, Guiney MJ; Liew KH; Quong GG; et al, Int J Radiat Oncol Biol Phys 1989; 16: 225

transient white matter changes on MR images in children undergoing chemotherapy for acute lymphocytic leukemia: correlation with neuropsychologic deficiencies, Wilson DA; Nitschke R; Bowman ME; Chaffin MJ; Sexauer CL; Prince JR, Radiology 1991; 180: 205

Leukemia, myelogenous

bone marrow transplantation: clinical and radiologic aspects, Patzik SB; Smith C; Kubicka RA; Kaizer H, Radiographics 1991; 11: 601

influence of the fractionation of total body irradiation on complications and relapse rate for chronic myelogenous leukemia, Socie G; Devergie A; Girinsky T; et al, Int J Radiat Oncol Biol Phys 1991; 20: 397

multiple spinal granulocytic sarcomas simulating neurofibromatosis, Eelkema E; Johnson DW; Latchaw RE, AJNR 1989; 10: 542

splenic accumulation of technetium-99m-methylene diphosphonate in a transfusion-dependent patient with chronic myelogenous leukemia, Franceschi D; Nagel JS; Holman BL, J Nucl Med 1990; 31: 1552

total body irradiation in acute myeloid leukemia and chronic myelogenous leukemia: influence of dose and dose-rate on leukemia relapse, Scarpati D; Frassoni F; Vitale V; et al, Int J Radiat Oncol Biol Phys 1989; 17: 547

Leukemia, therapeutic radiology

brain damage after treatment for acute lymphoblastic leukemia: a report on 34 patients with special regard to MRI findings, Biti GP; Magrini SM; Villari N; et al, Acta Oncol 1989; 28: 253

comparison of two total body irradiation regimens in allogeneic bone marrow transplantation for acute non-lymphoblastic leukemia in first remission, Kim TH; McGlave PB; Ramsay N; et al, Int J Radiat Oncol Biol Phys 1990; 19: 889

post-remission therapy in acute myeloblastic leukemia: a randomized trial comparing early consolidation plus maintenance versus maintenance therapy alone, Maldonado J; Gardella S; Fernandez JMR; et al, Acta Oncol 1989; 28: 223

study of splenic irradiation in chronic lymphocytic leukemia, Guiney MJ; Liew KH; Quong GG; et al, Int J Radiat Oncol Biol Phys 1989; 16: 225

Leukemia, therapy

fractionated total body irradiation and bone marrow transplantation in acute lymphoblastic leukemia, Altschuler C; Resbeut M; Blaise D; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1151

inhibitory effect of bestatin on the growth of human leukemic cells, Sakurada K; Imamura M; Kobayashi M; et al, Acta Oncol 1990; 29: 799

magnetic resonance imaging of the bone marrow in patients with acute leukemia during and after chemotherapy: changes in T1 relaxation, Jensen KE; Sørensen PG; Thomsen C; et al, Acta Radiol 1990; 31: 361

marrow repopulation after bone marrow transplantation, Smith SR; Roberts N; Edwards RHT, Radiology 1991; 178: 581

post-remission therapy in acute myeloblastic leukemia: a randomized trial comparing early consolidation plus maintenance versus maintenance therapy alone, Maldonado J; Gardella S; Fernandez JMR; et al, Acta Oncol 1989; 28: 223

repopulation of marrow after transplantation: MR imaging with pathologic correlation, Stevens SK; Moore SG; Amylon MD, Radiology 1990; 175: 213

thermal sensitivity and thermal tolerance of human B-lineage acute lymphoblastic leukemia (ALL) cells, Min WS; Song CW; Uckun FM, Int J Radiat Oncol Biol Phys 1990; 18: 147

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Leukocytes

anaphylactoid reaction associated with the use of $^{99}Tc^{m}$ hexamethyl propylene amine oxime as a leukocyte labelling agent, Giaffer MH; Tindale WB; Senior S; et al, Br J Radiol 1991; 64: 625

appearance of acute gouty arthritis on indium-111-labeled leukocyte scintigraphy, Palestro CJ; Vega A; Kim CK; et al, J Nucl Med 1990; 31: 682

appearance of fibrous dysplasia on In-111 labeled leukocyte scintigraphy, Swyer AJ; Palestro CJ; Kim CK; et al, Clin Nucl Med 1991; **16:** 133

case report: deep venous thrombosis diagnosed on indium-111 labelled white cell scanning, Carvalho P; Banerjee AK; Cheah FK; et al, Clin Radiol 1991; **43:** 276

clinical comparison of $^{99}Tc^{m}$-HMPAO labelled leucocytes and $^{99}Tc^{-m}$-nanocolloid in the detection of inflammation, Vorne M; Lantto T; Paakkinen S; et al, Acta Radiol 1989; **30:** 633

comparison of technetium-99m-HM-PAO leukocytes with indium-111-oxine leukocytes for localizing intraabdominal sepsis, Mountford PJ; Kettle AG; O'Doherty MJ; et al, J Nucl Med 1990; **31:** 311

complementary role of computerised tomography and indium-111 labelled leucocytes in the management of sepsis, O'Neill H; Stack JP; Malone LA; et al, Eur J Radiol 1989; **9:** 134

early and delayed indium 111 leukocyte imaging in Crohn's disease, (ab), Navab F; Boyd CM; Diner WC; et al, Radiology 1989; **170:** 899

granulocyte chemotaxis: chemoattractive properties of a synthetic tripeptide are inhibited by radiographic contrast media, Rasmussen F; Georgsen J; Pedersen JO, Acta Radiol 1989; **30:** 93

imaging inflammation with $^{99}Tc^{m}$ HMPAO labelled leucocytes, Reynolds JH; Graham D; Smith FW, Clin Radiol 1990; **42:** 195

imaging of intrathoracic disease with indium 111-labeled leukocytes, Oates E; Ramberg K, J Thorac Imag 1990; **5-3:** 78

imaging with white cells, Peters AM, Clin Radiol 1989; **40:** 453

immunoscintigraphy of inflammatory processes with a technetium-99m-labeled monoclonal antigranulocyte antibody (MAb BW 250/183), Lind P; Langsteger W; Költringer P; et al, J Nucl Med 1990; **31:** 417

improving diagnosis of appendicitis: early autologous leukocyte scanning, (ab), DeLaney AR; Raviola CA; Weber PN; et al, Radiology 1990; **175:** 289

In-111 labeled leukocyte and Ga-67 scintigraphy in cytomegalovirus colitis, Palestro CJ; Kim CK; Needle LB; et al, Clin Nucl Med 1990; **15:** 848

In-111 labeled leukocyte scintigraphy in a case of multifocal candidiasis, Palestro CJ; Vega A; Kim CK; et al, Clin Nucl Med 1990; **15:** 392

In-111 labeled leukocyte uptake in metastatic melanoma, Staudinger KM; Oates E; Naber SP, Clin Nucl Med 1989; **14:** 626

incidental skeletal metastases detected by Tc-99m HMPAO leukocyte scanning, Powe JE; Babensee S; Pavlosky WF; et al, Clin Nucl Med 1990; **15:** 656

indium-111-labeled leukocyte and technetium-99m-sulfur colloid uptake by a malignant fibrous histiocytoma: phagocytosis by tumor cells?, Palestro CJ; Klein M; Kim CK; et al, J Nucl Med 1990; **31:** 1548

indium-111-labeled leukocyte scan in detection of synthetic vascular graft infection: the effect of antibiotic treatment, Chung CJ; Hicklin OA; Payan JM; et al, J Nucl Med 1991; **32:** 13

indium-111-labeled leukocyte scintigraphy in hemodialysis access-site infection, Palestro CJ; Vega A; Kim CK; et al, J Nucl Med 1990; **31:** 319

indium-111 white blood cell scans: sensitivity, specificity, accuracy, and normal patterns of distribution, Guze BH; Webber MM; Hawkins RA; et al, Clin Nucl Med 1990; **15:** 8

indium labelled leucocyte scanning in pyrexia of unknown origin, MacSweeney JE; Peters AM; Lavender JP, Clin Radiol 1990; **42:** 414

indium labelled leucocyte scintigraphy in occult infection: a comparison with ultrasound and computed tomography, Baldwin JE; Wraight EP, Clin Radiol 1990; **42:** 199

in vitro and in vivo evaluation of granulocyte labeling with [^{99m}Tc]d,1-HM-PAO, Mortelmans L; Malbrain S; Stuyck J; et al, J Nucl Med 1989; **30:** 2022

in vivo viability of ^{111}In-labelled granulocytes demonstrated in a sham-dialysis model, Becker W; Schaefer RM; Börner W, Br J Radiol 1989; **62:** 463

lumbar puncture: potential pitfall in In-111 labeled leukocyte scintigraphy, Palestro CJ; Lee SO; Kim CK; et al, Clin Nucl Med 1991; **16:** 58

multifocal skeletal uptake of labeled leukocytes: infection versus tumor metastasis, Wahner-Roedler DL, J Nucl Med 1990; **31:** 1543

positive indium-111 leukocyte image following antigenic stimulation in a 15-month-old female child, Walton AJ; Czarnecki DJ, Clin Nucl Med 1989; **14:** 70

preparation and evaluation of a ^{99m}Tc-SnF_2 colloid kit for leukocyte labeling, Hirsch JI; Tatum JL; Fratkin MJ; et al, J Nucl Med 1989; **30:** 1257

role of In-111 labeled leukocyte scintigraphy in the diagnosis of intracerebral lesions, Palestro CJ; Swyer AJ; Kim CK; et al, Clin Nucl Med 1991; **16:** 305

role of indium-labelled leukocyte imaging in pyrexia of unknown origin, Davies SG; Garvie NW, Br J Radiol 1990; **63:** 850

significance of nodal uptake on indium 111 labeled leukocyte scans, Oates E; Staudinger KM; Gilbertson V, Clin Nucl Med 1989; **14:** 282

Tc-99m HMPAO labeled donor leukocyte scan in liver transplant, Erbaş B; Erbengi G; Haberal M, Clin Nucl Med 1991; **16:** 495

Tc-99m HMPAO leukocyte uptake in articular gout, Herrmann T; Granjon D; Loboguerrero A; et al, Clin Nucl Med 1991; **16:** 457

Tc-99m labeled leukocytes in imaging of patients with suspected acute abdominal inflammation, Laitinen R; Tähtinen J; Lantto T; et al, Clin Nucl Med 1990; **15:** 597

Tc-99m white cell scintigraphy in suspected acute infection, Southee AE; Lee KJ; McLaughlin AF; et al, Clin Nucl Med 1990; **15:** 71

unusual pattern of indium-111 leukocyte distribution in a patient with widespread infection, Fawcett MA; Fawcett HD, Clin Nucl Med 1989; **14:** 292

Leukoencephalopathy

See Brain, diseases

Leukomalacia

extensive cystic leucomalacia: correlation of cranial ultrasound, magnetic resonance imaging and clinical findings in sequential studies, de Vries LS; Dubowitz LMS; Pennock JM; et al, Clin Radiol 1989; **40:** 158

fetal intracranial hemorrhage and periventricular leukomalacia: complications of twin-twin transfusion, Hurst RW; Abbitt PL, AJNR 1989; **10:** S62

MR imaging of periventricular leukomalacia in childhood, Flodmark O; Lupton B; Li D; et al, AJNR 1989; **10:** 111

prediction of neurodevelopmental outcome in the preterm infant: MR-staged myelination compared with cranial US, Guit GL; van de Bor M; den Ouden L; Wondergem JHM, Radiology 1990; **175:** 107

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US, Algra PR; Barkhof F; Valk J, Radiology 1990; **177:** 885

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US: reply, Guit GL; van de Bor M, Radiology 1990; **177:** 885

value of sonography in the diagnosis of intracranial hemorrhage and periventricular leukomalacia: a postmortem study of 35 cases, Carson SC; Hertzberg BS; Bowie JD; et al, AJNR 1990; **11:** 677

value of sonography in the diagnosis of intracranial hemorrhage and periventricular leukomalacia: a postmortem study of 35 cases, Carson SC; Hertzberg BS; Bowie JD; et al, AJR 1990; **155:** 595

Ligaments

Tc-99m MDP bone imaging in inflammatory enthesopathy, Aburano T; Yokoyama K; Taki J; et al, Clin Nucl Med 1990; **15:** 105

Ligaments, cruciate

See Knee, ligaments and menisci

Ligaments, hepatoduodenal

See Ligaments, peritoneal

Ligaments, injuries

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; **180:** 245

contained bile leak secondary to falciform ligament tear demonstrated by hepatobiliary imaging, Toney MAO; Moreno AJ; Rodriguez AA; et al, Clin Nucl Med 1991; **16:** 182

coracoclavicular and coracoacromial ligament calcification and ossification, Chen YM; Bohrer SP, Skeletal Radiol 1990; **19:** 263

dorsal lunate tilt (DISI configuration): sign of scaphoid fracture displacement, Smith DK; Gilula LA; Amadio PC, Radiology 1990; **176:** 497

graded stress radiography in acute injury to the lateral ligaments of the ankle, Rijke AM; Vierhout PA, Acta Radiol 1990; **31:** 151

ligaments of the lateral aspect of the ankle and sinus tarsi: an MR imaging study, Beltran J; Munchow AM; Khabiri H; Magee DG; McGhee RB; Grossman SB, Radiology 1990; **177:** 455

MR imaging of the peroneal tunnel, Zeiss J; Saddemi SR; Ebraheim NA, JCAT 1989; **13:** 840

reference to dorsal intercalated segment instability in the literature, McNiesh LM, Radiology 1991; **180:** 879

reference to dorsal intercalated segment instability in the literature: reply, Smith DK; Gilula LA; Amadio PC, Radiology 1991; **180:** 879

technetium-99m hydroxymethylene diphosphonate scanning of acute injuries to the lateral ligaments of the ankle, Maurice HD; Watt I, Br J Radiol 1989; **62:** 31

ultrasonography in the detection of partial patellar ligament ruptures (jumper's knee), Kälebo P; Swärd L; Karlsson J; et al, Skeletal Radiol 1991; **20:** 285

Ligaments, MR

acute and chronic tears of the anterior cruciate ligament: differential features at MR imaging, Vahey TN; Broome DR; Kayes KJ; Shelbourne KD, Radiology 1991; **181:** 251

anterior cruciate ligament reconstruction: evaluation with MR imaging, Rak KM; Gillogly SD; Schaefer RA; Yakes WF; Liljedahl RR, Radiology 1991; **178:** 553

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; **180:** 245

double-blind assessment of the value of magnetic resonance imaging in the diagnosis of anterior cruciate and meniscal lesions, (ab), Glashow JL; Katz R; Schneider M; et al, Radiology 1989; **173:** 293

is MR better than arthrography for evaluating the ligaments of the wrist? in vitro study, Gundry CR; Kursunoglu-Brahme S; Schwaighofer B; et al, AJR 1990; **154:** 337

ligaments of the lateral aspect of the ankle and sinus tarsi: an MR imaging study, Beltran J; Munchow AM; Khabiri H; Magee DG; McGhee RB; Grossman SB, Radiology 1990; **177:** 455

MR imaging of anterior cruciate ligament repair, Moeser P; Bechtold RE; Clark T; et al, JCAT 1989; **13:** 105

MR imaging of the peroneal tunnel, Zeiss J; Saddemi SR; Ebraheim NA, JCAT 1989; **13:** 840

spinal cord compression due to ossification of ligaments: MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Yoshizumi K; Oguni T; Kojima R, Radiology 1990; **175:** 843

unimpinged and impinged anterior cruciate ligament grafts: MR signal intensity measurements, Howell SM; Berns GS; Farley TE, Radiology 1991; **179:** 639

Ligaments, peritoneal

contained bile leak secondary to falciform ligament tear demonstrated by hepatobiliary imaging, Toney MAO; Moreno AJ; Rodriguez AA; et al, Clin Nucl Med 1991; **16:** 182

exophytic spread of hepatobiliary disease via perihepatic ligaments: demonstration with CT and US, Mori H; Aikawa H; Hirao K; Futagawa S; Fukuda T; Maeda H; Hayashi K, Radiology 1989; 172: 41

exophytic spread of hepatobiliary disease via perihepatic ligaments, Oliphant M; Berne AS, Radiology 1989; 173: 879

gastrohepatic ligament fibrosis following esophageal sclerotherapy: CT findings, Foster GS; Rosencranz M, JCAT 1989; 13: 136

ultrasound examination of lymph nodes in the hepatoduodenal ligament, Lyttkens K; Forsberg L; Hederström E, Br J Radiol 1990; 63: 26

Ligaments, pulmonary

right phrenic nerve: anatomy, CT appearance, and differentiation from the pulmonary ligament, Berkmen YM; Davis SD; Kazam E; Auh YH; Yankelevitz D; Girgis FG, Radiology 1989; 173: 43

Ligaments, spinal

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; 180: 245

deposition of calcium pyrophosphate dihydrate crystals in the ligamentum flavum: evaluation with MR imaging and CT, Brown TR; Quinn SF; D'Agostino AN, Radiology 1991; 178: 871

spinal cord compression due to ossification of ligaments: MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Yoshizumi K; Oguni T; Kojima R, Radiology 1990; 175: 843

Linear accelerators

design of metallic electron beam cones for an intraoperative therapy linear accelerator, Hogstrom KR; Boyer AL; Shiu AS; et al, Int J Radiat Oncol Biol Phys 1990; 18: 1223

estimation of complications for linear accelerator radiosurgery with the integrated logistic formula, Flickinger JC; Schell MC; Larson DA, Int J Radiat Oncol Biol Phys 1990; 19: 143

neutron and gamma ray measurements carried out around a Varian Clinac 2500 linear accelerator, Beckham WA, Br J Radiol 1990; 63: 298

peripheral doses of two linear accelerators employing universal wedges, McParland BJ, Br J Radiol 1990; 63: 295

quality assurance in stereotactic radiosurgery using a standard linear accelerator, Tsai J-S; Buck BA; Svensson GK; et al, Int J Radiat Oncol Biol Phys 1991; 21: 737

role of stereotactic radiosurgery with a linear accelerator in treatment of intracranial arteriovenous malformations and tumors in children, (ab), Loeffler JS; Rossitch E Jr; Siddon RL; et al, Radiology 1990; 177: 598

small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ, Radiology 1990; 176: 563

stereotactic radiosurgery for intracranial arteriovenous malformations using a standard linear accelerator, Loeffler JS; Alexander E III; Siddon RL; et al, Int J Radiat Oncol Biol Phys 1989; 17: 673

variation of wedge factors with field size on a linear accelerator, Thomas SJ, Br J Radiol 1990; 63: 355

Linitis plastica

See Adenocarcinoma

Lipiodol

See Contrast media, fatty acid

Lipoblastoma

case report 675, Ehara S; Tokunaga S; Monma N; et al, Skeletal Radiol 1991; 20: 319

case report: mediastinal lipoblastoma of infancy, Whyte AM; Powell N, Clin Radiol 1990; 42: 205

from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; 11: 81

lipoblastoma and lipoblastomatosis: a report of six cases, (ab), Mahour GH; Bryan BJ; Isaacs H Jr, Radiology 1989; 170: 904

pediatric case of the day, Seidel FG; Magill HL; Burton EM; Boulden TF; Brooks MT; Hanna SL, Radiographics 1990; 10: 728

Lipodystrophy

scintigraphic findings in congenital lipodystrophy, Yip T-CK; Houle S; Griffiths HJ, Clin Nucl Med 1989; 14: 28

Lipogranulomatosis

cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Tien RD; Brasch RC; Jackson DE; Dillon WP, Radiology 1989; 172: 791

MR of diabetes insipidus in a patient with Erdheim-Chester disease: case report, Tien RD; Kucharczyk J; Newton TH; et al, AJNR 1990; 11: 1267

Lipoma and lipomatosis

abdominal wall lipoma—CT and MRI appearance, Bloom RA; Gomori JM; Fields SI; et al, Comput Med Imag Graph 1991; 15: 37

angiomyolipoma arising in the renal sinus: a difficult radiologic diagnosis, Zagoria RJ; Dyer RB; McCullough DL, Urol Radiol 1989; 11: 139

angiomyolipoma: postembolization liquefaction and percutaneous drainage, Edelman MA; Mitty HA; Dan SJ; et al, Urol Radiol 1990; 12: 145

aspiration biopsy in renal angiomyolipoma, Taavitsainen M; Krogerus L; Rannikko S, Acta Radiol 1989; 30: 381

atypical appearance of lipomatous tumors on MR images: high signal intensity with fat-suppression STIR sequences, Murphy WD; Hurst GC; Duerk JL; Feiglin DH; Christopher M; Bellon EM, JMRI 1991; 1: 477

case of cystitis glandularis with associated pelvic lipomatosis: ultrasound evaluation, Duffis AW; Weinberg B; Diakoumakis EE, JCU 1990; 18: 733

case of the month: hour-glass lipoma, Trigaux J-PP; Van Beers BE; Weynants P, Br J Radiol 1990; 63: 497

case report 553, Jones JG; Habermann ET; Dorfman HD, Skeletal Radiol 1989; 18: 537

case report 619, Ehara S; Kattapuram SV; Rosenberg AE, Skeletal Radiol 1990; 19: 375

case report: subdural spinal lipoma with posterior fossa extension, Fan CJ; Veerapen RJ; Tan CT, Clin Radiol 1989; 40: 91

characteristic appearances of colonic lipomas on barium enema: a guide to conservative management, Davis SJ; Yoong MFP, Australas Radiol 1990; 34: 131

clear cell tumor and angiomyolipoma (letter), (ab), Pea M; Bonetti F; Zamboni G, Radiology 1991; 180: 293

coexistent xanthogranulomatous pyelonephritis and massive replacement lipomatosis of the kidney: CT diagnosis, Acunaş B; Acunaş G; Rozanes I; et al, Urol Radiol 1990; 12: 88

computed tomography of ileoileocolic intussusception caused by a lipoma, Yoshimitsu K; Fukuya T; Onitsuka H; et al, JCAT 1989; 13: 704

computed tomography of lumbar apophyseal joint lipoma: report of three cases, Dietemann JL; Bonneville JF; Runge M; et al, Neuroradiol 1989; 31: 60

corpus callosum lipoma with frontal encephalocele, Rao AS; Rao VRK; Mandalam KR; et al, Neuroradiol 1990; 32: 50

cranio-vertebral bony changes in a case of congenital lipomatosis, Wylie EJ; Kendall B, Neuroradiol 1989; 31: 352

CT findings in lipoma of the flexor retinaculum of the palm, Fraser JD; Munk PL; Connell DG; et al, Australas Radiol 1991; 35: 189

diagnosis of a myocardial lipoma by using CT, Conces DJ Jr; Vix VA; Tarver RD, AJR 1989; 153: 725

diffuse lipomatosis involving the thoracic and abdominal wall: CT features, Coode PE; McGuinness FE; Rawas MM; et al, JCAT 1991; 15: 341

epidural lipomatosis, Doppman JL, Radiology 1989; 171: 581

from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; 11: 81

gastrointestinal lipomas: a radiologic and pathologic review, Taylor AJ; Stewart ET; Dodds WJ, AJR 1990; 155: 1205

hepatic angiomyolipomas in tuberous sclerosis: report of two cases, Robinson JD; Grant EG; Haller JO; et al, J Ultrasound Med 1989; 8: 575

lipoma and agenesis of the corpus callosum with associated choroid plexus lipomas: in utero diagnosis, Mulligan G; Meier P, J Ultrasound Med 1989; 8: 583

lipoma and liposarcoma of the parotid gland: high-resolution preoperative imaging diagnosis, (ab), Korentager R; Novek AM; Chapnik JS; et al, Radiology 1989; 171: 887

lipoma arborescens of the knee, Armstrong SJ; Watt I, Br J Radiol 1989; 62: 178

lipoma of the liver: US, CT, and MRI appearance, Marti-Bonmati L; Menor F; Vizcaino I; et al, Gastrointest Radiol 1989; 14: 155

lipomas of the spermatic cord and testis: report of two cases, Rosenberg R; Williamson MR, JCU 1989; 17: 670

lipomatous tumors of the pelvis in women: spectrum of imaging findings, Dodd GD III; Budzik RF Jr, AJR 1990; 155: 317

lipomatous uterine tumors: diagnosis by ultrasound, CT, and MR, Dodd GD III; Budzik RF Jr, JCAT 1990; 14: 629

magnetic resonance imaging of a high cervical intradural lipoma, Kodama T; Numaguchi Y; Gellad FE; et al, Comput Med Imag Graph 1991; 15: 93

magnetic resonance imaging of an intradural spinal lipoma: a case report, Corr P; Beningfield SJ, Clin Radiol 1989; 40: 216

malignant transformation in bone lipomas, Milgram JW, Skeletal Radiol 1990; 19: 347

mediastinal thymolipoma, Chew FS; Weissleder R, AJR 1991; 157: 468

MR diagnosis of lipomatous infiltration of the interatrial septum, Kaplan KR; Rifkin MD, AJR 1989; 153: 495

MR imaging of choroid plexus lipomas, Truwit CL; Williams RG; Armstrong EA; et al, AJNR 1990; 11: 202

MR imaging of colonic lipoma, Younathan CM; Ros PR; Burton SS, JCAT 1991; 15: 492

MR imaging of spinal epidural lipoma, Morano JU; Miller JD; Connors JJ, AJNR 1989; 10: S102

MRI study of lumbosacral lipoma in children, Taviere V; Brunelle F; Baraton J; et al, Pediatr Radiol 1989; 19: 316

neurocutaneous melanosis associated with intraspinal lipoma, van Heuzen EP; Kaiser MC; de Slegte RGM, Neuroradiol 1989; 31: 349

parosteal lipoma of the finger: preoperative evaluation with computed tomography, Brooks ML; Mayer DP; Grannick MS; et al, Comput Med Imag Graph 1989; 13: 481

pathogenesis of intracranial lipoma: an MR study in 42 patients, Truwit CL; Barkovich AJ, AJNR 1990; 11: 665

pathogenesis of intracranial lipoma: an MR study in 42 patients, Truwit CL; Barkovich AJ, AJR 1990; 155: 855

pericallosal lipomas: MR features, Suzuki M; Takashima T; Kadoya M; et al, JCAT 1991; 15: 207

pleural lipoma in a child—CT evaluation, Storey TF; Narla LD, Pediatr Radiol 1991; 21: 141

radiological diagnosis and management of angiomylipoma of tumerous sclerosis, Kreel L; Yip KY; Stewart I; et al, Australas Radiol 1989; 33: 176

renal angiolipomas combined with renal cystic disease in tuberous sclerosis, Henze E; Roth J; Baehren W, Eur J Radiol 1989; 9: 125

renal angiomyolipoma associated with lymph node involvement and renal cell carcinoma in patients with tuberous sclerosis, (ab), Taylor RS; Joseph DB; Kohaut EC; et al, Radiology 1989; 173: 291

renal angiomyolipoma: ultrasonographic, CT, angiographic, and histologic correlation, Päivänsalo M; Lähde S; Hyvärinen S; et al, Acta Radiol 1991; 32: 239

renal masses: characterization with Doppler US, Kier R; Taylor KJW; Feyock AL; Ramos IM, Radiology 1990; **176:** 703

replacement lipomatosis of the kidney: CT features, Honda H; McGuire CW; Barloon TJ; et al, JCAT 1990; **14:** 229

scintigraphic pattern of renal angiomyolipoma, Jaikishen P; Oster ZH; Atkins HL, Clin Nucl Med 1990; **15:** 183

sonographic appearance of a duodenal bulb lipoma with CT and MRI correlation, Malouf AJ; Patel RB, J Ultrasound Med 1991; **10:** 461

sonographic appearances of superficial soft tissue lipomas, Fornage BD; Tassin GB, JCU 1991; **19:** 215

sonographic features of benign intraperitoneal lipomatous tumors in children—report of 4 cases, Prando A; Wallace S; Marins JLC; et al, Pediatr Radiol 1990; **20:** 571

spinal angiolipomas: CT and MR aspects, Weill A; del Carpio-O'Donovan R; Tampieri D; et al, JCAT 1991; **15:** 83

spinal epidural angiolipoma: MR findings, Mascalchi M; Arnetoli G; Dal Pozzo G; et al, AJNR 1991; **12:** 744

symptomatic spinal epidural lipomatosis without exogenous steroid intake: report of a case with magnetic resonance imaging, Gero BT; Chynn KY, Neuroradiol 1989; **31:** 190

uneven lipomatosis: a pitfall in pancreatic sonography, Marchal G; Verbeken E; Van Steenbergen W; et al, Gastrointest Radiol 1989; **14:** 233

uterine myolipoma: magnetic resonance imaging, computed tomographic, and ultrasound appearance, Lehrman BJ; Nisenbaum HL; Glasser SA; et al, J Ultrasound Med 1990; **9:** 665

Lipoproteins

indium-111-labeled LDL: a potential agent for imaging atherosclerotic disease and lipoprotein biodistribution, Rosen JM; Butler SP; Meinken GE; et al, J Nucl Med 1990; **31:** 343

lipoproteins in heart transplantation: proton magnetic resonance spectroscopy of plasma, Eugene M; Le Moyec L; de Certaines J; et al, Magn Res Med 1991; **18:** 93

metabolic imaging with gallium-68- and indium-111-labeled low-density lipoprotein, Moerlein SM; Daugherty A; Sobel BE; et al, J Nucl Med 1991; **32:** 300

nuclear imaging analysis of human low-density lipoprotein biodistribution in rabbits and monkeys, Hay RV; Fleming RM; Ryan JW; et al, J Nucl Med 1991; **32:** 1239

^{99m}Tc-low density lipoprotein: intracellularly trapped radiotracer for noninvasive imaging of low density lipoprotein metabolism in vivo, Vallabhajosula S; Goldsmith SJ, Semin Nucl Med 1990; **20:** 68

Liposarcoma

atypical appearance of lipomatous tumors on MR images: high signal intensity with fat-suppression STIR sequences, Murphy WD; Hurst GC; Duerk JL; Feiglin DH; Christopher M; Bellon EM, JMRI 1991; **1:** 477

case report 637, Klein MH; Desai P, Skeletal Radiol 1990; **19:** 545

case report 652, Kenan S; Lewis MM; Abdelwahab IF; et al, Skeletal Radiol 1991; **20:** 73

case report: recurrent liposarcoma of the oesophagus, Yates SP; Collins MC, Clin Radiol 1990; **42:** 356

from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; **11:** 81

general case of the day, Vilar JS; Martí-Bonmati L; Poyatos CR; Ferrer R, Radiographics 1991; **11:** 333

grading liposarcomas with PET using [^{18}F]FDG, Adler LP; Blair HF; Williams RP; et al, JCAT 1990; **14:** 960

lipoma and liposarcoma of the parotid gland: high-resolution preoperative imaging diagnosis, (ab), Korentager R; Noyek AM; Chapnik JS; et al, Radiology 1989; **171:** 887

MR imaging of liposarcomas: correlation of MR features and histology, London J; Kim EE; Wallace S; et al, JCAT 1989; **13:** 832

myxoid liposarcoma: magnetic resonance imaging appearances with clinical and histological correlation, Sundaram M; Baran G; Merenda G; et al, Skeletal Radiol 1990; **19:** 359

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

Liposomes

biodistribution and clearance of contrast-carrying MREV liposomes, White C; Slifkin M, Seltzer SE; et al, Invest Radiol 1990; **25:** 1125

biodistribution and clearance of liposomal gadolinium-DTPA, Unger E; Cardenas D; Zerella A; et al, Invest Radiol 1990; **25:** 638

bone marrow uptake of liposome-entrapped spin label after liver blockade with empty liposomes, Federico M; Iannone A; Chan HC; et al, Magn Res Med 1989; **10:** 418

gadolinium-labeled liposomes containing various amphiphilic Gd-DTPA derivatives: targeted MRI contrast enhancement agents for the liver, Kabalka GW; Davis MA; Moss TH; et al, Magn Res Med 1991; **19:** 406

Gd-labeled liposomes containing amphipathic agents for magnetic resonance imaging, Kabalka GW; Davis MA; Buonocore E; et al, Invest Radiol 1990; **25:** S63

hepatic metastases: liposomal Gd-DTPA–enhanced MR imaging, Unger EC; Winokur T; MacDougall P; Rosenblum J; Clair M; Gatenby RA; Tilcock CP, Radiology 1989; **171:** 81

improved method for the preparation of liposomal gadolinium-DTPA: ionophore-mediated active entrapment of gadolinium, Tilcock CP; Ahkong QF; Parr M, Invest Radiol 1991; **26:** 242

in vivo oximetry using a nitroxide-liposome system, Glockner JF; Chan H-C; Swartz HM, Magn Res Med 1991; **20:** 123

ioxaglate-carrying liposomes: computed tomographic study as hepatosplenic contrast agent in rabbits, Revel D; Corot C; Carrillon Y; et al, Invest Radiol 1990; **25:** S95

liposomal Gd-DTPA: preparation and characterization of relaxivity, Tilcock CP; Unger EC; Cullis P; MacDougall P, Radiology 1989; **171:** 77

liposomal MRI contrast agent: phosphatidylethanolamine—DTPA, Grant CWM; Karlik S; Florio E, Magn Res Med 1989; **11:** 236

liposome distribution after intravenous and selective intraarterial infusion in dogs, Wright KC; Kasi LP; Jahns MS; Hashimoto S; Wallace S, Radiology 1990; **176:** 691

liposome encapsulated $MnCl_2$ as a liver specific contrast agent for magnetic resonance imaging, Niesman MR; Bacic GG; Wright SM; et al, Invest Radiol 1990; **25:** 545

liposomes loaded with nonionic contrast media: hepatosplenic computed tomographic enhancement, Passariello R; Pavone P; Patrizio G; et al, Invest Radiol 1990; **25:** S92

NMR and ESR study of liposome delivery of Mn^{2+} to murine liver, Bacic G; Niesman MR; Magin RL; et al, Magn Res Med 1990; **13:** 44

paramagnetic liposomes as magnetic resonance contrast agents, Unger EC; Tilcock CP; Ahkong QF; et al, Invest Radiol 1990; **25:** S65

pharmacokinetic and MRI study of unilamellar gadolinium-, manganese-, and iron-DTPA-stearate liposomes as organ-specific contrast agents, Schwendener RA; Wüthrich R; Duewell S; et al, Invest Radiol 1990; **25:** 922

production and characterization of improved liposomes containing radiographic contrast media, Adzamli IK; Seltzer SE; Slifkin M; et al, Invest Radiol 1990; **25:** 1217

radio-opaque liposomes for the improved visualization of focal liver disease by computerized tomography, Henze A; Freise J; Magerstedt P; et al, Comput Med Imag Graph 1989; **13:** 455

role of liposomes in diagnostics imaging, Seltzer SE, Radiology 1989; **171:** 19

Lissencephaly

See Brain, abnormalities

Lithotripsy

abdominal-gastrointestinal radiology. RSNA '89 meeting notes, Balfe DM; Koehler RE; Lichtenstein JE, Radiology 1990; **174:** 602

abdominal-gastrointestinal radiology: RSNA '90 meeting notes, Balfe DM; Chezmar J; Koehler RE; Lichtenstein JE; Nelson R, Radiology 1991; **178:** 911

abdominal radiograph and renal ultrasound versus excretory urography in the evaluation of asymptomatic patients after extracorporeal shock wave lithotripsy, (ab), Coughlin BF; Risius B; Streem SB; et al, Radiology 1990; **176:** 295

altered gallbladder contractility after extracorporeal shock-wave cholecystolithotripsy, Rawat B; Fache JS; Burhenne HJ, AJR 1991; **157:** 485

biliary extracorporeal shockwave lithotripsy, Rawat B; Burhenne HJ, Cardiovasc Intervent Radiol 1990; **13:** 258

biliary extracorporeal shock wave lithotripsy in the treatment of an impacted stone in bile duct diverticulum, Lee SH; Gibney RG; Burhenne HJ, Gastrointest Radiol 1990; **15:** 317

biliary lithotripsy, (ab), Torres WE; Burhenne HJ, Radiology 1989; **173:** 585

biliary lithotripsy: 1989, Ferrucci JT, AJR 1989; **153:** 15

biliary lithotripsy: correlation between gallbladder contractility before treatment and the success of treatment, Donald JJ; Fache JS; Burhenne HJ, AJR 1991; **157:** 287

biliary lithotripsy: early observations in 106 patients. work in progress, Burhenne HJ; Becker CD; Malone DE; Rawat B; Fache JS, Radiology 1989; **171:** 363

biliary lithotripsy: in vitro analysis of gallstone fragmentation for equivalent stone volumes, Torres WE; Baumgartner BR; Jones MT; Nelson RC, Radiology 1990; **177:** 507

biliary lithotripsy team: the necessity for an interdisciplinary approach, Torres WE; Maglinte DDT; Steinberg HV, Radiology 1989; **171:** 73

biological effects of biliary shock wave lithotripsy in swine, Becker CD; Gilks CB; Burhenne HJ, Invest Radiol 1989; **24:** 366

biological effects of shock waves: cavitation by shock waves in piglet liver, Delius M; Denk R; Berding C; et al, Ultrasound Med Biol 1990; **16:** 467

biological effects of shock waves: cell disruption, viability, and proliferation of L1210 cells exposed to shock waves *in vitro*, Gambihler S; Delius M; Brendel W, Ultrasound Med Biol 1990; **16:** 587

biological effects of shock waves: effect of shock waves on the liver and gallbladder wall of dogs—administration rate dependence, Delius M; Jordan M; Liebich H-G; et al, Ultrasound Med Biol 1990; **16:** 459

capacitance hydrophones for pressure determination in lithotripsy, Filipczyński L; Etienne J, Ultrasound Med Biol 1990; **16:** 157

cavitation effects during lithotripsy: part I. results of in vitro experiments, Zeman RK; Davros WJ; Garra BS; Horii SC, Radiology 1990; **177:** 157

cavitation effects during lithotripsy: part II. clinical observations, Zeman RK; Davros WJ; Goldberg JA; Garra BS; Hayes WS; Cattau EL Jr; Horii SC; Cooper CJ; Silverman PM, Radiology 1990; **177:** 163

clinical experience with biliary extracorporeal shock wave lithotripsy, Lee SH; Burhenne HJ, Radiol Clin North Am 1990; **28:** 1265

comet-tail artifact from cholesterol crystals: observations in the postlithotripsy gallbladder and an in vitro model, Shapiro RS; Winsberg F, Radiology 1990; **177:** 153

common bile duct and intrahepatic stones: results of transhepatic electrohydraulic lithotripsy in 50 patients, Bonnel DH; Liguory CE; Cornud FE; Lefebvre J-FP, Radiology 1991; **180:** 345

current status of biliary lithotripsy: a survey of members of the Society of Gastrointestinal Radiologists, Bova JG, AJR 1989; **153:** 291

densely calcified gallstone treated successfully with piezoelectric lithotripsy, (ab), Albert MB; Fromm H; Shehan CM, Radiology 1990; **176:** 587

early results of combined electrohydraulic shock-wave lithotripsy and oral litholytic therapy of gallbladder stones at the University of Iowa, (ab), Maher JW; Summers RW; Dean TR; et al, JVIR 1991; **2:** 299

effectiveness of radiation control program for Dornier HM3 lithotriptor, (ab), Griffith DP; Gleeson MJ; Politis G; et al, Radiology 1989; **172:** 884

effect of shock waves on suspended and immobilized L1210 cells, Brümmer F; Brenner J; Bräuner T; et al, Ultrasound Med Biol 1989; **15:** 229

effect of ursodiol on the efficacy and safety of extracorporeal shock-wave lithotripsy of gallstones: the Dornier National Biliary Lithotripsy Study, (ab), Schoenfield LJ; Berci G; Carnovale RL; et al, JVIR 1991; **2:** 298

effects of lithotripsy on rat kidney: evaluation with MR imaging, histology, and electron microscopy, Neuerburg JM; Daus HJ; Recker F; et al, JCAT 1989; **13:** 82

electrohydraulic shock wave lithotripsy (ESWL) fragmentation of retained common duct stones, (ab), Johlin FC; Loening SA; Maher JW; et al, Radiology 1989; **171:** 585

electromagnetically generated extracorporeal shockwaves for fragmentation of extra- and intrahepatic bile duct stones: indications, success and problems during a 15 months clinical experience, (ab), Staritz M; Rambow A; Grosse A; et al, Radiology 1990; **176:** 587

endoscopic laser lithotripsy of large bile duct stones, (ab), Cotton PB; Kozarek RA; Schapiro RH; et al, Radiology 1991; **179:** 588

endoscopy as an adjuvant to biliary radiologic intervention, Venbrux AC; Robbins KV; Savader SJ; Mitchell SE; Widlus DM; Osterman FA Jr, Radiology 1991; **180:** 355

estimation of the temperature increase in the focus of a lithotripter for the case of high rate administration, Filipczyński L; Piechocki M, Ultrasound Med Biol 1990; **16:** 149

extracorporeal cholecystolithotripsy without oral chemolitholysis, Fache JS; Rawat B; Burhenne HJ, Radiology 1990; **177:** 719

extracorporeal gallstone lithotripsy, Torres WE; Laufer I, Semin Roentgenol 1991; **26:** 267

extracorporeal shock-wave lithotripsy and methyl *tert*-butyl ether for partially calcified gallstones, (ab), Peine CJ; Petersen BT; Williams HJ; et al, Radiology 1990; **175:** 882

extracorporeal shock wave lithotripsy and stents: fluoroscopic observations and a hypothesis on the mechanisms of stent function, Fine H; Gordon RL; Lebensart PD, Urol Radiol 1989; **11:** 37

extracorporeal shock wave lithotripsy (ESWL) in the management of complex biliary tract stone disease, (ab), Taylor MC; Marshall JC; Fried LA; et al, Radiology 1989; **172:** 290

extracorporeal shock wave lithotripsy of calcified gallstones: work in progress, Rawat B; Burhenne HJ, Radiology 1990; **175:** 667

extracorporeal shock wave lithotripsy of gallbladder stones: a pessimistic view, Maglinte DDT; Graffis R; Jordan L; Chua GT; Johnson AC Jr; Crossin J, Radiology 1991; **178:** 29

extracorporeal shock wave lithotripsy of gall stones: an in vitro comparison between an electrohydraulic and a piezoceramic device, (ab), Schachler R; Bird NC; Sauerbruch T; et al, Radiology 1991; **180:** 884

extracorporeal shock wave lithotripsy of gallstones: results and 6-month follow-up in 141 patients, Torres WE; Steinberg HV; Davis RC; Baumgartner BR; Nelson RC; Casarella WJ, Radiology 1991; **178:** 509

extracorporeal shock wave lithotripsy of pancreatic stones, (ab), Sauerbruch T; Holl J; Sackmann M; et al, Radiology 1990; **175:** 882

extracorporeal shock wave lithotripsy of stones in the mid ureter, (ab), Tiselius HG; Pettersson B; Andersson A, Radiology 1989; **172:** 884

extracorporeal shock wave lithotripsy of ureteral calculi, Banner MP; VanArsdalen KN; Pollack HM, Radiology 1990; **174:** 12

extracorporeal shock wave lithotripsy: selection of patients and long-term complications, Banner MP, Radiol Clin North Am 1991; **29:** 543

formation of perinephric abscess following extracorporeal shock-wave lithotripsy, (ab), Karamalegos AZ; Diokno AC; Moylan DF, Radiology 1990; **175:** 884

gallbladder lithotripsy, Steinberg HV; Torres WE; Nelson RC, Radiology 1989; **172:** 7

gallstone breakthrough with lithotripsy?, Burhenne HJ, Invest Radiol 1990; **25:** 1149

gallstone extracorporeal shock-wave lithotripsy: time and treatment considerations, Nelson RC; Rowland GA; Torres WE; et al, AJR 1990; **154:** 291

gallstone fragmentation during biliary lithotripsy: effect of stone composition and structure, Zeman RK; Marchand T; Davros WJ; et al, AJR 1991; **156:** 493

gallstone fragmentation with contact electrohydraulic lithotripsy: in vitro study of physical and technical factors, Tung GA; Mueller PR; Brink JA; Saini S; Ferrucci JT, Radiology 1990; **174:** 781

gallstone lithotripsy: is there still cause for optimism?, Zeman RK; Al-Kawas F; Benjamin SB, Radiology 1991; **178:** 33

gallstone lithotripsy: relevant physical principles and technical issues, Davros WJ; Garra BS; Zeman RK, Radiology 1991; **178:** 397

histopathology of shock wave treated tumor cell suspensions and multicell tumor spheroids, Bräuner T; Brümmer F; Hülser DF, Ultrasound Med Biol 1989; **15:** 451

how many Americans will be eligible for biliary lithotripsy?, (ab), Magnuson TH; Lillemoe KD; Pitt HA, Radiology 1990; **175:** 290

influence of the shock wave application mode on the growth of A-Mel 3 and SSK2 tumors *in vivo*, Weiss N; Delius M; Gambihler S; et al, Ultrasound Med Biol 1990; **16:** 595

in situ lithotripsy of ureteral calculi: review of 261 cases, Barr JD; Tegtmeyer CJ; Jenkins AD, Radiology 1990; **174:** 103

intact stones or fragments? potential pitfalls in the imaging of patients after biliary extracorporeal shock wave lithotripsy, Khouri MR; Goldszmidt JB; Laufer I; Arger P; Marcus A; Wisniewski F; Okberg O; Malet PF, Radiology 1990; **177:** 147

intercostal pathway for biliary lithotripsy: an evaluation, Malone DE; Rawat B; Fache JS; Quenville NF; Burhenne HJ, Radiology 1990; **174:** 349

intervention for gallbladder disease, Miller FJ; Rose SC, Cardiovasc Intervent Radiol 1990; **13:** 264

intracorporeal biliary lithotripsy, Picus D, Radiol Clin North Am 1990; **28:** 1241

is routine chest radiography required with biliary lithotripsy?, Malone DE; Becker CD; Müller NL; et al, AJR 1989; **152:** 987

killing of *Drosophila* larvae by the fields of an electrohydraulic lithotripter, Carstensen EL; Campbell DS; Hoffman D; et al, Ultrasound Med Biol 1990; **16:** 687

laserlithotripsy of common bile duct stones, (ab), Ell C; Lux G; Hochberger J; et al, Radiology 1989; **170:** 581

long-term results of extracorporeal shock wave lithotripsy in children, (ab), Nijman RJM; Ackaert K; Scholtmeijer RJ; et al, Radiology 1990; **174:** 296

mechanisms of stone disintegration by shock waves, Sass W; Bräunlich M; Dreyer H-P; et al, Ultrasound Med Biol 1991; **17:** 239

Munich gallbladder lithotripsy study: results of the first 5 years with 711 patients, (ab), Sackmann M; Pauletzki J; Sauerbruch T; et al, JVIR 1991; **2:** 420

nonvisualized gallbladder on oral cholecystography: implications for lithotripsy, Wong K; Ekberg O; Laufer I; et al, Gastrointest Radiol 1990; **15:** 126

novel method to control P+/P− ratio of the shock wave pulses used in the extracorporeal piezoelectric lithotripsy (EPL), Lewin PA; Chapelon J-Y; Mestas J-L; et al, Ultrasound Med Biol 1990; **16:** 473

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

percutaneous cholecystolithotomy: a minimally invasive alternative to cholecystectomy and to shock wave lithotripsy, (ab), Griffith DP; Gleeson MJ; Appel MF; et al, JVIR 1990; **1:** 140

percutaneous cholecystolithotomy with endoscopic lithotripsy by using a pulsed-dye laser: preliminary experience, Bogan ML; Hawes RH; Kopecky KK; et al, AJR 1990; **155:** 781

percutaneous endoscopic cholecystolithotripsy: work in progress, Hruby W; Stackl W; Urban M; Armbruster C; Marberger M, Radiology 1989; **173:** 477

percutaneous gallstone lithotripsy: results in acute and chronic swine models, Kensey KR; Michels M; Abrahams C; et al, Invest Radiol 1991; **26:** 454

percutaneous pulsed-dye laser lithotripsy of gallbladder stones in swine, Kopecky KK; Hawes RH; Bogan ML; et al, Invest Radiol 1990; **25:** 627

percutaneous rotational contact biliary lithotripsy: initial clinical results with the Kensey Nash lithotrite, Miller FJ; Rose SC; Buchi KN; Hunter JG; Nash JE; Kensey KR, Radiology 1991; **178:** 781

persistence of symptoms after gall bladder clearance with cholecystolithotripsy, (ab), Lee SH; Burhenne HJ, Radiology 1991; **181:** 610

piezoelectric biliary lithotripsy: an in vitro study of factors affecting gallstone fragmentation, Schulte SJ; Baron RL, AJR 1990; **155:** 1211

piezoelectric lithotripsy: stone disintegration and follow-up results in patients with symptomatic gallbladder stones, (ab), Ell C; Kerzel W; Schneider HT; et al, JVIR 1991; **2:** 299

radiation doses in extracorporeal shock wave lithotripsy, Huda W; Bews JA; Saydak AP, Br J Radiol 1989; **62:** 921

relationship between stone motion, targeting, and fragmentation during experimental biliary lithotripsy, Zeman RK; Davros WJ; Garra BS; Goldberg JA; Horii SC; Silverman PM; Cattau EL Jr; Hayes WS; Cooper CJ, Radiology 1990; **176:** 125

renal calculi after shock wave lithotripsy: US evaluation with an in vitro phantom, Choyke PL; Pahira JH; Davros WJ; Nilges E; Dwyer AJ; Mun SK, Radiology 1989; **170:** 39

retained intrahepatic stones: treatment with piezoelectric lithotripsy combined with stone extraction, Choi BI; Han JK; Park YH; Yoon YB; Han MC; Kim C-W, Radiology 1991; **178:** 105

retroperitoneal air, extracorporeal shock wave lithotripsy and epidural anesthesia, (ab), Palmer BW; Norman RW, Radiology 1989; **173:** 588

retrospective analysis of 3 year's (sic) experience of an interdisciplinary approach to gallstone disease including shock-waves, (ab), Heberer G; Paumgartner G; Sauerbruch T; et al, Radiology 1989; **172:** 290

role of percutaneous intracorporeal electrohydraulic lithotripsy in the treatment of biliary tract calculi: work in progress, Picus D; Weyman PJ; Marx MV, Radiology 1989; **170:** 989

routine liver function tests and serum amylase determinations after biliary lithotripsy: are they necessary?, Goodacre BW; Malone DE; Fache JS; et al, AJR 1990; **155:** 771

scintigraphic evaluation of renal function after extracorporeal shock-wave lithotripsy, Dumont M; Marchand L; Laroche B; et al, J Canad Assoc Radiol 1990; **41:** 138

shock-wave lithotripsy of gallstones, Paumgartner G, AJR 1989; **153:** 235

shock wave lithotripsy of gallstones: results and 12-month follow-up in 174 patients, Torres WE; Baumgartner BR; Nelson RC; Morris SJ, Radiology 1991; **179:** 699

simulation of gallstone fragments by cavitation bubbles during extracorporeal shock wave lithotripsy: physical basis and in vitro demonstration, Brink JA; Simeone JF; Saini S; Mueller PR; de Correia-Kamat MR; Malt RA; Staritz M; Delius M; Ferrucci JT, Radiology 1990; **174:** 787

soft-tissue effects of biliary extracorporeal shockwave lithotripsy in swine, Malone DE; Becker CD; Reich D; et al, Br J Radiol 1989; **62:** 843

stonebearing gallbladders: CT anatomy as the key to safe percutaneous lithotripsy. work in progress, Hruby W; Urban M; Stackl W; Armbruster C; Marberger M, Radiology 1989; **173:** 385

stone fragility: a new therapeutic distinction, (ab), Dretler SP, Radiology 1989; **170:** 289

survey of the acoustic output of commercial extracorporeal shock wave lithotripters, Coleman AJ; Saunders JE, Ultrasound Med Biol 1989; **15:** 213

technical aspects of biliary extracorporeal shock wave lithotripsy, Torres WE; Baumgartner BR, Radiol Clin North Am 1990; **28:** 1251

theoretical predictions of the acoustic pressure generated by a shock wave lithotripter, Coleman AJ; Choi MJ; Saunders JE, Ultrasound Med Biol 1991; **17:** 245

thresholds for premature ventricular contractions in frog hearts exposed to lithotripter fields, Dalecki D; Keller BB; Carstensen EL; et al, Ultrasound Med Biol 1991; **17:** 341

tissue resections under piezoelectric shockwave application for the fragmentation of biliary calculi, (ab), Ell C; Kerzel W; Heyder N; et al, Radiology 1990; **174:** 289

transhepatic laser lithotripsy of choledocholithiasis: initial clinical experience, Sullivan KL; Bagley DH Jr; Gordon SJ; Soulen MC; Grasso M; Bonn J; Shapiro MJ, JVIR 1991; **2:** 387

value of extracorporeal shock-wave lithotripsy in the management of bile duct stones, Lee SH; Fache JS; Burhenne HJ, AJR 1990; **155:** 775

visibility of gallstone fragments at US and fluoroscopy: implications for monitoring gallstone lithotripsy, Garra BS; Davros WJ; Lack EE; Horii SC; Silverman PM; Zeman RK, Radiology 1990; **174:** 343

Lithotripsy, complications

biliary complications of gallstone lithotripsy detected by Tc-99m DISIDA scintigraphy, St. George JK; Velchik MG, Clin Nucl Med 1991; **16:** 157

biological effects of shock waves: cavitation by shock waves in piglet liver, Delius M; Denk R; Berding C; et al, Ultrasound Med Biol 1990; **16:** 467

biological effects of shock waves: effect of shock waves on the liver and gallbladder wall of dogs—administration rate dependence, Delius M; Jordan M; Liebich H-G; et al, Ultrasound Med Biol 1990; **16:** 459

effects of lithotripter fields on development of chick embryos, Hartman C; Cox CA; Brewer L; et al, Ultrasound Med Biol 1990; **16:** 581

extracorporeal shock wave lithotripsy: selection of patients and long-term complications, Banner MP, Radiol Clin North Am 1991; **29:** 543

hepatic subcapsular hematoma: an unusual complication of biliary lithotripsy, McGrath FP; Lee SH; Gibney RG; et al, AJR 1990; **154:** 1015

investigation of cavitation in flowing media by lithotripter shock waves both *in vitro* and *in vivo*, Williams AR; Delius M; Miller DL; et al, Ultrasound Med Biol 1989; **15:** 53

long-term results of extracorporeal shock wave lithotripsy in children, (ab), Nijman RJM; Ackaert K; Scholtmeijer RJ; et al, Radiology 1990; **174:** 296

long-term soft-tissue effects of biliary extracorporeal shock waves: an animal study, Rawat B; Wolber R; Burhenne HJ, AJR 1991; **156:** 73

lung damage from exposure to the fields of an electrohydraulic lithotripter, Hartman C; Child SZ; Mayer R; et al, Ultrasound Med Biol 1990; **16:** 675

microvascular changes in rabbit kidneys after extracorporeal shock wave treatment, Fajardo LL; Hillman BJ; Weber C; et al, Invest Radiol 1990; **25:** 664

morbidity associated with indwelling internal ureteral stents after shock wave lithotripsy, (ab), Bregg K; Riehle RA, Radiology 1989; **173:** 291

pathologic changes in the kidneys and other organs of dogs undergoing extracorporeal shock wave lithotripsy with a tubless lithotripter, (ab), Abrahams C; Lipson S; Ross L, Radiology 1989; **170:** 901

renal loss following extracorporeal shock wave lithotripsy, (ab), Donahue LA; Linke CA; Rowe JM, Radiology 1990; **175:** 589

silent obstruction after extracorporeal piezoelectric lithotripsy, Mahmoud AH; Elgazzar AH; Nilsson TEG; et al, Clin Nucl Med 1991; **16:** 162

soft-tissue effects of biliary extracorporeal shockwave lithotripsy in swine, Malone DE; Becker CD; Reich D; et al, Br J Radiol 1989; **62:** 843

thresholds for premature ventricular contractions in frog hearts exposed to lithotripter fields, Dalecki D; Keller BB; Carstensen EL; et al, Ultrasound Med Biol 1991; **17:** 341

Liver, abnormalities

absence of the left lobe of the liver: US and CT appearance, Kakitsubata Y; Nakamura R; Mitsuo H; et al, Gastrointest Radiol 1991; **16:** 323

agenesis of the right lobe of the liver: case report, Kanematsu M; Imaeda T; Yamawaki Y; et al, Gastrointest Radiol 1991; **16:** 320

anomalous right lobe of the liver: CT appearance, Kakitsubata Y; Kakitsubata S; Asada K; et al, Gastrointest Radiol 1991; **16:** 326

computed tomography in agenesis of the right lobe of the liver, Demirci A; Diren HB; Selcuk MB, Acta Radiol 1990; **31:** 105

hepatobiliary anomalies associated with polysplenia syndrome, Gagner M; Munson JL; Scholz FJ, Gastrointest Radiol 1991; **16:** 167

Liver, abscess

amoebic liver abscess: rupture into retroperitoneum, Tandon N; Karak PK; Mukhopadhyay S; et al, Gastrointest Radiol 1991; **16:** 240

bilio-enteric anastomosis as a risk factor for postembolic hepatic abscesses, Okajima K; Kohno S; Tamaki M; et al, Cardiovasc Intervent Radiol 1989; **12:** 128

case report: tuberculous hepatic and splenic abscess, Wilde CC; Kueh YK, Clin Radiol 1991; **43:** 215

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

diagnosis and percutaneous treatment of pyogenic hepatic abscesses, (ab), Hochbergs P; Forsberg L; Hederström E; et al, JVIR 1991; **2:** 299

diagnosis and percutaneous treatment of pyogenic hepatic abscesses, Hochbergs P; Forsberg L; Hederström E; et al, Acta Radiol 1990; **31:** 351

diagnosis of a liver abscess with Ga-67 and radiocolloid tomography, Sangar VK; Gini A; Fuentes RT; et al, Clin Nucl Med 1989; **14:** 443

gallbladder perforation with intrahepatic abscess formation, Chen J-J; Lin H-H; Chiu C-T; et al, JCU 1990; **18:** 43

hepatic abscess secondary to a fishbone penetrating the gastric wall: CT demonstration, Masunaga S-i; Abe M; Imura T; et al, Comput Med Imag Graph 1991; **15:** 113

infected hepatic metastasis: role of In-111 leukocyte scintigraphy, Palestro CJ; Vega A; Kim CK; et al, Clin Nucl Med 1990; **15:** 434

liver abscess complicating intratumoral ethanol injection therapy for HCC, (ab), Isobe H; Fukai T; Iwamoto H; et al, JVIR 1991; **2:** 297

morbidity and mortality in children with pyogenic liver abscess, (ab), Pineiro-Carrero VM; Andres JM, Radiology 1990; **175:** 887

patterns of gallium uptake in amebic liver abscesses, Verma RC; Ngo C; Yaghmai I, Clin Nucl Med 1989; **14:** 523

percutaneous treatment of pyogenic liver abscess: a critical analysis of results, Dondelinger RF; Kurdziel J-C; Gathy C, Cardiovasc Intervent Radiol 1990; **13:** 174

perforated amebic liver abscesses: successful percutaneous treatment, Ken JG; vanSonnenberg E; Casola G; Christensen R; Polansky AM, Radiology 1989; **170:** 195

radiological diagnosis and management of a solitary tuberculous hepatic abscess, Reed DH; Nash AF; Valabhji P, Br J Radiol 1990; **63:** 902

ultrasonically guided percutaneous treatment of liver abscesses, Juul N; Sztuk FJS; Torp-Pedersen S; et al, Acta Radiol 1990; **31:** 275

ultrasonic features of pyogenic and amoebic hepatic abscesses, Oleszczuk-Raszke K; Cremin BJ; Fisher RM; et al, Pediatr Radiol 1989; **19:** 230

ultrasound and CT of multifocal liver abscesses caused by *Yersinia enterocolitica*, Leyman P; Baert AL; Marchal G; et al, JCAT 1989; **13:** 913

Liver, amyloidosis

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Liver, anatomy

caudate lobe of the liver: anatomy, embryology, and pathology, Dodds WJ; Erickson SJ; Taylor AJ; et al, AJR 1990; **154:** 87

papillary process of the caudate lobe of the liver: sonographic appearance, Donoso L; Martinez-Noguera A; Zidan A; Lora F, Radiology 1989; **173:** 631

segmental anatomy of the liver: a sonographic approach to the Couinaud nomenclature, Lafortune M; Madore F; Patriquin H; Breton G, Radiology 1991; **181:** 443

Liver, angiography

angiogenesis after hepatic arterial occlusion in liver transplant patients, Yedlicka JW Jr; Halloran J; Payne WD; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Letourneau JG, JVIR 1991; **2:** 235

hepatic neoplasms: detection with hepatoportal subtraction angiography—a new technique of DSA, Takahashi K; Saito K; Tamura K; Honda M; Touei H; Sakai O; Kawashima Y; Kuji T; Ohtani M; Kawamoto T; Ohsawa T, Radiology 1990; **177:** 243

perfusion characteristics of hepatic cavernous hemangioma using intravenous CT angiography (IVCTA), Gaa J; Saini S; Ferrucci JT, Eur J Radiol 1991; **12:** 228

plexiform neurofibroma: report of an unusual presentation, Nguyen KT; Pace R; Ludwin S; et al, J Canad Assoc Radiol 1990; **41:** 103

Liver, biopsy

21-year experience with major hemorrhage after percutaneous liver biopsy, (ab), McGill DB; Rakela J; Zinsmeister AR; et al, JVIR 1991; **2:** 298

21-year experience with major hemorrhage after percutaneous liver biopsy, (ab), McGill DB; Rakela J; Zinsmeister AR; et al, Radiology 1991; **179:** 883

acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL, Radiology 1989; **171:** 739

automated biopsy devices: significance and safety, Bernardino ME, Radiology 1990; **176:** 615

clinical use of a nonferromagnetic needle for magnetic resonance-guided biopsy, Mueller PR; Stark DD; Simeone JF; et al, Gastrointest Radiol 1989; **14:** 61

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

CT-guided liver biopsy: an update, Ha HK; Sachs PB; Haaga JR; et al, Clin Imag 1991; **15:** 99

diagnosis of hepatic cavernous hemangioma by fine needle aspiration biopsy under ultrasonic guidance, Nakaizumi A; Iishi H; Yamamoto R; et al, Gastrointest Radiol 1990; **15:** 39

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

efficacy of automated biopsy guns versus conventional biopsy needles in the pygmy pig, Hopper KD; Baird DE; Reddy VV; Landis JR; Parker SH; Tyler HN Jr; Ownbey JL; McCauslin MA; Yakes WF; Sabatelli FW; Mott PL, Radiology 1990; **176:** 671

fatal carcinoid crisis after percutaneous fine-needle biopsy of hepatic metastasis: case report and literature review, Bissonnette RT; Gibney RG; Berry BR; Buckley AR, Radiology 1990; **174:** 751

fibrin sealant as a plug for the post liver biopsy needle track, Chisholm RA; Jones SN; Lees WR, Clin Radiol 1989; **40:** 627

fine-needle aspiration biopsy of liver hemangioma, Taavitsainen M; Airaksinen T; Kreula J; et al, Acta Radiol 1990; **31:** 69

fine-needle biopsy of hepatic hydatids and haemangiomas: an overstated hazard, Langlois SLP, Australas Radiol 1989; **33:** 144

hemostatic protein-polymer sheath: new method to enhance hemostasis at percutaneous biopsy, Gazelle GS; Haaga JR; Neuhauser D, Radiology 1990; **175:** 671

hypovascular hepatocellular carcinoma undetected at angiography and CT with iodized oil, Yoshimatsu S; Inoue Y; Ibukuro K; Suzuki S, Radiology 1989; **171:** 343

liver transplant biopsies with a biopsy gun, Chezmar JL; Keith LL; Nelson RC; Plaire JC; Hertzler GL; Bernardino ME, Radiology 1991; **179:** 447

massive bleeding after fine needle aspiration of liver angiosarcoma, Hertzanu Y; Peiser J; Zirkin H, Gastrointest Radiol 1990; **15:** 43

method of euthanasia in animal study, Gregory SP; Waterman AE; Weaver BMQ, Radiology 1991; **179:** 288

method of euthanasia in animal study: reply, Hopper KD; Baird DE; Parker SH, Radiology 1991; **179:** 288

nonaspiration fine-needle cytology of the liver: a new technique for obtaining diagnostic samples, Fagelman D; Chess Q, AJR 1990; **155:** 1217

percutaneous biopsy of the liver, Lüning M; Schröder K; Wolff H; et al, Cardiovasc Intervent Radiol 1991; **14:** 40

role of ultrasound guided fine needle aspiration biopsy in the diagnosis of hepatocellular carcinoma, (ab), Sbolli G; Fornari F; Civardi G; et al, Radiology 1991; **179:** 589

safety and efficacy of a spring-propelled 18-gauge needle for US-guided liver biopsy, Sheets PW; Brumbaugh CJ; Kopecky KK; Pound DC; Filo RS, JVIR 1991; **2:** 147

transvenous liver biopsy in critically ill patients: adequacy of tissue samples, Lipchik EO; Cohen EB; Mewissen MW, Radiology 1991; **181:** 497

ultrasound guided fine needle biopsy of the liver for cytology and histology, Lin BPC; Chu JMG; Rose RA, Australas Radiol 1991; **35:** 33

Liver, blood supply

benign and malignant nodules in cirrhotic livers: distinction based on blood supply, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Takashima T; Nakanuma Y; Unoura M; Kobayashi K; Izumi R; Ida M; Kitagawa K, Radiology 1991; **178:** 493

generalized increase of arterial blood flow to the liver observed at visceral radiocolloid angiography, Rudberg U; Hesser U; Udén R, Acta Radiol 1989; **30:** 597

inhomogeneous enhancement of liver parenchyma secondary to passive congestion: contrast-enhanced CT, Holley HC; Koslin DB; Berland LL; Stanley RJ, Radiology 1989; **170:** 795

liver hemodynamic flow balance by image-directed Doppler ultrasound evaluation in normal subjects, Bombelli L; Genitoni V; Biasi S; et al, JCU 1991; **19:** 257

pathophysiological changes after local heating of rat liver, Uda M; Osborn JL; Lee CKK; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 587

Liver, calcification

calcification of the ductus venosus: a cause of right upper quadrant calcification in the newborn, Rizzo AJ; Haller JO; Mulvihill DM; Cohen HL; Da Silva MG, Radiology 1989; **173:** 89

case report: hepatic and splenic calcification due to amyloid, Kennan NM; Evans C, Clin Radiol 1991; **44:** 60

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

foetal hepatic calcification, Hawass N-E-D; El Badawi MG; Fatani JA; et al, Pediatr Radiol 1990; **20:** 528

hepatic parenchymal calcifications—differentiation from intrahepatic stones, Lin H-H; Chang-Chien C-S; Lin D-Y, JCU 1989; **17:** 411

is it calcification of the ductus venosus or calcification of the umbilical vein?, Lafortune M, Radiology 1990; **176:** 290

is it calcification of the ductus venosus or calcification of the ligamentum teres?, Abu-Yousef MM, Radiology 1990; **176:** 291

is it calcification of the ductus venosus or calcification of the ligamentum teres?: reply, Rizzo AJ; Haller JO, Radiology 1990; **176:** 291

"porcelain liver" appearance due to Glisson's capsule phleboliths, Delamarre J; Capron J-P; Sevestre H; et al, Gastrointest Radiol 1989; **14:** 339

progressive calcifications of lung and liver in neonatal herpes simplex virus infection, Mannhardt W; Schumacher R, Pediatr Radiol 1991; **21:** 236

Liver, calculi

common bile duct and intrahepatic stones: results of transhepatic electrohydraulic lithotripsy in 50 patients, Bonnel DH; Liguory CE; Cornud FE; Lefebvre J-FP, Radiology 1991; **180:** 345

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

retained intrahepatic stones: treatment with piezoelectric lithotripsy combined with stone extraction, Choi BI; Han JK; Park YH; Yoon YB; Han MC; Kim C-W, Radiology 1991; **178:** 105

transhepatic laser lithotripsy of choledocholithiasis: initial clinical experience, Sullivan KL; Bagley DH Jr; Gordon SJ; Soulen MC; Grasso M; Bonn J; Shapiro MJ, JVIR 1991; **2:** 387

Liver, cirrhosis

acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL, Radiology 1989; **171:** 739

adenomatous hyperplastic nodules in the cirrhotic liver: a therapeutic approach. work in progress, Livraghi T; Sangalli G; Vettori C, Radiology 1989; **170:** 155

adenomatous hyperplastic nodules in the cirrhotic liver: differentiation from hepatocellular carcinoma with MR imaging, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Arai K; Gabata T; Takashima T; Nakanuma Y; Terada T; Ida M, Radiology 1989; **173:** 123

alcoholic liver disease: quantitative image-guided P-31 MR spectroscopy, Meyerhoff DJ; Boska MD; Thomas AM; Weiner MW, Radiology 1989; **173:** 393

asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; **178:** 769

benign and malignant nodules in cirrhotic livers: distinction based on blood supply, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Takashima T; Nakanuma Y; Unoura M; Kobayashi K; Izumi R; Ida M; Kitagawa K, Radiology 1991; **178:** 493

cirrhosis: diagnosis with sonographic study of the liver surface, Di Lelio A; Cestari C; Lomazzi A; Beretta L, Radiology 1989; **172:** 389

comparison between ultrasonographic signs and the degree of portal hypertension in patients with cirrhosis, Vilgrain V; Lebrec D; Menu Y; et al, Gastrointest Radiol 1990; **15:** 218

CT density of mesenteric, retroperitoneal, and subcutaneous fat in cirrhotic patients: comparison with control subjects, Tyrrel RT; Montemayor KA; Bernardino ME, AJR 1990; **155:** 73

detection of pulmonary teleangiectasia using dynamic pulmonary perfusion imaging in patients with liver cirrhosis, Shijo H; Hisano S; Sasaki H; et al, Clin Nucl Med 1989; **14:** 179

diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B, Radiology 1989; **171:** 349

early hepatocellular carcinoma: MR imaging, Muramatsu Y; Nawano S; Takayasu K; Moriyama N; Yamada T; Yamasaki S; Hirohashi S, Radiology 1991; **181:** 209

extrahepatic uptake of technetium-99m-phytate: a prognostic index in patients with cirrhosis, Picard D; Infante-Rivard C; Villeneuve J-P; et al, J Nucl Med 1990; **31:** 436

hemodynamic significance of the paraumbilical vein in portal hypertension: assessment with duplex US, Mostbeck GH; Wittich GR; Herold C; Vergesslich KA; Walter RM; Frotz S; Sommer G, Radiology 1989; **170:** 339

hepatic cirrhosis and hepatitis: MR imaging enhanced with superparamagnetic iron oxide, Elizondo G; Weissleder R; Stark DD; Guerra J; Garza J; Fretz CJ; Todd LE; Ferrucci JT, Radiology 1990; **174:** 797

hepatocellular carcinoma within siderotic regenerative nodules: appearance as a nodule within a nodule on MR images, Mitchell DG; Rubin R; Siegelman ES; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 101

hyperintense cirrhotic nodules on MRI, Koslow SA; Davis PL; DeMarino GB; et al, Gastrointest Radiol 1991; **16:** 339

identification of hepatic cirrhosis by duplex Doppler ultrasound: value of the hepatic artery resistive index, Pierce ME; Sewell R, Australas Radiol 1990; **34:** 331

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

iron-accumulating adenomatous hyperplastic nodule with malignant foci in the cirrhotic liver: histopathologic, quantitative iron, and magnetic resonance imaging in vitro studies, (ab), Terada T; Kadoya M; Nakanuma Y; et al, Radiology 1990; **177:** 290

liver cirrhosis: changes of Doppler waveform of hepatic veins, Bolondi L; Li Bassi S; Gaiani S; Zironi G; Benzi G; Santi V; Barbara L, Radiology 1991; **178:** 513

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; **180:** 31

lymphadenopathy in primary biliary cirrhosis: CT observations, Outwater E; Kaplan MM; Bankoff MS, Radiology 1989; **171:** 731

lymphadenopathy in primary biliary cirrhosis: CT observations, Kathrein H; Judmaier G; Vogel W, Radiology 1990; **175:** 285

osteodystrophy in liver cirrhosis: detection and treatment evaluation using $^{99}Tc^{m}$ methylene diphosphonate bone scintigraphy, Sezai S; Hirano M; Iwase T, Clin Radiol 1991; **43:** 32

parenchymal versus reticuloendothelial iron overload in the liver: distinction with MR imaging, Siegelman ES; Mitchell DG; Rubin R; Hann H-WL; Kaplan KR; Steiner RM; Rao VM; Schuster SJ; Burk DL Jr; Rifkin MD, Radiology 1991; **179:** 361

percutaneous intrahepatic portosystemic shunt created via a femoral vein approach, LaBerge JM; Ring EJ; Gordon RL, Radiology 1991; **181:** 679

portal-systemic encephalopathy: presence of basal ganglia lesions with high signal intensity on MR images, Inoue E; Hori S; Narumi Y; Fujita M; Kuriyama K; Kadota T; Kuroda C, Radiology 1991; **179:** 551

regenerating nodules in hepatic cirrhosis: MR findings with pathologic correlation, Murakami T; Kuroda C; Marukawa T, et al, AJR 1990; **155:** 1227

regenerating nodules of liver cirrhosis: MR imaging with pathologic correlation, Ohtomo K; Itai Y; Ohtomo Y; et al, AJR 1990; **154:** 505

reversal of intrapulmonary shunting in cirrhosis after liver transplantation demonstrated by perfusion lung scan, Levin DP; Pison CF; Brandt M; et al, J Nucl Med 1991; **32:** 862

reversibility of pulmonary telangiectasia in liver cirrhosis evidenced by serial dynamic pulmonary perfusion imaging, Shijo H; Nakayama K; Sasaki H; et al, Clin Nucl Med 1989; **14:** 909

role of Tc-99m IDA hepatobiliary and Tc-99m colloid hepatic imaging in primary biliary cirrhosis, Aburano T; Yokoyama K; Shuke N; et al, Clin Nucl Med 1991; **16:** 4

sonographic recognition of intraparenchymal regenerating nodules using high-frequency transducers in patients with cirrhosis, Giorgio A; Francica G; de Stefano G; et al, J Ultrasound Med 1991; **10:** 355

transjugular intrahepatic portacaval stent shunt: preliminary clinical results, Richter GM; Noeldge G; Palmaz JC; Roessle M; Siegerstetter V; Franke M; Gerok W; Wenz W; Farthman E, Radiology 1990; **174:** 1027

ultrasonic diagnosis of cirrhosis: reference to quantitative measurements of hepatic dimensions, Goyal AK; Pokharna DS; Sharma SK, Gastrointest Radiol 1990; **15:** 32

ultrasonographic follow-up of liver cirrhosis, Zoli M; Cordiani MR; Marchesini G; et al, JCU 1990; **18:** 91

Liver, CT

abdominal CT findings after liver transplantation in 66 patients, Dupuy D; Costello P; Lewis D; et al, AJR 1991; **156:** 1167

absence of the left lobe of the liver: US and CT appearance, Kakitsubata Y; Nakamura R; Mitsuo H; et al, Gastrointest Radiol 1991; **16:** 323

accuracy of computed tomography of the liver in colo-rectal carcinoma, Lundstedt C; Ekberg H; Hederström E; et al, Clin Radiol 1990; **42:** 335

acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL, Radiology 1989; **171:** 739

additional comment: dynamic hepatic CT, Berland LL, Radiology 1991; **181:** 22

anomalous right lobe of the liver: CT appearance, Kakitsubata Y; Kakitsubata S; Asada K; et al, Gastrointest Radiol 1991; **16:** 326

benign and malignant nodules in cirrhotic livers: distinction based on blood supply, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Takashima T; Nakanuma Y; Unoura M; Kobayashi K; Izumi R; Ida M; Kitagawa K, Radiology 1991; **178:** 493

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Conrad MR, Radiology 1989; **173:** 285

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment: reply, Mirvis SE; Whitley NO, Radiology 1989; **173:** 285

blunt hepatic trauma in adults: CT-based classification and correlation with prognosis and treatment, Mirvis SE; Whitley NO; Vainwright JR Jr; Gens DR, Radiology 1989; **171:** 27

central dot sign on CT of liver cysts, Herman TE; Siegel MJ, JCAT 1990; **14:** 1019

chronic arsenic poisoning as a cause of increased hepatic density with CT, Dick L; Parker LA; Mauro MA, JCAT 1990; **14:** 828

clinical trials with a new iodinated lipid emulsion for computed tomography of the liver, Ivancev K; Lunderquist A; Isaksson A; et al, Acta Radiol 1989; **30:** 449

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

complications of hepatic hydatid cysts: ultrasound, computed tomography, and magnetic resonance diagnosis, Marti-Bonmati L; Serrano FM, Gastrointest Radiol 1990; **15:** 119

computed tomographic and ultrasound appearances of focal spared areas in fatty infiltration of the liver, McKenzie A; Gill G; McIntosh R; et al, Australas Radiol 1991; **35:** 166

computed tomography in agenesis of the right lobe of the liver, Demirci A; Diren HB; Selcuk MB, Acta Radiol 1990; **31:** 105

computed tomography of a rapidly growing hepatic hemangioma, Takayasu K; Makuuchi M; Takayama T, JCAT 1990; **14:** 143

computed tomography of hepatic venous hypertension: the reticulated-mosaic pattern, Mauro MA; Stackhouse DJ; Parker LA; et al, Gastrointest Radiol 1990; **15:** 35

computed tomography of liver sarcoidosis, Nakata K; Iwata K; Kojima K; et al, JCAT 1989; **13:** 707

congestive hepatomegaly—typical features on computed tomography, ultrasound and nuclear medicine, Cooper MA; Arkles LB; Hennessy OF; et al, Australas Radiol 1991; **35:** 44

contrast-enhanced CT of the liver and spleen: comparison of ionic and nonionic contrast agents, Nelson RC; Chezmar JL; Peterson JE; et al, AJR 1989; **153:** 973

contrast enhancement of liver parenchyma and biliary tract related to liver function at delayed computed tomography, Tidebrant G; Lukes P; Tylén U, Acta Radiol 1990; **31:** 265

CT appearance of cystic masses of the liver, Murphy BJ; Casillas J; Ros PR; Morillo G; Albores-Saavedra J; Rolfes DB, Radiographics 1989; **9:** 307

CT characteristics of intrahepatic, periportal, extramedullary hematopoiesis, Kobayashi A; Sugihara M; Kurosaki M; et al, JCAT 1989; **13:** 354

CT demonstration of right hepatic lobe atrophy, Demaerel P; Marchal G; Van Steenbergen W; et al, JCAT 1989; **13:** 351

CT diagnosis of blunt hepatic and splenic injuries: a look to the future, Jeffrey RB Jr, Radiology 1989; **171:** 17

CT evaluation of atypical hepatic fatty metamorphosis, Adkins MC; Halvorsen RA Jr; duCret RP, JCAT 1990; **14:** 1013

CT features of histiocytic medullary reticulosis, Lee KS; Kim WS; Yang SO; et al, Clin Radiol 1990; **41:** 201

CT of liver steatosis after subtotal pancreatectomy, Lundstedt C; Andrén-Sandberg A, Acta Radiol 1991; **32:** 30

dynamic hepatic CT, Foley WD, Radiology 1989; **170:** 617

dynamic hepatic CT: Drs Cox and Foley reply, Cox IH; Foley WD, Radiology 1991; **181:** 23

dynamic hepatic CT: Dr. Walkey replies, Walkey MM, Radiology 1991; **181:** 21

dynamic hepatic CT: how many years will it take 'til we learn?, Walkey MM, Radiology 1991; **181:** 17

evaluation of recurrent pyogenic cholangitis with CT: analysis of 50 patients, Chan F-L; Man S-W; Leong LLY; Fan S-T, Radiology 1989; **170:** 165

exophytic spread of hepatobiliary disease via perihepatic ligaments: demonstration with CT and US, Mori H; Aikawa H; Hirao K; Futagawa S; Fukuda T; Maeda H; Hayashi K, Radiology 1989; **172:** 41

exophytic spread of hepatobiliary disease via perihepatic ligaments, Oliphant M; Berne AS, Radiology 1989; **173:** 879

experimental investigation of a new iodinated lipid emulsion for computed tomography of the liver, Ivancev K; Lunderquist A; McCuskey R; et al, Acta Radiol 1989; **30:** 407

gastrohepatic ligament fibrosis following esophageal sclerotherapy: CT findings, Foster GS; Rosencranz M, JCAT 1989; **13:** 136

giant cavernous hemangioma of the liver: CT and MR imaging in 10 cases, Choi BI; Han MC; Park JH; et al, AJR 1989; **152:** 1221

hepatic abscess secondary to a fishbone penetrating the gastric wall: CT demonstration, Masunaga S-i; Abe M; Imura T; et al, Comput Med Imag Graph 1991; **15:** 113

hepatic echinococcosis complicated with transphrenic migration and bronchial fistula: CT demonstration, Grande D; Ruiz JC; Elizagaray E; et al, Gastrointest Radiol 1990; **15:** 115

hepatic imaging with computed tomography of chronic tyrosinaemia type 1, Macvicar D; Dicks-Mireaux C; Leonard JV; et al, Br J Radiol 1990; **63:** 605

hepatobiliary fascioliasis: noninvasive imaging findings, Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G, Radiology 1990; **174:** 809

hepatosplenic tuberculosis with hypersplenism: CT evaluation, Choi BI; Im J-G; Han MC; et al, Gastrointest Radiol 1989; **14:** 265

human liver regeneration after major hepatectomy: a study of liver volume by computed tomography, (ab), Chen M-F; Hwang T-L; Hung C-F, Radiology 1991; **181:** 290

hydatid cyst of the liver: identification of detached cyst lining on CT scans obtained after cyst puncture, Acunaş B; Rozanes I; Acunaş G; et al, AJR 1991; **156:** 751

increased lymphatic flow from the liver in different intra- and extrahepatic diseases demonstrated by CT, Aspestrand F; Schrumpf E; Jacobsen M; et al, JCAT 1991; **15:** 550

inhomogeneous enhancement of liver parenchyma secondary to passive congestion: contrast-enhanced CT, Holley HC; Koslin DB; Berland LL; Stanley RJ, Radiology 1989; **170:** 795

intrahepatic extramedullary hematopoiesis: MR, CT, and sonographic appearance, Warshauer DM; Schiebler ML, JCAT 1991; **15:** 683

isolated giant tuberculomata of the liver detected by computed tomography, Chan HS; Pang J, Gastrointest Radiol 1989; **14:** 305

liver, spleen, and vessels: preliminary clinical results of CT with perfluorooctylbromide, Bruneton J-N; Falewée M-N; François E; Cambon P; Philip C; Riess JG; Balu-Maestro C; Rogopoulos A, Radiology 1989; **170:** 179

long-term follow-up hepatitis using computed tomography, Ishikawa N; Nakagawa S; Hirata K; et al, JCAT 1989; **13:** 645

multifocal cytomegalovirus-associated hepatic lesions simulating metastases in AIDS, Vieco PT; Rochon L; Lisbona A, Radiology 1990; **176:** 123

nodular focal fatty infiltration of the liver in acquired porphyria cutanea tarda, Fluecklger F; Steiner H; Leitinger G; et al, Gastrointest Radiol 1991; **16:** 237

particulate contrast medium for computed tomography of the liver, Gjøen T; Strande P; Golman K; et al, Invest Radiol 1990; **25:** S98

perfusion characteristics of hepatic cavernous hemangioma using intravenous CT angiography (IVCTA), Gaa J; Saini S; Ferrucci JT, Eur J Radiol 1991; 12: 228

periportal contrast enhancement on CT scans of the liver, Hammerman AM; Kotner LM Jr; Doyle TB, AJR 1991; 156: 313

periportal low-attenuation areas on CT: value as evidence of liver transplant rejection, Kaplan SB; Sumkin JH; Campbell WL; et al, AJR 1989; 152: 285

periportal tracking in hepatic trauma: CT features, Macrander SJ; Lawson TL; Foley WD; et al, JCAT 1989; 13: 952

perivascular low attenuation zone at CT of liver transplants: a follow-up study, Aspestrand F; Mathisen Ø; Bergan A, Acta Radiol 1991; 32: 244

plexiform neurofibroma: report of an unusual presentation, Nguyen KT; Pace R; Ludwin S; et al, J Canad Assoc Radiol 1990; 41: 103

potential role of perfluorooctylbromide in the detection and characterization of liver lesions with CT, Mattrey RF, Radiology 1989; 170: 18

primary macronodular hepatic tuberculosis: US and CT appearances, Levine C, Gastrointest Radiol 1990; 15: 307

radio-opaque liposomes for the improved visualization of focal liver disease by computerized tomography, Henze A; Freise J; Magerstedt P; et al, Comput Med Imag Graph 1989; 13: 455

right window for dynamic hepatic CT, Cox IH; Foley WD; Hoffman RG, Radiology 1991; 181: 18

segmental approach to computerized tomographic portography for hepatic resection, (ab), Sugarbaker PH; Nelson RC; Murray DR; et al, Radiology 1991; 179: 589

sonographic and computed tomographic features of polycystic disease of the liver, Wan SKH; Cochlin DL, Gastrointest Radiol 1990; 15: 310

sonography and computed tomography of macroscopic tuberculosis of the liver, Brauner M; Buffard MD; Jeantils V; et al, JCU 1989; 17: 563

stonebearing gallbladders: CT anatomy as the key to safe percutaneous lithotripsy. work in progress, Hruby W; Urban M; Stackl W; Armbruster C; Marberger M, Radiology 1989; 173: 385

ultrasonography and computed tomography in diffuse liver disease with cholestasis, Partanen K; Pikkarainen P; Pasanen P; et al, Acta Radiol 1990; 31: 477

ultrasound and CT of multifocal liver abscesses caused by *Yersinia enterocolitica*, Leyman P; Baert AL; Marchal G; et al, JCAT 1989; 13: 913

unusual computed tomography findings in hepatic amyloidosis, Marmolya G; Karlins NL; Petrelli M; et al, Clin Imag 1990; 14: 248

unusual liver variant mimicking a retroperitoneal mass: CT scan appearance and diagnosis by SPECT imaging, Karlins NL; Marmolya G; Miron S, Clin Nucl Med 1990; 15: 560

Liver, cysts

central dot sign on CT of liver cysts, Herman TE; Siegel MJ, JCAT 1990; 14: 1019

ciliated hepatic foregut cyst: radiologic features, Kadoya M; Matsui O; Nakanuma Y; Yoshikawa J; Arai K; Takashima T; Amano M; Kimura M, Radiology 1990; 175: 475

ciliated hepatic foregut cyst with solid tumor appearance on CT, Kimura A; Makuuchi M; Takayasu K; et al, JCAT 1990; 14: 1016

CT appearance of cystic masses of the liver, Murphy BJ; Casillas J; Ros PR; Morillo G; Albores-Saavedra J; Rolfes DB, Radiographics 1989; 9: 307

differentiation of hepatic lesions with MR imaging: the last word?, Reinig JW, Radiology 1991; 179: 601

Echinococcus granulosus cysts in the liver: management with percutaneous drainage, Khuroo MS; Zargar SA; Mahajan R, Radiology 1991; 180: 141

focal hepatic lesions: differentiation with MR imaging at 0.5 T, Brown JJ; Lee JM; Lee JKT; Van Lom KJ; Malchow SC, Radiology 1991; 179: 675

hepatic cyst infection in autosomal dominant polycystic kidney disease, (ab), Telenti A; Torres VE; Gross JB Jr; et al, Radiology 1991; 178: 577

hydatid disease: MR imaging study, Marani SAD; Canossi GC; Nicoli FA; Alberti GP; Monni SG; Casolo PM, Radiology 1990; 175: 701

liver cysts associated with polycystic kidney disease: role of Tc-99m hepatobiliary imaging, Salam M; Keeffe EB, Clin Nucl Med 1989; 14: 803

percutaneous aspiration and alcohol sclerotherapy for symptomatic hepatic cysts: an alternative to surgical intervention, (ab), Kairaluoma MI; Leinonen A; Ståhlberg M; et al, Radiology 1990; 174: 898

percutaneous therapy for hepatic cysts: case report and review of literature, Buckenham TM; Teele R, Australas Radiol 1990; 34: 159

prevalance and characterization of simple hepatic cysts by ultrasound examination, Gaines PA; Sampson MA, Br J Radiol 1989; 62: 335

proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG, Radiology 1989; 173: 401

sonographic and computed tomographic features of polycystic disease of the liver, Wan SKH; Cochlin DL, Gastrointest Radiol 1990; 15: 310

sonographic features of von Meyenburg's complexes, Niizawa M; Itoh M; Mukojima T; et al, JCU 1991; 19: 288

Liver, diseases

abnormalities of the liver evaluated by ^{31}P MRS, Meyerhoff DJ; Karczmar GS; Weiner MW, Invest Radiol 1989; 24: 980

alcoholic liver disease: value of the left-to-right portal vein ratio in its sonographic diagnosis, Trigaux J-PP; Van Beers BE; Melange M; et al, Gastrointest Radiol 1991; 16: 215

asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; 178: 769

cirrhosis: diagnosis with sonographic study of the liver surface, Di Lelio A; Cestari C; Lomazzi A; Beretta L, Radiology 1989; 172: 389

comparison of liver histology with ultrasonography in assessing diffuse parenchymal liver disease, Joseph AEA; Saverymuttu SH; Al-Sam S; et al, Clin Radiol 1991; 43: 26

computerized ultrasound B-scan texture analysis of experimental diffuse parenchymal liver disease: correlation with histopathology and tissue composition, Layer G; Zuna I; Lorenz A; et al, JCU 1991; 19: 193

CT demonstration of right hepatic lobe atrophy, Demaerel P; Marchal G; Van Steenbergen W; et al, JCAT 1989; 13: 351

CT features of histiocytic medullary reticulosis, Lee KS; Kim WS; Yang SO; et al, Clin Radiol 1990; 41: 201

demonstration of hepatic granuloma due to visceral larva migrans by ultrasonography, Hirata T; Yamasaki K; Li Y-g; et al, JCU 1990; 18: 429

distinct hepatic retention of Tc-99m IDA in arteriohepatic dysplasia (Alagille syndrome), Aburano T; Yokoyama K; Takayama T; et al, Clin Nucl Med 1989; 14: 874

gallbladder wall thickening (congestive cholecystopathy) in chronic liver disease: a sign of portal hypertension, Saverymuttu SH; Grammatopoulos A; Meanock CI; et al, Br J Radiol 1990; 63: 922

hepatic actinomycosis with portal vein occlusion, Cheng YF; Hung CF; Liu YH; et al, Gastrointest Radiol 1989; 14: 268

hepatic iron overload: paramagnetic pathology, Stark DD, Radiology 1991; 179: 333

hepatic iron overload: quantitative MR imaging, Gomori JM; Horev G; Tamary H; Zandback J; Kornreich L; Zaizov R; Freud E; Krief O; Ben-Meir J; Rotem H; Kuspet M; Rosen P; Rachmilewitz EA; Loewenthal E; Gorodetsky R, Radiology 1991; 179: 367

hepatobiliary fascioliasis: noninvasive imaging findings, Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G, Radiology 1990; 174: 809

increased lymphatic flow from the liver in different intra- and extrahepatic diseases demonstrated by CT, Aspestrand F; Schrumpf E; Jacobsen M; et al, JCAT 1991; 15: 550

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; 171: 335

isolated giant tuberculomata of the liver detected by computed tomography, Chan HS; Pang J, Gastrointest Radiol 1989; 14: 305

MR imaging of acquired hepatocerebral degeneration, Kulisevsky J; Ruscalleda J; Grau JM, AJNR 1991; 12: 527

Osler-Weber-Rendu disease: MR findings in the liver, Varma DGK; Schoenberger SG; Kumra A; et al, JCAT 1989; 13: 134

patterns of gallium uptake in amebic liver abscesses, Verma RC; Ngo C; Yaghmai I, Clin Nucl Med 1989; 14: 523

quantitative ultrasonic detection and classification of diffuse liver disease: comparison with human observer performance, Garra BS; Insana MF; Shawker TH; et al, Invest Radiol 1989; 24: 196

recurrent spontaneous intrahepatic hemorrhage from peliosis hepatis, (ab), Hayward SR; Lucas CE; Ledgerwood AM, Radiology 1991; 181: 908

sonography and computed tomography of macroscopic tuberculosis of the liver, Brauner M; Buffard MD; Jeantils V; et al, JCU 1989; 17: 563

turtleback liver on CT and ultrasound: schistosoma japonica revisited, Albertyn LE; Ganguly BS; Cooper JE; et al, Australas Radiol 1990; 34: 78

ultrasound in the diagnosis of granulomatous liver disease, Mills P; Saverymuttu S; Fallowfield M; et al, Clin Radiol 1990; 41: 113

unusual computed tomography findings in hepatic amyloidosis, Marmolya G; Karlins NL; Petrelli M; et al, Clin Imag 1990; 14: 248

Liver, echinococcosis

alveolar echinococcosis of the liver: MR findings, Claudon M; Bessieres M; Regent D; et al, JCAT 1990; 14: 608

complications of hepatic hydatid cysts: ultrasound, computed tomography, and magnetic resonance diagnosis, Marti-Bonmati L; Serrano FM, Gastrointest Radiol 1990; 15: 119

echinococcal hepatic disease: magnetic resonance appearance, Wojtasek DA; Teixidor HS, Gastrointest Radiol 1989; 14: 158

Echinococcus granulosus cysts in the liver: management with percutaneous drainage, Khuroo MS; Zargar SA; Mahajan R, Radiology 1991; 180: 141

fine-needle biopsy of hepatic hydatids and haemangiomas: an overstated hazard, Langlois SLP, Australas Radiol 1989; 33: 144

hepatic echinococcosis complicated with transphrenic migration and bronchial fistula: CT demonstration, Grande D; Ruiz JC; Elizagaray E; et al, Gastrointest Radiol 1990; 15: 115

hydatid cyst of the liver: identification of detached cyst lining on CT scans obtained after cyst puncture, Acunaş B; Rozanes I; Acunaş G; et al, AJR 1991; 156: 751

hydatid disease: MR imaging study, Marani SAD; Canossi GC; Nicoli FA; Alberti GP; Monni SG; Casolo PM, Radiology 1990; 175: 701

percutaneous treatment of hydatid cysts (echinococcus granulosus), Gargouri M; Amor NB; Chehida FB; et al, Cardiovasc Intervent Radiol 1990; 13: 169

transdiaphragmatic rupture of calcified hepatic hydatid cyst, Low VHS, Australas Radiol 1991; 35: 199

value of ERCP in the diagnosis and management of pre- and postoperative biliary complications in hydatid disease of the liver, Magistrelli P; Masetti R; Coppola R; et al, Gastrointest Radiol 1989; 14: 315

Liver, effects of drugs on
barium sulfate absorption and sensitivity, Ahmed A; Hamza HM, Radiology 1989; **172:** 213
barium sulfate absorption and sensitivity, Ramani SK; Ismael AH, Radiology 1990; **174:** 895
barium sulfate absorption and sensitivity: reply, Berdon WE, Radiology 1989; **172:** 213

Liver, fatty
absence of fatty replacement in radiation damaged liver: CT demonstration, Cutillo DP; Swayne LC; Fasciano MG; et al, JCAT 1989; **13:** 259
asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; **178:** 769
computed tomographic and ultrasound appearances of focal spared areas in fatty infiltration of the liver, McKenzie A; Gill G; McIntosh R; et al, Australas Radiol 1991; **35:** 166
CT evaluation of atypical hepatic fatty metamorphosis, Adkins MC; Halvorsen RA Jr; duCret RP, JCAT 1990; **14:** 1013
CT of liver steatosis after subtotal pancreatectomy, Lundstedt C; Andrén-Sandberg A, Acta Radiol 1991; **32:** 30
fatty infiltration of the liver: quantification with phase-contrast MR imaging at 1.5 T vs biopsy, Levenson H; Greensite F; Hoefs J; et al, AJR 1991; **156:** 307
focal fatty infiltration of the liver: evaluation by planar and SPECT images, Schauwecker DS; Wass JL, Clin Nucl Med 1991; **16:** 449
focal hepatic fatty infiltration as a cause of pseudotumors: ultrasonographic patterns and clinical differentiation, Wang S-S; Chiang J-H; Tsai Y-T; et al, JCU 1990; **18:** 401
increased focal uptake of Tc-99m stannous phytate in an irregular fatty liver demonstrated by SPECT imaging, Imaeda T; Inoue A; Doi H; et al, Clin Nucl Med 1990; **15:** 504
in vivo NMR, biochemical, and histologic evaluation of alcohol-induced fatty liver in rat and a comparison with CCl_4 hepatotoxicity, Hazle JD; Narayana PA; Dunsford HA, Magn Res Med 1991; **19:** 124
multifocal cytomegalovirus-associated hepatic lesions simulating metastases in AIDS, Vieco PT; Rochon L; Lisbona A, Radiology 1990; **176:** 123
nodular focal fatty infiltration of the liver in acquired porphyria cutanea tarda, Flueckiger F; Steiner H; Leitinger G; et al, Gastrointest Radiol 1991; **16:** 237
paradoxical lack of ultrasound attenuation with gross fatty change in the liver, Davies RJ; Saverymuttu SH; Fallowfield M; et al, Clin Radiol 1991; **43:** 393
solitary defect on liver sulfur colloid imaging secondary to focal fatty infiltration, Black RR; Winfield DF; Fernandez-Ulloa M, Clin Nucl Med 1989; **14:** 603
stilette sign: the appearance of dilated bile ducts in the fatty liver, Ingram C; Joseph AEA, Clin Radiol 1989; **40:** 257
value of MR imaging in evaluating focal fatty infiltration of the liver: preliminary study, Dao TH; Mathieu D; Nguyen-tan T; Derhy S; Vasile N, Radiographics 1991; **11:** 1003
xenon-133 hepatic retention ratio: a useful index for fatty liver quantification, Yeh S-H; Wu L-C; Wang S-J; et al, J Nucl Med 1989; **30:** 1708

Liver, focal nodular hyperplasia
CT and MR appearance of focal nodular hyperplasia of the liver in children with biliary atresia, Ohtomo K; Itai Y; Hasizume K; et al, Clin Radiol 1991; **43:** 88
detection of focal nodular hyperplasia with liver colloid single photon emission computed tomography: a case report and review of the literature, Aktolun C; Bayhan H, Br J Radiol 1991; **64:** 64
focal nodular hyperplasia of the liver: assessment with contrast-enhanced turboFLASH MR imaging, Mathieu D; Rahmouni A; Anglade M-C; Falise B; Beges C; Gheung P; Mollet JJ; Vasile N, Radiology 1991; **180:** 25
focal nodular hyperplasia of the liver: correlation of Tc-99m DISIDA "hot spot" appearance with histopathologic findings, Desai MB; Kroop S; Sullivan J; et al, Clin Nucl Med 1989; **14:** 814
focal nodular hyperplasia of the liver: MR findings in 35 proved cases, Lee MJ; Saini S; Hamm B; et al, AJR 1991; **156:** 317
hepatic adenoma and focal nodular hyperplasia: a diagnostic dilemma, Low V; Khangure MS, Australas Radiol 1990; **34:** 124
hepatic focal nodular hyperplasia: specific findings at dynamic contrast-enhanced US with carbon dioxide microbubbles, Kudo M; Tomita S; Tochio H; Kashida H; Hirasa M; Todo A, Radiology 1991; **179:** 377
MRI of hepatic focal nodular hyperplasia: a report of two new cases in the pediatric age group, Tomá P; Taccone A; Martinoli C, Pediatr Radiol 1990; **20:** 267
ultrasound case of the day, Lee RA; Charboneau JW, Radiographics 1990; **10:** 954

Liver, function
effect of intravenous fructose on the P-31 MR spectrum of the liver: dose response in healthy volunteers, Terrier F; Vock P; Cotting J; Ladebeck R; Reichen J; Hentschel D, Radiology 1989; **171:** 557
hepatic function and drug pharmacokinetics after total body irradiation plus bone marrow transplant, Moulder JE; Fish BL; Holcenberg JS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1389
measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Juni JE; Reichle R, Radiology 1990; **177:** 171
quantification of hepatobiliary function as an integral part of imaging with technetium-99m-mebrofenin in health and disease, Doo E; Krishnamurthy GT; Eklem MJ; et al, J Nucl Med 1991; **32:** 48

Liver, hemorrhage
21-year experience with major hemorrhage after percutaneous liver biopsy, (ab), McGill DB; Rakela J; Zinsmeister AR; et al, JVIR 1991; **2:** 298
blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Conrad MR, Radiology 1989; **173:** 285
blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment: reply, Mirvis SE; Whitley NO, Radiology 1989; **173:** 285
blunt hepatic trauma in adults: CT-based classification and correlation with prognosis and treatment, Mirvis SE; Whitley NO; Vainwright JR Jr; Gens DR, Radiology 1989; **171:** 27
computed tomographic findings of ruptured hepatic malignancy, Kim PN II; Kim IY; Bae WK; et al, Gastrointest Radiol 1991; **16:** 334
hepatic subcapsular hematoma: an unusual complication of biliary lithotripsy, McGrath FP; Lee SH; Gibney RG; et al, AJR 1990; **154:** 1015
intraperitoneal hemorrhage from hepatocellular carcinoma: emergency chemoembolization or embolization, Okazaki M; Higashihara H; Koganemaru F; Nakamura T; Kitsuki H; Hoashi T; Makuuchi M, Radiology 1991; **180:** 647
massive bleeding after fine needle aspiration of liver angiosarcoma, Hertzanu Y; Peiser J; Zirkin H, Gastrointest Radiol 1990; **15:** 43
recurrent spontaneous intrahepatic hemorrhage from peliosis hepatis, (ab), Hayward SR; Lucas CE; Ledgerwood AM, Radiology 1991; **181:** 908
spontaneous hepatic hemorrhage in preeclampsia: treatment with hepatic arterial embolization, Terasaki KK; Quinn MF; Lundell CJ; Finck EJ; Pentecost MJ, Radiology 1990; **174:** 1039

Liver, hypertrophy
liver hypertrophy and portal hypertension in association with tumor thrombus in the portal vein: CT findings, Imaeda T; Sone Y; Yamawaki Y; et al, JCAT 1991; **15:** 542

Liver, infarction
antibody to cardiolipin causing hepatic infarction in a post partum patient with systemic lupus erythematosus, Young N; Wong KP, Australas Radiol 1991; **35:** 83
gastric and hepatic infarction following embolization of the left gastric artery: case report, Brown KT; Friedman WN; Marks RA; Saddekni S, Radiology 1989; **172:** 731
hepatic infarction detected on Tc-99m sulfur colloid imaging, Burke TS; Tatum JL, Clin Nucl Med 1990; **15:** 673
hepatic infarction in preeclampsia, Kronthal AJ; Fishman EK; Kuhlman JE; Bohlman ME, Radiology 1990; **177:** 726
infarction of the left hepatic lobe in a neonate on serial CTs: evolution of a pseudomass to atrophy, Haaga JR; Morrison SC; County J; et al, Pediatr Radiol 1991; **21:** 150
proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG, Radiology 1989; **173:** 401

Liver, infection
clinical spectrum of fungal infections after orthotopic liver transplantation, (ab), Castaldo P; Stratta RJ; Wood RP; et al, Radiology 1991; **180:** 883
multifocal cytomegalovirus-associated hepatic lesions simulating metastases in AIDS, Vieco PT; Rochon L; Lisbona A, Radiology 1990; **176:** 123
Nocardia infection in patients with liver transplants or chronic liver disease: radiologic findings, Raby N; Forbes G; Williams R, Radiology 1990; **174:** 713
Pneumocystis carinii involvement of the liver and spleen: CT demonstration, Fishman EK; Magid D; Kuhlman JE, JCAT 1990; **14:** 146
ultrasound and CT of multifocal liver abscesses caused by *Yersinia enterocolitica*, Leyman P; Baert AL; Marchal G; et al, JCAT 1989; **13:** 913

Liver, inflammation
See Hepatitis

Liver, injuries
blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Conrad MR, Radiology 1989; **173:** 285
blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment: reply, Mirvis SE; Whitley NO, Radiology 1989; **173:** 285
blunt hepatic trauma in adults: CT-based classification and correlation with prognosis and treatment, Mirvis SE; Whitley NO; Vainwright JR Jr; Gens DR, Radiology 1989; **171:** 27
blunt hepatic trauma: nonoperative management in adults, (ab), Federico JA; Horner WR; Clark DE; et al, Radiology 1991; **178:** 290
comparison between operative and nonoperative management of blunt injuries to the liver and spleen in adult and pediatric patients, (ab), Delius RE; Frankel W; Coran AG, Radiology 1990; **175:** 289
CT diagnosis of blunt hepatic and splenic injuries: a look to the future, Jeffrey RB Jr, Radiology 1989; **171:** 17
CT of an actively-hemorrhaging liver laceration in a 9-year-old child, Whitten C; Grimes C; Isler R; et al, Pediatr Radiol 1990; **20:** 558
expanding role of emergency embolization in the management of severe blunt hepatic trauma, Hashimoto S; Hiramatsu K; Ido K; et al, Cardiovasc Intervent Radiol 1990; **13:** 193
hepatic parenchymal and subcapsular gas after hepatic laceration caused by blunt abdominal trauma, Abramson SJ; Berdon WE; Kaufman RA; et al, AJR 1989; **153:** 1031
nonoperative management of blunt hepatic trauma in adults, (ab), Farnell MB; Spencer MP; Thompson E; et al, Radiology 1989; **171:** 586
periportal tracking in hepatic trauma: CT features, Macrander SJ; Lawson TL; Foley WD; et al, JCAT 1989; **13:** 952
unsuspected hepatic injury in the neonate-diagnosis by ultrasonography, Share JC; Pursley D; Teele RL, Pediatr Radiol 1990; **20:** 320

Liver, interventional procedure

basket removal of intraatrial catheter after liver transplantation: technical note, Singer J; Joyce P; Brems J, Cardiovasc Intervent Radiol 1989; **12:** 230

common bile duct and intrahepatic stones: results of transhepatic electrohydraulic lithotripsy in 50 patients, Bonnel DH; Liguory CE; Cornud FE; Lefebvre J-FP, Radiology 1991; **180:** 345

complications of percutaneous abdominal fine-needle biopsy: review, Smith EH, Radiology 1991; **178:** 253

diagnosis and percutaneous treatment of pyogenic hepatic abscesses, (ab), Hochbergs P; Forsberg L; Hederström E; et al, JVIR 1991; **2:** 299

Echinococcus granulosus cysts in the liver: management with percutaneous drainage, Khuroo MS; Zargar SA; Mahajan R, Radiology 1991; **180:** 141

hepatic bilomas due to hepatic artery thrombosis in liver transplant recipients: percutaneous drainage and clinical outcome, Kaplan SB; Zajko AB; Koneru B, Radiology 1990; **174:** 1031

hepatocellular carcinoma: treatment with a combination therapy of transcatheter arterial embolization and percutaneous ethanol injection, Tanaka K; Okazaki H; Nakamura S; Endo O; Inoue S; Takamura Y; Sugiyama M; Ohaki Y, Radiology 1991; **179:** 713

hilar biliary strictures after liver transplantation: cholangiography and percutaneous treatment, Ward EM; Kiely MJ; Maus TP; Wiesner RH; Krom RAF, Radiology 1990; **177:** 259

interventional treatment of hepatic arterial and venous pathology: a commentary, Rösch J; Petersen BD; Hall LD; et al, Cardiovasc Intervent Radiol 1990; **13:** 183

liver metastases: results of percutaneous ethanol injection in 14 patients, Livraghi T; Vettori C; Lazzaroni S, Radiology 1991; **179:** 709

multidisciplinary approach to complex endoscopic biliary intervention, Chespak LW; Ring EJ; Shapiro HA; Gordon RL; Ostroff JW, Radiology 1989; **170:** 995

percutaneous ethanol injection therapy of hepatoma, Livraghi T; Vettori C, Cardiovasc Intervent Radiol 1990; **13:** 146

percutaneous intrahepatic portosystemic shunt created via a femoral vein approach, LaBerge JM; Ring EJ; Gordon RL, Radiology 1991; **181:** 679

percutaneous therapy for hepatic cysts: case report and review of literature, Buckenham TM; Teele R, Australas Radiol 1990; **34:** 159

percutaneous treatment of hydatid cysts (echinococcus granulosus), Gargouri M; Amor NB; Chehida FB; et al, Cardiovasc Intervent Radiol 1990; **13:** 169

percutaneous treatment of pyogenic liver abscess: a critical analysis of results, Dondelinger RF; Kurdziel J-C; Gathy C, Cardiovasc Intervent Radiol 1990; **13:** 174

percutaneous treatments for biliary diseases, Akiyama H; Okazaki T; Takashima I; Satoh S; Ryan T; Iwamori S; Hidaka T; Morio K; Okuhara T, Radiology 1990; **176:** 25

perforated amebic liver abscesses: successful percutaneous treatment, Ken JG; vanSonnenberg E; Casola G; Christensen R; Polansky AM, Radiology 1989; **170:** 195

pleural block: technique for regional anesthesia during percutaneous hepatobiliary drainage, Rosenblatt M; Robalino J; Bergman A; Shevde K, Radiology 1989; **172:** 279

retained intrahepatic stones: treatment with piezoelectric lithotripsy combined with stone extraction, Choi BI; Han JK; Park YH; Yoon YB; Han MC; Kim C-W, Radiology 1991; **178:** 105

small hepatocellular carcinoma treated with percutaneous ethanol injection: MR imaging findings, Sironi S; Livraghi T; DelMaschio A, Radiology 1991; **180:** 333

transjugular intrahepatic portacaval stent shunt: preliminary clinical results, Richter GM; Noeldge G; Palmaz JC; Roessle M; Slegerstetter V; Franke M; Gerok W; Wenz W; Farthman E, Radiology 1990; **174:** 1027

US-guided percutaneous laser ablation of liver tissue in a chronic pig model, Dachman AH; McGehee JA; Beam TE; Burris JA; Powell DA, Radiology 1990; **176:** 129

Liver, iron content

adenomatous hyperplastic nodules in the cirrhotic liver: differentiation from hepatocellular carcinoma with MR imaging, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Arai K; Gabata T; Takashima T; Nakanuma Y; Terada T; Ida M, Radiology 1989; **173:** 123

hepatic iron overload: diagnosis and quantification by noninvasive imaging, Chezmar JL; Nelson RC; Malko JA; et al, Gastrointest Radiol 1990; **15:** 27

hepatic iron overload: paramagnetic pathology, Stark DD, Radiology 1991; **179:** 333

hepatic iron overload: quantitative MR imaging, Gomori JM; Horev G; Tamary H; Zandback J; Kornreich L; Zaizov R; Freud E; Krief O; Ben-Meir J; Rotem H; Kuspet M; Rosen P; Rachmilewitz EA; Loewenthal E; Gorodetsky R, Radiology 1991; **179:** 367

MRI of hepatic iron deposition in patients with renal transplant, Miller FH; Fisher MR; Soper W; et al, Gastrointest Radiol 1991; **16:** 229

parenchymal versus reticuloendothelial iron overload in the liver: distinction with MR imaging, Siegelman ES; Mitchell DG; Rubin R; Hann H-WL; Kaplan KR; Steiner RM; Rao VM; Schuster SJ; Burk DL Jr; Rifkin MD, Radiology 1991; **179:** 361

Liver, MR

abdominal-gastrointestinal radiology. RSNA '89 meeting notes, Balfe DM; Koehler RE; Lichtenstein JE, Radiology 1990; **174:** 602

abnormalities of the liver evaluated by ^{31}P MRS, Meyerhoff DJ; Karczmar GS; Weiner MW, Invest Radiol 1989; **24:** 980

alcoholic liver disease: quantitative image-guided P-31 MR spectroscopy, Meyerhoff DJ; Boska MD; Thomas AM; Weiner MW, Radiology 1989; **173:** 393

alveolar echinococcosis of the liver: MR findings, Claudon M; Bessieres M; Regent D; et al, JCAT 1990; **14:** 608

asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; **178:** 769

cavernous hemangioma of the liver: assessment of MR tissue specificity with a simplified T2 index, Mirowitz SA; Lee JKT; Heiken JP, JCAT 1990; **14:** 223

clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT, Radiology 1990; **174:** 361

clinical applications of magnetic resonance imaging of the liver, Thoeni RF, Invest Radiol 1991; **26:** 266

comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL, JMRI 1991; **1:** 357

comparison of Gd-BOPTA with Gd-DTPA in MR imaging of rat liver, Pavone P; Patrizio G; Buoni C; Tettamanti E; Passariello R; Musu C; Tirone P; Felder E, Radiology 1990; **176:** 61

complications of hepatic hydatid cysts: ultrasound, computed tomography, and magnetic resonance diagnosis, Marti-Bonmati L; Serrano FM, Gastrointest Radiol 1990; **15:** 119

dextran magnetite as a liver contrast agent, Magin RL; Bacic G; Niesman MR; et al, Magn Res Med 1991; **20:** 1

differentiation of hepatic hemangiomas from metastases by dynamic contrast-enhanced MR imaging, Hamm B; Fischer E; Taupitz M, JCAT 1990; **14:** 205

dynamic MR imaging of the liver with Gd-DTPA: initial clinical results, Edelman RR; Siegel JB; Singer A; et al, AJR 1989; **153:** 1213

echinococcal hepatic disease: magnetic resonance appearance, Wojtasek DA; Teixidor HS, Gastrointest Radiol 1989; **14:** 158

effect of intravenous fructose on the P-31 MR spectrum of the liver: dose response in healthy volunteers, Terrier F; Vock P; Cotting J; Ladebeck R; Reichen J; Hentschel D, Radiology 1989; **171:** 557

effects of chronic ethanol consumption on the intact rat liver studied by *in vivo* ^{31}P NMR spectroscopy, Brauer M; Ling M, Magn Res Med 1991; **20:** 100

evaluation of children for liver transplantation: value of MR imaging and sonography, Bisset GS III; Strife JL; Balistreri WF, AJR 1990; **155:** 351

fatty infiltration of the liver: quantification with phase-contrast MR imaging at 1.5 T vs biopsy, Levenson H; Greensite F; Hoefs J; et al, AJR 1991; **156:** 307

focal hepatic lesions: differentiation with MR imaging at 0.5 T, Brown JJ; Lee JM; Lee JKT; Van Lom KJ; Malchow SC, Radiology 1991; **179:** 675

focal nodular hyperplasia of the liver: MR findings in 35 proved cases, Lee MJ; Saini S; Hamm B; et al, AJR 1991; **156:** 317

ghost artifact on gradient-echo imaging: a potential pitfall in hepatic imaging, Silverman PM; Patt RH; Baum PA; et al, AJR 1990; **154:** 633

giant cavernous hemangioma of the liver: CT and MR imaging in 10 cases, Choi BI; Han MC; Park JH; et al, AJR 1989; **152:** 1221

hemangioma of the liver: characteristics exhibited on a 0.15 tesla scanner, Flak B; Ajzen S; Li DKB; et al, J Canad Assoc Radiol 1989; **40:** 135

hepatic cirrhosis and hepatitis: MR imaging enhanced with superparamagnetic iron oxide, Elizondo G; Weissleder R; Stark DD; Guerra J; Garza J; Fretz CJ; Todd LE; Ferrucci JT, Radiology 1990; **174:** 797

hepatic infarction in preeclampsia, Kronthal AJ; Fishman EK; Kuhlman JE; Bohlman ME, Radiology 1990; **177:** 726

hepatic iron overload: paramagnetic pathology, Stark DD, Radiology 1991; **179:** 333

hepatic iron overload: quantitative MR imaging, Gomori JM; Horev G; Tamary H; Zandback J; Kornreich L; Zaizov R; Freud E; Krief O; Ben-Meir J; Rotem H; Kuspet M; Rosen P; Rachmilewitz EA; Loewenthal E; Gorodetsky R, Radiology 1991; **179:** 367

hepatic transport of the magnetic resonance imaging contrast agent Fe(III)-*N*-(3-phenylglutaryl)desferrioxamine B, Hoener B-a; Tzika AA; Englestad BL; et al, Magn Res Med 1991; **17:** 509

hepatobiliary MR imaging: first human experience with MnDPDP, Lim KO; Stark DD; Leese PT; Pfefferbaum A; Rocklage SM; Quay SC, Radiology 1991; **178:** 79

hepatocellular carcinoma within siderotic regenerative nodules: appearance as a nodule within a nodule on MR images, Mitchell DG; Rubin R; Siegelman ES; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 101

hydatid disease: MR imaging study, Marani SAD; Canossi GC; Nicoli FA; Alberti GP; Monni SG; Casolo PM, Radiology 1990; **175:** 701

hyperintense cirrhotic nodules on MRI, Koslow SA; Davis PL; DeMarino GB; et al, Gastrointest Radiol 1991; **16:** 339

intrahepatic extramedullary hematopoiesis: MR, CT, and sonographic appearance, Warshauer DM; Schiebler ML, JCAT 1991; **15:** 683

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

in vivo NMR, biochemical, and histologic evaluation of alcohol-induced fatty liver in rat and a comparison with CCl_4 hepatotoxicity, Hazle JD; Narayana PA; Dunsford HA, Magn Res Med 1991; **19:** 124

iron-accumulating adenomatous hyperplastic nodule with malignant foci in the cirrhotic liver: histopathologic, quantitative iron, and magnetic resonance imaging in vitro studies, (ab), Terada T; Kadoya M; Nakanuma Y; et al, Radiology 1990; **177:** 290

liposome encapsulated $MnCl_2$ as a liver specific contrast agent for magnetic resonance imaging, Niesman MR; Bacic GG; Wright SM; et al, Invest Radiol 1990; **25:** 545

liver and pancreas: improved spin-echo T1 contrast by shorter echo time and fat suppression at 1.5 T, Mitchell DG; Vinitski S; Saponaro S; Tasciyan T; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 67

liver-specific contrast agents for MRI, Stark DD; Elizondo G; Fretz CJ, Invest Radiol 1990; **25:** S58

localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Engelstad BL; White DL; Moseley ME; Stark DD, Radiology 1990; **176:** 467

magnetic resonance imaging evaluation of spontaneous portosystemic collaterals, Rafal RB; Kosovsky PA; Jennis R; et al, Cardiovasc Intervent Radiol 1990; **13:** 40

motion-insensitive volume-selective pulse sequences for direct and proton-detected ^{13}C spectroscopy: detection of glycogen in the human liver *in vivo*, Knüttel A; Kimmich R; Spohn K-H, Magn Res Med 1991; **17:** 470

MR appearance of the liver after partial hepatectomy, Arrivé L; Hricak H; Goldberg HI; et al, AJR 1989; **152:** 1215

MR characterization of hepatic lesions by t-null inversion recovery sequence, Patrizio G; Pavone P; Testa A; et al, JCAT 1990; **14:** 96

MRI contrast media for the liver: efficacy in conditions of acute biliary obstruction, Leander P; Golman K; Klaveness J; et al, Invest Radiol 1990; **25:** 1130

MR imaging in idiopathic portal hypertension, Arai K; Matsui O; Kadoya M; et al, JCAT 1991; **15:** 405

MR imaging of hepatosplenic candidiasis superimposed on hemochromatosis, Cho J-S; Kim EE; Varma DGK; et al, JCAT 1990; **14:** 774

MR imaging of small hepatocellular carcinoma: effect of intratumoral copper content on signal intensity, Ebara M; Watanabe S; Kita K; Yoshikawa M; Sugiura N; Ohto M; Kondo F; Kondo Y, Radiology 1991; **180:** 617

MRI of disseminated neonatal hemangiomatosis: case report, Montgomery SP; Guillot AP; Barth RA, Pediatr Radiol 1990; **20:** 204

MRI of hepatic focal nodular hyperplasia: a report of two new cases in the pediatric age group, Tomá P; Taccone A; Martinoli C, Pediatr Radiol 1990; **20:** 267

MRI of hepatic iron deposition in patients with renal transplant, Miller FH; Fisher MR; Soper W; et al, Gastrointest Radiol 1991; **16:** 229

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

Osler-Weber-Rendu disease: MR findings in the liver, Varma DGK; Schoenberger SG; Kumra A; et al, JCAT 1989; **13:** 134

parenchymal versus reticuloendothelial iron overload in the liver: distinction with MR imaging, Siegelman ES; Mitchell DG; Rubin R; Hann H-WL; Kaplan KR; Steiner RM; Rao VM; Schuster SJ; Burk DL Jr; Rifkin MD, Radiology 1991; **179:** 361

phosphodiesters in the liver: the effect of field strength on the ^{31}P signal, Bates TE; Williams SR; Gadian DG, Magn Res Med 1989; **12:** 145

preclinical evaluation of MnDPDP: new paramagnetic hepatobiliary contrast agent for MR imaging, Elizondo G; Fretz CJ; Stark DD; Rocklage SM; Quay SC; Worah D; Tsang Y-M; Chen MC-M; Ferrucci JT, Radiology 1991; **178:** 73

preclinical profile of Gd-BOPTA: a liver-specific MRI contrast agent, Vittadini G; Felder E; Musu C; et al, Invest Radiol 1990; **25:** S59

regenerating nodules in hepatic cirrhosis: MR findings with pathologic correlation, Murakami T; Kuroda C; Marukawa T; et al, AJR 1990; **155:** 1227

regenerating nodules of liver cirrhosis: MR imaging with pathologic correlation, Ohtomo K; Itai Y; Ohtomo Y; et al, AJR 1990; **154:** 505

saturation effects in phosphorus-31 magnetic resonance spectra of the human liver, Cox IJ; Coutts GA; Gadian DG; et al, Magn Res Med 1991; **17:** 53

segmented turboFLASH: method for breath-hold MR imaging of the liver with flexible contrast, Edelman RR; Wallner B; Singer A; Atkinson DJ; Saini S, Radiology 1990; **177:** 515

signal suppression of normal liver tissue by phase corrected inversion recovery: a screening technique, Lehmann B; Fanucci E; Gigli F; et al, JCAT 1989; **13:** 650

some considerations for MR imaging of the liver, Crooks LE, Radiology 1991; **180:** 615

strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, Chien D; Atkinson DJ; Edelman RR, JMRI 1991; **1:** 63

T1-weighted sequences for MR imaging of the liver: comparison of three techniques for single-breath, whole-volume acquisition at 1.0 and 1.5 T, Semelka RC; Simm FC; Recht M; Deimling M; Lenz G; Laub GA, Radiology 1991; **180:** 629

T1-weighted snapshot gradient-echo MR imaging of the abdomen, Holsinger-Bampton AE; Riederer SJ; Campeau NG; Ehman RL; Johnson CD, Radiology 1991; **181:** 25

ultrafast magnetic resonance scanning of the liver with echo-planar imaging, Stehling MK; Charnley RM; Blamire AM; et al, Br J Radiol 1990; **63:** 430

viability testing of transplantation donor liver by ^1H NMR relaxometry, Holzmueller P; Reckendorfer H; Burgmann H; et al, Magn Res Med 1990; **16:** 173

volumetric rendering of MR images, Rusinek H; Mourino MR; Firooznia H; Weinreb JC; Chase NE, Radiology 1989; **171:** 269

Liver, necrosis

subcapsular hepatic necrosis in liver transplantation: CT appearance, Abécassis J-P; Parienté D; Hazebroucq V; et al, AJR 1991; **156:** 981

Liver, neoplasms

See Liver neoplasms

Liver, percutaneous drainage

See Liver, interventional procedure

Liver, radionuclide studies

atypical scintigraphic pattern of liver hemangioma, Hardoff R; Gips S; Milman U; et al, Clin Nucl Med 1989; **14:** 376

automated volume determination of the liver and spleen from Tc-99m colloid SPECT imaging: quantification of the liver functional and nonfunctional tissue in disease, Kavanagh GJ; Kavanagh JT; Kavanagh PBK; et al, Clin Nucl Med 1990; **15:** 495

auxiliary partial liver transplantation: imaging evaluation in 10 patients, Zonderland HM; Laméris JS; Terpstra OT; et al, AJR 1989; **153:** 981

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

congestive hepatomegaly—typical features on computed tomography, ultrasound and nuclear medicine, Cooper MA; Arkles LB; Hennessy OF; et al, Australas Radiol 1991; **35:** 44

correlation of technetium-99m-DISIDA hepatobiliary studies with biopsies in liver transplant patients, Kuni CC; Engeler CM; Nakhleh RE; et al, J Nucl Med 1991; **32:** 1545

detection of focal nodular hyperplasia with liver colloid single photon emission computed tomography: a case report and review of the literature, Aktolun C; Bayhan H, Br J Radiol 1991; **64:** 64

diagnosis of a liver abscess with Ga-67 and radiocolloid tomography, Sangar VK; Gini A; Fuentes RT; et al, Clin Nucl Med 1989; **14:** 443

diffuse lung uptake of technetium-99m sulfur colloid in malaria, Leclerc Y; Verreault J; Bisson G, J Nucl Med 1989; **30:** 117

distinct hepatic retention of Tc-99m IDA in arteriohepatic dysplasia (Alagille syndrome), Aburano T; Yokoyama K; Takayama T; et al, Clin Nucl Med 1989; **14:** 874

enlarged left lobe of the liver mistaken for a mass in the splenic region, Rao MG, Clin Nucl Med 1989; **14:** 134

enterogastric reflux demonstrated by radionuclide hepatobiliary scintigraphy, Shih W-J; Fockele DS, Semin Nucl Med 1990; **20:** 367

epigastric vein visualization on liver scan in severe bilharzial portal hypertension, Elgazzar AH; Sahweil A; Abdel-Dayem HM; et al, Clin Nucl Med 1990; **15:** 55

examples of complementary roles of abdominal CT and radiocolloid liver imaging, Shih W-J; Riley C, Clin Nucl Med 1989; **14:** 532

extrahepatic uptake of technetium-99m-phytate: a prognostic index in patients with cirrhosis, Picard D; Infante-Rivard C; Villeneuve J-P; et al, J Nucl Med 1990; **31:** 436

false-positive indium-111 WBC image secondary to an unusual configuration of the right hepatic lobe, Budde RB Jr; DeLong SR, Clin Nucl Med 1989; **14:** 64

focal fatty infiltration of the liver: evaluation by planar and SPECT images, Schauwecker DS; Wass JL, Clin Nucl Med 1991; **16:** 449

focal nodular hyperplasia of the liver: correlation of Tc-99m DISIDA "hot spot" appearance with histopathologic findings, Desai MB; Kroop S; Sullivan J; et al, Clin Nucl Med 1989; **14:** 814

gallium imaging in a case of Hodgkin's disease with involvement of the liver, Makhija M; Rebarber I; Sharon D, Clin Nucl Med 1989; **14:** 926

generalized increase of arterial blood flow to the liver observed at visceral radiocolloid angiography, Rudberg U; Hesser U; Udén R, Acta Radiol 1989; **30:** 597

hepatic infarction detected on Tc-99m sulfur colloid imaging, Burke TS; Tatum JL, Clin Nucl Med 1990; **15:** 673

hepatic localization of Tc-99m MAA during lower extremity venography, Kolla IS; Luna E; Alazraki NP, Clin Nucl Med 1989; **14:** 433

hepatic perfusion during hepatic artery infusion chemotherapy: evaluation with perfusion CT and perfusion scintigraphy, Miller DL; Carrasquillo JA; Lutz RJ; et al, JCAT 1989; **13:** 958

hollow right hepatic lobe: embolized hemangioma, Karimeddini MK; Klein BE, Clin Nucl Med 1991; **16:** 521

increased focal uptake of Tc-99m stannous phytate in an irregular fatty liver demonstrated by SPECT imaging, Imaeda T; Inoue A; Doi H; et al, Clin Nucl Med 1990; **15:** 504

increased lung uptake on technetium-99m-sulfur colloid liver-spleen scans in patients with hepatic venoocclusive disease following bone marrow transplantation, Jacobson AF; Marks MA; Kaplan WD, J Nucl Med 1990; **31:** 372

indium-111 WBC scan in acute toxic centrilobular hepatic necrosis, Davidson RM; Dhekne RD; Moore WH; et al, Clin Nucl Med 1989; **14:** 877

intrahepatic lesions demonstrated to be hemangiomas after a ten-year lapse, Antar MA; Mack JM; Spencer RP, Clin Nucl Med 1990; **14:** 708

liposome distribution after intravenous and selective intraarterial infusion in dogs, Wright KC; Kasi LP; Jahns MS; Hashimoto S; Wallace S, Radiology 1990; **176:** 691

liver uptake of Tc-99m PYP, Whitten CG; Luke BA, Clin Nucl Med 1991; **16:** 492

measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Juni JE; Reichle R, Radiology 1990; **177:** 171

misleading Ga-67–Tc-99m colloid subtraction liver scintigraphy in a patient with pheochromocytoma, Müller C; Klepetko W; Sinzinger H, Clin Nucl Med 1990; **15:** 744

patterns of gallium uptake in amebic liver abscesses, Verma RC; Ngo C; Yaghmai I, Clin Nucl Med 1989; **14:** 523

peripheral enhancement in a hepatic hemangioma seen in a technetium-99m DTPA renal image, Cabahug CJ; Shreeve WW; Bateman JL, Clin Nucl Med 1989; **14:** 66

PYP Maalox® localization in liver and spleen, Eisenberg B; Owens D; Stewart DL; et al, Clin Nucl Med 1989; **14:** 636

quantification of hepatobiliary function as an integral part of imaging with technetium-99m-mebrofenin in health and disease, Doo E; Krishnamurthy GT; Eklem MJ; et al, J Nucl Med 1991; **32:** 48

results of hepatobiliary imaging using Tc-99m EHIDA, Ansari SM; Ahmed R; Rokonuddin, Clin Nucl Med 1989; **14:** 354

role of hepatobiliary imaging in the evaluation and management of patients with common bile duct gallstones, Silfen D; Long WB; Alavi A, J Nucl Med 1991; **32:** 1261

role of Tc-99m IDA hepatobiliary and Tc-99m colloid hepatic imaging in primary biliary cirrhosis, Aburano T; Yokoyama K; Shuke N; et al, Clin Nucl Med 1991; **16:** 4

scintigraphic and ultrasound features of giant hemangiomas of the liver, Lisbona R; Derbekyan V; Novales-Diaz JA; et al, J Nucl Med 1989; **30:** 181

sincalide-augmented quantitative hepatobiliary scintigraphy (QHBS): definition of normal parameters and preliminary relationship between QHBS and sphincter of Oddi (SO) manometry in patients suspected of having SO dysfunction, Drane WE; Johnson DA, J Nucl Med 1990; **31:** 1462

solitary defect on liver sulfur colloid imaging secondary to focal fatty infiltration, Black RR; Winfield DF; Fernandez-Ulloa M, Clin Nucl Med 1989; **14:** 603

SPECT versus planar liver scintigraphy: is SPECT worth it?, Fawcett HD; Sayle BA, J Nucl Med 1989; **30:** 57

Tc-99m HMPAO labeled donor leukocyte scan in liver transplant, Erbaş B; Erbengi G; Haberal M, Clin Nucl Med 1991; **16:** 495

tracer kinetic modeling approaches for the quantification of hepatic function with technetium-99m DISIDA and scintigraphy, Gambhir SS; Hawkins RA; Huang S-C; et al, J Nucl Med 1989; **30:** 1507

uncommon scintigraphic findings of multiple hepatic hemangiomas, El-Desouki M; Joharjy IA; Al-Muzrakchi AM; et al, Clin Nucl Med 1991; **16:** 178

unusual liver variant mimicking a retroperitoneal mass: CT scan appearance and diagnosis by SPECT imaging, Karlins NL; Marmolya G; Miron S, Clin Nucl Med 1990; **15:** 560

variable patterns of technetium-99m MAA perfusion in the therapeutically embolized liver, Hall JT; Kim EE; Charnsangavej C; et al, J Nucl Med 1989; **30:** 1012

xenon-133 hepatic retention ratio: a useful index for fatty liver quantification, Yeh S-H; Wu L-C; Wang S-J; et al, J Nucl Med 1989; **30:** 1708

Liver, rupture

amoebic liver abscess: rupture into retroperitoneum, Tandon N; Karak PK; Mukhopadhyay S; et al, Gastrointest Radiol 1991; **16:** 240

haemoperitoneum secondary to spontaneous rupture of hepatocellular carcinoma: CT diagnosis, Pombo F; Arrojo L; Perez-Fontan J, Clin Radiol 1991; **43:** 321

Liver, size

acquired malposition of the colon and gallbladder in patients with cirrhosis: CT findings and clinical implications, Gore RM; Ghahremani GG; Joseph AE; Nemcek AA Jr; Marn CS; Vogelzang RL, Radiology 1989; **171:** 739

diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B, Radiology 1989; **171:** 349

human liver regeneration after major hepatectomy: a study of liver volume by computed tomography, (ab), Chen M-F; Hwang T-L; Hung C-F, Radiology 1991; **181:** 290

Liver, surgery

intra-abdominal sepsis after hepatic resection, (ab), Pace RF; Blenkharn JI; Edwards WJ; et al, Radiology 1989; **172:** 883

MR appearance of the liver after partial hepatectomy, Arrivé L; Hricak H; Goldberg HI; et al, AJR 1989; **152:** 1215

preoperative localization of focal liver lesions to specific liver segments: utility of CT during arterial portography, Nelson RC; Chezmar JL; Sugarbaker PH; Murray DR; Bernardino ME, Radiology 1990; **176:** 89

segmental liver anatomy, Martí-Bonmatí L, Radiology 1991; **179:** 585

segmental liver anatomy: reply, Nelson RC; Chezmar JL; Murray DR; Bernardino ME, Radiology 1991; **179:** 585

surgical decision making for large bowel cancer metastatic to the liver, Sugarbaker PH, Radiology 1990; **174:** 621

Liver, transplantation

abdominal CT findings after liver transplantation in 66 patients, Dupuy D; Costello P; Lewis D; et al, AJR 1991; **156:** 1167

adrenal hemorrhage after liver transplantation, Bowen A; Keslar PJ; Newman B; Hashida Y, Radiology 1990; **176:** 85

angiogenesis after hepatic arterial occlusion in liver transplant patients, Yedlicka JW Jr; Halloran J; Payne WD; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Letourneau JG, JVIR 1991; **2:** 235

auxiliary partial liver transplantation: imaging evaluation in 10 patients, Zonderland HM; Lamêris JS; Terpstra OT; et al, AJR 1989; **153:** 981

basket removal of intraatrial catheter after liver transplantation: technical note, Singer J; Joyce P; Brems J, Cardiovasc Intervent Radiol 1989; **12:** 230

biliary complications after liver transplantation in children, Letourneau JG; Hunter DW; Ascher NL; Roberts JP; Payne WD; Thompson WM; Najarian JS; Castaneda-Zuniga WR; Day DL, Radiology 1989; **170:** 1095

biliary complications after transplantation in children: role of imaging modalities, Pariente D; Bihet MH; Tammam S; et al, Pediatr Radiol 1991; **21:** 175

biliary complications following orthotopic liver transplantation, Evans RA; Raby ND; O'Grady JG; et al, Clin Radiol 1990; **41:** 190

clinical and radiologic features of malignant neoplasms in organ transplant recipients: cyclosporine-treated vs untreated patients, Honda H; Barloon TJ; Franken EA Jr; et al, AJR 1990; **154:** 271

clinical spectrum of fungal infections after orthotopic liver transplantation, (ab), Castaldo P; Stratta RJ; Wood RP; et al, Radiology 1991; **180:** 883

correlation of technetium-99m-DISIDA hepatobiliary studies with biopsies in liver transplant patients, Kuni CC; Engeler CM; Nakhleh RE; et al, J Nucl Med 1991; **32:** 1545

CT appearance of the Roux limb following choledochojejunostomy in liver transplantation, Greenler DP; Sumkin JH; Campbell WL, Gastrointest Radiol 1991; **16:** 41

dilated periportal lymphatics mimicking an anastomotic bile leak after liver transplantation, Rabin AM; Abramson AF; Manzarbeitia C; et al, Gastrointest Radiol 1991; **16:** 337

duplex Doppler ultrasonography for monitoring liver transplants, Kubota K; Billing H; Ericzon B-G; et al, Acta Radiol 1990; **31:** 279

evaluation of children for liver transplantation: value of MR imaging and sonography, Bisset GS III; Strife JL; Balistreri WF, AJR 1990; **155:** 351

false-negative duplex Doppler studies in children with hepatic artery thrombosis after liver transplantation, Hall TR; McDiarmid SV; Grant EG; et al, AJR 1990; **154:** 573

hemobilia complicating transhepatic catheter drainage in liver transplant recipients: management with selective embolization, Zajko AB; Chablani V; Bron KM; et al, Cardiovasc Intervent Radiol 1990; **13:** 285

hepatic artery anastomotic stenosis after transplantation: treatment with percutaneous transluminal angioplasty, Abad J; Hidalgo EG; Cantarero JM; Parga G; Fernandez R; Gomez M; Colina F; Moreno E, Radiology 1989; **171:** 661

hepatic bilomas due to hepatic artery thrombosis in liver transplant recipients: percutaneous drainage and clinical outcome, Kaplan SB; Zajko AB; Koneru B, Radiology 1990; **174:** 1031

hepatic lymphoma in cyclosporine-treated transplant recipients: sonographic and CT findings, Honda H; Franken EA Jr; Barloon TJ; et al, AJR 1989; **152:** 501

hilar biliary strictures after liver transplantation: cholangiography and percutaneous treatment, Ward EM; Kiely MJ; Maus TP; Wiesner RH; Krom RAF, Radiology 1990; **177:** 259

human orthotopic small intestine transplantation: radiologic assessment, Bach DB; Hurlbut DJ; Romano WM; Sutherland FR; Garcia BM; Wall WJ; Ghent CN; Grant DR, Radiology 1991; **180:** 37

imaging of and intervention for biliary complications after hepatic transplantation, Letourneau JG; Hunter DW; Payne WD; et al, AJR 1990; **154:** 729

intrahepatic cholangiographic abnormalities in liver transplants: correlation with biopsy evidence of rejection and other disorders, Bauman J; Campbell WL; Demetris AJ; et al, AJR 1989; **152:** 275

liver transplantation: current concepts, (ab), Wall WJ, Radiology 1989; **170:** 900

liver transplantation for hepatoblastoma in a child with congenital absence of the portal vein, Barton JW III; Keller MS, Pediatr Radiol 1989; **20:** 113

liver transplantation: MR angiography with surgical validation, Finn JP; Edelman RR; Jenkins RL; Lewis WD; Longmaid HE; Kane RA; Stokes KR; Mattle HP; Clouse ME, Radiology 1991; **179:** 265

liver transplant biopsies with a biopsy gun, Chezmar JL; Keith LL; Nelson RC; Plaire JC; Hertzler GL; Bernardino ME, Radiology 1991; **179:** 447

liver transplant rejection: value of the resistive index in Doppler US of hepatic arteries, Marder DM; DeMarino GB; Sumkin JH; Sheahan DG, Radiology 1989; **173:** 127

mucocele of the cystic duct remnant in eight liver transplant recipients: findings at cholangiography, CT, and US, Zajko AB; Bennett MJ; Campbell WL; Koneru B, Radiology 1990; **177:** 691

Nocardia infection in patients with liver transplants or chronic liver disease: radiologic findings, Raby N; Forbes G; Williams R, Radiology 1990; **174:** 713

obstruction to hepatic venous drainage after liver transplantation: treatment with balloon angioplasty, Zajko AB; Claus D; Clapuyt P; Esquivel CO; Moulin D; Starzl TE; de Ville de Goyet J; Otte JB, Radiology 1989; **170:** 763

obstructive dilatation of extrahepatic recipient and donor bile ducts complicating orthotopic liver transplantation: imaging and laboratory findings, Miller WJ; Campbell WL; Zajko AB; et al, AJR 1991; **157:** 29

percutaneous transhepatic portal vein angioplasty and stent placement after liver transplantation: early experience, Olcott EW; Ring EJ; Roberts JP; Ascher NL; Lake JR; Gordon RL, JVIR 1990; **1:** 17

periportal low-attenuation areas on CT: value as evidence of liver transplant rejection, Kaplan SB; Sumkin JH; Campbell WL; et al, AJR 1989; **152:** 285

perivascular low attenuation zone at CT of liver transplants: a follow-up study, Aspestrand F; Mathisen Ø; Bergan A, Acta Radiol 1991; **32:** 244

persistent bile leak after liver transplantation: biloma drainage and endoscopic retrograde cholangiopancreatographic sphincterotomy, Ward EM; Wiesner RH; Hughes RW; Krom RAF, Radiology 1991; **179:** 719

portal venous gas after hepatic transplantation: sonographic detection and clinical significance, Chezmar JL; Nelson RC; Bernardino ME, AJR 1989; **153:** 1203

pseudoportal Doppler signal in the partially obstructed inferior vena cava, Keller MS; Taylor KJW; Riely CA, Radiology 1989; **170:** 475

reversal of intrapulmonary shunting in cirrhosis after liver transplantation demonstrated by perfusion lung scan, Levin DP; Pison CF; Brandt M; et al, J Nucl Med 1991; **32:** 862

reversible hepatic transplant ischemia: case report and review of literature, Castaneda F; So SKS; Hunter DW; et al, Cardiovasc Intervent Radiol 1990; **13:** 88

role of radiology in the diagnosis and treatment of biliary complications after liver transplantation, Letourneau JG; Castaneda-Zuniga WR, Cardiovasc Intervent Radiol 1990; **13:** 278

safety and efficacy of a spring-propelled 18-gauge needle for US-guided liver biopsy, Sheets PW; Brumbaugh CJ; Kopecky KK; Pound DC; Filo RS, JVIR 1991; **2:** 147

sonographic demonstration of septicaemia with gas-forming organisms after liver transplantation, Jantsch H; Barton P; Függer R; et al, Clin Radiol 1991; **43:** 397

splenic infarction complicating pediatric liver transplantation: incidence and CT appearance, Lehar SC; Zajko AB; Koneru B; et al, JCAT 1990; **14:** 362

stenoses of vascular anastomoses after hepatic transplantation: treatment with balloon angioplasty, Raby N; Karani J; Thomas S; et al, AJR 1991; **157:** 167

subcapsular hepatic necrosis in liver transplantation: CT appearance, Abécassis J-P; Parienté D; Hazebroucq V; et al, AJR 1991; **156:** 981

Tc-99m HMPAO labeled donor leukocyte scan in liver transplant, Erbaş B; Erbengi G; Haberal M, Clin Nucl Med 1991; **16:** 495

transhepatic portal venography in potential pediatric liver transplant recipients, Rollins NK; Andrews WS; Barton RE, Radiology 1990; **174:** 262

variability of clinical presentation of hepatic artery thrombosis in pediatric liver transplantation: role of imaging modalities, Pariente D; Riou JY; Schmit P; et al, Pediatr Radiol 1990; **20:** 253

viability testing of transplantation donor liver by ^1H NMR relaxometry, Holzmueller P; Reckendorfer H; Burgmann H; et al, Magn Res Med 1990; **16:** 173

Liver, US

absence of the left lobe of the liver: US and CT appearance, Kakitsubata Y; Nakamura R; Mitsuo H; et al, Gastrointest Radiol 1991; **16:** 323

angiogenesis after hepatic arterial occlusion in liver transplant patients, Yedlicka JW Jr; Halloran J; Payne WD; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Letourneau JG, JVIR 1991; **2:** 235

auxiliary partial liver transplantation: imaging evaluation in 10 patients, Zonderland HM; Laméris JS; Terpstra OT; et al, AJR 1989; **153:** 981

cirrhosis: diagnosis with sonographic study of the liver surface, Di Lelio A; Cestari C; Lomazzi A; Beretta L, Radiology 1989; **172:** 389

comparison between ultrasonographic signs and the degree of portal hypertension in patients with cirrhosis, Vilgrain V; Lebrec D; Menu Y; et al, Gastrointest Radiol 1990; **15:** 218

comparison of liver histology with ultrasonography in assessing diffuse parenchymal liver disease, Joseph AEA; Saverymuttu SH; Al-Sam S; et al, Clin Radiol 1991; **43:** 26

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

complications of hepatic hydatid cysts: ultrasound, computed tomography, and magnetic resonance diagnosis, Marti-Bonmati L; Serrano FM, Gastrointest Radiol 1990; **15:** 119

computed tomographic and ultrasound appearances of focal spared areas in fatty infiltration of the liver, McKenzie A; Gill G; McIntosh R; et al, Australas Radiol 1991; **35:** 166

computerized ultrasound B-scan texture analysis of experimental diffuse parenchymal liver disease: correlation with histopathology and tissue composition, Layer G; Zuna I; Lorenz A; et al, JCU 1991; **19:** 193

congestive hepatomegaly—typical features on computed tomography, ultrasound and nuclear medicine, Cooper MA; Arkles LB; Hennessy OF; et al, Australas Radiol 1991; **35:** 44

correlation of Fourier spectral shift-determined hepatic acoustic attenuation coefficients with liver biopsy findings, Kuni CC; Johnson TK; Crass JR; et al, J Ultrasound Med 1989; **8:** 631

diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B, Radiology 1989; **171:** 349

duplex Doppler ultrasonography for monitoring liver transplants, Kubota K; Billing H; Ericzon B-G; et al, Acta Radiol 1990; **31:** 279

Echinococcus granulosus cysts in the liver: management with percutaneous drainage, Khuroo MS; Zargar SA; Mahajan R, Radiology 1991; **180:** 141

exophytic spread of hepatobiliary disease via perihepatic ligaments: demonstration with CT and US, Mori H; Aikawa H; Hirao K; Futagawa S; Fukuda T; Maeda H; Hayashi K, Radiology 1989; **172:** 41

exophytic spread of hepatobiliary disease via perihepatic ligaments, Oliphant M; Berne AS, Radiology 1989; **173:** 879

focal hepatic fatty infiltration as a cause of pseudotumors: ultrasonographic patterns and clinical differentiation, Wang S-S; Chiang J-H; Tsai Y-T; et al, JCU 1990; **18:** 401

hepatic hemangioma in the presence of fatty infiltration: an atypical sonographic appearance, Marsh JI; Gibney RG; Li DKB, Gastrointest Radiol 1989; **14:** 262

hepatic infarction in preeclampsia, Kronthal AJ; Fishman EK; Kuhlman JE; Bohlman ME, Radiology 1990; **177:** 726

hepatic ultrasonic tissue characterization of video image data, Kader KL; Hubbard S; Carroll BA, Invest Radiol 1990; **25:** 1091

hepatobiliary fasciolíasis: noninvasive imaging findings, Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G, Radiology 1990; **174:** 809

hepatofugal arterial signal in the main portal vein: an indicator of intravascular tumor spread, Pozniak MA; Baus KM, Radiology 1991; **180:** 663

identification of hepatic cirrhosis by duplex Doppler ultrasound: value of the hepatic artery resistive index, Pierce ME; Sewell R, Australas Radiol 1990; **34:** 331

intrahepatic extramedullary hematopoiesis: MR, CT, and sonographic appearance, Warshauer DM; Schiebler ML, JCAT 1991; **15:** 683

intraoperative ultrasound of the liver affects operative decision making, (ab), Parker GA; Lawrence W Jr; Horsley JS; et al, Radiology 1989; **173:** 585

liver glycogen and water storage: effect on ultrasound attenuation, Tuthill TA; Baggs RB; Parker KJ, Ultrasound Med Biol 1989; **15:** 621

liver hemodynamic flow balance by image-directed Doppler ultrasound evaluation in normal subjects, Bombelli L; Genitoni V; Biasi S; et al, JCU 1991; **19:** 257

liver transplant rejection: value of the resistive index in Doppler US of hepatic arteries, Marder DM; DeMarino GB; Sumkin JH; Sheahan DG, Radiology 1989; **173:** 127

multifocal cytomegalovirus-associated hepatic lesions simulating metastases in AIDS, Vieco PT; Rochon L; Lisbona A, Radiology 1990; **176:** 123

nodular focal fatty infiltration of the liver in acquired porphyria cutanea tarda, Fluecklger F; Steiner H; Leitinger G; et al, Gastrointest Radiol 1991; **16:** 237

papillary process of the caudate lobe of the liver: sonographic appearance, Donoso L; Martinez-Noguera A; Zidan A; Lora F, Radiology 1989; **173:** 631

paradoxical lack of ultrasound attenuation with gross fatty change in the liver, Davies RJ; Saverymuttu SH; Fallowfield M; et al, Clin Radiol 1991; **43:** 393

plexiform neurofibroma: report of an unusual presentation, Nguyen KT; Pace R; Ludwin S; et al, J Canad Assoc Radiol 1990; **41:** 103

pre- to postnatal reduction in ultrasound attenuation coefficient of the liver, Carson PL; Chiang EH; Rubin JM; et al, Invest Radiol 1991; **26:** 8

prevalance and characterization of simple hepatic cysts by ultrasound examination, Gaines PA; Sampson MA, Br J Radiol 1989; **62:** 335

primary macronodular hepatic tuberculosis: US and CT appearances, Levine C, Gastrointest Radiol 1990; **15:** 307

quantitative ultrasonic detection and classification of diffuse liver disease: comparison with human observer performance, Garra BS; Insana MF; Shawker TH; et al, Invest Radiol 1989; **24:** 196

scintigraphic and ultrasound features of giant hemangiomas of the liver, Lisbona R; Derbekyan V; Novales-Diaz JA; et al, J Nucl Med 1989; **30:** 181

segmental anatomy of the liver: a sonographic approach to the Couinaud nomenclature, Lafortune M; Madore F; Patriquin H; Breton G, Radiology 1991; **181:** 443

sonographic and computed tomographic features of polycystic disease of the liver, Wan SKH; Cochlin DL, Gastrointest Radiol 1990; **15:** 310

sonographic appearance of extramedullary hematopoiesis in the liver, Abbitt PL; Teates CD, JCU 1989; **17:** 280

sonographic demonstration of septicaemia with gas-forming organisms after liver transplantation, Jantsch H; Barton P; Függer R; et al, Clin Radiol 1991; **43:** 397

sonographic diagnosis of cholangitis in AIDS patients, Defalque D; Menu Y; Girard P-M; et al, Gastrointest Radiol 1989; **14:** 143

sonographic recognition of intraparenchymal regenerating nodules using high-frequency transducers in patients with cirrhosis, Giorgio A; Francica G; de Stefano G; et al, J Ultrasound Med 1991; **10:** 355

sonography and computed tomography of macroscopic tuberculosis of the liver, Brauner M; Buffard MD; Jeantils V; et al, JCU 1989; **17:** 563

transdiaphragmatic liver scanning: a new intraoperative imaging technique for examination of the liver from the thoracic cavity, Machi J; Sigel B; Kurohiji T; et al, JCU 1990; **18:** 31

ultrasonic diagnosis of cirrhosis: reference to quantitative measurements of hepatic dimensions, Goyal AK; Pokharna DS; Sharma SK, Gastrointest Radiol 1990; **15:** 32

ultrasonic features of pyogenic and amoebic hepatic abscesses, Oleszczuk-Raszke K; Cremin BJ; Fisher RM; et al, Pediatr Radiol 1989; **19:** 230

ultrasonographic follow-up of liver cirrhosis, Zoli M; Cordiani MR; Marchesini G; et al, JCU 1990; **18:** 91

ultrasonography and computed tomography in diffuse liver disease with cholestasis, Partanen K; Pikkarainen P; Pasanen P; et al, Acta Radiol 1990; **31:** 477

ultrasound and CT of multifocal liver abscesses caused by *Yersinia enterocolitica*, Leyman P; Baert AL; Marchal G; et al, JCAT 1989; **13:** 913

ultrasound appearances of extramedullary haematopoiesis in the liver and spleen, Bradley MJ; Metreweli C, Br J Radiol 1990; **63:** 816

ultrasound in the diagnosis of granulomatous liver disease, Mills P; Saverymuttu S; Fallowfield M; et al, Clin Radiol 1990; **41:** 113

ultrasound properties of liver with and without particulate contrast agents, Tuthill TA; Baggs RB; Violante MR; et al, Ultrasound Med Biol 1991; **17:** 231

US-guided percutaneous laser ablation of liver tissue in a chronic pig model, Dachman AH; McGehee JA; Beam TE; Burris JA; Powell DA, Radiology 1990; **176:** 129

Zollinger-Ellison syndrome: prospective assessment of abdominal US in the localization of gastrinomas, London JF; Shawker TH; Doppman JL; Frucht HH; Vinayek R; Stark HA; Miller LS; Miller DL; Norton JA; Jensen RT; Gardner JD; Maton PN, Radiology 1991; **178:** 763

Liver neoplasms

abdominal mass in a four-year-old boy, Murphy JS; Freimanis RI; Harmon BH, Invest Radiol 1990; **25:** 1058

adenomatous hyperplastic nodules in the cirrhotic liver: a therapeutic approach. work in progress, Livraghi T; Sangalli G; Vettori C, Radiology 1989; **170:** 155

biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Choi BI; Lim JH; Han MC; Lee DH; Kim SH; Kim YI; Ki C-W, Radiology 1989; **171:** 57

case of fibrolamellar hepatocellular carcinoma, Kearney D; Donlon JB; Mendelson RM, Australas Radiol 1991; **35:** 88

case report: benign cholangioma of the liver, Evans SE; Harris I; Williams CE, Clin Radiol 1989; **40:** 427

diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B, Radiology 1989; **171:** 349

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

duplex pulsed Doppler sonography of portal vein thrombosis in hepatocellular carcinoma, Wang L-Y; Lin Z-Y; Chang W-Y; et al, J Ultrasound Med 1991; **10:** 265

dynamic hepatic CT, Foley WD, Radiology 1989; **170:** 617

extrahepatic tumor deposits misdiagnosed as intrahepatic metastases, (ab), Hughes KS; Miller DL; Neuman R; et al, Radiology 1989; **171:** 291

fibrolamellar carcinoma of the liver: an immunohistochemical study of nineteen cases and a review of the literature, (ab), Berman MA; Burnham JA; Sheahan DG; et al, Radiology 1989; **170:** 581

focal hepatic lesions: comparative MR imaging at 0.5 and 1.5 T, Steinberg HV; Alarcon JJ; Bernardino ME, Radiology 1990; **174:** 153

follow-up imaging of benign pediatric liver tumors, Leary DL; Weiskittel DA; Blane CE; et al, Pediatr Radiol 1989; **19:** 234

haemoperitoneum secondary to spontaneous rupture of hepatocellular carcinoma: CT diagnosis, Pombo F; Arrojo L; Perez-Fontan J, Clin Radiol 1991; **43:** 321

hepatic focal nodular hyperplasia: specific findings at dynamic contrast-enhanced US with carbon dioxide microbubbles, Kudo M; Tomita S; Tochio H; Kashida H; Hirasa M; Todo A, Radiology 1991; **179:** 377

hepatic inferior vena cava obstruction: treatment of two types with Gianturco expandable metallic stents, Furui S; Sawada S; Irie T; Makita K; Yamauchi T; Kusano S; Ibukuro K; Nakamura H; Takenaka E, Radiology 1990; **176:** 665

hepatic Kaposi sarcoma in AIDS: US and CT findings, Luburich P; Bru C; Ayuso MC; Azón A; Condom E, Radiology 1990; **175:** 172

hepatic neoplasia: breath-hold MR imaging, Winkler ML; Thoeni RF; Luh N; Kaufman L; Margulis AR, Radiology 1989; **170:** 801

hepatic neoplasms: detection with hepatoportal subtraction angiography—a new technique of DSA, Takahashi K; Saito K; Tamura K; Honda M; Touei H; Sakai O; Kawashima Y; Kuji T; Ohtani M; Kawamoto T; Ohsawa T, Radiology 1990; **177:** 243

hepatic neoplasms: effects of transcatheter arterial embolization on coagulation and fibrinolysis, Katsushima S; Oi H; Nakagawa K; Iida Y; Hidaka A; Hatabu H; Kusui T; Konishi J, Radiology 1990; **174:** 747

hepatic venography in the surgical assessment of hepatic tumours, Odurny A; McLoughlin MJ; Colapinto RF; et al, Br J Radiol 1989; **62:** 6

hepatocellular carcinoma associated with polyarteritis nodosa with symptoms appearing after intra-arterial chemotherapy, Minakuchi K; Fujimoto K; Takada K; et al, Br J Radiol 1991; **64:** 272

hepatocellular carcinomas with excessive copper accumulation: CT and MR findings, Kitagawa K; Matsui O; Kadoya M; Takashima T; Kawamori Y; Yamahana T; Kidani H; Hirano M; Masuda S; Nakanuma Y; Haratake J, Radiology 1991; **180:** 623

hepatocellular carcinoma within siderotic regenerative nodules: appearance as a nodule within a nodule on MR images, Mitchell DG; Rubin R; Siegelman ES; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 101

hepatofugal arterial signal in the main portal vein: an indicator of intravascular tumor spread, Pozniak MA; Baus KM, Radiology 1991; **180:** 663

hepatosplenic AIDS-related Kaposi's sarcoma, Valls C; Cañas C; Turell LG; et al, Gastrointest Radiol 1991; **16:** 342

liver, spleen, and vessels: preliminary clinical results of CT with perfluorooctylbromide, Bruneton J-N; Falewée M-N; François E; Cambon P; Philip C; Riess JG; Balu-Maestro C; Rogopoulos A, Radiology 1989; **170:** 179

liver transplantation for hepatoblastoma in a child with congenital absence of the portal vein, Barton JW III; Keller MS, Pediatr Radiol 1989; **20:** 113

MR imaging of small hepatocellular carcinoma: effect of intratumoral copper content on signal intensity, Ebara M; Watanabe S; Kita K; Yoshikawa M; Sugiura N; Ohto M; Kondo F; Kondo Y, Radiology 1991; **180:** 617

pathomorphologic characteristics of 102 cases of Thorotrast-related hepatocellular carcinoma, cholangiocarcinoma, and hepatic angiosarcoma, (ab), Ito Y; Kojiro M; Nakashima T; et al, Radiology 1989; **171:** 290

pediatric case of the day, Nimkin K; Griscom NT, Radiographics 1991; **11:** 338

percutaneous transhepatic placement of biliary endoprostheses: results in 100 consecutive patients, Dick BW; Gordon RL; LaBerge JM; Doherty MM; Ring EJ, JVIR 1990; **1:** 97

potential role of perfluorooctylbromide in the detection and characterization of liver lesions with CT, Mattrey RF, Radiology 1989; **170:** 18

preoperative localization of focal liver lesions to specific liver segments: utility of CT during arterial portography, Nelson RC; Chezmar JL; Sugarbaker PH; Murray DR; Bernardino ME, Radiology 1990; **176:** 89

primary hepatocellular adenoma in men, Pulpeiro JR; Orduña M; Jimenez J; et al, JCU 1989; **17:** 269

proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG, Radiology 1989; **173:** 401

radiological-pathological correlation of hepatocellular carcinoma (HCC), Kreel L; Arnold MM; Chan MSY; et al, Clin Radiol 1991; **44:** 42

radiology of cystic liver tumours, Philips RL, Australas Radiol 1989; **33:** 66

regional anesthesia for hepatic arterial embolization, Coldwell DM; Loper KA, Radiology 1989; **172:** 1039

registration of liver cancer data—a study on the reliability of the Swedish Cancer Registry, Kaczynski J; Wallerstedt S, Acta Oncol 1989; **28:** 716

segmental liver anatomy, Martí-Bonmatí L, Radiology 1991; **179:** 585

segmental liver anatomy: reply, Nelson RC; Chezmar JL; Murray DR; Bernardino ME, Radiology 1991; **179:** 585

small hepatocellular carcinoma versus small cavernous hemangioma: differentiation with MR imaging at 2.0 T, Choi BI; Han MC; Kim C-W, Radiology 1990; **176:** 103

spontaneous liver adenoma in a child, Bourliere-Najean B; Panuel M; Guys JM; et al, Pediatr Radiol 1989; **20:** 95

T1-weighted snapshot gradient-echo MR imaging of the abdomen, Holsinger-Bampton AE; Riederer SJ; Campeau NG; Ehman RL; Johnson CD, Radiology 1991; **181:** 25

ultrasound case of the day, Reading CC; Charboneau JW, Radiographics 1990; **10:** 511

unsatisfactory hepatic perfusion after placement of an implanted pump and catheter system: angiographic correlation, Andrews JC; Williams DM; Cho KJ; Knol JA; Wahl RL; Ensminger WD, Radiology 1989; **173:** 779

Liver neoplasms, angiography

comparative study between ultrasound, computed tomography, intra-arterial digital subtraction angiography, and magnetic resonance imaging in the differentiation of tumors of the liver, Vlachos L; Trakadas S; Gouliamos A; et al, Gastrointest Radiol 1990; **15:** 102

effect of somatostatin analogue (octreotide) on blood flow to endocrine tumors metastatic to the liver: angiographic evaluation, Cho KJ; Vinik AI, Radiology 1990; **177:** 549

encapsulated hepatocellular carcinoma: radiologic findings and pathologic correlation, Ros PR; Murphy BJ; Buck JL; et al, Gastrointest Radiol 1990; **15:** 233

evaluation of intrahepatic tumour extent and prediction of resection size in liver tumours by computed tomography, ultrasonography and angiography, Tidebrant G; Hafström LO; Tylén U, Acta Radiol 1989; **30:** 395

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

hepatic arterial chemotherapy: role of angiography, Cho KJ; Andrews JC; Williams DM; Doenz F; Guy GE, Radiology 1989; **173:** 783

hepatic epithelioid hemangioendothelioma: report of five cases, Furui S; Itai Y; Ohtomo K; Yamauchi T; Takenaka E; Iio M; Ibukuro K; Shichijo Y; Inoue Y, Radiology 1989; **171:** 63

hepatic focal nodular hyperplasia: specific findings at dynamic contrast-enhanced US with carbon dioxide microbubbles, Kudo M; Tomita S; Tochio H; Kashida H; Hirasa M; Todo A, Radiology 1991; **179:** 377

hepatic neoplasms: detection with hepatoportal subtraction angiography—a new technique of DSA, Takahashi K; Saito K; Tamura K; Honda M; Touei H; Sakai O; Kawashima Y; Kuji T; Ohtani M; Kawamoto T; Ohsawa T, Radiology 1990; **177:** 243

hypovascular hepatocellular carcinoma undetected at angiography and CT with iodized oil, Yoshimatsu S; Inoue Y; Ibukuro K; Suzuki S, Radiology 1989; **171:** 343

intraarterial digital subtraction angiography in detection of hepatocellular carcinoma, Takahashi K; Furuse M; Saito K; et al, Cardiovasc Intervent Radiol 1989; **12:** 61

intraarterial portography with gadopentetate dimeglumine: improved liver-to-lesion contrast in MR imaging, Pavone P; Giuliani S; Cardone G; Occhiato R; Di Renzi P; Petroni GA; Buoni C; Passariello R, Radiology 1991; **179:** 693

intraperitoneal hemorrhage from hepatocellular carcinoma: emergency chemoembolization or embolization, Okazaki M; Higashihara H; Koganemaru F; Nakamura T; Kitsuki H; Hoashi T; Makuuchi M, Radiology 1991; **180:** 647

new projection for portography, Tamura S; Kodama T; Sameijima M; Yuki Y; Watanabe K, Radiology 1989; **173:** 279

small hepatocellular carcinoma: detection with sonography, computed tomography (CT), angiography and Lipiodol-CT, Choi BI; Park JH; Kim BH; et al, Br J Radiol 1989; **62:** 897

staging of hepatocellular carcinoma by ultrasonography, computed tomography, and angiography: the role of CT combined with arterial portography, Garbagnati F; Spreafico C; Marchianò A; et al, Gastrointest Radiol 1991; **16:** 225

unsatisfactory hepatic perfusion after placement of an implanted pump and catheter system: angiographic correlation, Andrews JC; Williams DM; Cho KJ; Knol JA; Wahl RL; Ensminger WD, Radiology 1989; **173:** 779

Liver neoplasms, blood supply

effect of somatostatin analogue (octreotide) on blood flow to endocrine tumors metastatic to the liver: angiographic evaluation, Cho KJ; Vinik AI, Radiology 1990; **177:** 549

hepatic arterial chemotherapy: role of angiography, Cho KJ; Andrews JC; Williams DM; Doenz F; Guy GE, Radiology 1989; **173:** 783

modulation of liver tumor blood flow with hepatic arterial epinephrine: a SPECT study, Andrews JC; Walker-Andrews SC; Juni JE; Warber S; Ensminger WD, Radiology 1989; **173:** 645

tumor vascularization: assessment with duplex sonography, Dock W; Grabenwöger F; Metz V; Eibenberger K; Farrés MT, Radiology 1991; **181:** 241

Liver neoplasms, CT

angiosarcoma of the liver mimicking cavernous hemangioma on dynamic CT, Itai Y; Teraoka T, JCAT 1989; **13:** 910

automated measurement of tumour extent in patients with colorectal liver metastases from x-ray computed tomography, Perring S; Hunt TM; Fleming JS; et al, Br J Radiol 1991; **64:** 494

biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Choi BI; Lim JH; Han MC; Lee DH; Kim SH; Kim YI; Ki C-W, Radiology 1989; **171:** 57

biliary cystadenoma: ultrasound, CT, and MRI, Palacios E; Shannon M; Solomon C; et al, Gastrointest Radiol 1990; **15:** 313

comparative study between ultrasound, computed tomography, intra-arterial digital subtraction angiography, and magnetic resonance imaging in the differentiation of tumors of the liver, Vlachos L; Trakadas S; Gouliamos A; et al, Gastrointest Radiol 1990; **15:** 102

comparison of computed tomography and magnetic resonance imaging in the evaluation of focal hepatic lesions, Barakos JA; Goldberg HI; Brown JJ; et al, Gastrointest Radiol 1990; **15:** 93

comparison of non-enhanced, bolus enhanced, and delayed scanning techniques in computed tomography of hepatic tumours, Tidebrant G; Asztely M; Lukes P; et al, Acta Radiol 1990; **31:** 161

computed tomographic arteriography of the liver using balloon occlusion, Hosoki T; Marukawa T; Hori S; et al, Acta Radiol 1990; **31:** 167

computed tomographic findings of ruptured hepatic malignancy, Kim PN II; Kim IY; Bae WK; et al, Gastrointest Radiol 1991; **16:** 334

CT evaluation of suspected hepatic metastases: comparison of techniques for IV contrast enhancement, Paushter DM; Zeman RK; Schiebler ML; et al, AJR 1989; **152:** 267

CT manifestations of a ruptured hepatic tumor after transcatheter arterial embolization, Nagata Y; Kohno S; Saga T; et al, Comput Med Imag Graph 1989; **13:** 419

CT of fibrolamellar hepatocellular carcinoma, Soyer P; Roche A; Levesque M; et al, JCAT 1991; **15:** 533

CT of primary lymphoma of the liver, Sanders LM; Botet JF; Straus DJ; et al, AJR 1989; **152:** 973

delayed enhancement of ascites following high-dose contrast CT for liver metastases, Minutoli A; Volta S; Gaeta M, JCAT 1989; **13:** 916

detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW, Radiology 1989; **171:** 47

detection of hepatocellular carcinoma: comparison of CT during arterial portography with CT after intraarterial injection of iodized oil, Merine D; Takayasu K; Wakao F, Radiology 1990; **175:** 707

diagnosis and staging of hepatocellular carcinoma: comparison of CT and sonography in 36 liver transplantation patients, Miller WJ; Federle MP; Campbell WL, AJR 1991; **157:** 303

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

dynamic CT of hepatic masses using intraarterial enhancement: advantages and pitfalls, Dolenz KB; Li KCP; Hawkins IF Jr; et al, Gastrointest Radiol 1990; **15:** 241

dynamic CT vs 0.5 T MR imaging in the detection of surgically proven hepatic metastases, Zeman RK; Dritschilo A; Silverman PM; et al, JCAT 1989; **13:** 637

dynamic hepatic CT, Foley WD, Radiology 1989; **170:** 617

encapsulated hepatocellular carcinoma: radiologic findings and pathologic correlation, Ros PR; Murphy BJ; Buck JL; et al, Gastrointest Radiol 1990; **15:** 233

evaluation of intrahepatic tumour extent and prediction of resection size in liver tumours by computed tomography, ultrasonography and angiography, Tidebrant G; Hafström LO; Tylén U, Acta Radiol 1989; **30:** 395

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

hepatic dynamic sequential CT: section enhancement profiles with a bolus ofionic and nonionic contrast agents, Nelson RC; Moyers JH; Chezmar JL; Hoel MJ; Jones EC; Peterson JE; Cork RD; Bernardino ME, Radiology 1991; **178:** 499

hepatic epithelioid hemangioendothelioma: report of five cases, Furui S; Itai Y; Ohtomo K; Yamauchi T; Takenaka E; Iio M; Ibukuro K; Shichijo Y; Inoue Y, Radiology 1989; **171:** 63

hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL, Radiology 1991; **181:** 469

hepatic metastases: CT versus MR imaging at 1.5T, Vassiliades VG; Foley WD; Alarcon J; et al, Gastrointest Radiol 1991; **16:** 159

hepatic metastases: false-negative CT portography in cases of fatty infiltration, Llauger J; Pérez C; Coscojuela P; et al, JCAT 1991; **15:** 320

hepatic pseudolesion: appearance of focal low attenuation in the medial segment of the left lobe at CT arterial portography, Fernandez MdP; Bernardino ME, Radiology 1991; **181:** 809

hepatic tumors: comparison of CT during arterial portography, delayed CT, and MR imaging for preoperative evaluation, Nelson RC; Chezmar JL; Sugarbaker PH; Bernardino ME, Radiology 1989; **172:** 27

hepatocellular carcinomas with excessive copper accumulation: CT and MR findings, Kitagawa K; Matsui O; Kadoya M; Takashima T; Kawamori Y; Yamahana T; Kidani H; Hirano M; Masuda S; Nakanuma Y; Haratake J, Radiology 1991; **180:** 623

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; **172:** 689

hypovascular hepatocellular carcinoma undetected at angiography and CT with iodized oil, Yoshimatsu S; Inoue Y; Ibukuro K; Suzuki S, Radiology 1989; **171:** 343

lipiodol computerized tomography: how sensitive and specific is the technique in the diagnosis of hepatocellular carcinoma?, Ngan H, Br J Radiol 1990; **63:** 771

lipiodol enhanced CT scanning in assessment of hepatocellular carcinoma, Raby N; Karani J; Michell M; et al, Clin Radiol 1989; **40:** 480

lipoma of the liver: US, CT, and MRI appearance, Marti-Bonmati L; Menor F; Vizcaino I; et al, Gastrointest Radiol 1989; **14:** 155

liver metastases: results of percutaneous ethanol injection in 14 patients, Livraghi T; Vettori C; Lazzaroni S, Radiology 1991; **179:** 709

liver-tumor boundary detection: human observer vs computer edge detection, Williams DM; Bland P; Liu L; et al, Invest Radiol 1989; **24:** 768

liver tumor imaging: current concepts, Ferrucci JT, AJR 1990; **155:** 473

nontumorous attenuation differences on computed tomographic portography, Van Beers BE; Pringot J; Gigot J-F; et al, Gastrointest Radiol 1990; **15:** 107

preoperative localization of focal liver lesions to specific liver segments: utility of CT during arterial portography, Nelson RC; Chezmar JL; Sugarbaker PH; Murray DR; Bernardino ME, Radiology 1990; **176:** 89

preoperative segmental localization of hepatic metastases: utility of three-dimensional CT during arterial portography, Soyer P; Roche A; Gad M; Shapeero L; Breittmayer F; Elias D; Lasser P; Rougier P; Levesque M, Radiology 1991; **180:** 653

primary malignant liver tumors in childhood: assessment of resectability with high-field MR and comparison with CT, Finn JP; Hall-Craggs MA; Dicks-Mireaux C; et al, Pediatr Radiol 1990; **21:** 34

segmental liver anatomy, Martí-Bonmatí L, Radiology 1991; **179:** 585

segmental liver anatomy: reply, Nelson RC; Chezmar JL; Murray DR; Bernardino ME, Radiology 1991; **179:** 585

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

small hepatocellular carcinoma: detection with sonography, computed tomography (CT), angiography and Lipiodol-CT, Choi BI; Park JH; Kim BH; et al, Br J Radiol 1989; **62:** 897

staging of hepatocellular carcinoma by ultrasonography, computed tomography, and angiography: the role of CT combined with arterial portography, Garbagnati F; Spreafico C; Marchianò A; et al, Gastrointest Radiol 1991; **16:** 225

straight line sign: appearance and significance during CT portography, Tyrrel RT; Kaufman SL; Bernardino ME, Radiology 1989; **173:** 635

surgical decision making for large bowel cancer metastatic to the liver, Sugarbaker PH, Radiology 1990; **174:** 621

Liver neoplasms, diagnosis

acalculous cholecystitis complicating hepatic intraarterial lipiodol: case report, Yeung E; Jackson J; Finn JP; et al, Cardiovasc Intervent Radiol 1989; **12:** 80

adenomatous hyperplastic nodules in the cirrhotic liver: differentiation from hepatocellular carcinoma with MR imaging, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Arai K; Gabata T; Takashima T; Nakanuma Y; Terada T; Ida M, Radiology 1989; **173:** 123

benign and malignant nodules in cirrhotic livers: distinction based on blood supply, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Takashima T; Nakanuma Y; Unoura M; Kobayashi K; Izumi R; Ida M; Kitagawa K, Radiology 1991; **178:** 493

central scars in primary liver tumors: MR features, specificity, and pathologic correlation, Rummeny E; Weissleder R; Sironi S; Stark DD; Compton CC; Hahn PF; Saini S; Wittenberg J; Ferrucci JT, Radiology 1989; **171:** 323

ciliated hepatic foregut cyst: radiologic features, Kadoya M; Matsui O; Nakanuma Y; Yoshikawa J; Arai K; Takashima T; Amano M; Kimura M, Radiology 1990; **175:** 475

clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT, Radiology 1990; **174:** 361

definitive diagnosis of hepatic hemangiomas: MR imaging versus Tc-99m-labeled red blood cell SPECT, Birnbaum BA; Weinreb JC; Megibow AJ; Sanger JJ; Lubat E; Kanamuller H; Noz ME; Bosniak MA, Radiology 1990; **176:** 95

detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW, Radiology 1989; **171:** 47

detection of hepatic metastases: comparison of contrast-enhanced CT, unenhanced MR imaging, and iron oxide-enhanced MR imaging, Fretz CJ; Stark DD; Metz CE; et al, AJR 1990; **155:** 763

detection of hepatocellular carcinoma: comparison of CT during arterial portography with CT after intraarterial injection of iodized oil, Merine D; Takayasu K; Wakao F, Radiology 1990; **175:** 707

diagnosis and staging of hepatocellular carcinoma: comparison of CT and sonography in 36 liver transplantation patients, Miller WJ; Federle MP; Campbell WL, AJR 1991; **157:** 303

diagnosis of small hepatocellular carcinomas: efficacy of various imaging procedures in 100 patients, Takayasu K; Moriyama N; Muramatsu Y; et al, AJR 1990; **155:** 49

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

differentiation of hepatic lesions with MR imaging: the last word?, Reinig JW, Radiology 1991; **179:** 601

early hepatocellular carcinoma: MR imaging, Muramatsu Y; Nawano S; Takayasu K; Moriyama N; Yamada T; Yamasaki S; Hirohashi S, Radiology 1991; **181:** 209

encapsulated hepatocellular carcinoma: radiologic findings and pathologic correlation, Ros PR; Murphy BJ; Buck JL; et al, Gastrointest Radiol 1990; **15:** 233

fatal carcinoid crisis after percutaneous fine-needle biopsy of hepatic metastasis: case report and literature review, Bissonnette RT; Gibney RG; Berry BR; Buckley AR, Radiology 1990; **174:** 751

focal hepatic lesions: differentiation with MR imaging at 0.5 T, Brown JJ; Lee JM; Lee JKT; Van Lom KJ; Malchow SC, Radiology 1991; **179:** 675

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

hepatic adenoma and focal nodular hyperplasia: a diagnostic dilemma, Low V; Khangure MS, Australas Radiol 1990; **34:** 124

hepatic epithelioid hemangioendothelioma: report of five cases, Furui S; Itai Y; Ohtomo K; Yamauchi T; Takenaka E; Iio M; Ibukuro K; Shichijo Y; Inoue Y, Radiology 1989; **171:** 63

hepatic focal nodular hyperplasia: specific findings at dynamic contrast-enhanced US with carbon dioxide microbubbles, Kudo M; Tomita S; Tochio H; Kashida H; Hirasa M; Todo A, Radiology 1991; **179:** 377

hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL, Radiology 1991; **181:** 469

hepatic Kaposi sarcoma in AIDS: US and CT findings, Luburich P; Bru C; Ayuso MC; Azón A; Condom E, Radiology 1990; **175:** 172

hepatic metastases: false-negative CT portography in cases of fatty infiltration, Llauger J; Pérez C; Coscojuela P; et al, JCAT 1991; **15:** 320

hepatic tumors: quantitative tissue characterization with MR imaging, Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT, Radiology 1990; **176:** 107

hepatic tumors: signal enhancement at Doppler US after intravenous injection of a contrast agent, Goldberg BB; Hilpert PL; Burns PN; Liu J-B; Newman LM; Merton DA; Witlin LA, Radiology 1990; **177:** 713

hepatocellular carcinoma within siderotic regenerative nodules: appearance as a nodule within a nodule on MR images, Mitchell DG; Rubin R; Siegelman ES; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 101

hypovascular hepatocellular carcinoma undetected at angiography and CT with iodized oil, Yoshimatsu S; Inoue Y; Ibukuro K; Suzuki S, Radiology 1989; **171:** 343

intraarterial portography with gadopentetate dimeglumine: improved liver-to-lesion contrast in MR imaging, Pavone P; Giuliani S; Cardone G; Occhiato R; Di Renzi P; Petroni GA; Buoni C; Passariello R, Radiology 1991; **179:** 693

liver-lesion tissue contrast on MR images: effect of iron oxide concentration and magnetic field strength, Thickman D; Hendrick RE; Jerjian KA; Schanker CS, Radiology 1990; **176:** 557

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; **180:** 31

malignant hepatic tumors: P-31 MR spectroscopy with one-dimensional chemical shift imaging, Francis IR; Chenevert TL; Gubin B; Collumb L; Ensminger W; Walker-Andrews S; Glazer GM, Radiology 1991; **180:** 341

preoperative hepatic imaging for lesion detection, (ab), Freeny PC, Radiology 1991; **181:** 610

primary liver tumors: diagnosis by MR imaging, Rummeny E; Weissleder R; Stark DD; et al, AJR 1989; **152:** 63

receptor imaging: application to MR imaging of liver cancer, Reimer P; Weissleder R; Lee AS; Wittenberg J; Brady TJ, Radiology 1990; **177:** 729

role of ultrasound guided fine needle aspiration biopsy in the diagnosis of hepatocellular carcinoma, (ab), Sbolli G; Fornari F; Civardi G; et al, Radiology 1991; **179:** 589

small hepatocellular carcinoma and cavernous hemangioma: differentiation with dynamic FLASH MR imaging with Gd-DTPA, Yoshida H; Itai Y; Ohtomo K; Kokubo T; Minami M; Yashiro N, Radiology 1989; **171:** 339

small hepatocellular carcinoma versus small cavernous hemangioma: differentiation with MR imaging at 2.0 T, Choi BI; Han MC; Kim C-W, Radiology 1990; **176:** 103

superparamagnetic iron oxide–enhanced MR imaging: pulse sequence optimization for detection of liver cancer, Fretz CJ; Elizondo G; Weissleder R; Hahn PF; Stark DD; Ferrucci JT Jr, Radiology 1989; **172:** 393

ultrasound case of the day, Lee RA; Charboneau JW, Radiographics 1990; **10:** 954

use of magnetite particles as a contrast agent for MR imaging of the liver, Kawamura Y; Endo K; Watanabe Y; Saga T; Nakai T; Hikita H; Kagawa K; Konishi J, Radiology 1990; **174:** 357

value of MR imaging in evaluating focal fatty infiltration of the liver: preliminary study, Dao TH; Mathieu D; Nguyen-tan T; Derhy S; Vasile N, Radiographics 1991; **11:** 1003

Liver neoplasms, metastases

case report 535, Reed JD Jr; Fishman EK; Kuhlman JE; et al, Skeletal Radiol 1989; **18:** 161

case report: cranial metastasis from hepatocellular carcinoma, Miura T; Hirabuki N; Kozuka T, Clin Radiol 1990; **42:** 445

detection of hepatocellular carcinoma: comparison of CT during arterial portography with CT after intraarterial injection of iodized oil, Merine D; Takayasu K; Wakao F, Radiology 1990; **175:** 707

echocardiographic findings of mobile atrial hepatocellular carcinoma: report of five cases, Chua SO; Chiang C-W; Lee Y-S; et al, J Ultrasound Med 1989; **8:** 347

massive abdominal lymph node metastases in hepatocellular carcinoma, Pombo F, Acta Radiol 1991; **32:** 88

osseous metastases from hepatocellular carcinoma: embolization for pain control, Nagata Y; Nakano Y; Abe M; et al, Cardiovasc Intervent Radiol 1989; **12:** 149

Tc-99m HIDA hepatobiliary agent in the diagnosis of pulmonary metastasis from hepatocellular carcinoma, Wang P-W; Tai D-I; Chen H-Y, Clin Nucl Med 1991; **16:** 120

Liver neoplasms, MR

9.4-T NMR microimaging studies of hepatic metastases of human colorectal tumors in nude mice, Sarkar SK; Clark RK; Rycyna RE; et al, Magn Res Med 1989; **12:** 268

abdominal-gastrointestinal radiology. RSNA '88 meeting notes, Moss AA; Balfe DM; Baron RL; Stanley RJ, Radiology 1989; **170:** 597

adenomatous hyperplastic nodules in the cirrhotic liver: differentiation from hepatocellular carcinoma with MR imaging, Matsui O; Kadoya M; Kameyama T; Yoshikawa J; Arai K; Gabata T; Takashima T; Nakanuma Y; Terada T; Ida M, Radiology 1989; **173:** 123

biliary cystadenoma: ultrasound, CT, and MRI, Palacios E; Shannon M; Solomon C; et al, Gastrointest Radiol 1990; **15:** 313

central scars in primary liver tumors: MR features, specificity, and pathologic correlation, Rummeny E; Weissleder R; Sironi S; Stark DD; Compton CC; Hahn PF; Saini S; Wittenberg J; Ferrucci JT, Radiology 1989; **171:** 323

characterization of intrahepatic space-occupying lesions by magnetic resonance imaging, Vellet AD, J Canad Assoc Radiol 1991; **42:** 165

clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT, Radiology 1990; **174:** 361

comparative study between ultrasound, computed tomography, intra-arterial digital subtraction angiography, and magnetic resonance imaging in the differentiation of tumors of the liver, Vlachos L; Trakadas S; Gouliamos A; et al, Gastrointest Radiol 1990; **15:** 102

comparison of computed tomography and magnetic resonance imaging in the evaluation of focal hepatic lesions, Barakos JA; Goldberg HI; Brown JJ; et al, Gastrointest Radiol 1990; **15:** 93

comparison of STIR and spin-echo MR imaging at 1.5 T in 90 lesions of the chest, liver, and pelvis, Shuman WP; Baron RL; Peters MJ; et al, AJR 1989; **152:** 853

definitive diagnosis of hepatic hemangiomas: MR imaging versus Tc-99m-labeled red blood cell SPECT, Birnbaum BA; Weinreb JC; Megibow AJ; Sanger JJ; Lubat E; Kanamuller H; Noz ME; Bosniak MA, Radiology 1990; **176:** 95

detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW, Radiology 1989; **171:** 47

detection of hepatic metastases with MR imaging: spin-echo vs phase-contrast pulse sequences at 0.6 T, Rummeny E; Saini S; Stark DD; et al, AJR 1989; **153:** 1207

detection of liver metastases with superparamagnetic iron oxide in 15 patients: results of MR imaging at 1.5 T, Marchal G; Van Hecke P; Demaerel P; et al, AJR 1989; **152:** 771

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

differential diagnosis of ringed hepatic lesions in MR imaging, Hahn PF; Stark DD; Saini S; et al, AJR 1990; **154:** 287

differentiation between small hepatic hemangiomas and metastases on MR images: importance of size-specific quantitative criteria, Itoh K; Saini S; Hahn PF; et al, AJR 1990; **155:** 61

differentiation of hepatic lesions with MR imaging: the last word?, Reinig JW, Radiology 1991; **179:** 601

direct hepatic tumor injection in rats: can it be used for analysis of MR imaging contrast agents?, Murphy FB; Fernandez MdP; Kossoff MB; Dillehay DL; Malko JA; Bernardino ME, JMRI 1991; **1:** 83

dynamic CT vs 0.5 T MR imaging in the detection of surgically proven hepatic metastases, Zeman RK; Dritschilo A; Silverman PM; et al, JCAT 1989; **13:** 637

dynamic gadolinium-enhanced rapid acquisition spin-echo MR imaging of the liver, Mirowitz SA; Lee JKT; Gutierrez E; Brown JJ; Heiken JP; Eilenberg SS, Radiology 1991; **179:** 371

dynamic sequential MR imaging of focal liver lesions: initial experience in 22 patients at 1.5 T, Schmiedl U; Kölbel G; Hess CF; et al, JCAT 1990; **14:** 600

dynamic spin-echo imaging with Gd-DTPA: value in the differentiation of hepatic tumors, Van Beers BE; Demeure R; Pringot J; et al, AJR 1990; **154:** 515

early hepatocellular carcinoma: MR imaging, Muramatsu Y; Nawano S; Takayasu K; Moriyama N; Yamada T; Yamasaki S; Hirohashi S, Radiology 1991; **181:** 209

experimental hepatocellular carcinoma: MR receptor imaging, Reimer P; Weissleder R; Brady TJ; Yeager AE; Baldwin BH; Tennant BC; Wittenberg J, Radiology 1991; **180:** 641

ferrite particles (AMI25): influence of cirrhosis and chemotherapy on magnetic resonance imaging of metastasis, Clement O; Schouman-Claeys E; Frija G, Invest Radiol 1990; **25:** S61

field-echo pulse sequences used under suspended respiration for detection of liver metastases, Andersson T; Nyman R; Ericsson A; et al, Acta Radiol 1989; **30:** 285

focal hepatic lesions: comparative MR imaging at 0.5 and 1.5 T, Steinberg HV; Alarcon JJ; Bernardino ME, Radiology 1990; **174:** 153

focal hepatic lesions: differentiation with MR imaging at 0.5 T, Brown JJ; Lee JM; Lee JKT; Van Lom KJ; Malchow SC, Radiology 1991; **179:** 675

focal nodular hyperplasia of the liver: assessment with contrast-enhanced turboFLASH MR imaging, Mathieu D; Rahmouni A; Anglade M-C; Falise B; Beges C; Gheung P; Mollet JJ; Vasile N, Radiology 1991; **180:** 25

gadolinium-DOTA enhanced fast imaging of liver tumors at 1.5 T, Marchal G; Demaerel P; Decrop E; et al, JCAT 1990; **14:** 217

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

hepatic colorectal metastases: correlation of MR imaging and pathologic appearance, Outwater E; Tomaszewski JE; Daly JM; Kressel HY, Radiology 1991; **180:** 327

hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL, Radiology 1991; **181:** 469

hepatic hemangiomas vs metastases: MR differentiation at 1.5 T, Lombardo DM; Baker ME; Spritzer CE; et al, AJR 1990; **155:** 55

hepatic metastases: CT versus MR imaging at 1.5T, Vassiliades VG; Foley WD; Alarcon J; et al, Gastrointest Radiol 1991; **16:** 159

hepatic metastases: liposomal Gd-DTPA–enhanced MR imaging, Unger EC; Winokur T; MacDougall P; Rosenblum J; Clair M; Gatenby RA; Tilcock CP, Radiology 1989; **171:** 81

hepatic neoplasia: breath-hold MR imaging, Winkler ML; Thoeni RF; Luh N; Kaufman L; Margulis AR, Radiology 1989; **170:** 801

hepatic tumors: comparison of CT during arterial portography, delayed CT, and MR imaging for preoperative evaluation, Nelson RC; Chezmar JL; Sugarbaker PH; Bernardino ME, Radiology 1989; **172:** 27

hepatic tumors: quantitative tissue characterization with MR imaging, Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT, Radiology 1990; **176:** 107

hepatocellular carcinoma: MR appearance mimicking cavernous hemangioma, Ohtomo K; Itai Y; Matuoka Y; et al, JCAT 1990; **14:** 650

hepatocellular carcinomas with excessive copper accumulation: CT and MR findings, Kitagawa K; Matsui O; Kadoya M; Takashima T; Kawamori Y; Yamahana T; Kidani H; Hirano M; Masuda S; Nakanuma Y; Haratake J, Radiology 1991; **180:** 623

intraarterial portography with gadopentetate dimeglumine: improved liver-to-lesion contrast in MR imaging, Pavone P; Giuliani S; Cardone G; Occhiato R; Di Renzi P; Petroni GA; Buoni C; Passariello R, Radiology 1991; **179:** 693

lesion/fat intensity ratio in MR characterization of hepatic masses, Marti-Bonmati L; Torrijo C; Vilar J; et al, JCAT 1991; **15:** 539

lipoma of the liver: US, CT, and MRI appearance, Marti-Bonmati L; Menor F; Vizcaino I; et al, Gastrointest Radiol 1989; **14:** 155

liver-lesion tissue contrast on MR images: effect of iron oxide concentration and magnetic field strength, Thickman D; Hendrick RE; Jerjian KA; Schanker CS, Radiology 1990; **176:** 557

liver metastases: detection with MR imaging at 0.5 and 1.5 T, Reinig JW; Dwyer AJ; Miller DL; Frank JA; Adams GW; Chang AE, Radiology 1989; **170:** 149

liver tumor imaging: current concepts, Ferrucci JT, AJR 1990; **155:** 473

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; **180:** 31

localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Engelstad BL; White DL; Moseley ME; Stark DD, Radiology 1990; **176:** 467

low field magnetic resonance imaging of focal hepatic masses at 0.02 T, Ekelund L; Athlin L, Acta Radiol 1989; **30:** 591

magnetic resonance imaging of hepatic adenoma, Coombs RJ; Woldenberg LS; Skeel RT; et al, Clin Imag 1990; **14:** 44

magnetic resonance imaging of liver tumors, Weissleder R; Stark DD, Semin US CT MR 1989; **10:** 63

malignant hepatic tumors: P-31 MR spectroscopy with one-dimensional chemical shift imaging, Francis IR; Chenevert TL; Gubin B; Collumb L; Ensminger W; Walker-Andrews S; Giazer GM, Radiology 1991; **180:** 341

mesenchymal hamartoma in a 10-month-old infant: appearance by magnetic resonance imaging, Roberts EA; Liu P; Stringer D; et al, J Canad Assoc Radiol 1989; **40:** 219

mosaic pattern of encapsulated hepatocellular carcinoma: correlation of magnetic resonance imaging and pathology, Choi BI; Lee GK; Kim ST; et al, Gastrointest Radiol 1990; **15:** 238

MR demonstration of edema adjacent to a liver metastasis: pathologic correlation, Lee MJ; Saini S; Compton CC; et al, AJR 1991; **157:** 499

MR differentiation of hepatocellular carcinoma from cavernous hemangioma: complementary roles of FLASH and T2 values, Ohtomo K; Itai Y; Yoshida H; et al, AJR 1989; **152:** 505

MR findings in liver adenomatosis, Choi BI; Han JK; Kim SH; et al, Gastrointest Radiol 1991; **16:** 234

MR imaging of blood-borne liver metastases in mice: contrast enhancment with Fe-EHPG, Shtern F; Garrido L; Compton C; Swiniarski JK; Lauffer RB; Brady TJ, Radiology 1991; **178:** 83

MR imaging of hepatic adenoma, Gabata T; Matsui O; Kadoya M; et al, AJR 1990; **155:** 1009

MR imaging of liver metastases at 1.5 T: similar contrast discrimination with T1- and T2-weighted pulse sequences, Saini S; Li W; Wallner B; Hahn PF; Edelman RR, Radiology 1991; **181:** 449

MR imaging of liver neoplasms, Rummeny E; Saini S; Wittenberg J; et al, AJR 1989; **152:** 493

MR imaging of small hepatocellular carcinoma: effect of intratumoral copper content on signal intensity, Ebara M; Watanabe S; Kita K; Yoshikawa M; Sugiura N; Ohto M; Kondo F; Kondo Y, Radiology 1991; **180:** 617

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

optimizing MR imaging of the abdomen: the case for rapid-acquisition spin-echo MR imaging, Mirowitz SA; Lee JKT, Radiology 1991; **179:** 612

primary liver tumors: diagnosis by MR imaging, Rummeny E; Weissleder R; Stark DD; et al, AJR 1989; **152:** 63

primary malignant liver tumors in childhood: assessment of resectability with high-field MR and comparison with CT, Finn JP; Hall-Craggs MA; Dicks-Mireaux C; et al, Pediatr Radiol 1990; **21:** 34

proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG, Radiology 1989; **173:** 401

rapid-acquisition spin-echo MR imaging of the liver: a critical view, Mitchell DG, Radiology 1991; **179:** 609

real-time follow-up of 5-fluorouracil metabolism in the liver of tumor patients by means of F-19 MR spectroscopy, Semmler W; Bachert-Baumann P; Gückel F; Ermark F; Schlag P; Lorenz WJ; van Kaick G, Radiology 1990; **174:** 141

receptor imaging: application to MR imaging of liver cancer, Reimer P; Weissleder R; Lee AS; Wittenberg J; Brady TJ, Radiology 1990; **177:** 729

relative proton density and relaxation times in liver metastases during interferom treatment, Andersson T; Ericsson A; Eriksson B; et al, Br J Radiol 1989; **62:** 433

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

small hepatocellular carcinoma and cavernous hemangioma: differentiation with dynamic FLASH MR imaging with Gd-DTPA, Yoshida H; Itai Y; Ohtomo K; Kokubo T; Minami M; Yashiro N, Radiology 1989; **171:** 339

small hepatocellular carcinoma treated with percutaneous ethanol injection: MR imaging findings, Sironi S; Livraghi T; DelMaschio A, Radiology 1991; **180:** 333

small hepatocellular carcinoma versus small cavernous hemangioma: differentiation with MR imaging at 2.0 T, Choi BI; Han MC; Kim C-W, Radiology 1990; **176:** 103

strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, Chien D; Atkinson DJ; Edelman RR, JMRI 1991; **1:** 63

superparamagnetic iron oxide–enhanced MR imaging: pulse sequence optimization for detection of liver cancer, Fretz CJ; Elizondo G; Weissleder R; Hahn PF; Stark DD; Ferrucci JT Jr, Radiology 1989; **172:** 393

surgical decision making for large bowel cancer metastatic to the liver, Sugarbaker PH, Radiology 1990; **174:** 621

use of magnetite particles as a contrast agent for MR imaging of the liver, Kawamura Y; Endo K; Watanabe Y; Saga T; Nakai T; Hikita H; Kagawa K; Konishi J, Radiology 1990; **174:** 357

value of MR imaging in evaluating focal fatty infiltration of the liver: preliminary study, Dao TH; Mathieu D; Nguyen-tan T; Derhy S; Vasile N, Radiographics 1991; **11:** 1003

Liver neoplasms, radionuclide studies

comparison of delayed imaging with Tc-99m PMT and Tc-99m DEIDA for visualization of hepatoma, Hasegawa Y; Nakano S; Hashizume T; et al, Clin Nucl Med 1989; **14:** 526

definitive diagnosis of hepatic hemangiomas: MR imaging versus Tc-99m-labeled red blood cell SPECT, Birnbaum BA; Weinreb JC; Megibow AJ; Sanger JJ; Lubat E; Kanamuller H; Noz ME; Bosniak MA, Radiology 1990; **176:** 95

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

distinction between hemangioma of the liver and hepatocellular carcinoma: value of labeled RBC-SPECT scanning, Kudo M; Ikekubo K; Yamamoto K; et al, AJR 1989; **152:** 977

exophytic regenerating nodule of the liver: misleading appearance on iodized-oil CT, Fujimoto H; Uchiyama G; Araki T; et al, JCAT 1991; **15:** 495

hepatic epithelioid hemangioendothelioma: report of five cases, Furui S; Itai Y; Ohtomo K; Yamauchi T; Takenaka E; Iio M; Ibukuro K; Shichijo Y; Inoue Y, Radiology 1989; **171:** 63

hepatic hemangiomas: diagnosis with fusion of MR, CT, and Tc-99m–labeled red blood cell SPECT images, Birnbaum BA; Noz ME; Chapnick J; Sanger JJ; Megibow AJ; Maguire GQ Jr; Weinreb JC; Kaminer EM; Kramer EL, Radiology 1991; **181:** 469

hepatobiliary study with Tc-99m N-pyridoxyl-5-methyltryptophan (PMT) in a patient with hepatoblastoma, Ohshiro K; Hanashiro Y; Shimabukuro K; et al, Clin Nucl Med 1991; **16:** 10

hepatoma: Tc-99m DISIDA uptake in primary and metastatic lesions, Archibeque F; Williamson MR; Rosenberg R; et al, Clin Nucl Med 1990; **14:** 706

infected hepatic metastasis: role of In-111 leukocyte scintigraphy, Palestro CJ; Vega A; Kim CK; et al, Clin Nucl Med 1990; **15:** 434

measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Juni JE; Reichle R, Radiology 1990; **177:** 171

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147

metastatic lesions arising in a Riedel's lobe: findings from a sulfur colloid liver–spleen scan, Soo MSC; Adatepe MH, Clin Nucl Med 1990; **15:** 814

modulation of liver tumor blood flow with hepatic arterial epinephrine: a SPECT study, Andrews JC; Walker-Andrews SC; Juni JE; Warber S; Ensminger WD, Radiology 1989; **173:** 645

monitoring liver tumor therapy with [^{18}F]FDG positron emission tomography, Nagata Y; Yamamoto K; Hiraoka M; et al, JCAT 1990; **14:** 370

peripheral increased activity surrounding metastatic adenocarcinoma to the liver on hepatobiliary imaging, Cifers RW; Makhija M, Clin Nucl Med 1989; **14:** 130

radioimmunotherapy for hepatocellular carcinoma (HCC) using ^{131}I-anti HCC isoferritin IgG: preliminary results of experimental and clinical studies, Kang-Da L; Zhao-You T; Yan-Ming B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 319

relationship of uptake of technetium-99m(Sn)-N-pyridoxyl-5-methyltryptophan by hepatocellular carcinoma to prognosis, Hasegawa Y; Nakano S; Hiyama T; et al, J Nucl Med 1991; **32:** 228

scintigraphic features of malignant epithelioid hemangioendothelioma, Lee KS; Rossleigh MA; Fernandes VB; et al, Clin Nucl Med 1989; **14:** 501

scintigraphic findings mimicking focal nodular hyperplasia in a case of hepatoblastoma, Tanasescu DE; Waxman AD; Hurvitz C, Clin Nucl Med 1991; **16:** 236

Tc-99m MDP uptake in hepatoblastoma, Elgazzar AH; Jahan S; Motawei S; et al, Clin Nucl Med 1989; **14:** 143

unsatisfactory hepatic perfusion after placement of an implanted pump and catheter system: angiographic correlation, Andrews JC; Williams DM; Cho KJ; Knol JA; Wahl RL; Ensminger WD, Radiology 1989; **173:** 779

Liver neoplasms, secondary

additional comment: dynamic hepatic CT, Berland LL, Radiology 1991; **181:** 22

adrenal cortical carcinoma with hepatic metastasis: preoperative radiological evaluation, Azodo MVU; Gutierrez OH; Gonda RL Jr, Comput Med Imag Graph 1989; **13:** 171

body MR imaging and the local staging of neoplasms, Aisen AM, Radiology 1990; **176:** 617

carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; **172:** 699

case report: cutaneous seeding following fine needle biopsy of colonic liver metastases, McGrath FP; Gibney RG; Rowley VA; et al, Clin Radiol 1991; **43:** 130

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

complications of hepatic arterial infusion chemotherapy, Pozniak MA; Babel SG; Trump DL, Radiographics 1991; **11:** 67

congenital neuroblastoma: evaluation with multimodality imaging, Forman HP; Leonidas JC; Berdon WE; Slovis TL; Wood BP; Samudrala R, Radiology 1990; **175:** 365

CT evaluation of suspected hepatic metastases: comparison of techniques for IV contrast enhancement, Paushter DM; Zeman RK; Schiebler ML; et al, AJR 1989; **152:** 267

detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW, Radiology 1989; **171:** 47

detection of hepatic metastases: comparison of contrast-enhanced CT, unenhanced MR imaging, and iron oxide-enhanced MR imaging, Fretz CJ; Stark DD; Metz CE; et al, AJR 1990; **155:** 763

detection of hepatic metastases in breast cancer: the role of nonenhanced and enhanced CT scanning, DuBrow RA; David CL; Libshitz HI; et al, JCAT 1990; **14:** 366

detection of hepatic metastases with MR imaging: spin-echo vs phase-contrast pulse sequences at 0.6 T, Rummeny E; Saini S; Stark DD; et al, AJR 1989; **153:** 1207

diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B, Radiology 1989; **171:** 349

dynamic hepatic CT: Drs Cox and Foley reply, Cox IH; Foley WD, Radiology 1991; **181:** 23

dynamic hepatic CT: Dr. Walkey replies, Walkey MM, Radiology 1991; **181:** 21

dynamic hepatic CT: how many years will it take 'til we learn?, Walkey MM, Radiology 1991; **181:** 17

effect of somatostatin analogue (octreotide) on blood flow to endocrine tumors metastatic to the liver: angiographic evaluation, Cho KJ; Vinik AI, Radiology 1990; **177:** 549

fatal carcinoid crisis after percutaneous fine-needle biopsy of hepatic metastasis: case report and literature review, Bissonnette RT; Gibney RG; Berry BR; Buckley AR, Radiology 1990; **174:** 751

field-echo pulse sequences used under suspended respiration for detection of liver metastases, Andersson T; Nyman R; Ericsson A; et al, Acta Radiol 1989; **30:** 285

focal hepatic lesions: differentiation with MR imaging at 0.5 T, Brown JJ; Lee JM; Lee JKT; Van Lom KJ; Malchow SC, Radiology 1991; **179:** 675

hepatic colorectal metastases: correlation of MR imaging and pathologic appearance, Outwater E; Tomaszewski JE; Daly JM; Kressel HY, Radiology 1991; **180:** 327

hepatic focal nodular hyperplasia: specific findings at dynamic contrast-enhanced US with carbon dioxide microbubbles, Kudo M; Tomita S; Tochio H; Kashida H; Hirasa M; Todo A, Radiology 1991; **179:** 377

hepatic inferior vena cava obstruction: treatment of two types with Gianturco expandable metallic stents, Furui S; Sawada S; Irie T; Makita K; Yamauchi T; Kusano S; Ibukuro K; Nakamura H; Takenaka E, Radiology 1990; **176:** 665

hepatic metastases: false-negative CT portography in cases of fatty infiltration, Llauger J; Pérez C; Coscojuela P; et al, JCAT 1991; **15:** 320

hepatic metastases: liposomal Gd-DTPA–enhanced MR imaging, Unger EC; Winokur T; MacDougall P; Rosenblum J; Clair M; Gatenby RA; Tilcock CP, Radiology 1989; **171:** 81

hepatic neoplasms: detection with hepatoportal subtraction angiography—a new technique of DSA, Takahashi K; Saito K; Tamura K; Honda M; Touei H; Sakai O; Kawashima Y; Kuji T; Ohtani M; Kawamoto T; Ohsawa T, Radiology 1990; **177:** 243

hepatic tumors: quantitative tissue characterization with MR imaging, Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT, Radiology 1990; **176:** 107

imaging hepatic metastases from colorectal carcinoma: identification of candidates for partial hepatectomy, Seltzer SE; Holman BL, AJR 1989; **152:** 917

incidence of portal vein thrombosis complicating liver metastasis as detected by duplex ultrasound, Atri M; de Stempel J; Bret PM; et al, J Ultrasound Med 1990; **9:** 285

infected hepatic metastasis: role of In-111 leukocyte scintigraphy, Palestro CJ; Vega A; Kim CK; et al, Clin Nucl Med 1990; **15:** 434

intraarterial administration of lidocaine for analgesia in hepatic chemoembolization, Molgaard CP; Teitelbaum GP; Pentecost MJ; Finck EJ; Davis SH; Dziubinski JE; Daniels JR, JVIR 1990; **1:** 81

liver function tests in patients with computed tomography demonstrated hepatic metastases, Ottmar MD; Gonda RL Jr; Leithauser KJ; et al, Gastrointest Radiol 1989; **14:** 55

liver metastases: detection with MR imaging at 0.5 and 1.5 T, Reinig JW; Dwyer AJ; Miller DL; Frank JA; Adams GW; Chang AE, Radiology 1989; **170:** 149

liver metastases: results of percutaneous ethanol injection in 14 patients, Livraghi T; Vettori C; Lazzaroni S, Radiology 1991; **179:** 709

lymphangitic liver metastasis: radiologic-pathologic correlations, Itoh T; Itoh H; Konishi J, JCAT 1991; **15:** 401

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147

MR demonstration of edema adjacent to a liver metastasis: pathologic correlation, Lee MJ; Saini S; Compton CC; et al, AJR 1991; **157:** 499

MR imaging of blood-borne liver metastases in mice: contrast enhancment with Fe-EHPG, Shtern F; Garrido L; Compton C; Swiniarski JK; Lauffer RB; Brady TJ, Radiology 1991; **178:** 83

MR imaging of liver metastases at 1.5 T: similar contrast discrimination with T1- and T2-weighted pulse sequences, Saini S; Li W; Wallner B; Hahn PF; Edelman RR, Radiology 1991; **181:** 449

percutaneous transhepatic placement of biliary endoprostheses: results in 100 consecutive patients, Dick BW; Gordon RL; LaBerge JM; Doherty MM; Ring EJ, JVIR 1990; **1:** 97

peripheral increased activity surrounding metastatic adenocarcinoma to the liver on hepatobiliary imaging, Cifers RW; Makhija M, Clin Nucl Med 1989; **14:** 130

preoperative localization of focal liver lesions to specific liver segments: utility of CT during arterial portography, Nelson RC; Chezmar JL; Sugarbaker PH; Murray DR; Bernardino ME, Radiology 1990; **176:** 89

preoperative segmental localization of hepatic metastases: utility of three-dimensional CT during arterial portography, Soyer P; Roche A; Gad M; Shapeero L; Breittmayer F; Elias D; Lasser P; Rougier P; Levesque M, Radiology 1991; **180:** 653

prognostic factors in liver metastases after transcatheter arterial embolization or arterial infusion, (ab), Yamashita Y; Takahashi M; Koga Y; et al, JVIR 1991; **2:** 296

prognostic factors in liver metastases after transcatheter arterial embolization or arterial infusion, Yamashita Y; Takahashi M; Koga Y; et al, Acta Radiol 1990; **31:** 269

regional anesthesia for hepatic arterial embolization, Coldwell DM; Loper KA, Radiology 1989; **172:** 1039

regional chemotherapy for colorectal hepatic metastases using degradable starch microspheres: a review, Ball ABS, Acta Oncol 1991; **30:** 309

right window for dynamic hepatic CT, Cox IH; Foley WD; Hoffman RG, Radiology 1991; **181:** 18

segmental liver anatomy, Martí-Bonmatí L, Radiology 1991; **179:** 585

segmental liver anatomy: reply, Nelson RC; Chezmar JL; Murray DR; Bernardino ME, Radiology 1991; **179:** 585

selective internal radiation therapy: validation of intraoperative dosimetry, Burton MA; Gray BN; Kelleher DK; Klemp PF, Radiology 1990; **175:** 253

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

surgical decision making for large bowel cancer metastatic to the liver, Sugarbaker PH, Radiology 1990; **174:** 621

surgical therapy for recurrent liver metastases from colorectal cancer, (ab), Stone MD; Cady B; Jenkins RL; et al, Radiology 1990; **177:** 889

uveal melanoma: development of metastases after helium ion irradiation, Nowakowski VA; Ivery G; Castro JR; Char DH; Linstadt DE; Ahn D; Phillips TL; Quivey JM; Decker M; Petti PL; Collier JM, Radiology 1991; **178:** 277

Zollinger-Ellison syndrome: prospective assessment of abdominal US in the localization of gastrinomas, London JF; Shawker TH; Doppman JL; Frucht HH; Vinayek R; Stark HA; Miller LS; Miller DL; Norton JA; Jensen RT; Gardner JD; Maton PN, Radiology 1991; **178:** 763

Liver neoplasms, therapeutic radiology

194 hepatocellular cancers treated by radiation and chemotherapy combinations: toxicity and response: a Radiation Therapy Oncology Group study, Stillwagon GB; Order SE; Guse C; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1223

application of dose volume histograms to the treatment of intrahepatic malignancies with radiation therapy, Lawrence TS; Tesser RJ; Ten Haken RK, Int J Radiat Oncol Biol Phys 1990; **19:** 1041

dose distribution following selective internal radiation therapy, Fox RA; Klemp PFB; Egan G; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 463

hepatocellular carcinoma: pilot trial of treatment with Y-90 microspheres, Houle S; Yip T-CK; Shepherd FA; Rotstein LE; Sniderman KW; Theis E; Cawthorn RH; Richmond-Cox K, Radiology 1989; **172:** 857

prognostic factors in unresectable hepatocellular cancer: radiation therapy oncology group study 83-01, Stillwagon GB; Order SE; Guse C; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 65

selective internal radiation therapy: validation of intraoperative dosimetry, Burton MA; Gray BN; Kelleher DK; Klemp PF, Radiology 1990; **175:** 253

tolerance of the liver to the effects of Yttrium-90 radiation, Gray BN; Burton MA; Kelleher D; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 619

treatment of cancers involving the liver and porta hepatis with external beam irradiation and intraarterial hepatic fluorodeoxyuridine, Lawrence TS; Dworzanin LM; Walker-Andrews SC; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 555

treatment of liver tumors with yttrium-90 microspheres alone, Blanchard RJW; Morrow IM; Sutherland JB, J Canad Assoc Radiol 1989; **40:** 206

Liver neoplasms, therapy

194 hepatocellular cancers treated by radiation and chemotherapy combinations: toxicity and response: a Radiation Therapy Oncology Group study, Stillwagon GB; Order SE; Guse C; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1223

adenomatous hyperplastic nodules in the cirrhotic liver: a therapeutic approach. work in progress, Livraghi T; Sangalli G; Vettori C, Radiology 1989; **170:** 155

arterial embolization in the management of liver metastases, Allison DJ; Booth A, Cardiovasc Intervent Radiol 1990; **13:** 161

arterial perfusion abnormalities of the liver after hepatic arterial infusion chemotherapy and their correlation with changes in the metastases: evaluation with CT and angiography, Roth J; Wallner B; Safi F, AJR 1989; **153:** 751

complications of hepatic arterial infusion chemotherapy, Pozniak MA; Babel SG; Trump DL, Radiographics 1991; **11:** 67

effect of antimicrobial protection on tolerance to hepatic chemoembolization with a fibrous collagen carrier, Sternlicht M; Daniels JR; Sales SF; Daniels A, Radiology 1989; **170:** 1067

effect of somatostatin analogue (octreotide) on blood flow to endocrine tumors metastatic to the liver: angiographic evaluation, Cho KJ; Vinik AI, Radiology 1990; **177:** 549

erosion of portal vein catheter into the biliary system, Schuster JA; Gutierrez OH; Azodo MVU, Gastrointest Radiol 1990; **15:** 47

hepatic arterial embolization for metastatic hormone-secreting tumors: technique, effectiveness, and complications, (ab), Marlink RG; Lokich JJ; Robins JR; et al, Radiology 1990; **177:** 889

hepatic artery infusion and chemoembolization in the management of liver metastases, Wallace S; Carrasco CH; Charnsangavej C; et al, Cardiovasc Intervent Radiol 1990; **13:** 153

hepatic artery model for evaluating the distribution of intraarterial chemotherapy infusion: nonpulsed versus pulsed infusions, Matsumoto AH; Barth KH; Lutz RJ; Miller DL, Radiology 1989; **170:** 1077

hepatocellular carcinoma: treatment with a combination therapy of transcatheter arterial embolization and percutaneous ethanol injection, Tanaka K; Okazaki H; Nakamura S; Endo O; Inoue S; Takamura Y; Sugiyama M; Ohaki Y, Radiology 1991; **179:** 713

intraarterial administration of lidocaine for analgesia in hepatic chemoembolization, Molgaard CP; Teitelbaum GP; Pentecost MJ; Finck EJ; Davis SH; Dziubinski JE; Daniels JR, JVIR 1990; **1:** 81

liver metastases: results of percutaneous ethanol injection in 14 patients, Livraghi T; Vettori C; Lazzaroni S, Radiology 1991; **179:** 709

low infusion rate digital subtraction angiography to predict regional perfusion in hepatic arterial chemotherapy, Andrews JC; Williams DM; Shapiro B; et al, Cardiovasc Intervent Radiol 1989; **12:** 277

monitoring liver tumor therapy with [^{18}F]FDG positron emission tomography, Nagata Y; Yamamoto K; Hiraoka M; et al, JCAT 1990; **14:** 370

MR imaging of the liver before and after transcatheter hepatic chemo-embolization for hepatocellular carcinoma, Yoshioka H; Nakagawa K; Shindou H; et al, Acta Radiol 1990; **31:** 63

percutaneous ethanol injection therapy for neoplasms located on the surface of the liver, Shiina S; Tagawa K; Unuma T; et al, AJR 1990; **155:** 507

percutaneous ethanol injection therapy for the treatment of hepatocellular carcinoma, Shiina S; Tagawa K; Unuma T; et al, AJR 1990; **154:** 947

percutaneous ethanol injection therapy of hepatocellular carcinoma: analysis of 77 patients, Shiina S; Tagawa K; Unuma T; et al, AJR 1990; **155:** 1221

percutaneous ethanol injection therapy of hepatoma, Livraghi T; Vettori C, Cardiovasc Intervent Radiol 1990; **13:** 146

pharmacokinetics of intra-arterial mitomycin C with or without degradable starch microspheres (DSM) in the treatment of non-resectable liver cancer, Andersson M; Aronsen KF; Balch C; et al, Acta Oncol 1989; **28:** 219

randomized prospective trial comparing full dose chemotherapy to ^{131}I antiferritin: an RTOG study, Order S; Pajak T; Leibel S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 953

recurrent hepatocellular carcinoma after partial hepatectomy: value of treatment with transcatheter arterial chemoembolization, Nakao N; Kamino K; Miura K; et al, AJR 1991; **156:** 1177

repeated dearterialization of hepatic tumors with an implantable occluder, (ab), Persson BG; Jeppsson B; Ekberg H; et al, JVIR 1991; **2:** 298

small hepatocellular carcinoma treated with percutaneous ethanol injection: MR imaging findings, Sironi S; Livraghi T; DelMaschio A, Radiology 1991; **180:** 333

surgical therapy for recurrent liver metastases from colorectal cancer, (ab), Stone MD; Cady B; Jenkins RL; et al, Radiology 1990; **177:** 889

transcatheter arterial chemotherapy using doxorubicin, iodized oil and Gelfoam embolization in hepatocellular carcinoma, Van Beers BE; Roche A; Cauquil P; et al, Acta Radiol 1989; **30:** 415

transcatheter arterial embolization for metastatic liver tumors: a study in resected cases, Kuroda C; Sakurai M; Monden M; et al, Cardiovasc Intervent Radiol 1989; **12:** 72

transcatheter arterial embolization in unresectable hepatocellular carcinoma, Yamada R; Kishi K; Sonomura T; et al, Cardiovasc Intervent Radiol 1990; **13:** 135

transcatheter hepatic segmental arterial embolization using lipiodol mixed with an anticancer drug and Gelfoam particles for hepatocellular carcinoma, Uchida H; Ohishi H; Matsuo N; et al, Cardiovasc Intervent Radiol 1990; **13:** 140

transcatheter oily chemoembolization of hepatocellular carcinoma, Nakamura H; Hashimoto T; Oi H; Sawada S, Radiology 1989; **170:** 783

treatment of hepatocellular carcinoma by segmental hepatic artery injection of adriamycin-in-oil emulsion with overflow to segmental portal veins, Nakamura H; Hashimoto T; Oi H; et al, Acta Radiol 1990; **31:** 347

treatment of liver metastases by arterial injection of adriamycin/mitomycin C lipiodol suspension, Inoue H; Kobayashi H; Itoh Y; et al, Acta Radiol 1989; **30:** 603

US-guided percutaneous laser ablation of liver tissue in a chronic pig model, Dachman AH; McGehee JA; Beam TE; Burris JA; Powell DA, Radiology 1990; **176:** 129

Liver neoplasms, US

adenomatous hyperplastic nodules in the cirrhotic liver: a therapeutic approach. work in progress, Livraghi T; Sangalli G; Vettori C, Radiology 1989; **170:** 155

biliary cystadenoma and cystadenocarcinoma: CT and sonographic findings, Choi BI; Lim JH; Han MC; Lee DH; Kim SH; Kim YI; Ki C-W, Radiology 1989; **171:** 57

biliary cystadenoma: ultrasound, CT, and MRI, Palacios E; Shannon M; Solomon C; et al, Gastrointest Radiol 1990; **15:** 313

changes in portal blood flow consequent to partial hepatectomy: Doppler estimation, Kawasaki T; Moriyasu F; Kimura T; Someda H; Fukuda Y; Ozawa K, Radiology 1991; **180:** 373

color Doppler flow imaging of liver tumors, Tanaka S; Kitamura T; Fujita M; et al, AJR 1990; **154:** 509

comparative study between ultrasound, computed tomography, intra-arterial digital subtraction angiography, and magnetic resonance imaging in the differentiation of tumors of the liver, Vlachos L; Trakadas S; Gouliamos A; et al, Gastrointest Radiol 1990; **15:** 102

diagnosis and staging of hepatocellular carcinoma: comparison of CT and sonography in 36 liver transplantation patients, Miller WJ; Federle MP; Campbell WL, AJR 1991; **157:** 303

diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B, Radiology 1989; **171:** 349

diagnostic approach to hepatic hemangiomas, Nelson RC; Chezmar JL, Radiology 1990; **176:** 11

echo enhancement behind solid intra-hepatic metastases: a potential pitfall in diagnosis, Ignotus PI; Sandrasagra FA; Adam EJ; et al, Clin Radiol 1990; **42:** 340

encapsulated hepatocellular carcinoma: radiologic findings and pathologic correlation, Ros PR; Murphy BJ; Buck JL; et al, Gastrointest Radiol 1990; **15:** 233

evaluation of intrahepatic tumour extent and prediction of resection size in liver tumours by computed tomography, ultrasonography and angiography, Tidebrant G; Hafström LO; Tylén U, Acta Radiol 1989; **30:** 395

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

hepatic epithelioid hemangioendothelioma: report of five cases, Furui S; Itai Y; Ohtomo K; Yamauchi T; Takenaka E; Iio M; Ibukuro K; Shichijo Y; Inoue Y, Radiology 1989; **171:** 63

hepatic focal nodular hyperplasia: specific findings at dynamic contrast-enhanced US with carbon dioxide microbubbles, Kudo M; Tomita S; Tochio H; Kashida H; Hirasa M; Todo A, Radiology 1991; **179:** 377

hepatic Kaposi sarcoma in AIDS: US and CT findings, Luburich P; Bru C; Ayuso MC; Azón A; Condom E, Radiology 1990; **175:** 172

hepatic tumors: signal enhancement at Doppler US after intravenous injection of a contrast agent, Goldberg BB; Hilpert PL; Burns PN; Liu J-B; Newman LM; Merton DA; Witlin LA, Radiology 1990; **177:** 713

hepatoblastoma: detection of tumor vascularity with duplex Doppler US, Bates SM; Keller MS; Ramos IM; Carter D; Taylor KJW, Radiology 1990; **176:** 505

hepatocellular carcinoma: treatment with a combination therapy of transcatheter arterial embolization and percutaneous ethanol injection, Tanaka K; Okazaki H; Nakamura S; Endo O; Inoue S; Takamura Y; Sugiyama M; Ohaki Y, Radiology 1991; **179:** 713

hypovascular hepatocellular carcinoma undetected at angiography and CT with iodized oil, Yoshimatsu S; Inoue Y; Ibukuro K; Suzuki S, Radiology 1989; **171:** 343

incidence of portal vein thrombosis complicating liver metastasis as detected by duplex ultrasound, Atri M; de Stempel J; Bret PM; et al, J Ultrasound Med 1990; **9:** 285

intraoperative sonography of hepatocellular carcinoma: detection of lesions and validity in surgical resection, Choi BI; Han JK; Song IS; et al, Gastrointest Radiol 1991; **16:** 329

in utero sonographic description of a fetal liver adenoma, Marks F; Thomas P; Lustig I; et al, J Ultrasound Med 1990; **9:** 119

lipoma of the liver: US, CT, and MRI appearance, Marti-Bonmati L; Menor F; Vizcaino I; et al, Gastrointest Radiol 1989; **14:** 155

liver metastases: results of percutaneous ethanol injection in 14 patients, Livraghi T; Vettori C; Lazzaroni S, Radiology 1991; **179:** 709

particulate contrast agents for improved ultrasound detection of liver metastases, Violante MR; Parker K; Lerner R, Invest Radiol 1990; **25:** S165

prospective comparison of preoperative imaging and intraoperative ultrasonography in the detection of liver tumors, (ab), Clarke MP; Kane RA; Steele G Jr; et al, Radiology 1990; **175:** 587

small hepatocellular carcinoma: detection with sonography, computed tomography (CT), angiography and Lipiodol-CT, Choi BI; Park JH; Kim BH; et al, Br J Radiol 1989; **62:** 897

sonographic characteristics of small hepatocellular carcinoma, Choi BI; Kim C-W; Han MC; et al, Gastrointest Radiol 1989; **14:** 255

staging of hepatocellular carcinoma by ultrasonography, computed tomography, and angiography: the role of CT combined with arterial portography, Garbagnati F; Spreafico C; Marchianò A; et al, Gastrointest Radiol 1991; **16:** 225

tumor vascularization: assessment with duplex sonography, Dock W; Grabenwöger F; Metz V; Eibenberger K; Farrés MT, Radiology 1991; **181:** 241

ultrasonic patterns observed in hepatic metastases from breast carcinoma: diagnosis and evolution, Martinez A; Sánchez M; Roselló R; et al, Gastrointest Radiol 1989; **14:** 49

ultrasonographic appearance of primary and metastatic canine hepatic tumors: a review of 48 cases, Whiteley MB; Feeney DA; Whiteley LO; et al, J Ultrasound Med 1989; **8:** 621

ultrasonographic diagnosis of melanoma metastases in liver, gallbladder, and spleen, Stutte H; Müller PH; d'Hoedt B; et al, J Ultrasound Med 1989; **8:** 541

ultrasound case of the day, Reading CC; Charboneau JW, Radiographics 1990; **10:** 511

ultrasound contrast for hepatic tumors using IDE particles, Parker KJ; Baggs RB; Lerner RM; et al, Invest Radiol 1990; **25:** 1135

Lung

See also Bronchi; Lung neoplasms; Pleura; Respiratory distress syndrome

Lung, abnormalities

amiodarone pulmonary toxicity: CT findings in symptomatic patients, Kuhlman JE; Teigen C; Ren H; Hurban RH; Hutchins GM; Fishman EK, Radiology 1990; **177:** 121

antenatal diagnosis of congenital cystic adenomatoid malformation of the lung, Deacon CS; Smart PJ; Rimmer S, Br J Radiol 1990; **63:** 968

bronchopulmonary and neurenteric forms of foregut anomalies: imaging for diagnosis and management, Haddon MJ; Bowen A, Radiol Clin North Am 1991; **29:** 241

bronchopulmonary dysplasia and research in diagnostic radiology, Northway WH Jr, AJR 1991; **156:** 681

bronchopulmonary dysplasia: a radiographic and clinical review of 20 patients, Fitzgerald P; Donoghue V; Gorman W, Br J Radiol 1990; **63:** 444

bronchopulmonary dysplasia: radiographic appearance in middle childhood, Griscom NT; Wheeler WB; Sweezey NB; Kim YC; Lindsey JC; Wohl MEB, Radiology 1989; **171:** 811

bronchopulmonary sequestration: CT assessment, Ikezoe J; Murayama S; Godwin JD; Done SL; Verschakelen JA, Radiology 1990; **176:** 375

calcification in bronchopulmonary sequestration, Samuels TH; Morava-Protzner I; Youngson B; et al, J Canad Assoc Radiol 1989; **40:** 106

case of intralobar pulmonary sequestration with calcification and elevated serum values of carcinoembryonic antigen and carbohydrate antigen 19-9, Uyama T; Monden Y; Harada K; et al, J Thorac Imag 1989; **4-4:** 74

case of the month: radio-opaque hemithorax in a neonate, Creagh MF; MacDonald LM; Garvie DC, Br J Radiol 1989; **62:** 951

computed tomography of folded lung, Carvalho PM; Carr DH, Clin Radiol 1990; **41:** 86

CT of congenital malformations of the lung, Mata JM; Cáceres J; Lucaya J; Garcia-Conesa JA, Radiographics 1990; **10:** 651

developmental lymphatic disorders of the thorax, Scalzetti EM; Heitzman ER; Groskin SA; Randall PA; Katzenstein A-LA, Radiographics 1991; **11:** 1069

echography of pulmonary sequestration, Gudinchet F; Anderegg A, Eur J Radiol 1989; **9:** 93

extralobar pulmonary sequestration of the left retroperitoneum, Shih S-L; Lin JC-T; Chen B-F; et al, Australas Radiol 1990; **34:** 356

extralobar pulmonary sequestration presenting as intractable pleural effusion, Vade A; Kramer L, Pediatr Radiol 1989; **19:** 333

fast selective black blood MR imaging, Edelman RR; Chien D; Kim D, Radiology 1991; **181:** 655

general case of the day, Cáceres J; Mata JM; Palmer J; Zidan A; Donoso L, Radiographics 1991; **11:** 1143

horseshoe lung: differential diagnosis, Hawass N-E-D; El Badawi MG; Al-Muzrakchi AM; et al, Pediatr Radiol 1990; **20:** 580

horseshoe lung without respiratory distress, Takeda K; Kato N; Nakagawa T; et al, Pediatr Radiol 1990; **20:** 604

imaging of neonatal pulmonary sequestration including Doppler ultrasound, Smart LM; Hendry GMA, Br J Radiol 1991; **64:** 324

imaging of prenatally detected intra-abdominal extralobar pulmonary sequestration, Stern E; Brill PW; Winchester P; et al, Clin Imag 1990; **14:** 152

imaging of pulmonary sequestration, Felker RE; Tonkin ILD, AJR 1990; **154:** 241

is lung sequestration of indium-111-labeled granulocytes organ specific?, Williams JH Jr; Wilson AF; Moser KM, J Nucl Med 1989; **30:** 1531

left azygos lobe, Takasugi JE; Godwin JD, Radiology 1989; **171:** 133

lobar emphysema: long-term imaging follow-up, Kennedy CD; Habibi P; Matthew DJ; Gordon I, Radiology 1991; **180:** 189

lung sequestration: duplex Doppler diagnosis at 19 weeks gestation, Sauerbrei E, J Ultrasound Med 1991; **10:** 101

prenatal sonographic diagnosis of bronchopulmonary foregut malformation, Siffring PA; Forrest TS; Hill WC; et al, J Ultrasound Med 1989; **8:** 277

prenatal ultrasound detection of intra-abdominal pulmonary sequestration with postnatal MRI correlation, Brink DA; Balsara ZN, Pediatr Radiol 1991; **21:** 227

"pseudo-ring-sling" complex in unilateral pulmonary agenesis: case report, Schmidt ME; Preston A; Bellah RD, Clin Imag 1991; **15:** 59

pulmonary sequestration and related congenital disorders: a clinico-radiological review of 41 cases, John PR; Beasley SW; Mayne V, Pediatr Radiol 1989; **20:** 4

pulmonary sequestration: diagnosis by ultrasound, West MS; Donaldson JS; Shkolnik A, J Ultrasound Med 1989; **8:** 125

pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax, Hernanz-Schulman M; Stein SM; Neblett WW; Atkinson JB; Kirchner SG; Heller RM; Merrill WH; Fleischer AC, Radiology 1991; **180:** 817

pulmonary sequestration-like anomaly presenting as a spontaneously resolving mass, Sintzoff SA Jr; Avni EF; Rocmans P; et al, Pediatr Radiol 1991; **21:** 143

pulmonary sequestration with histologic changes of cystic adenomatoid malformation, Morin C; Filiatrault D; Russo P, Pediatr Radiol 1989; **19:** 130

pulmonary ventilation and perfusion abnormalities and ventilation perfusion imbalance in children with pulmonary atresia or extreme Tetralogy of Fallot, Dowdle SC; Human DG; Mann MD, J Nucl Med 1990; **31:** 1276

radiographic manifestations of anomalies of the lung, Keslar P; Newman B; Oh KS, Radiol Clin North Am 1991; **29:** 255

radiographic manifestations of congenital anomalies affecting the airway, Carpenter BLM; Merten DF, Radiol Clin North Am 1991; **29:** 219

relation among pulmonary function, chest roentgenographic abnormalities, and smoking status in an asbestos-exposed cohort, (ab), Rosenstock L; Barnhart S; Heyer NJ; et al, Radiology 1989; **171:** 586

smoking and roentgenographic opacities in US Navy asbestos workers, (ab), Ducatman AM; Withers BF; Yang WN, Radiology 1990; **177:** 291

spectrum of skeletal anomalies associated with pulmonary agenesis: possible neural crest injuries, Osborne J; Masel J; McCredie J, Pediatr Radiol 1989; **19:** 425

spontaneous resolution of isolated fetal ascites associated with extralobar lung sequestration, Meizner I; Carmi R; Mares AJ; et al, JCU 1990; **18:** 57

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

ultrasonic detection of subdiaphragmatic pulmonary sequestration in utero and postnatal diagnosis by fine-needle aspiration biopsy, Davies RP; Ford WDA; LeQuesne GW; et al, J Ultrasound Med 1989; **8:** 47

Lung, abscess

bacterial lung abscess: a review of the radiographic and clinical features of 50 cases, Groskin SA; Panicek DM; Ewing DK; et al, J Thorac Imag 1991; **6-3:** 62

Haemophilus influenzae abscess presenting as an asymptomatic lung mass, Balter MS; Fraser LE, J Canad Assoc Radiol 1990; **41:** 98

lung abscess caused by *Rhodococcus equi*, Takasugi JE; Godwin JD, J Thorac Imag 1991; **6-2:** 72

lung abscess: CT-guided drainage, vanSonnenberg E; D'Agostino HB; Casola G; Wittich GR; Varney RR; Harker C, Radiology 1991; **178:** 347

lung abscesses: US examination and US-guided transthoracic aspiration, Yang P-C; Luh K-T; Lee Y-C; Chang D-B; Yu C-J; Wu H-D; Lee L-N; Kuo S-H, Radiology 1991; **180:** 171

Mycobacterium fortuitum lung abscess: resolution with prolonged trimethoprim/sulfamethoxazole therapy, (ab), Pacht ER, Radiology 1991; **178:** 291

percutaneous drainage of chest abscesses in children, Ball WS Jr; Bisset GS III; Towbin RB, Radiology 1989; **171:** 431

percutaneous drainage of chest abscesses in children, Melhem RE, Radiology 1989; **173:** 575

percutaneous drainage of chest abscesses in children: reply, Ball WS Jr; Bisset GS III, Radiology 1989; **173:** 575

percutaneous needle aspiration of neonatal lung abscesses, Lee SK; Morris RF; Cramer B, Pediatr Radiol 1991; **21:** 254

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

Lung, aeration

See Lung, ventilation

Lung, anatomy

anatomy of the major fissure: evaluation with standard and thin-section CT, Glazer HS; Anderson DJ; DiCroce JJ; Solomon SL; Wilson BS; Molina PL; Sagel SS, Radiology 1991; **180:** 839

anatomy of the minor fissure: evaluation with thin-section CT, Berkmen YM; Auh YH; Davis SD; Kazam E, Radiology 1989; **170:** 647

anatomy of the minor fissure: evaluation with thin-section CT, Frija J; Yana C; Laval-Jeantet M, Radiology 1989; **173:** 571

bronchovascular anatomy of the upper lobes: evaluation with thin-section CT, Lee KS; Bae WK; Lee BH; Kim IY; Choi EW; Lee BH, Radiology 1991; **181:** 765

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

CT anatomy of the lingular segmental bronchi, Lee KS; Im J-G; Bae WK; et al, JCAT 1991; **15:** 86

imaging insights: incomplete pulmonary fissures, (ab), Proto AV, Radiology 1991; **178:** 588

imaging insights: supermedial major fissure, (ab), Proto AV, Radiology 1990; **177:** 892

left azygos lobe, Takasugi JE; Godwin JD, Radiology 1989; **171:** 133

left paratracheal reflection, Proto AV; Corcoran HL; Ball JB Jr, Radiology 1989; **171:** 625

peripheral bronchographic morphology in the normal human lung, Gamsu G; Thurlbeck WM; Macklem PT; et al, Invest Radiol 1990; **25:** 392

right upper lobe versus right middle lobe: differentiation with thin-section, high-resolution CT, Otsuji H; Hatakeyama M; Kitamura I; Yoshimura H; Iwasaki S; Ohishi H; Uchida H; Kitamura S; Narita N, Radiology 1989; **172:** 653

Lung, angiography

See Pulmonary angiography

Lung, aspiration

adult respiratory distress syndrome from overdose of tricyclic antidepressants, Varnell RM; Godwin JD; Richardson ML; Vincent JM, Radiology 1989; **170:** 667

diagnosis of Legionella lung abscess by percutaneous needle aspiration, Dobranowski J; Stringer DA, J Canad Assoc Radiol 1989; **40:** 43

diagnostic value of nonfluoroscopic percutaneous lung needle aspiration in patients with pneumonia, (ab), Torres A; Jiménez P; Puig de la Bellacasa J; et al, Radiology 1991; **179:** 293

Lung, atelectasis

See Lung, collapse

Lung, biopsy

chest wall implementation of lung cancer after thin-needle aspiration biopsy, (ab), Seyfer AE; Walsh DS; Graeber GM; et al, Radiology 1990; **174:** 899

complications after CT-guided needle biopsy through aerated versus nonaerated lung, Haramati LB; Austin JHM, Radiology 1991; **181:** 778

computed tomography-guided minithoracotomy for the resection of small peripheral pulmonary nodules, (ab), Daly BDT; Faling LJ; Diehl JT; et al, Radiology 1991; **181:** 611

effect of patient positioning after needle aspiration lung biopsy, Moore EH; LeBlanc J; Montesi SA; Richardson ML; Shepard JO; McLoud TC, Radiology 1991; **181:** 385

focal pulmonary lesions in patients with AIDS: percutaneous transthoracic needle biopsy, Scott WW Jr; Kuhlman JE, Radiology 1991; **180:** 419

lung abscesses: US examination and US-guided transthoracic aspiration, Yang P-C; Luh K-T; Lee Y-C; Chang D-B; Yu C-J; Wu H-D; Lee L-N; Kuo S-H, Radiology 1991; **180:** 171

lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717

misdiagnosis or missed diagnosis? thoracic actinomycosis and carcinoma on sequential CT-guided lung biopsies, Macaulay SE; vanSonnenberg E; Casola G; et al, AJR 1990; **155:** 1183

open lung biopsy in patients with Hodgkin's disease and pulmonary infiltrates, (ab), Catterall JJ; McCabe RE; Brooks RG; et al, Radiology 1989; **173:** 591

percutaneous needle aspiration of neonatal lung abscesses, Lee SK; Morris RF; Cramer B, Pediatr Radiol 1991; **21:** 254

positional precautions in needle aspiration lung biopsy, Moore EH; Shepard JO; McLoud TC; Templeton PA; Kosiuk JP, Radiology 1990; **175:** 733

preventing pneumothorax after lung biopsy: the roll-over technique, Cassel DM; Birnberg FA, Radiology 1990; **174:** 282

prospective evaluation of fine needle aspiration in the diagnosis of lung cancer, (ab), Veale D; Gilmartin JJ; Sumerling MD; et al, Radiology 1989; **171:** 882

retrospective analysis of the efficacy of open lung biopsy in acquired immunodeficiency syndrome, (ab), Bonfils-Roberts EA; Nickodem A; Nealon TF Jr, Radiology 1990; **176:** 588

transbronchial biopsy without fluoroscopy: a five year experience in outpatients, (ab), de Fenoyl O; Capron F; Lebeau B; et al, Radiology 1990; **176:** 295

transosseous approach for thoracic needle biopsy, Glynn TP Jr, Radiology 1990; **177:** 278

transthoracic aspiration biopsy of pulmonary and mediastinal lesions, de Gregorio Ariza MA; Aguirán ERA; Atance JLV; et al, Eur J Radiol 1991; **12:** 98

transthoracic aspiration needle biopsy: value in the diagnosis of pulmonary infections, Conces DJ Jr; Clark SA; Tarver RD; et al, AJR 1989; **152:** 31

transthoracic needle biopsy of small peripheral malignant lung lesions, Sinner WN, Invest Radiol 1990; **25:** 402

transthoracic percutaneous lung biopsy, Weisbrod GL, Radiol Clin North Am 1990; **28:** 647

usefulness of the blood patch technique after transthoracic needle aspiration biopsy, Herman SJ; Weisbrod GL, Radiology 1990; **176:** 395

Lung, calcification

calcification in bronchopulmonary sequestration, Samuels TH; Morava-Protzner I; Youngson B; et al, J Canad Assoc Radiol 1989; **40:** 106

CT demonstration of calcification in carcinoma of the lung, Mahoney MC; Shipley RT; Corcoran HL; et al, AJR 1990; **154:** 255

cystosarcoma phylloides: calcified pulmonary metastases detected by computed tomography, Samuels TH; Kerenyi N; Hamilton PA, J Canad Assoc Radiol 1990; **41:** 217

fulminant pulmonary calcification complicating renal transplantation: CT demonstration, Kuhlman JE; Ren H; Hutchins GM; Fishman EK, Radiology 1989; **173:** 459

metastatic pulmonary calcifications after cardiac surgery in children, Mani TM; Lallemand D; Corone S; Mauriat P, Radiology 1990; **174:** 463

progressive calcifications of lung and liver in neonatal herpes simplex virus infection, Mannhardt W; Schumacher R, Pediatr Radiol 1991; **21:** 236

role of bone scanning in pulmonary alveolar microlithiasis: report of two cases, Padhy AK; Sharma SK; Vijayaraghavan M; et al, Clin Nucl Med 1991; **16:** 458

"single-exposure" dual energy digital radiography in the detection of pulmonary nodules and calcifications, Oestmann JW; Greene R; Rhea JT; et al, Invest Radiol 1989; **24:** 517

solitary pulmonary nodules: evaluation with a CT reference phantom, Huston J III; Muhm JR, Radiology 1989; **170:** 653

Lung, cavitation

cavitary pulmonary nodules in atypical collagen disease and lupoid drug reaction: report of two cases, Muren C; Strandberg O, Acta Radiol 1989; **30:** 281

Legionella lung cavitation, Mirich DR; Gray RR; Hyland R, J Canad Assoc Radiol 1990; **41:** 100

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

thin-walled cavities, cysts, and pneumothorax in *Pneumocystis carinii* pneumonia: further observations with histopathologic correlation, Feuerstein IM; Archer A; Pluda JM; Francis PS; Falloon J; Masur H; Pass HI; Travis WD, Radiology 1990; **174:** 697

Lung, collapse

adult respiratory distress syndrome from overdose of tricyclic antidepressants, Varnell RM; Godwin JD; Richardson ML; Vincent JM, Radiology 1989; **170:** 667

altered cellular immune function in the atelectatic lung, (ab), Nguyen DM; Mulder DS; Shennib H, Radiology 1991; **181:** 612

atypical collapse of the upper lobe of the right lung simulating combined right upper and middle lobe collapse: report of two cases, Chong BW; Weisbrod GL; Herman S, J Canad Assoc Radiol 1990; **41:** 358

bronchial impaction in lobar collapse: CT demonstration and pathologic correlation, Glazer HS; Anderson DJ; Sagel SS, AJR 1989; **153:** 485

bronchography in the assessment of patients with lung collapse for endoscopic laser therapy, (ab), George PJM; Pearson MC; Edwards D; et al, Radiology 1991; **178:** 896

chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH, Radiology 1989; **172:** 459

chest-wall collapse as a complication of atelectasis, Gurney JW; Schroeder BA, J Thorac Imag 1989; **4-2:** 87

CT features of rounded atelectasis, McHugh K; Blaquiere RM, AJR 1989; **153:** 257

CT findings in Swyer-James syndrome, Marti-Bonmati L; Perales FR; Catala F; Mata JM; Calonge E, Radiology 1989; **172:** 477

differentiation of central lung tumor from postobstructive lobar collapse by rapid sequence computed tomography, Onitsuka H; Tsukuda M; Araki A; et al, J Thorac Imag 1991; **6-2:** 28

enhancement of collapsed lung: a potential pitfall in CT interpretation, Davis SG; Turner MJ, Clin Radiol 1990; **42:** 192

gravity-dependent atelectasis: radiologic, physiologic and pathologic correlation in rabbits on high-frequency oscillation ventilation, Morimoto S; Takeuchi N; Imanaka H; et al, Invest Radiol 1989; **24:** 522

linear atelectasis in the lingula as a diagnostic feature of left lower lobe collapse: Nordenström's sign, Price J, Australas Radiol 1991; **35:** 56

peripheral upper lobe collapse in adults, Don C; Desmarais R, Radiology 1989; **170:** 657

pitfall in the diagnosis of lobar collapse, Hourihane JB; Owens AP, Clin Radiol 1989; **40:** 468

postatelectatic ventilation-perfusion mismatch simulating a pulmonary embolus, Chung CJ; Grossnickle M; Rosenthal P; et al, J Nucl Med 1990; **31:** 1397

pulmonary atelectasis: signal patterns with MR imaging, Herold CJ; Kuhlman JE; Zerhouni EA, Radiology 1991; **178:** 715

residents' corner: answer to case of the month #4: rounded atelectasis, Beck M, J Canad Assoc Radiol 1990; **41:** 311

rounded atelectasis caused by histoplasmosis, Stancato-Pasik A; Mendelson DS; Marom Z, AJR 1990; **155:** 275

rounded atelectasis: clinical experience with 74 patients, (ab), Hillerdal G, Radiology 1989; **173:** 592

rounded atelectasis of the lung: MR appearance, Verschakelen JA; Demaerel P; Coolen J; et al, AJR 1989; **152:** 965

shrinking pleuritis with lobar atelectasis: a morphologic variant of "round atelectasis", (ab), Chung-Park M; Tomashefski JF Jr; Cohen AM; et al, Radiology 1989; **173:** 592

zones of increased perfusion (hot spots) on perfusion lung scans: correlation with pulmonary arteriograms, Meignan M; Palmer EL; Waltman AC; Strauss HW, Radiology 1989; **173:** 47

zones of increased perfusion (hot spots) on perfusion lung scans, Massoud TF, Radiology 1990; **175:** 286

zones of increased perfusion (hot spots) on perfusion lung scans: reply, Strauss HW, Radiology 1990; **175:** 286

Lung, consolidation

chest sonography: differentiation of pulmonary consolidation from pleural disease, Acunas B; Celik L; Acunas A, Acta Radiol 1989; **30:** 273

clinico-radiologic-pathologic conference: pulmonary consolidation with an air crescent sign in an immunocompromised woman, Silver SF; Grymaloski MR; Bosken CH; et al, J Canad Assoc Radiol 1989; **40:** 167

single-lung transplantation: imaging features, Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group, Radiology 1989; **170:** 89

Lung, CT

abnormal regional distribution of ventilation in middle-aged smokers: comparison of changes in $^{81}Kr^{m}$ ventilation scans and computed tomography of the lung, Hicks IP; Barter SJ; Carr DH; et al, Clin Radiol 1990; **41:** 347

amiodarone pulmonary toxicity: CT findings in symptomatic patients, Kuhlman JE; Teigen C; Ren H; Hurban RH; Hutchins GM; Fishman EK, Radiology 1990; **177:** 121

anatomy of the major fissure: evaluation with standard and thin-section CT, Glazer HS; Anderson DJ; DiCroce JJ; Solomon SL; Wilson BS; Molina PL; Sagel SS, Radiology 1991; **180:** 839

anatomy of the minor fissure: evaluation with thin-section CT, Berkmen YM; Auh YH; Davis SD; Kazam E, Radiology 1989; **170:** 647

anatomy of the minor fissure: evaluation with thin-section CT, Frija J; Yana C; Laval-Jeantet M, Radiology 1989; **173:** 571

apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727

appraisal of CT pulmonary density mapping in normal subjects, Adams H; Bernard MS; McConnochie K, Clin Radiol 1991; **43:** 238

artifacts on lung CT scans: removal with Fourier filtration, Helenon O; Chanin DS; Laval-Jeantet M; Frija J, Radiology 1989; **171:** 572

asbestosis: high-resolution CT–pathologic correlation, Akira M; Yamamoto S; Yokoyama K; Kita N; Morinaga K; Higashihara T; Kozuka T, Radiology 1990; **176:** 389

assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Remy-Jardin M; Remy J; Deffontaines C; Duhamel A, Radiology 1991; **181:** 157

assessment of pulmonary airway reactivity with high-resolution CT, Herold CJ; Brown RH; Mitzner W; Links JM; Hirshman CA; Zerhouni EA, Radiology 1991; **181:** 369

brochiolitis obliterans after lung transplantation: findings at chest radiography and high-resolution CT, Morrish WF; Herman SJ; Weisbrod GL; Chamberlain DW; Toronto Lung Transplant Group, Radiology 1991; **179:** 487

bronchial impaction in lobar collapse: CT demonstration and pathologic correlation, Glazer HS; Anderson DJ; Sagel SS, AJR 1989; **153:** 485

bronchopulmonary sequestration: CT assessment, Ikezoe J; Murayama S; Godwin JD; Done SL; Verschakelen JA, Radiology 1990; **176:** 375

cavitating pulmonary nodules in histiocytosis-X: high resolution CT demonstration, Taylor DB; Joske D; Anderson J; et al, Australas Radiol 1990; **34:** 253

chest radiographic findings after bilateral lung transplantation, Herman SJ; Weisbrod GL; Weisbrod L; et al, AJR 1989; **153:** 1181

chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111

chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C, Radiology 1991; **179:** 123

chronic lung diseases: specific diagnosis by using CT, Bergin CJ; Coblentz CL; Chiles C; et al, AJR 1989; **152:** 1183

coal worker's pneumoconiosis: CT assessment in exposed workers and correlation with radiographic findings, Remy-Jardin M; Degreef JM; Beuscart R; Voisin C; Remy J, Radiology 1990; **177:** 363

computed tomography and magnetic resonance imaging in the diagnosis of pulmonary thromboembolic disease, Shah HR; Buckner CB; Purnell GL; et al, J Thorac Imag 1989; **4-4:** 58

computed tomography appearances of pulmonary alveolar proteinosis, Murch CR; Carr DH, Clin Radiol 1989; **40:** 240

computed tomography findings in the Swyer-James syndrome, Norton KI; Mendelson DS; Hodes D; et al, Clin Imag 1989; **13:** 48

computed tomography in chronic interstitial lung disease, Müller NL, Radiol Clin North Am 1991; **29:** 1085

computed tomography in invasive pulmonary aspergillosis, Potente G, Acta Radiol 1989; **30:** 587

computed tomography in massive pulmonary embolism, Kålebo P; Wallin J, Acta Radiol 1989; **30:** 105

computed tomography in pulmonary sarcoidosis, Lynch DA; Webb WR; Gamsu G; et al, JCAT 1989; **13:** 405

computed tomography in the diagnosis of asbestos-related thoracic disease, Gamsu G; Aberle DR; Lynch D, J Thorac Imag 1989; **4-1:** 61

computed tomography of air-space disease, Hommeyer SH; Godwin JD; Takasugi JE, Radiol Clin North Am 1991; **29:** 1065

computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure, Friedman AC; Fiel SB; Radecki PD; et al, Semin US CT MR 1990; **11:** 393

computed tomography of bronchiectasis in association with tuberculosis, Shin MS; Ho K-J, Clin Imag 1989; **13:** 36

computed tomography of chronic diffuse infiltrative lung disease. part 2, (ab), Müller NL; Miller RR, Radiology 1991; **179:** 884

computed tomography of folded lung, Carvalho PM; Carr DH, Clin Radiol 1990; **41:** 86

computed tomography of pseudotumoral pleural fluid collections in the azygoesophageal recess, Pecorari A; Weisbrod GL, JCAT 1989; **13:** 803

computerized tomographic densitometry of the solitary pulmonary nodule using a nodule phantom, (ab), Jones FA; Wiedemann HP; O'Donovan PB; et al, Radiology 1990; **175:** 588

conventional and high resolution computed tomography in the diagnosis of asbestos-related diseases, Lynch DA; Gamsu G; Aberle DR, Radiographics 1989; **9:** 523

correlation of subcarinal density visualized on plain chest roentgenograms with computed tomographic scans, (ab), Hammersley JR; Grum CM; Green RA, Radiology 1990; **177:** 291

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

CT appearance of cystic adenomatoid malformations, Shackelford GD; Siegel MJ, JCAT 1989; **13:** 612

CT evaluation of solitary pulmonary nodules: value of 185-H reference phantom, Swensen SJ; Harms GF; Morin RL; et al, AJR 1991; **156:** 925

CT features of rounded atelectasis, McHugh K; Blaquiere RM, AJR 1989; **153:** 257

CT features of thoracic mycobacterial disease, Kuhlman JE; Deutsch JH; Fishman EK; Siegelman SS, Radiographics 1990; **10:** 413

CT findings in fungal opportunistic pneumonias: body and brain involvement, Potente G, Comput Med Imag Graph 1989; **13:** 423

CT findings in Swyer-James syndrome, Marti-Bonmati L; Perales FR; Catala F; Mata JM; Calonge E, Radiology 1989; **172:** 477

CT findings of pulmonary sarcoidosis: analysis of 25 patients, Müller NL; Kullnig P; Miller RR, AJR 1989; **152:** 1179

CT follow-up of empyemas: pleural peels resolve after percutaneous catheter drainage, Neff CC; vanSonnenberg E; Lawson DW; Patton AS, Radiology 1990; **176:** 195

CT of congenital malformations of the lung, Mata JM; Cáceres J; Lucaya J; Garcia-Conesa JA, Radiographics 1990; **10:** 651

CT of inflation-fixed lungs: wedge-shaped density and vascular sign in the diagnosis of infarction, Ren H; Kuhlman JE; Hruban RH; et al, JCAT 1990; **14:** 82

CT of the airways, Davis SD; Maldjian C; Perone RW; et al, Clin Imag 1990; **14:** 280

CT of the pulmonary hilum, Chiles C, Radiol Clin North Am 1990; **28:** 539

CT-pathology correlation of amiodarone lung, Ren H; Kuhlman JE; Hruban RH; et al, JCAT 1990; **14:** 760

cystic fibrosis: scoring system with thin-section CT, Bhalla M; Turcios N; Aponte V; Jenkins M; Leitman BS; McCauley DI; Naidich DP, Radiology 1991; **179:** 783

cystosarcoma phylloides: calcified pulmonary metastases detected by computed tomography, Samuels TH; Kerenyi N; Hamilton PA, J Canad Assoc Radiol 1990; **41:** 217

cytomegalovirus pneumonia: computed tomography findings, Aafedt BC; Halvorsen RA Jr; Tylén U; et al, J Canad Assoc Radiol 1990; **41:** 276

detection of asbestosis with high-resolution CT, Friedman AC; Radecki PD; Fiel SB, Radiology 1989; **170:** 278

detection of asbestosis with high-resolution CT: reply, Aberle DR; Gamsu G, Radiology 1989; **170:** 278

detection of bronchiectasis by high-resolution computed tomography in the yellow nail syndrome, Wiggins J; Strickland B; Chung KF, Clin Radiol 1991; **43:** 377

diagnosis of mild emphysema: correlation of computed tomography and pathology scores, (ab), Kuwano K; Matsuba K; Ikeda T; et al, Radiology 1990; **176:** 887

differential diagnosis of chronic diffuse infiltrative lung disease on high-resolution computed tomography, Müller NL, Semin Roentgenol 1991; **26:** 132

early asbestosis: evaluation with high-resolution CT, Akira M; Yokoyama K; Yamamoto S; Higashihara T; Morinaga K; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1991; **178:** 409

endobronchial tuberculosis: CT features, Lee KS; Kim YH; Kim WS; et al, JCAT 1991; **15:** 424

enhancement of collapsed lung: a potential pitfall in CT interpretation, Davis SG; Turner MJ, Clin Radiol 1990; **42:** 192

expiratory computed tomography for assessment of suspected pulmonary emphysema, (ab), Knudson RJ; Standen JR; Kaltenborn WT; et al, Radiology 1991; **181:** 909

Fleischner lecture: computed tomography of diffuse pulmonary disease, Genereux GP, J Thorac Imag 1989; **4-3:** 50

fulminant pulmonary calcification complicating renal transplantation: CT demonstration, Kuhlman JE; Ren H; Hutchins GM; Fishman EK, Radiology 1989; **173:** 459

fungal pulmonary infections after bone marrow transplantation: evaluation with radiography and CT, Mori M; Galvin JR; Barloon TJ; Gingrich RD; Stanford W, Radiology 1991; **178:** 721

general case of the day, Mata JM; Cáceres J; Senac JP; Giron J; Alegret X, Radiographics 1991; **11:** 716

hemoptysis: CT-bronchoscopic correlations in 58 cases, Naidich DP; Funt S; Ettenger NA; Arranda C, Radiology 1990; **177:** 357

high resolution computed tomography and lung function in asbestos-exposed workers with normal chest radiographs, (ab), Staples CA; Gamsu G; Ray CS; et al, Radiology 1989; **173:** 883

high resolution computed tomography in adult cystic fibrosis patients with mild lung disease, Santis G; Hodson ME; Strickland B, Clin Radiol 1991; **44:** 20

high-resolution computed tomography in extrinsic allergic alveolitis, Hansell DM; Moskovic E, Clin Radiol 1991; **43:** 8

high-resolution computed tomography in pulmonary cystic fibrosis, Hansell DM; Strickland B, Br J Radiol 1989; **62:** 1

high-resolution computed tomography of asbestos-related diseases, Aberle DR, Semin Roentgenol 1991; **26:** 118

high-resolution computed tomography of cystic lung disease, Naidich DP, Semin Roentgenol 1991; **26:** 151

high resolution computed tomography of diffuse lung disease, Klein J; Gamsu G, Invest Radiol 1989; **24:** 805

high resolution computed tomography of diffuse lung disease, Gamsu G; Klein JS, Clin Radiol 1989; **40:** 554

high-resolution computed tomography of focal lung disease, Templeton PA; Zerhouni EA, Semin Roentgenol 1991; **26:** 143

high resolution computed tomography of *Pneumocystis carinii* pneumonia in AIDS, Moskovic E; Miller R; Pearson M, Clin Radiol 1990; **42:** 239

high-resolution computed tomography of the lung: normal and abnormal anatomy, Webb WR, Semin Roentgenol 1991; **26:** 110

high-resolution computed tomography of the pulmonary parenchyma, Noma S; Khan A; Herman PG; et al, Semin US CT MR 1990; **11:** 365

high resolution computed tomography: technical aspects, Mayo JR, Radiol Clin North Am 1991; **29:** 1043

high-resolution CT of the lung parenchyma, Webb WR, Radiol Clin North Am 1989; **27:** 1085

high resolution CT of the pulmonary parenchyma, (ab), Naidich DP; Zerhouni EA, Radiology 1990; **177:** 291

high resolution lung computed tomography: normal anatomic and pathologic findings, Webb WR, Radiol Clin North Am 1991; **29:** 1051

hypersensitivity pneumonitis: evaluation with CT, Silver SF; Müller NL; Miller RR; Lefcoe MS, Radiology 1989; **173:** 441

interleukin-2 therapy for advanced renal cell carcinoma: radiographic evaluation of response and complications, Davis SD; Berkmen YM; Wang JCL, Radiology 1990; **177:** 127

interstitial lung disease in progressive systemic sclerosis: high-resolution CT versus radiography, Schurawitzki H; Stiglbauer R; Graninger W; Herold C; Pölzleitner D; Burghuber OC; Tscholakoff D, Radiology 1990; **176:** 755

intralobular distribution of oleic acid-induced pulmonary edema in the pig: evaluation by high-resolution CT, Murata K; Herman PG; Khan A; et al, Invest Radiol 1989; **24:** 647

intrathoracic complications following allogeneic bone marrow transplantation: CT findings, Graham NJ; Müller NL; Miller RR; Shepherd JD, Radiology 1991; **181:** 153

left azygos lobe, Takasugi JE; Godwin JD, Radiology 1989; **171:** 133

left paratracheal reflection, Proto AV; Corcoran HL; Ball JB Jr, Radiology 1989; **171:** 625

limitations of computed tomography in the assessment of emphysema, (ab), Miller RR; Müller NL; Vedal S; et al, Radiology 1989; **172:** 883

low-dose CT of the lungs: preliminary observations, Naidich DP; Marshall CH; Gribbin C; Arams RS; McCauley DI, Radiology 1990; **175:** 729

low-dose high-resolution CT of lung parenchyma, Zwirewich CV; Mayo JR; Müller NL, Radiology 1991; **180:** 413

lung abscess: CT-guided drainage, vanSonnenberg E; D'Agostino HB; Casola G; Wittich GR; Varney RR; Harker C, Radiology 1991; **178:** 347

lung: spiral volumetric CT with single-breath-hold technique, Vock P; Soucek M; Daepp M; Kalender WA, Radiology 1990; **176:** 864

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

magnetic resonance imaging and computed tomography findings in a patient with lymphomatoid granulomatosis, Mendelson DS; Apter S; Kirschner PA; et al, Clin Imag 1989; **13:** 130

measurement of pulmonary parenchymal attenuation: use of spirometric gating with quantitative CT, Kalender WA; Rienmüller R; Seissler W; Behr J; Welke M; Fichte H, Radiology 1990; **175:** 265

metastatic pulmonary calcifications after cardiac surgery in children, Mani TM; Lallemand D; Corone S; Mauriat P, Radiology 1990; **174:** 463

model simulations of pulmonary edema: phantom studies with computed tomography, Wegenius G, Invest Radiol 1991; **26:** 149

Nocardia infection in patients with liver transplants or chronic liver disease: radiologic findings, Raby N; Forbes G; Williams R, Radiology 1990; **174:** 713

pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243

peripheral upper lobe collapse in adults, Don C; Desmarais R, Radiology 1989; **170:** 657

Pneumocystis carinii pneumonia: CT and HRCT observations, Bergin CJ; Wirth RL; Berry GJ; et al, JCAT 1990; **14:** 756

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

postpneumonectomy syndrome after left lung resection, Quillin SP; Shackelford GD, Radiology 1991; **179:** 100

premature bullous pulmonary damage in AIDS: CT diagnosis, Kuhlman JE; Knowles MC; Fishman EK; Siegelman SS, Radiology 1989; **173:** 23

pulmonary contusion: CT vs plain radiograms, Schild HH; Strunk H; Weber W; et al, JCAT 1989; **13:** 417

pulmonary cystic disease: comparison of *Pneumocystis carinii* pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

pulmonary histiocytosis X: comparison of radiographic and CT findings, Moore ADA; Godwin JD; Müller NL; Naidich DP; Hammar SP; Buschman DL; Takasugi JE; de Carvalho CRR, Radiology 1989; **172:** 249

pulmonary histiocytosis X: evaluation with high-resolution CT, Brauner MW; Grenier P; Mouelhi MM; Mompoint D; Lenoir S, Radiology 1989; **172:** 255

pulmonary infarction: CT appearance with pathologic correlation, Balakrishnan J; Meziane MA; Siegelman SS; et al, JCAT 1989; **13:** 941

pulmonary lymphangioleiomyomatosis: CT and pathologic findings, Templeton PA; McLoud TC; Müller NL; et al, JCAT 1989; **13:** 54

pulmonary lymphangioleiomyomatosis: high-resolution CT findings in four cases, Rappaport DC; Weisbrod GL; Herman SJ; et al, AJR 1989; **152:** 961

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

pulmonary lymphangiomyomatosis: correlation of CT with radiographic and functional findings, Müller NL; Chiles C; Kullnig P, Radiology 1990; **175:** 335

pulmonary nodule: evaluation with spiral volumetric CT, Costello P; Anderson W; Blume D, Radiology 1991; **179:** 875

pulmonary parenchymal disease: evaluation with high-resolution CT, Murata K; Khan A; Herman PG, Radiology 1989; **170:** 629

pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22

pulmonary sarcoidosis: evaluation with high-resolution CT, Brauner MW; Grenier P; Mompoint D; Lenoir S; de Crémoux H, Radiology 1989; **172:** 467

pulmonary sarcoidosis: what are we learning from CT?, Austin JHM, Radiology 1989; **171:** 603

pulmonary septic emboli: diagnosis with CT, Kuhlman JE; Fishman EK; Teigen C, Radiology 1990; **174:** 211

quantitation of emphysema by computed tomography using a "density mask" program and correlation with pulmonary function tests, (ab), Kinsella M; Müller NL; Abboud RT; et al, Radiology 1990; **176:** 887

quantitative density-time measurements in the lungs of children with suspected airway obstruction using ultrafast CT, Ringertz HG; Brasch RC; Gooding CA; et al, Pediatr Radiol 1989; **19:** 366

radiographic type p pneumoconiosis: high-resolution CT, Akira M; Higashihara T; Yokoyama K; Yamamoto S; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1989; **171:** 117

right upper lobe versus right middle lobe: differentiation with thin-section, high-resolution CT, Otsuji H; Hatakeyama M; Kitamura I; Yoshimura H; Iwasaki S; Ohishi H; Uchida H; Kitamura S; Narita N, Radiology 1989; **172:** 653

role of chest computed tomography in the diagnosis of drug-related reactions, Kuhlman JE, J Thorac Imag 1991; **6-1:** 52

sarcoidosis: correlation of extent of disease at CT with clinical, functional, and radiographic findings, Müller NL; Mawson JB; Mathieson JR; Abboud R; Ostrow DN; Champion P, Radiology 1989; **171:** 613

sarcoidosis: correlation of pulmonary parenchymal pattern at CT with results of pulmonary function tests, Bergin CJ; Bell DY; Coblentz CL; Chiles C; Gamsu G; MacIntyre NR; Coleman RE; Putman CE, Radiology 1989; **171:** 619

semiautomatic evaluation procedures for quantitative CT of the lung, Kalender WA; Fichte H; Bautz W; et al, JCAT 1991; **15:** 248

single-lung transplantation: imaging features, Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group, Radiology 1989; **170:** 89

small pulmonary nodules: dynamic CT with a single-breath technique, Shaffer K; Pugatch RD, Radiology 1989; **173:** 567

solitary pulmonary nodules: comparison of classification with standard, thin-section, and reference phantom CT, Khan A; Herman PG; Vorwerk P; Stevens P; Rojas KA; Graver M, Radiology 1991; **179:** 477

solitary pulmonary nodules: evaluation with a CT reference phantom, Huston J III; Muhm JR, Radiology 1989; **170:** 653

spiral volumetric CT with single-breath-hold technique, continuous transport, and continuous scanner rotation, Kalender WA; Seissler W; Klotz E; Vock P, Radiology 1990; **176:** 181

state of the art: computed tomography of chronic diffuse infiltrative lung disease. part I, (ab), Müller NL; Miller RR, Radiology 1991; **180:** 884

stratified impairment of pulmonary ventilation in "diffuse panbronchiolitis:" PET and CT studies, Murata K; Itoh H; Senda M; et al, JCAT 1989; **13:** 48

subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J, Radiology 1990; **177:** 133

surgical definition of pleural peel, Moulton AL, Radiology 1991; **178:** 889

surgical definition of pleural peel: reply, Neff CC; vanSonnenberg E, Radiology 1991; **178:** 889

thin-walled cavities, cysts, and pneumothorax in *Pneumocystis carinii* pneumonia: further observations with histopathologic correlation, Feuerstein IM; Archer A; Pluda JM; Francis PS; Falloon J; Masur H; Pass HI; Travis WD, Radiology 1990; **174:** 697

transient subpleural curvilinear shadow caused by pulmonary congestion, Arai K; Takashima T; Matsui O; et al, JCAT 1990; **14:** 87

value of computed tomography in the diagnosis and management of bronchiectasis, Pang JA; Hamilton-Wood C; Metreweli C, Clin Radiol 1989; **40:** 40

value of computed tomography in the diagnosis of amiodarone-induced pulmonary toxicity, Nicholson AA; Hayward C, Clin Radiol 1989; **40:** 564

Lung, cysts

CT appearance of cystic adenomatoid malformations, Shackelford GD; Siegel MJ, JCAT 1989; **13:** 612

cystic pulmonary lesions in patients with AIDS, Panicek DM, Radiology 1989; **173:** 12

from the archives of the AFIP: congenital cystic adenomatoid malformation, Rosado-de-Christenson ML; Stocker JT, Radiographics 1991; **11:** 865

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

malignant neoplasms arising in cystic hamartomas of the lung in childhood, Hedlund GL; Bisset GS III; Bove KE, Radiology 1989; **173:** 77

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

premature bullous pulmonary damage in AIDS: CT diagnosis, Kuhlman JE; Knowles MC; Fishman EK; Siegelman SS, Radiology 1989; **173:** 23

progression of pulmonary cystic disease during ECMO, Gross GW; Cullen J; Desai HJ, Pediatr Radiol 1990; **20:** 191

pulmonary cystic disease: comparison of *Pneumocystis carinii* pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

pulmonary cysts associated with *Pneumocystis carinii* pneumonia in patients with AIDS, Sandhu JS; Goodman PC, Radiology 1989; **173:** 33

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

submarine escape training, lung cysts and tension pneumothorax, Saywell WR, Br J Radiol 1989; **62:** 276

thin-walled cavities, cysts, and pneumothorax in *Pneumocystis carinii* pneumonia: further observations with histopathologic correlation, Feuerstein IM; Archer A; Pluda JM; Francis PS; Falloon J; Masur H; Pass HI; Travis WD, Radiology 1990; **174:** 697

traumatic lung cyst, Ayuso JR; Ares J; Vilana R; et al, J Canad Assoc Radiol 1989; **40:** 174

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 1140

Lung, density

appraisal of CT pulmonary density mapping in normal subjects, Adams H; Bernard MS; McConnochie K, Clin Radiol 1991; **43:** 238

correlation of subcarinal density visualized on plain chest roentgenograms with computed tomographic scans, (ab), Hammersley JR; Grum CM; Green RA, Radiology 1990; **177:** 291

influence of radiation therapy on the lung-tissue in breast cancer patients: CT-assessed density changes and associated symptoms, Rotstein S; Lax I; Svane G, Int J Radiat Oncol Biol Phys 1990; **18:** 173

lung density changes observed *in vivo* in rat lungs after irradiation: variations among and within individual lungs, El-Khatib E; Lehnert S, Int J Radiat Oncol Biol Phys 1989; **16:** 745

measurement of pulmonary parenchymal attenuation: use of spirometric gating with quantitative CT, Kalender WA; Rienmüller R; Seissler W; Behr J; Welke M; Fichte H, Radiology 1990; **175:** 265

quantitative density-time measurements in the lungs of children with suspected airway obstruction using ultrafast CT, Ringertz HG; Brasch RC; Gooding CA; et al, Pediatr Radiol 1989; **19:** 366

semiautomatic evaluation procedures for quantitative CT of the lung, Kalender WA; Fichte H; Bautz W; et al, JCAT 1991; **15:** 248

vertical gradients of lung density in healthy supine men, (ab), Millar AB; Denison DM, Radiology 1990; **174:** 585

Lung, diseases

asbestosis: high-resolution CT–pathologic correlation, Akira M; Yamamoto S; Yokoyama K; Kita N; Morinaga K; Higashihara T; Kozuka T, Radiology 1990; **176:** 389

assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Remy-Jardin M; Remy J; Deffontaines C; Duhamel A, Radiology 1991; **181:** 157

assessment of the right ventricle by magnetic resonance imaging in chronic obstructive lung disease, (ab), Turnbull LW; Ridgway JP; Biernacki W; et al, Radiology 1991; **178:** 896

bronchopulmonary dysplasia: radiographic appearance in middle childhood, Griscom NT; Wheeler WB; Sweezey NB; Kim YC; Lindsey JC; Wohl MEB, Radiology 1989; **171:** 811

chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111

chronic interstitial lung disease of unknown cause: a new classification based on pathogenesis, Hogg JC, AJR 1991; **156:** 225

chronic lung diseases: specific diagnosis by using CT, Bergin CJ; Coblentz CL; Chiles C; et al, AJR 1989; **152:** 1183

clinical prediction rate for pulmonary infiltrates, (ab), Heckerling PS; Tape TG; Wigton RS; et al, Radiology 1991; **179:** 885

clinico-radiologic-pathologic conference: a 50-year-old woman with polymyositis and chronic bibasilar lung disease, Forster BB; Blackie SP; Müller NL; et al, J Canad Assoc Radiol 1990; **41:** 45

coal worker's pneumoconiosis: CT assessment in exposed workers and correlation with radiographic findings, Remy-Jardin M; Degreef JM; Beuscart R; Voisin C; Remy J, Radiology 1990; **177:** 363

comparison of dual-energy digital radiography and screen-film imaging in the detection of subtle interstitial pulmonary disease, Barnes GT; Sabbagh EA; Chakraborty DP; et al, Invest Radiol 1989; **24:** 585

computed tomographic spectrum of thoracic sarcoidosis, Kuhlman JE; Fishman EK; Hamper UM; Knowles MC; Siegelman SS, Radiographics 1989; **9:** 449

computed tomography in chronic interstitial lung disease, Müller NL, Radiol Clin North Am 1991; **29:** 1085

computed tomography in invasive pulmonary aspergillosis, Potente G, Acta Radiol 1989; **30:** 587

computed tomography in pulmonary sarcoidosis, Lynch DA; Webb WR; Gamsu G; et al, JCAT 1989; **13:** 405

computed tomography in the diagnosis of asbestos-related thoracic disease, Gamsu G; Aberle DR; Lynch D, J Thorac Imag 1989; **4-1:** 61

computed tomography of air-space disease, Hommeyer SH; Godwin JD; Takasugi JE, Radiol Clin North Am 1991; **29:** 1065

computed tomography of chronic diffuse infiltrative lung disease. part 2, (ab), Müller NL; Miller RR, Radiology 1991; **179:** 884

conventional and high resolution computed tomography in the diagnosis of asbestos-related diseases, Lynch DA; Gamsu G; Aberle DR, Radiographics 1989; **9:** 523

correlation of chest roentgenograms with pulmonary function and bronchoalveolar lavage in interstitial lung disease, (ab), Nugent KM; Peterson MW; Jolles H; et al, Radiology 1990; **175:** 883

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

CT findings in Swyer-James syndrome, Marti-Bonmati L; Perales FR; Catala F; Mata JM; Calonge E, Radiology 1989; **172:** 477

CT findings of pulmonary sarcoidosis: analysis of 25 patients, Müller NL; Kullnig P; Miller RR, AJR 1989; **152:** 1179

cystic pulmonary lesions in patients with AIDS, Panicek DM, Radiology 1989; **173:** 12

detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989; **170:** 677

detection of asbestosis with high-resolution CT, Friedman AC; Radecki PD; Fiel SB, Radiology 1989; **170:** 278

detection of asbestosis with high-resolution CT: reply, Aberle DR; Gamsu G, Radiology 1989; **170:** 278

detection of bullous lung disease: conventional radiography vs digital storage phosphor radiography, Buckley KM; Schaefer CM; Greene R; et al, AJR 1991; **156:** 467

diagnosis of pulmonary hemosiderosis by MR imaging, Rubin GD; Edwards DK III; Reicher MA; et al, AJR 1989; **152:** 573

differential diagnosis of chronic diffuse infiltrative lung disease on high-resolution computed tomography, Müller NL, Semin Roentgenol 1991; **26:** 132

diffuse lung disease in the current spectrum of immunocompromised hosts (non-AIDS), Moore EH, Radiol Clin North Am 1991; **29:** 983

early asbestosis: evaluation with high-resolution CT, Akira M; Yokoyama K; Yamamoto S; Higashihara T; Morinaga K; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1991; **178:** 409

exercise-induced changes in left ventricular function after phlebotomy in patients with polycythemic COPD, Milne N; Light RW; Chetty KG, J Thorac Imag 1990; **5-3:** 68

Fleischner lecture: computed tomography of diffuse pulmonary disease, Genereux GP, J Thorac Imag 1989; **4-3:** 50

focal pulmonary lesions in patients with AIDS: percutaneous transthoracic needle biopsy, Scott WW Jr; Kuhlman JE, Radiology 1991; **180:** 419

from the archives of the AFIP: congenital cystic adenomatoid malformation, Rosado-de-Christenson ML; Stocker JT, Radiographics 1991; **11:** 865

gallium uptake in tryptophan-related pulmonary disease, Kim SM; Park CH; Intenzo CM; et al, J Nucl Med 1991; **32:** 328

goblet cell metaplasia causing alveolar disease of the lung: radiographic and pathologic findings, Nazarian GK; Gross BH; Del Buono EA, AJR 1989; **152:** 1195

high-resolution computed tomography in pulmonary sarcoidosis, Dawson WB; Müller NL, Semin US CT MR 1990; **11:** 423

high-resolution computed tomography of cystic lung disease, Naidich DP, Semin Roentgenol 1991; **26:** 151

high resolution computed tomography of diffuse lung disease, Klein J; Gamsu G, Invest Radiol 1989; **24:** 805

high resolution computed tomography of diffuse lung disease, Gamsu G; Klein JS, Clin Radiol 1989; **40:** 554

high-resolution computed tomography of focal lung disease, Templeton PA; Zerhouni EA, Semin Roentgenol 1991; **26:** 143

hypersensitivity pneumonitis: evaluation with CT, Silver SF; Müller NL; Miller RR; Lefcoe MS, Radiology 1989; **173:** 441

imaging of diffuse lung diseases: past, present, and future, Müller NL; Mayo JR; Lentle BC, Radiol Clin North Am 1991; **29:** 1115

imaging techniques for assessing pulmonary artery hypertension and right ventricular performance with special reference to COPD, Matthay RA; Shub C, J Thorac Imag 1990; **5-3:** 47

increased incidence of pulmonary tuberculosis in chronic interstitial lung disease, (ab), Schachor Y; Schindler D; Siegal A; et al, Radiology 1989; **172:** 883

inflammatory pseudotumor of the lung in adults: radiographic and clinicopathological analysis, (ab), Ishida T; Oka T; Nishino T; et al, Radiology 1990; **174:** 899

interstitial lung disease: impact of postprocessing in digital storage phosphor imaging, Schaefer CM; Greene RE; Llewellyn HJ; Mrose HE; Pile-Spellman EA; Rubens JR; Lindemann SR, Radiology 1991; **178:** 733

interstitial lung disease in progressive systemic sclerosis: high-resolution CT versus radiography, Schurawitzki H; Stiglbauer R; Graninger W; Herold C; Pölzleitner D; Burghuber OC; Tscholakoff D, Radiology 1990; **176:** 755

intrathoracic complications following allogeneic bone marrow transplantation: CT findings, Graham NJ; Müller NL; Miller RR; Shepherd JD, Radiology 1991; **181:** 153

leptospirosis of the lung: radiographic findings in 58 patients, Im J-G; Yeon KM; Han MC; et al, AJR 1989; **152:** 955

lipoid pneumonia in infants: a radiological-pathological study, Hugosson CO; Riff EJ; Moore CCM; et al, Pediatr Radiol 1991; **21:** 193

low-dose CT of the lungs: preliminary observations, Naidich DP; Marshall CH; Gribbin C; Arams RS; McCauley DI, Radiology 1990; **175:** 729

lung function in silica-exposed workers: a relationship to disease severity assessed by CT scan, (ab), Bégin R; Ostiguy G; Cantin A; et al, Radiology 1989; **171:** 586

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

misconceptions regarding the pathogenicity of silicas and silicates, Feigin DS, J Thorac Imag 1989; **4-1:** 68

necrobacillosis, Adler J; Chakera TMH; Thompson R, Australas Radiol 1990; **34:** 256

occupational lung disease, McLoud TC, Radiol Clin North Am 1991; **29:** 931

pet-associated lung diseases, Winer-Muram HT; Rubin SA, J Thorac Imag 1991; **6-3:** 14

pleuropulmonary disease during bromocriptine treatment of Parkinson's disease, (ab), McElvaney NG; Wilcox PG; Churg A; et al, Radiology 1989; **171:** 881

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

potential usefulness of an artificial neural network for differential diagnosis of interstitial lung diseases: pilot study, Asada N; Doi K; MacMahon H; Montner SM; Giger ML; Abe C; Wu Y, Radiology 1990; **177:** 857

premature bullous pulmonary damage in AIDS: CT diagnosis, Kuhlman JE; Knowles MC; Fishman EK; Siegelman SS, Radiology 1989; **173:** 23

prospective evaluation of plain radiographic signs of chronic obstructive pulmonary disease, Woodring JH; Phillips BA; West JW; et al, J Thorac Imag 1991; **6-2:** 14

pulmonary cystic disease: comparison of *Pneumocystis carinii* pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

pulmonary cysts associated with *Pneumocystis carinii* pneumonia in patients with AIDS, Sandhu JS; Goodman PC, Radiology 1989; **173:** 33

pulmonary dirofilariasis: the great imitator of primary or metastatic lung tumor—a clinicopathologic analysis of seven cases and a review of the literature, (ab), Roe JY; Tsakalakis PJ; White VA; et al, Radiology 1989; **172:** 585

pulmonary dirofilariasis: the largest single-institution experience, (ab), Risher WH; Crocker EF Jr; Beckman EN; et al, Radiology 1989; **173:** 592

pulmonary disease associated with L-tryptophan-induced eosinophilic myalgia syndrome: clinical and pathologic features, (ab), Tazelaar HD; Myers JL; Drage CW; et al, Radiology 1990; **177:** 596

pulmonary histiocytosis X: comparison of radiographic and CT findings, Moore ADA; Godwin JD; Müller NL; Naidich DP; Hammar SP; Buschman DL; Takasugi JE; de Carvalho CRR, Radiology 1989; **172:** 249

pulmonary lymphangioleiomyomatosis: CT and pathologic findings, Templeton PA; McLoud TC; Müller NL; et al, JCAT 1989; **13:** 54

pulmonary lymphangioleiomyomatosis: high-resolution CT findings in four cases, Rappaport DC; Weisbrod GL; Herman SJ; et al, AJR 1989; **152:** 961

pulmonary lymphoproliferative disorders, Epstein DM; Glickstein MF, Radiol Clin North Am 1989; **27:** 1077

pulmonary manifestations of AIDS: CT and radiographic correlations, Naidich DP; McGuinness G, Radiol Clin North Am 1991; **29:** 999

pulmonary parenchymal disease: evaluation with high-resolution CT, Murata K; Khan A; Herman PG, Radiology 1989; **170:** 629

pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22

pulmonary sarcoidosis: what are we learning from CT?, Austin JHM, Radiology 1989; **171:** 603

quantitative computer-aided analysis of lung texture in chest radiographs, Katsuragawa S; Doi K; MacMahon H; Nakamori N; Sasaki Y; Fennessy JJ, Radiographics 1990; **10:** 257

radiographic approach to diffuse lung disease, Chiles C, Radiol Clin North Am 1991; **29:** 919

radionuclide salivagram for detecting the pulmonary aspiration of saliva in an infant, Heyman S, Pediatr Radiol 1989; **19:** 208

roentgenographic features of pulmonary disease caused by atypical mycobacteria, (ab), Woodring JH; Vandiviere HM; Melvin IG; et al, Radiology 1989; **170:** 288

roentgenologic features of pulmonary blastomycosis, (ab), Brown LR; Swensen SJ; Van Scoy RE; et al, Radiology 1991; **180:** 588

routine chest radiographs in exacerbations of chronic obstructive pulmonary disease: diagnostic value, (ab), Sherman S; Skoney JA; Ravikrishnan KP, Radiology 1990; **175:** 883

sarcoidosis: correlation of pulmonary parenchymal pattern at CT with results of pulmonary function tests, Bergin CJ; Bell DY; Coblentz CL; Chiles C; Gamsu G; MacIntyre NR; Coleman RE; Putman CE, Radiology 1989; **171:** 619

scintigraphic studies of inflammation in diffuse lung disease, Line BR, Radiol Clin North Am 1991; **29:** 1095

state of the art: computed tomography of chronic diffuse infiltrative lung disease. part I, (ab), Müller NL; Miller RR, Radiology 1991; **180:** 884

subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J, Radiology 1990; **177:** 133

surgical treatment of hydatid cysts of the lung: report on 1055 patients, (ab), Dogan R; Yüksel M; Çetin G; et al, Radiology 1990; **174:** 586

technetium-99m-MIBI and thallium-201 uptake in pulmonary actinomycosis, Aktolun C; Demirel D; Kir M; et al, J Nucl Med 1991; **32:** 1429

thoracic manifestations of Wegener granulomatosis: diagnosis and course, Aberle DR; Gamsu G; Lynch D, Radiology 1990; **174:** 703

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 1140

varied appearance of AIDS-related lymphoma in the chest, Sider L; Weiss AJ; Smith MD; VonRoenn JH; Glassroth J, Radiology 1989; **171:** 629

Lung, edema

See Lung, fluid

Lung, effects of drugs on

adult respiratory distress syndrome from overdose of tricyclic antidepressants, Varnell RM; Godwin JD; Richardson ML; Vincent JM, Radiology 1989; **170:** 667

amiodarone pulmonary toxicity: CT findings in symptomatic patients, Kuhlman JE; Teigen C; Ren H; Hurban RH; Hutchins GM; Fishman EK, Radiology 1990; **177:** 121

chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH, Radiology 1989; **172:** 459

clinical diagnosis of drug-induced pulmonary disorders, Gregory SA; Grippi MA, J Thorac Imag 1991; **6-1:** 8

computed tomography of pulmonary bleomycin toxicity, Mills P; Husband J, Semin US CT MR 1990; **11:** 417

crack lung: an acute pulmonary syndrome with a spectrum of clinical and histopathologic findings, (ab), Forrester JM; Steele AW; Waldron JA; et al, Radiology 1991; **178:** 587

CT-pathology correlation of amiodarone lung, Ren H; Kuhlman JE; Hruban RH; et al, JCAT 1990; **14:** 760

cystic pulmonary lesions in patients with AIDS, Panicek DM, Radiology 1989; **173:** 12

drug-induced pulmonary disease: an update, Aronchick JM; Gefter WB, J Thorac Imag 1991; **6-1:** 19

eosinophilia-myalgia syndrome: findings on chest radiographs in 18 patients, Williamson MR; Eidson M; Rosenberg RD; Williamson SL, Radiology 1991; **180:** 849

interleukin-2 therapy for advanced renal cell carcinoma: radiographic evaluation of response and complications, Davis SD; Berkmen YM; Wang JCL, Radiology 1990; **177:** 127

lung disorders due to drug abuse, McCarroll KA; Roszler MH, J Thorac Imag 1991; **6-1:** 30

pathologic mechanisms of drug-induced lung disorders, Pietra GG, J Thorac Imag 1991; **6-1:** 1

pulmonary cystic disease: comparison of *Pneumocystis carinii* pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

pulmonary edema in cocaine smokers, Hoffman CK; Goodman PC, Radiology 1989; **172:** 463

pulmonary infection after cardiac transplantation: clinical and radiologic correlations, Austin JHM; Schulman LL; Mastrobattista JD, Radiology 1989; **172:** 259

pulmonary toxicity of cytotoxic and immunosuppressive agents: a review, Lehne G; Lote K, Acta Oncol 1990; **29:** 113

radiographic distribution of *Pneumocystis carinii* pneumonia in patients with AIDS treated with prophylactic inhaled pentamidine, Chaffey MH; Klein JS; Gamsu G; Blanc P; Golden JA, Radiology 1990; **175:** 715

radionuclide scanning in the detection of drug-induced lung disorders, Moinuddin M, J Thorac Imag 1991; **6-1:** 62

role of chest computed tomography in the diagnosis of drug-related reactions, Kuhlman JE, J Thorac Imag 1991; **6-1:** 52

single-lung transplantation: imaging features, Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group, Radiology 1989; **170:** 89

value of computed tomography in the diagnosis of amiodarone-induced pulmonary toxicity, Nicholson AA; Hayward C, Clin Radiol 1989; **40:** 564

vascular leak syndrome associated with interleukin-2: chest radiographic manifestations, Mann H; Ward JH; Samlowski WE, Radiology 1990; **176:** 191

Lung, effects of irradiation on

1-year time course study of the relaxation times and histology for irradiated rat lungs, Shioya S; Haida M; Fukuzaki M; et al, Magn Res Med 1990; **14:** 358

acute radiation-induced pulmonary injury: computed tomography evaluation, Ikezoe J; Morimoto S; Takashima S; et al, Semin US CT MR 1990; **11:** 409

captopril reduces collagen and mast cell accumulation in irradiated rat lung, Ward WF; Molteni A; Ts'ao C-H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1405

computerized tomography versus perfusion lung scanning in canine radiation lung injury, Ahmed IH; Logus JW; El-Khatib E; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 577

deterioration in lung function following hemithorax irradiation for pleural mesothelioma, Maasilta P, Int J Radiat Oncol Biol Phys 1991; **20:** 433

development of distant pulmonary infiltrates following thoracic irradiation: the role of computed tomography with dosimetric reconstruction in diagnosis, Wechsler RJ; Ayyangar K; Steiner RM; et al, Comput Med Imag Graph 1990; **14:** 43

differentiation of radiation fibrosis from recurrent neoplasia: a role for ^{31}P MR spectroscopy?, Charles HC; Baker ME; Hathorn JW; et al, AJR 1990; **154:** 67

diffuse gallium-67 uptake in radiation pneumonitis, Kataoka M; Kawamura M; Ueda N; et al, Clin Nucl Med 1990; **15:** 707

effect of postoperative radiotherapy on changes in pulmonary function in patients with stage II and IIIA lung carcinoma, Choi NC; Kanarek DJ; Grillo HC, Int J Radiat Oncol Biol Phys 1990; **18:** 95

gadolinium-DTPA enhancements of lung radiation fibrosis, Werthmuller WC; Schiebler ML; Whaley RA; et al, JCAT 1989; **13:** 946

influence of radiation therapy on the lung-tissue in breast cancer patients: CT-assessed density changes and associated symptoms, Rotstein S; Lax I; Svane G, Int J Radiat Oncol Biol Phys 1990; **18:** 173

lung density changes observed *in vivo* in rat lungs after irradiation: variations among and within individual lungs, El-Khatib E; Lehnert S, Int J Radiat Oncol Biol Phys 1989; **16:** 745

pharmacological alteration of the lung vascular response to radiation, Graham MM; Evans ML; Dahlen DD; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 329

procollagen-III in serum, plasminogen activation and fibronectin in bronchoalveolar lavage fluid during and following irradiation of human lung, Maasilta P; Salonen E-M; Vaheri A; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 973

prospective evaluation of pulmonary function in cancer patients treated with total body irradiation, high-dose melphalan, and autologous hematopoietic stem cell transplantation, Gandola L; Siena S; Bregni M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 743

prospective study of long-term pulmonary manifestations of mantle irradiation, Shapiro SJ; Shapiro SD; Mill WB; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 707

radiation-induced lung injury: a hypersensitivity pneumonitis?, (ab), Gibson PG; Bryant DH; Morgan GW; et al, Radiology 1989; **170:** 901

radiation pneumonitis in breast cancer patients treated with conservative surgery and radiation therapy, Lingos TI; Recht A; Vicini F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 355

response of the pig lung to fractionated doses of x rays, Rezvani M; Hopewell JW, Br J Radiol 1990; **63:** 41

results of a prospective study evaluating the effects of mantle irradiation on pulmonary function, Smith LM; Mendenhall NP; Cicale MJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 79

serum markers for prediction of pulmonary radiation syndromes. part I: surfactant apoprotein, Rubin P; McDonald S; Maasilta P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 553

thoracic irradiation in Hodgkin's disease: disease control and long-term complications, Tarbell NJ; Thompson L; Mauch P, Int J Radiat Oncol Biol Phys 1990; **18:** 275

use of CT densitometry in the assessment of radiation-induced damage to the rat lung: a comparison with other endpoints, Lehnert S; El-Khatib E, Int J Radiat Oncol Biol Phys 1989; **16:** 117

use of CT densitometry to predict lung toxicity in bone marrow transplant patients, El-Khatib EE; Freeman CR; Rybka WB; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 85

Lung, fibrosis

See also Pneumonitis, usual interstitial

acquired tracheomegaly in adults as a complication of diffuse pulmonary fibrosis, Woodring JH; Barrett PA; Rehm SR; et al, AJR 1989; **152:** 743

bronchopulmonary dysplasia: radiographic appearance in middle childhood, Griscom NT; Wheeler WB; Sweezey NB; Kim YC; Lindsey JC; Wohl MEB, Radiology 1989; **171:** 811

captopril reduces collagen and mast cell accumulation in irradiated rat lung, Ward WF; Molteni A; Ts'ao C-H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1405

chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111

chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C, Radiology 1991; **179:** 123

clinical deterioration in patients with idiopathic pulmonary fibrosis: causes and assessment, (ab), Panos RJ; Mortenson RL; Niccoli A; et al, Radiology 1990; **177:** 291

differentiation of radiation fibrosis from recurrent neoplasia: a role for ^{31}P MR spectroscopy?, Charles HC; Baker ME; Hathorn JW; et al, AJR 1990; **154:** 67

gadolinium-DTPA enhancements of lung radiation fibrosis, Werthmuller WC; Schiebler ML; Whaley RA; et al, JCAT 1989; **13:** 946

high-resolution computed tomography in pulmonary cystic fibrosis, Hansell DM; Strickland B, Br J Radiol 1989; **62:** 1

idiopathic pulmonary fibrosis: a rare cause of scintigraphic ventilation-perfusion mismatch, Pochis WT; Krasnow AZ; Collier BD; et al, Clin Nucl Med 1990; **15:** 321

pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22

radiographic type p pneumoconiosis: high-resolution CT, Akira M; Higashihara T; Yokoyama K; Yamamoto S; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1989; **171:** 117

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; **174:** 775

Lung, fluid

adult respiratory distress syndrome from overdose of tricyclic antidepressants, Varnell RM; Godwin JD; Richardson ML; Vincent JM, Radiology 1989; **170:** 667

barium sulfate absorption and sensitivity, Ahmed A; Hamza HM, Radiology 1989; **172:** 213

barium sulfate absorption and sensitivity, Ramani SK; Ismael AH, Radiology 1990; **174:** 895

barium sulfate absorption and sensitivity: reply, Berdon WE, Radiology 1989; **172:** 213

body fluid volume status in hemodialysis patients: the value of the chest radiograph, Don C; Burns KD; Levine DZ, J Canad Assoc Radiol 1990; **41:** 123

chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH, Radiology 1989; **172:** 459

differentiation of capillary leak and hydrostatic pulmonary edema with a macromolecular MR imaging contrast agent, Berthezene Y; Vexler V; Jerome H; Sievers R; Moseley ME; Brasch RC, Radiology 1991; **181:** 773

discordant radioaerosol/radioperfusion in drug-induced maternal pulmonary edema, Sylvester J; Fuentes RT; Holmes RA, Clin Nucl Med 1990; **14:** 686

high-altitude pulmonary edema: findings at high-altitude chest radiography and physical examination, Vock P; Fretz C; Franciolli M; Bärtsch P, Radiology 1989; **170:** 661

hydrostatic versus increased permeability pulmonary edema, Milne ENC, Radiology 1989; **170:** 891

hydrostatic versus increased permeability pulmonary edema: reply, Aberle DR; Wiener-Kronish JP; Matthay MA; Webb WR, Radiology 1989; **170:** 892

intact epithelial barrier function is critical for the resolution of alveolar edema in humans, (ab), Matthay MA; Wiener-Kronish JP, Radiology 1991; **179:** 884

intralobular distribution of oleic acid-induced pulmonary edema in the pig: evaluation by high-resolution CT, Murata K; Herman PG; Khan A; et al, Invest Radiol 1989; **24:** 647

iodinated contrast media effects on extravascular lung water, central blood volume, and cardiac output in humans, Böck JC; Barker BC; Federle MP; et al, Invest Radiol 1990; **25:** 938

laryngospasm-induced pulmonary edema, Szucs RA; Floyd HL, Radiology 1989; **170:** 446

limited correlation of left ventricular end-diastolic pressure with radiographic assessment of pulmonary hemodynamics, Herman PG; Khan A; Kallman CE; Rojas KA; Carmody DP; Bodenheimer MM, Radiology 1990; **174:** 721

magnetic resonance imaging of hydrostatic pulmonary edema in isolated dog lungs: comparison with computed tomography, Mayo JR; Müller NL; Forster BB; et al, J Canad Assoc Radiol 1990; **41:** 281

model simulations of pulmonary edema: phantom studies with computed tomography, Wegenius G, Invest Radiol 1991; **26:** 149

neurogenic pulmonary edema: a review of the literature and a perspective, Ell SR, Invest Radiol 1991; **26:** 499

noncardiogenic pulmonary edema resulting from intravascular administration of contrast material, Bouachour G; Varache N; Szapiro N; et al, AJR 1991; **157:** 255

pathogenesis of pulmonary edema during interleukin-2 therapy: correlation of chest radiographic and clinical findings in 54 patients, Saxon RR; Klein JS; Bar MH; et al, AJR 1991; **156:** 281

pulmonary edema and adult respiratory distress syndrome, Morgan PW; Goodman LR, Radiol Clin North Am 1991; **29:** 943

pulmonary edema as a complication of interleukin-2 therapy, Conant EF; Fox KR; Miller WT, AJR 1989; **152:** 749

pulmonary edema associated with tocolytic therapy, (ab), Pisani RJ; Rosenow EC III, Radiology 1990; **174:** 290

pulmonary edema due to ingestion of organophosphate insecticide, Li C; Miller WT; Jiang J, AJR 1989; **152:** 265

pulmonary edema in cocaine smokers, Hoffman CK; Goodman PC, Radiology 1989; **172:** 463

pulmonary edema localized in the right upper lobe accompanying mitral regurgitation, Gurney JW; Goodman LR, Radiology 1989; **171:** 397

radiographic differentiation of pulmonary oedema, Rocker GM; Rose DH; Manhire AR; et al, Br J Radiol 1989; **62:** 582

regional lung water measurements with PET: accuracy, reproducibility, and linearity, Velazquez M; Haller J; Amundsen T; et al, J Nucl Med 1991; **32:** 719

reperfusion pulmonary edema after thrombolytic therapy of massive pulmonary embolism, (ab), Ward BJ; Pearse DB, Radiology 1989; **172:** 291

transient subpleural curvilinear shadow caused by pulmonary congestion, Arai K; Takashima T; Matsui O; et al, JCAT 1990; **14:** 87

vascular leak syndrome associated with interleukin-2: chest radiographic manifestations, Mann H; Ward JH; Samlowski WE, Radiology 1990; **176:** 191

Lung, function

chest radiograph scoring system in adult cystic fibrosis: correlation with pulmonary function, O'Laoide RM; Fahy J; Coffey M; et al, Clin Radiol 1991; **43:** 308

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

lobar emphysema: long-term imaging follow-up, Kennedy CD; Habibi P; Matthew DJ; Gordon I, Radiology 1991; **180:** 189

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

noninvasive measurement of lung carbon-11-serotonin extraction in man, Coates G; Firnau G; Meyer G-J; et al, J Nucl Med 1991; **32:** 729

prediction of postoperative loss of lung function in patients with malignant lung mass: quantitative regional ventilation-perfusion scanning, Ryo UY, Radiol Clin North Am 1990; **28:** 657

pulmonary sarcoidosis: what are we learning from CT?, Austin JHM, Radiology 1989; **171:** 603

sarcoidosis: correlation of pulmonary parenchymal pattern at CT with results of pulmonary function tests, Bergin CJ; Bell DY; Coblentz CL; Chiles C; Gamsu G; MacIntyre NR; Coleman RE; Putman CE, Radiology 1989; **171:** 619

subclinical pulmonary function defects following autologous and allogeneic bone marrow transplantation: relationship to total body irradiation and graft-versus-host disease, Tait RC; Burnett AK; Robertson AG; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1219

Lung, granuloma

clinical implications of the histopathologic diagnosis of pulmonary lymphomatoid granulomatosis, (ab), Pisani RJ; DeRemee RA, Radiology 1990; **176:** 887

inflammatory pseudotumors of the lung: progression from organizing pneumonia to fibrous histiocytoma or to plasma cell granuloma in 32 cases, (ab), Matsubara O; Tan-Liu NS; Kenney RM; et al, Radiology 1989; **170:** 288

pulmonary angiitis and granulomatosis, Staples CA, Radiol Clin North Am 1991; **29:** 973

pulmonary hyalinizing granuloma: a rare cause of a solitary pulmonary nodule, Eschelman DJ; Blickman JG; Lazar HL; et al, J Thorac Imag 1991; **6-2:** 54

Lung, hemoptysis

See Lung, hemorrhage

Lung, hemorrhage

anomalous origin of bronchial arteries: potential pitfall of embolotherapy for hemoptysis, McPherson S; Routh WD; Nath H; Keller FS, JVIR 1990; **1:** 86

aortobronchial fistula as a complication of surgery for correction of congenital aortic anomalies, Garniek A; Morag B; Schmahmann S; Rubinstein ZJ, Radiology 1990; **175:** 347

bronchial artery embolization to control hemoptysis in cystic fibrosis, Cohen AM; Doershuk CF; Stern RC, Radiology 1990; **175:** 401

bronchoscopy to evaluate hemoptysis in older men with nonsuspicious chest roentgenograms, (ab), Lederle FA; Nichol KL; Parenti CM, Radiology 1989; **173:** 883

case of the month: haemoptysis in a laundry worker, Jackson JE; Allison DJ, Br J Radiol 1989; **62:** 379

diffuse pulmonary alveolar hemorrhage after bone marrow transplantation: radiographic findings in 39 patients, Witte RJ; Gurney JW; Robbins RA; et al, AJR 1991; **157:** 461

diffuse pulmonary hemorrhage, Müller NL; Miller RR, Radiol Clin North Am 1991; **29:** 965

hemoptysis: CT-bronchoscopic correlations in 58 cases, Naidich DP; Funt S; Ettenger NA; Arranda C, Radiology 1990; **177:** 357

life-threatening hemorrhage due to percutaneous transthoracic intervention: importance of the internal mammary artery, Glassberg RM; Sussman SK, AJR 1990; **154:** 47

pulmonary hemorrhage in patients with systemic lupus erythematosus, Onomura K; Nakata H; Tanaka Y; et al, J Thorac Imag 1991; **6-2:** 57

pulmonary infection after cardiac transplantation: clinical and radiologic correlations, Austin JHM; Schulman LL; Mastrobattista JD, Radiology 1989; **172:** 259

severe hemoptysis associated with pulmonary aspergilloma: percutaneous intracavitary treatment, (ab), Shapiro MJ; Albelda SM; Mayock RL; et al, Radiology 1989; **172:** 291

subclavian artery aneurysm presenting with recurrent haemoptysis—a case report, Kulpati DDS; Gupta R; Kapoor R; et al, Australas Radiol 1990; **34:** 175

value of fiberoptic bronchoscopy and angiography for diagnosis of the bleeding site in hemoptysis, (ab), Saumench J; Escarrabill J; Padró L; et al, Radiology 1990; **174:** 899

Lung, hernia

lung hernia: radiographic features, Bhalla M; Leitman BS; Forcade C; et al, AJR 1990; **154:** 51

Lung, infarction

CT of inflation-fixed lungs: wedge-shaped density and vascular sign in the diagnosis of infarction, Ren H; Kuhlman JE; Hruban RH; et al, JCAT 1990; **14:** 82

magnetic resonance imaging in the diagnosis of pulmonary infarction, (ab), Kessler R; Fraisse P; Krause D; et al, Radiology 1991; **180:** 588

pulmonary infarction: CT appearance with pathologic correlation, Balakrishnan J; Meziane MA; Siegelman SS; et al, JCAT 1989; **13:** 941

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

Lung, infection

aerosolized pentamidine: effect on diagnosis and presentation of *Pneumocystis carinii* pneumonia, (ab), Jules-Elysee KM; Stover DE; Zaman MB; et al, Radiology 1990; **177:** 596

agricultural disorders of the lung, Gurney JW; Unger JM; Dobry CA; Mitby JK; Von Essen SG, Radiographics 1991; **11:** 625

apical *Pneumocystis carinii* pneumonia after inhaled pentamidine prophylaxis, Conces DJ Jr; Kraft JL; Vix VA; et al, AJR 1989; **152:** 1193

atypical manifestations of *Pneumocystis carini* pneumonia in the acquired immune deficiency syndrome: review of 123 lung biopsies from 76 patients with emphasis on cysts, vascular invasion, vasculitis, and granulomas, (ab), Travis WD; Pittaluga S; Lipschik GY; et al, Radiology 1990; **177:** 892

bronchiolitis obliterans organizing pneumonia: CT features in 14 patients, Müller NL; Staples CA; Miller RR, AJR 1990; **154:** 983

calcified hilar and mediastinal lymph nodes in an AIDS patient with *Pneumocystis carinii* infection, Groskin SA; Massi AF; Randall PA, Radiology 1990; **175:** 345

case of the month: an unusual case of pneumonia, Chaudhuri R, Br J Radiol 1991; **64:** 175

case of the season, Pantongrag-Brown L, Semin Roentgenol 1991; **26:** 101

case report: bilateral upper lobe *Pneumocystis carinii* pneumonia in a patient receiving aerosolized pentamidine, Sanders TG; Northup HM; Wilf LH, Clin Radiol 1991; **43:** 356

case report: Sandblaster's lung with mycobacterial infection, (ab), Owens MW; Kinasewitz GT; Gonzalez E, Radiology 1989; **170:** 901

case report: sandblaster's lung with mycobacterial infection, (ab), Owens MW; Kinasewitz GT; Gonzalez E, Radiology 1989; **173:** 883

chronic eosinophilic pneumonia: CT findings in six cases, Mayo JR; Müller NL; Road J; et al, AJR 1989; **153:** 727

clinical-radiologic-pathologic conference: a patient with interstitial and airspace disease, Guerry-Force ML; Müller NL; Paré PD; et al, J Canad Assoc Radiol 1989; **40:** 104

community-acquired pneumonia: the clinical dilemma, Bowton DL; Bass DA, J Thorac Imag 1991; **6-3:** 1

cryptococcal pulmonary infection in patients with AIDS: radiographic appearance, Miller WT Jr; Edelman JM; Miller WT, Radiology 1990; **175:** 725

CT features of thoracic mycobacterial disease, Kuhlman JE; Deutsch JH; Fishman EK; Siegelman SS, Radiographics 1990; **10:** 413

CT findings in fungal opportunistic pneumonias: body and brain involvement, Potente G, Comput Med Imag Graph 1989; **13:** 423

cystic pulmonary lesions in patients with AIDS, Panicek DM, Radiology 1989; **173:** 12

cytomegalovirus pneumonia: computed tomography findings, Aafedt BC; Halvorsen RA Jr; Tylén U; et al, J Canad Assoc Radiol 1990; **41:** 276

detection of thoracic infections by nuclear medicine techniques in the acquired immunodeficiency syndrome, Kramer EL; Sanger JJ, Radiol Clin North Am 1989; **27:** 1067

diagnosis of pulmonary disease in human immunodeficiency virus infection: role of transbronchial biopsy and bronchoalveolar lavage, (ab), Griffiths MH; Kocjan G; Miller RF; et al, Radiology 1990; **174:** 586

diagnostic implicatons of Ga-67 chest-scan patterns in human immunodeficiency virus–seropositive patients, Kramer EL; Sanger JJ; Garay SM; Grossman RJ; Tiu S; Banner H, Radiology 1989; **170:** 671

diagnostic value of nonfluoroscopic percutaneous lung needle aspiration in patients with pneumonia, (ab), Torres A; Jiménez P; Puig de la Bellacasa J; et al, Radiology 1991; **179:** 293

diffuse lung uptake of Tc-99m MDP associated with pneumocystis carinii pneumonia in a patient with neuroblastoma, Batte WG Jr; Yeh SDJ; Larson SM, Clin Nucl Med 1991; **16:** 321

diseases of the chest in AIDS: CT diagnosis, Kuhlman JE; Fishman EK; Hruban RH; Knowles MC; Zerhouni EA; Siegelman SS, Radiographics 1989; **9:** 827

extrapulmonary *Pneumocystic carinii* infections, (ab), Telzak EE; Cote RJ; Gold JWM; et al, Radiology 1991; **178:** 296

extrapulmonary pneumocystosis: the first 50 cases, (ab), Raviglione MC, Radiology 1991; **180:** 888

focal pulmonary lesions in patients with AIDS: percutaneous transthoracic needle biopsy, Scott WW Jr; Kuhlman JE, Radiology 1991; **180:** 419

fungal pulmonary infections after bone marrow transplantation: evaluation with radiography and CT, Mori M; Galvin JR; Barloon TJ; Gingrich RD; Stanford W, Radiology 1991; **178:** 721

high resolution computed tomography of *Pneumocystis carinii* pneumonia in AIDS, Moskovic E; Miller R; Pearson M, Clin Radiol 1990; **42:** 239

hilar enlargement in respiratory syncytial virus pneumonia, Odita JC; Nwankwo M; Aghahowa JE, Eur J Radiol 1989; **9:** 155

HIV-associated lymphocytic interstitial pneumonia: radiologic manifestations and pathologic correlation, Oldham SAA; Castillo M; Jacobson FL; Mones JM; Saldana MJ, Radiology 1989; **170:** 83

idiopathic bronchiolitis obliterans organizing pneumonia: definition of characteristic clinical profiles in a series of 16 patients, (ab), Cordier J-F; Loire R; Brune J, Radiology 1990; **175:** 883

imaging of pediatric mediastinal histoplasmosis, Kirchner SG; Hernanz-Schulman M; Stein SM; Wright PF; Heller RM, Radiographics 1991; **11:** 365

inflammatory pseudotumors of the lung: progression from organizing pneumonia to fibrous histiocytoma or to plasma cell granuloma in 32 cases, (ab), Matsubara O; Tan-Liu NS; Kenney RM; et al, Radiology 1989; **170:** 288

inflation-fixed lungs: pathologic-radiologic (CT) correlation of lung transplantation, Hruban RH; Ren H; Kuhlman JE; et al, JCAT 1990; **14:** 329

invasive pulmonary aspergillosis: evaluation with MR imaging, Herold CJ; Kramer J; Sertl K; Kalhs P; Mallek R; Imhof H; Tscholakoff D, Radiology 1989; **173:** 717

linear opacities as a feature of pneumocystis pneumonia, Page JE; Wilson AG, Br J Radiol 1990; **63:** 597

lipid aspiration pneumonia due to gastroesophageal reflux: a complication of nasogastric lipid feedings, Wolfson BJ; Allen JL; Panitch HB; et al, Pediatr Radiol 1989; **19:** 545

management of post-tuberculous complex aspergilloma of the lung: role of surgical resection, (ab), Al-Majed SA; Ashour M; El-Kassimi FA; et al, Radiology 1991; **180:** 885

mycoplasmal pneumonias in childhood: roentgen features, differential diagnosis and review of literature, Gückel C; Benz-Bohm G; Widemann B, Pediatr Radiol 1989; **19:** 499

Nocardia infection in patients with liver transplants or chronic liver disease: radiologic findings, Raby N; Forbes G; Williams R, Radiology 1990; **174:** 713

pediatric pulmonary disease: assessment with high-resolution ultrafast CT, Lynch DA; Brasch RC; Hardy KA; Webb WR, Radiology 1990; **176:** 243

pneumocystis carinii penumonia in an AIDS patient: unusual manifestation as multiple cavitary and noncavitary peripheral pulmonary modules and spontaneous pneumothorax, Shin MS; Liendo C; Ho K-J, Clin Imag 1989; **13:** 225

Pneumocystis carinii pneumonia associated with profound lymphopenia and abnormal T-lymphocyte subset ratios during treatment for early-stage breast carcinoma, (ab), Brunvand MW; Collins C; Livingston RB; et al, Radiology 1991; **181:** 292

Pneumocystis carinii pneumonia: CT and HRCT observations, Bergin CJ; Wirth RL; Berry GJ; et al, JCAT 1990; **14:** 756

Pneumocystis carinii pneumonia: effect of corticosteroid treatment on radiographic appearance in a patient with AIDS, Groskin SA; Stadnick ME; DuPont PG, Radiology 1991; **180:** 423

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

pneumocystis pneumonia: from bench to clinic, (ab), Masur H; Lane HC; Kovacs JA; et al, Radiology 1990; **175:** 883

pneumonia, diagnosed on the abdominal radiograph, as a cause for acute abdomen in children, Spencer PAS, Br J Radiol 1990; **63:** 306

pneumonia in children, Condon VR, J Thorac Imag 1991; **6-3:** 31

pneumonia in the elderly, Ely EW; Haponik EF, J Thorac Imag 1991; **6-3:** 45

postpneumocystis aspergilloma in AIDS: CT features, Torrents C; Alvarez-Castells A; Vicente de Vera P; et al, JCAT 1991; **15:** 304

premature bullous pulmonary damage in AIDS: CT diagnosis, Kuhlman JE; Knowles MC; Fishman EK; Siegelman SS, Radiology 1989; **173:** 23

pulmonary blastomycosis: findings on chest radiographs in 63 patients, Sheflin JR; Campbell JA; Thompson GP, AJR 1990; **154:** 1177

pulmonary calcification caused by *Pneumocystis carinii* pneumonia: a clinicopathological study of 13 cases in acquired immune deficiency syndrome patients, (ab), Lee MM; Schinella RA, Radiology 1991; **180:** 885

pulmonary cystic disease: comparison of *P*neumocystis carinii pneumatoceles and bullous emphysema due to intravenous drug abuse, Gurney JW; Bates FT, Radiology 1989; **173:** 27

pulmonary cysts associated with *Pneumocystis carinii* pneumonia in patients with AIDS, Sandhu JS; Goodman PC, Radiology 1989; **173:** 33

pulmonary disease caused by nontuberculous mycobacteria, Woodring JH; Vandiviere HM, J Thorac Imag 1990; **5-2:** 64

pulmonary infections in the immunocompromised host, McLoud TC, Radiol Clin North Am 1989; **27:** 1059

pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA, Radiology 1991; **180:** 409

radiographic distribution of *Pneumocystis carinii* pneumonia in patients with AIDS treated with prophylactic inhaled pentamidine, Chaffey MH; Klein JS; Gamsu G; Blanc P; Golden JA, Radiology 1990; **175:** 715

radiological appearances of cytomegalovirus infections, Olliff JFC; Williams MP, Clin Radiol 1989; **40:** 463

radiological diagnosis of pneumonia in the adult: a commentary, Heitzman ER, Semin Roentgenol 1989; **24:** 212

radiologic distinction of pyrogenic pulmonary infection from *Pneumocystis carinii* pneumonia in AIDS patients, Amorosa JK; Nahass RG; Nosher JL; Gocke DJ, Radiology 1990; **175:** 721

relation between resource use and in-hospital mortality for patients with acquired immunodeficiency syndrome-related *Pneumocystis carinii* pneumonia, (ab), Bennett CL; Gertler P; Guze PA; et al, Radiology 1990; **177:** 892

respiratory syncitial virus infection in immunocompromised adults, (ab), Englund JA; Sullivan CJ; Jordan C; et al, Radiology 1989; **170:** 901

reversible pulmonary uptake and hypertrophic pulmonary osteoarthropathic distribution of technetium-99m methylene diphosphonate in a case of *Pneumocystis carinii* pneumonia, Vaquer RA; Dunn EK; Bhat S; et al, J Nucl Med 1989; **30:** 1563

risk factors for nosocomial pneumonia after coronary artery bypass graft operations, (ab), Gaynes R; Bizek B; Mowry-Hanley J; et al, Radiology 1991; **181:** 611

scintigraphic pattern of pneumothorax complicating pneumocystis carinii *Pneumonia* in patients with AIDS, Finestone H; Goldfarb CR; Ongseng F; et al, Clin Nucl Med 1990; **15:** 566

septic pulmonary emboli: CT-radiographic correlation, Huang R-M; Naidich DP; Lubat E; et al, AJR 1989; **153:** 41

surgical management of thoracic empyema, Wallenhaupt SL, J Thorac Imag 1991; **6-3:** 80

thin-walled cavities, cysts, and pneumothorax in *Pneumocystis carinii* pneumonia: further observations with histopathologic correlation, Feuerstein IM; Archer A; Pluda JM; Francis PS; Falloon J; Masur H; Pass HI; Travis WD, Radiology 1990; **174:** 697

transthoracic aspiration needle biopsy: value in the diagnosis of pulmonary infections, Conces DJ Jr; Clark SA; Tarver RD; et al, AJR 1989; **152:** 31

unexpectedly high incidence of *Pneumocystis carinii* infection after lung-heart transplantation: implications for lung defense and allograft survival, (ab), Gryzan S; Paradis IL; Zeevi A; et al, Radiology 1989; **171:** 586

visceral and nodal calcification in patients and AIDS-related *Pneumocystis carinii* infection, Radin DR; Baker EL; Klatt EC; et al, AJR 1990; **154:** 27

widespread visceral calcifications in disseminated *Pneumocystis carinii* infection: CT characteristics, Feuerstein IM; Francis PS; Raffeld M; et al, JCAT 1990; **14:** 149

Lung, injuries

chest injury in children with blunt abdominal trauma: evaluation with CT, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **171:** 815

false positive V/Q imaging in pulmonary contusion, Housman JF; Fajman WA, Clin Nucl Med 1989; **14:** 577

inadvertent tracheobronchial placement of feeding tubes, McLean GK; Meranze SG; Burke DR, Radiology 1989; **170:** 278

lung damage from exposure to the fields of an electrohydraulic lithotripter, Hartman C; Child SZ; Mayer R; et al, Ultrasound Med Biol 1990; **16:** 675

pulmonary contusion: CT vs plain radiograms, Schild HH; Strunk H; Weber W; et al, JCAT 1989; **13:** 417

traumatic lung cyst, Ayuso JR; Ares J; Vilana R; et al, J Canad Assoc Radiol 1989; **40:** 174

Lung, lavage

tumour markers in broncho-alveolar lavage, Alvarez-Sala R; Blasco R; Callol L; et al, Acta Oncol 1989; **28:** 290

Lung, MR

computed tomography and magnetic resonance imaging in the diagnosis of pulmonary thromboembolic disease, Shah HR; Buckner CB; Purnell GL; et al, J Thorac Imag 1989; **4-4:** 58

diagnosis of pulmonary hemosiderosis by MR imaging, Rubin GD; Edwards DK III; Reicher MA; et al, AJR 1989; **152:** 573

differentiation of bronchogenic carcinoma from postobstructive pneumonitis by magnetic resonance imaging: histopathologic correlation, Bourgouin PM; McLoud TC; Fitzgibbon JF; et al, J Thorac Imag 1991; **6-2:** 22

differentiation of capillary leak and hydrostatic pulmonary edema with a macromolecular MR imaging contrast agent, Berthezene Y; Vexler V; Jerome H; Sievers R; Moseley ME; Brasch RC, Radiology 1991; **181:** 773

gadolinium-DTPA enhancements of lung radiation fibrosis, Werthmuller WC; Schiebler ML; Whaley RA; et al, JCAT 1989; **13:** 946

invasive pulmonary aspergillosis: evaluation with MR imaging, Herold CJ; Kramer J; Sertl K; Kalhs P; Mallek R; Imhof H; Tscholakoff D, Radiology 1989; **173:** 717

in vivo NMR imaging determination of multiexponential Hahn T_2 of normal lung, Shioya S; Christman R; Ailion DC, Magn Res Med 1990; **16:** 49

lung parenchyma: magnetic susceptibility in MR imaging, Bergin CJ; Glover GH; Pauly JM, Radiology 1991; **180:** 845

lung parenchyma: projection reconstruction MR imaging, Bergin CJ; Pauly JM; Macovski A, Radiology 1991; **179:** 777

magnetic resonance imaging and computed tomography findings in a patient with lymphomatoid granulomatosis, Mendelson DS; Apter S; Kirschner PA; et al, Clin Imag 1989; **13:** 130

magnetic resonance imaging in the diagnosis of pulmonary infarction, (ab), Kessler R; Fraisse P; Krause D; et al, Radiology 1991; **180:** 588

magnetic resonance imaging of hydrostatic pulmonary edema in isolated dog lungs: comparison with computed tomography, Mayo JR; Müller NL; Forster BB; et al, J Canad Assoc Radiol 1990; **41:** 281

MR appearance of the normal chest after pneumonectomy, Laissy J-P; Rebibo G; Iba-Zizen M-T; et al, JCAT 1989; **13:** 248

MR imaging of pulmonary parenchyma: comparison with CT in evaluating cadaveric lung specimens, Naidich DP; Weinreb JC; Schinella R, JCAT 1990; **14:** 595

pulmonary arteriovenous malformations: diagnosis by gradient-refocused MR imaging, Dinsmore BJ; Gefter WB; Hatabu H; et al, JCAT 1990; **14:** 918

pulmonary atelectasis: signal patterns with MR imaging, Herold CJ; Kuhlman JE; Zerhouni EA, Radiology 1991; **178:** 715

pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; **176:** 761

pulmonary vasculature: high-resolution MR imaging. work in progress, Hatabu H; Gefter WB; Kressel HY; Axel L; Lenkinski RE, Radiology 1989; **171:** 391

regional effects of repetition time on NMR quantitation of water in normal and edematous lungs, Cutillo AG; Morris AH; Ganesan K; et al, Magn Res Med 1989; **12:** 137

right and left lung perfusion: in vitro and in vivo validation with oblique-angle, velocity-encoded cine MR imaging, Caputo GR; Kondo C; Masui T; Geraci SJ; Foster E; O'Sullivan MM; Higgins CB, Radiology 1991; **180:** 693

role of magnetic resonance imaging in cystic fibrosis, Kinsella D; Hamilton A; Goddard P; et al, Clin Radiol 1991; **44:** 23

rounded atelectasis of the lung: MR appearance, Verschakelen JA; Demaerel P; Coolen J; et al, AJR 1989; **152:** 965

T_2 of endotoxin lung injury with and without methylprednisolone treatment, Shioya S; Haida M; Tsuji C; et al, Magn Res Med 1990; **15:** 201

Lung, neoplasms

See Lung neoplasms

Lung, nodule

analysis of the solitary pulmonary nodule by means of digital techniques, Chiles C; Sherrier RH, J Thorac Imag 1990; **5-1:** 55

assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Remy-Jardin M; Remy J; Deffontaines C; Duhamel A, Radiology 1991; **181:** 157

cavitating pulmonary nodules in histiocytosis-X: high resolution CT demonstration, Taylor DB; Joske D; Anderson J; et al, Australas Radiol 1990; **34:** 253

chest radiograph after resection of pulmonary nodules with a neodymium-YAG laser, Holbert BL; Holbert JM; Libshitz HI, J Thorac Imag 1989; **4-2:** 82

computed tomography-guided minithoracotomy for the resection of small peripheral pulmonary nodules, (ab), Daly BDT; Faling LJ; Diehl JT; et al, Radiology 1991; **181:** 611

computerized tomographic densitometry of the solitary pulmonary nodule using a nodule phantom, (ab), Jones FA; Wiedemann HP; O'Donovan PB; et al, Radiology 1990; **175:** 588

computer-simulated lung nodules in digital chest radiographs for detection studies, Yocky DA; Seeley GW; Ovitt TW; et al, Invest Radiol 1990; **25:** 902

correlation with detection of solitary pulmonary nodules, Bass JC; Chiles C, Invest Radiol 1990; **25:** 994

CT evaluation of solitary pulmonary nodules: value of 185-H reference phantom, Swensen SJ; Harms GF; Morin RL; et al, AJR 1991; **156:** 925

current evaluation of the solitary pulmonary nodule, Caskey CI; Templeton PA; Zerhouni EA, Radiol Clin North Am 1990; **28:** 511

diagnosis of pulmonary nodules: comparison between standard and inverse digitized images and conventional chest radiographs, Sheline ME; Brikman I; Epstein DM; et al, AJR 1989; **152:** 261

fungal pulmonary infections after bone marrow transplantation: evaluation with radiography and CT, Mori M; Galvin JR; Barloon TJ; Gingrich RD; Stanford W, Radiology 1991; **178:** 721

impact of postprocessing on the detection of simulated pulmonary nodules with digital radiography, Oestmann JW; Rubens JR; Bourgouin PM; et al, Invest Radiol 1989; **24:** 467

nodular pulmonary opacities in patients with rheumatoid arthritis: a diagnostic dilemma, (ab), Jolles H; Mosley PL; Peterson MW, Radiology 1990; **175:** 588

offset electrocardiographic electrode simulating a pulmonary nodule on radiographs, Edwards ME; Harris RD; Spiegel PK, Radiology 1989; **172:** 281

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

prevalence of air bronchograms in small peripheral carcinomas of the lung on thin-section CT: comparison with benign tumors, Kuriyama K; Tateishi R; Doi O; et al, AJR 1991; **156:** 921

pulmonary hyalinizing granuloma: a rare cause of a solitary pulmonary nodule, Eschelman DJ; Blickman JG; Lazar HL; et al, J Thorac Imag 1991; **6-2:** 54

pulmonary nodule: evaluation with spiral volumetric CT, Costello P; Anderson W; Blume D, Radiology 1991; **179:** 875

pulmonary nodules: computer-aided detection in digital chest images, Giger ML; Doi K; MacMahon H; Metz CE; Yin F-F, Radiographics 1990; **10:** 41

pulmonary nodules secondary to total parenteral alimentation, Landry BA; Melhem RE, Pediatr Radiol 1989; **19:** 456

radiologic evaluation of the solitary pulmonary nodule, Webb WR, AJR 1990; **154:** 701

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; **174:** 775

search and nonsearch protocols for radiographic consultation, Swensson RG; Theodore GH, Radiology 1990; **177:** 851

searching for lung nodules: visual dwell indicates locations of false-positive and false-negative decisions, Kundel HL; Nodine CF; Krupinski EA, Invest Radiol 1989; **24:** 472

"single-exposure" dual energy digital radiography in the detection of pulmonary nodules and calcifications, Oestmann JW; Greene R; Rhea JT; et al, Invest Radiol 1989; **24:** 517

small pulmonary nodules: dynamic CT with a single-breath technique, Shaffer K; Pugatch RD, Radiology 1989; **173:** 567

solitary pulmonary nodule, Caskey CI; Zerhouni EA, Semin Roentgenol 1990; **25:** 85

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Miller RR; Müller NL, Radiology 1991; **179:** 469

solitary pulmonary nodules: comparison of classification with standard, thin-section, and reference phantom CT, Khan A; Herman PG; Vorwerk P; Stevens P; Rojas KA; Graver M, Radiology 1991; **179:** 477

subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J, Radiology 1990; **177:** 133

usefulness of the blood patch technique after transthoracic needle aspiration biopsy, Herman SJ; Weisbrod GL, Radiology 1990; **176:** 395

Lung, perfusion

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

CT findings in Swyer-James syndrome, Marti-Bonmati L; Perales FR; Catala F; Mata JM; Calonge E, Radiology 1989; **172:** 477

effect of patient position on interpretation of lung images complicated by chest radiograph opacities, Solomon RW; Palestro CJ; Kim CK; et al, Clin Nucl Med 1989; **14:** 261

effect of PEEP on regional ventilation and perfusion in the mechanically ventilated preterm lamb, Schlessel JS; Susskind H; Joel DD; et al, J Nucl Med 1989; **30:** 1342

incidence and etiology of the ventilation/perfusion reverse mismatch defect, Carvalho P; Lavender JP, Clin Nucl Med 1989; **14:** 571

lobar emphysema: long-term imaging follow-up, Kennedy CD; Habibi T; Matthew DJ; Gordon I, Radiology 1991; **180:** 189

patterns of pulmonary perfusion scans in normal subjects. IV. the prevalence of abnormal scans in smokers 30 to 49 years of age, (ab), Fedullo PF; Kapitan KS; Brewer NS; et al, Radiology 1989; **173:** 290

perfusion lung scan in patients operated for transposition of the great arteries, Houzard C; Andre M; Guilhen S; et al, Clin Nucl Med 1989; **14:** 268

pulmonary embolism: segmental appearance of perfusion lung scan defects correlates with successful response to thrombolytic therapy, Parker JA; Nagel JS; Drum DE; Tumeh SS; Goldhaber SZ, Radiology 1990; **174:** 483

right and left lung perfusion: in vitro and in vivo validation with oblique-angle, velocity-encoded cine MR imaging, Caputo GR; Kondo C; Masui T; Geraci SJ; Foster E; O'Sullivan MM; Higgins CB, Radiology 1991; **180:** 693

single perfusion defect and pulmonary embolism: angiographic correlation, Catania TA; Caride VJ, J Nucl Med 1990; **31:** 296

unusual cause of entire lung ventilation-perfusion mismatch, Bergh JR; Phillips W; Blumhardt R, Clin Nucl Med 1989; **14:** 464

ventilation/perfusion mismatch caused by positive pressure ventilatory support, Kim CK; Heyman S, J Nucl Med 1989; **30:** 1268

zones of increased perfusion (hot spots) on perfusion lung scans: correlation with pulmonary arteriograms, Meignan M; Palmer EL; Waltman AC; Strauss HW, Radiology 1989; **173:** 47

zones of increased perfusion (hot spots) on perfusion lung scans, Massoud TF, Radiology 1990; **175:** 286

zones of increased perfusion (hot spots) on perfusion lung scans: reply, Strauss HW, Radiology 1990; **175:** 286

Lung, radiography

analysis of the solitary pulmonary nodule by means of digital techniques, Chiles C; Sherrier RH, J Thorac Imag 1990; **5-1:** 55

chest radiographic findings after bilateral lung transplantation, Herman SJ; Weisbrod GL; Weisbrod L; et al, AJR 1989; **153:** 1181

chest radiograph scoring system in adult cystic fibrosis: correlation with pulmonary function, O'Laoide RM; Fahy J; Coffey M; et al, Clin Radiol 1991; **43:** 308

comparison of scanning equalization and conventional chest radiography, Wandtke JC; Plewes DB, Radiology 1989; **172:** 641

conventional radiography of the hilum and mediastinum in bronchogenic carcinoma, Swensen SJ; Brown LR, Radiol Clin North Am 1990; **28:** 521

correlation of chest roentgenograms with pulmonary function and bronchoalveolar lavage in interstitial lung disease, (ab), Nugent KM; Peterson MW; Jolles H; et al, Radiology 1990; **175:** 883

correlation of subcarinal density visualized on plain chest roentgenograms with computed tomographic scans, (ab), Hammersley JR; Grum CM; Green RA, Radiology 1990; **177:** 291

degree of roentgenographic parenchymal opacities attributable to smoking among asbestos-exposed subjects, (ab), Barnhart S; Thornquist M; Omenn GS; et al, Radiology 1990; **177:** 890

dynamic imaging of pulmonary ventilation: description of a novel digital fluoroscopic system, Kiuru A; Svedström E; Kuuluvainen I, Acta Radiol 1991; **32:** 114

effect of patient position on interpretation of lung images complicated by chest radiograph opacities, Solomon RW; Palestro CJ; Kim CK; et al, Clin Nucl Med 1989; **14:** 261

gleaning physiologic information from the conventional chest radiograph, Ravin CE, Radiology 1991; **179:** 17

imaging insights: incomplete pulmonary fissures, (ab), Proto AV, Radiology 1991; **178:** 588

imaging of the Azygos lobe: normal anatomy and variations, Mata JM; Cáceres J; Alegret X; et al, AJR 1991; **156:** 931

interstitial lung disease: impact of postprocessing in digital storage phosphor imaging, Schaefer CM; Greene RE; Llewellyn HJ; Mrose HE; Pile-Spellman EA; Rubens JR; Lindemann SR, Radiology 1991; **178:** 733

invisible pulmonary markings due to air in the pulmonary vasculature: a post-mortem study, McHugh K; Brunton FJ, Br J Radiol 1990; **63:** 646

linear opacities as a feature of pneumocystis pneumonia, Page JE; Wilson AG, Br J Radiol 1990; **63:** 597

performance and consultation patterns in pulmonary radiology, Nath H; Sanders C; Frank M; et al, Invest Radiol 1990; **25:** 1251

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; **174:** 775

scatter fractions in AMBER imaging, Chotas HG; Floyd CE Jr; Dobbins JT III; Lo JY; Ravin CE, Radiology 1990; **177:** 879

small object contrast in AMBER and conventional chest radiography, Chotas HG; Van Metter RL; Johnson GA; Ravin CE, Radiology 1991; **180:** 853

unusual radiographic manifestations of lung cancer, Woodring JH, Radiol Clin North Am 1990; **28:** 599

vascular leak syndrome associated with interleukin-2: chest radiographic manifestations, Mann H; Ward JH; Samlowski WE, Radiology 1990; **176:** 191

Lung, radionuclide studies

abnormal gallium-67 citrate imaging in tuberculosis appearing like sarcoidosis, Sotomayor JL; Kuhns LR, Clin Nucl Med 1989; **14:** 294

application of nuclear medicine techniques to the study of ARDS, Mishkin FS; Mason GR, J Thorac Imag 1990; **5-3:** 1

case of "false-positive" high probability ventilation-perfusion lung scan due to tuberculous mediastinal adenopathy with a discussion of other causes of "false-positive" high probability ventilation-perfusion lung scans, Palevsky HI; Cone L; Alavi A, J Nucl Med 1991; **32:** 512

cephalosporin-induced diffuse pulmonary inflammation depicted by Ga-67 scintigraphy, Krasnow AZ; McNamara M; Akhtar R; et al, Clin Nucl Med 1989; **14:** 379

clinical experience with Technegas, Murray IPC, Clin Nucl Med 1991; **16:** 247

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

comparison of scintigraphic diagnostic criteria in suspected pulmonary embolism, Woods ER; Iles S; Jackson S, J Canad Assoc Radiol 1989; **40:** 194

detection of abnormalities in febrile AIDS patients with In-111-labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989; **170:** 677

detection of pulmonary teleangiectasia using dynamic pulmonary perfusion imaging in patients with liver cirrhosis, Shijo H; Hisano S; Sasaki H; et al, Clin Nucl Med 1989; **14:** 179

detection of thoracic infections by nuclear medicine techniques in the acquired immunodeficiency syndrome, Kramer EL; Sanger JJ, Radiol Clin North Am 1989; **27:** 1067

diagnostic implicatons of Ga-67 chest-scan patterns in human immunodeficiency virus–seropositive patients, Kramer EL; Sanger JJ; Garay SM; Grossman RJ; Tiu S; Banner H, Radiology 1989; **170:** 671

diffuse lung uptake of Tc-99m MDP associated with pneumocystis carinii pneumonia in a patient with neuroblastoma, Batte WG Jr; Yeh SDJ; Larson SM, Clin Nucl Med 1991; **16:** 321

diffuse lung uptake of technetium-99m sulfur colloid in malaria, Leclerc Y; Verreault J; Bisson G, J Nucl Med 1989; **30:** 117

effect of PEEP on regional ventilation and perfusion in the mechanically ventilated preterm lamb, Schlessel JS; Susskind H; Joel DD; et al, J Nucl Med 1989; **30:** 1342

evaluation of preoperative and postoperative ventilation and pefusion lung scintigraphy in the screening for pulmonary embolism after elective orthopedic surgery, Keenan AM; Palevsky HI; Steinberg ME; et al, Clin Nucl Med 1991; **16:** 13

evaluation of pulmonary perfusion in lung regions showing isolated xenon-133 ventilation washout defects, Bushnell DL; Sood KB; Shirazi P; et al, Clin Nucl Med 1990; **15:** 562

evaluation of $^{99}Tc^{m}$ Technegas ventilation scintigraphy in the diagnosis of pulmonary embolism, James JM; Herman KJ; Lloyd JJ; et al, Br J Radiol 1991; **64:** 711

extrapulmonary activity during perfusion lung imaging with Tc-99m MAA, Mills BJA; Krasnow AZ; Collier BD; et al, Clin Nucl Med 1990; **15:** 128

false positive V/Q imaging in pulmonary contusion, Housman JF; Fajman WA, Clin Nucl Med 1989; **14:** 577

gallium-67 lung uptake in extrinsic hypersensitivity pneumonitis, Nimkin K; Oates E, Clin Nucl Med 1989; **14:** 451

gallium lung scanning and bronchoalveolar lavage in crocidolite-exposed workers, (ab), Hayes AA; Mullan B; Lovegrove FT; et al, Radiology 1990; **174:** 290

gallium uptake in tryptophan-related pulmonary disease, Kim SM; Park CH; Intenzo CM; et al, J Nucl Med 1991; **32:** 328

gastrointestinal visualization during xenon-133 ventilation study in a patient with tracheoesophageal fistula, Takehara Y; Takahashi M; Isoda H; et al, J Nucl Med 1989; **30:** 258

generation of parametric images during routine Tc-99m PYP inhalation/Tc-99m MAA perfusion lung scintigraphy: technical note, Miron SD; Wiesen EJ; Feiglin DH; et al, Clin Nucl Med 1991; **16:** 501

idiopathic pulmonary fibrosis: a rare cause of scintigraphic ventilation-perfusion mismatch, Pochis WT; Krasnow AZ; Collier BD; et al, Clin Nucl Med 1990; **15:** 321

incidental detection of hyperthyroidism during a perfusion lung scan for suspected pulmonary emboli, Campeau RJ; Lichtenstein RJ; Ward TL; et al, Clin Nucl Med 1991; **16:** 251

increased lung uptake on technetium-99m-sulfur colloid liver-spleen scans in patients with hepatic venoocclusive disease following bone marrow transplantation, Jacobson AF; Marks MA; Kaplan WD, J Nucl Med 1990; **31:** 372

intravenous digital subtraction angiography and lung imaging: compared value in the diagnosis of pulmonary embolism, Rosso J; Musset D; Petitpretz P; et al, Clin Nucl Med 1989; **14:** 183

iodine-123-HIPDM lung imaging in pulmonary vein-banded pulmonary hypertension, Shih W-J; Cottrill CM; Coupal JJ; et al, J Nucl Med 1990; **31:** 668

is lung sequestration of indium-111-labeled granulocytes organ specific?, Williams JH Jr; Wilson AF; Moser KM, J Nucl Med 1989; **30:** 1531

large substernal goiter as a cause of a pulmonary perfusion defect, Balon HR; Meier DA, Clin Nucl Med 1990; **15:** 806

liver-spleen visualization following aerosol lung ventilation with technetium-99m DTPA, Goyer P; Silverman E; Karvelis K, Clin Nucl Med 1989; **14:** 141

lobar emphysema: long-term imaging follow-up, Kennedy CD; Habibi P; Matthew DJ; Gordon I, Radiology 1991; **180:** 189

localization and visualization of pulmonary emboli with radiolabeled fibrin-specific monoclonal antibody, Kanke M; Matsueda GR; Strauss HW; et al, J Nucl Med 1991; **32:** 1254

lung scintigraphy—doubt and certainty in the diagnosis of pulmonary embolism, Robinson PJ, Clin Radiol 1989; **40:** 557

lung thallium-201 uptake during exercise emission computed tomography, Kurata C; Tawarahara K; Taguchi T; et al, J Nucl Med 1991; **32:** 417

lung uptake on Tc-99m albumin colloid liver spleen scan and on Ga-67 scan in angiotropic lymphoma, Kacki MH; Joyce JM; Coupal JJ; et al, Clin Nucl Med 1990; **15:** 187

lung ventilation scanning with a new carbon particle radioaerosol (technegas): preliminary patient studies, Rimkus DS; Ashburn WL, Clin Nucl Med 1990; **15:** 222

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147

metastatic pulmonary calcifications after cardiac surgery in children, Mani TM; Lallemand D; Corone S; Mauriat P, Radiology 1990; **174:** 463

microvascular right-to-left pulmonary shunt demonstrated by a radionuclide method, Kjøller E; Pedersen F; Svendsen TL; et al, J Nucl Med 1991; **32:** 139

need for oblique or lateral ventilation images in the diagnosis of pulmonary embolism, Blue PW; Fortenbery EJ, Clin Nucl Med 1990; **15:** 917

N-isopropyl-p-[I-123]iodoamphetamine lung imaging in a patient with chronic pulmonary thromboembolism, Kosuda S; Kawahara S; Tamura K; et al, Clin Nucl Med 1990; **14:** 756

noninvasive measurement of lung carbon-11-serotonin extraction in man, Coates G; Firnau G; Meyer G-J; et al, J Nucl Med 1991; **32:** 729

nuclear medicine. RSNA '88 meeting notes, Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM, Radiology 1989; **170:** 604

nuclear medicine. RSNA '90 meeting notes, Mettler FA Jr; Miller TR; Spies WG, Radiology 1991; **178:** 601

patterns of pulmonary perfusion scans in normal subjects. IV. the prevalence of abnormal scans in smokers 30 to 49 years of age, (ab), Fedullo PF; Kapitan KS; Brewer NS; et al, Radiology 1989; **173:** 290

postatelectatic ventilation-perfusion mismatch simulating a pulmonary embolus, Chung CJ; Grossnickle M; Rosenthal P; et al, J Nucl Med 1990; **31:** 1397

pulmonary embolism after hip or knee replacement: postoperative changes on pulmonary scintigrams in asymptomatic patients, Foley M; Maslack MM; Rothman RH; Casey MP; Lugano EM; Parry CE; Balderston RA; Booth RE Jr, Radiology 1989; **172:** 481

pulmonary embolism: segmental appearance of perfusion lung scan defects correlates with successful response to thrombolytic therapy, Parker JA; Nagel JS; Drum DE; Tumeh SS; Goldhaber SZ, Radiology 1990; **174:** 483

pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA, Radiology 1991; **180:** 409

pulmonary nuclear medicine evaluation of thromboembolic disease, Hanson MW; Coleman RE, J Thorac Imag 1989; **4-4:** 40

radioisotopic pulmonary lobectomy: feasibility study in dogs, Llaurado JG; Brewer LA III; Elam DA; et al, J Nucl Med 1990; **31:** 594

radionuclides and the lung: past, present, and future, Hughes JMB, AJR 1990; **155:** 455

radionuclide scanning in the detection of drug-induced lung disorders, Moinuddin M, J Thorac Imag 1991; **6-1:** 62

regional lung water measurements with PET: accuracy, reproducibility, and linearity, Velazquez M; Haller J; Amundsen T; et al, J Nucl Med 1991; **32:** 719

regional pulmonary perfusion following human heart-lung transplantation, Lisbona R; Hakim TS; Dean GW; et al, J Nucl Med 1989; **30:** 1297

reversal of intrapulmonary shunting in cirrhosis after liver transplantation demonstrated by perfusion lung scan, Levin DP; Pison CF; Brandt M; et al, J Nucl Med 1991; **32:** 862

reverse radioaerosol/radioperfusion distribution in pulmonary endobronchial obstruction, Fuentes RT; Holmes RA, Clin Nucl Med 1990; **15:** 217

reversibility of pulmonary telangiectasia in liver cirrhosis evidenced by serial dynamic pulmonary perfusion imaging, Shijo H; Nakayama K; Sasaki H; et al, Clin Nucl Med 1989; **14:** 909

reversible pulmonary uptake and hypertrophic pulmonary osteoarthropathic distribution of technetium-99m methylene diphosphonate in a case of *Pneumocystis carinii* pneumonia, Vaquer RA; Dunn EK; Bhat S; et al, J Nucl Med 1989; **30:** 1563

role of bone scanning in pulmonary alveolar microlithiasis: report of two cases, Padhy AK; Sharma SK; Vijayaraghavan M; et al, Clin Nucl Med 1991; **16:** 458

scintigraphic studies of inflammation in diffuse lung disease, Line BR, Radiol Clin North Am 1991; **29:** 1095

single perfusion defect secondary to intrathoracic kidney, Hallisey MJ; Caride VJ, Clin Nucl Med 1990; **15:** 523

stratified impairment of pulmonary ventilation in "diffuse panbronchiolitis:" PET and CT studies, Murata K; Itoh H; Senda M; et al, JCAT 1989; **13:** 48

survey on the use of pulmonary scintigraphy and angiography for suspected pulmonary thromboembolism in the UK, Cooper TJ; Hayward MWJ; Hartog M, Clin Radiol 1991; **43:** 243

technetium-99m-MIBI and thallium-201 uptake in pulmonary actinomycosis, Aktolun C; Demirel D; Kir M; et al, J Nucl Med 1991; **32:** 1429

tracheobronchial mucociliary clearance and alveolar epithelial permeability measured by PET with ^{18}FDG powder, Hatazawa J; Yanai M; Itoh M; et al, JCAT 1990; **14:** 175

unusual pattern of lung uptake of technetium-99m sulfur colloid seen on the liver scan of a patient with pulmonary tuberculosis, Stewart CA; Hung G-L; Siegel ME; et al, Clin Nucl Med 1989; **14:** 271

uptake and kinetics of Tc-99m hexakis 2-methoxy isobutyl isonitrile in benign and malignant lesions in the lungs, Hassan IM; Sahweil A; Constantinides C; et al, Clin Nucl Med 1989; **14:** 333

urine excretion of inhaled technetium-99m-DTPA: an alternative method to assess lung epithelial transport, Köhn H; König B; Klech H; et al, J Nucl Med 1990; **31:** 441

utility of technetium-99m DTPA inhalational scans in artificially ventilated patients, Butler SP; Alderson PO; Greenspan RL; et al, J Nucl Med 1990; **31:** 46

ventilation-perfusion scintigraphy in an adult with congenital unilateral hyperlucent lung, Wegener WA; Velchik MG, Clin Nucl Med 1990; **15:** 683

zones of increased perfusion (hot spots) on perfusion lung scans: correlation with pulmonary arteriograms, Meignan M; Palmer EL; Waltman AC; Strauss HW, Radiology 1989; **173:** 47

zones of increased perfusion (hot spots) on perfusion lung scans, Massoud TF, Radiology 1990; **175:** 286

zones of increased perfusion (hot spots) on perfusion lung scans: reply, Strauss HW, Radiology 1990; **175:** 286

Lung, sequestration

See Lung, abnormalities

Lung, surgery

completion pneumonectomy: indications, complications, and results, (ab), McGovern EM; Trastek VF; Pairolero PC; et al, Radiology 1989; **171:** 291

MR appearance of the normal chest after pneumonectomy, Laissy J-P; Rebibo G; Iba-Zizen M-T; et al, JCAT 1989; **13:** 248

postpneumonectomy syndrome after left lung resection, Quillin SP; Shackelford GD, Radiology 1991; **179:** 100

tracheal sleeve pneumonectomy for bronchogenic carcinoma: report of 55 cases, (ab), Dartevelle PG; Khalife J; Chapelier A; et al, Radiology 1989; **170:** 583

Lung, thrombosis

N-isopropyl-p-[I-123]iodoamphetamine lung imaging in a patient with chronic pulmonary thromboembolism, Kosuda S; Kawahara S; Tamura K; et al, Clin Nucl Med 1990; **14:** 756

Lung, tomography

left paratracheal reflection, Proto AV; Corcoran HL; Ball JB Jr, Radiology 1989; **171:** 625

pulmonary masses: contrast enhancement, Littleton JT Jr; Durizch ML; Moeller G; Herbert DE, Radiology 1990; **177:** 861

Lung, torsion

torsion of the upper lobe in pneumothorax, Berkmen YM; Yankelevitz D; Davis SD; Zanzonico P, Radiology 1989; **173:** 447

torsion of the upper lobe of the lung after surgery: findings on pulmonary angiography, Munk PL; Vellet AD; Zwirewich C, AJR 1991; **157:** 471

Lung, transplantation

acute lung rejection after heart-lung transplantation: correlation of findings on chest radiographs with lung biopsy results, Bergin CJ; Castellino RA; Blank N; et al, AJR 1990; **155:** 23

brochiolitis obliterans after lung transplantation: findings at chest radiography and high-resolution CT, Morrish WF; Herman SJ; Weisbrod GL; Chamberlain DW; Toronto Lung Transplant Group, Radiology 1991; **179:** 487

bronchiolitis obliterans in heart-lung transplantation patients: radiologic findings in 11 patients, Skeens JL; Fuhrman CR; Yousem SA, AJR 1989; **153:** 253

chest radiographic findings after bilateral lung transplantation, Herman SJ; Weisbrod GL; Weisbrod L; et al, AJR 1989; **153:** 1181

cyclosporine-induced lymphoma following a unilateral lung transplant, Rappaport DC; Weisbrod GL; Herman SJ; et al, J Canad Assoc Radiol 1989; **40:** 110

heart-lung transplantation, Bonser RS; Fragomeni LS; Jamieson SW, Invest Radiol 1989; **24:** 310

inflation-fixed lungs: pathologic–radiologic (CT) correlation of lung transplantation, Hruban RH; Ren H; Kuhlman JE; et al, JCAT 1990; **14:** 329

obliterative bronchiolitis following lung transplantation diagnostic utility of aerosol ventilation lung scanning and high resolution CT, Halvorsen RA Jr; duCret RP; Kuni CC; et al, Clin Nucl Med 1991; **16:** 256

posttransplant lymphoproliferative disorders in heart-lung-transplant recipients: primary presentation in the allograft, (ab), Yousem SA; Randhawa P; Locker J; et al, Radiology 1989; **173:** 883

pseudo-intracardiac air in a heart–lung transplant patient, Aafedt BC; Halvorsen RA Jr; Bolman RM III, J Canad Assoc Radiol 1990; **41:** 305

radiographic appearances of infection and acute rejection of the lung after heart-lung transplantation, (ab), Millet B; Higenbottam TW; Flower CDR; et al, Radiology 1990; **174:** 290

radiologic correlation with early physiologic function of the transplanted canine lung, Keshavjee SH; Herman SJ; Yamazaki F; et al, Invest Radiol 1990; **25:** 511

radiologic findings in heart-lung transplantation: a preliminary experience, Holland SA; Hutton LC; McKenzie FN, J Canad Assoc Radiol 1989; **40:** 94

reactivation of tuberculosis in a donor lung after transplantation, Carlsen SE; Bergin CJ, AJR 1990; **154:** 495

regional pulmonary perfusion following human heart-lung transplantation, Lisbona R; Hakim TS; Dean GW; et al, J Nucl Med 1989; **30:** 1297

single-lung transplantation: imaging features, Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group, Radiology 1989; **170:** 89

unexpectedly high incidence of *Pneumocystis carinii* infection after lung-heart transplantation: implications for lung defense and allograft survival, (ab), Gryzan S; Paradis IL; Zeevi A; et al, Radiology 1989; **171:** 586

Lung, US

echography of pulmonary sequestration, Gudinchet F; Anderegg A, Eur J Radiol 1989; **9:** 93

lung abscesses: US examination and US-guided transthoracic aspiration, Yang P-C; Luh K-T; Lee Y-C; Chang D-B; Yu C-J; Wu H-D; Lee L-N; Kuo S-H, Radiology 1991; **180:** 171

pulmonary sequestration: diagnosis by ultrasound, West MS; Donaldson JS; Shkolnik A, J Ultrasound Med 1989; **8:** 125

right and left lung perfusion: in vitro and in vivo validation with oblique-angle, velocity-encoded cine MR imaging, Caputo GR; Kondo C; Masui T; Geraci SJ; Foster E; O'Sullivan MM; Higgins CB, Radiology 1991; **180:** 693

Lung, ventilation

abnormal regional distribution of ventilation in middle-aged smokers: comparison of changes in ^{81}Kr^{m} ventilation scans and computed tomography of the lung, Hicks IP; Barter SJ; Carr DH; et al, Clin Radiol 1990; **41:** 347

clinical experience with Technegas, Murray IPC, Clin Nucl Med 1991; **16:** 247

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

determination of functional residual capacity from digital radiographs of the normal neonatal chest: studies in a rabbit model, White KS; Muelenaer AA Jr; Beam CA; et al, AJR 1991; **156:** 1209

dynamic digital subtraction evaluation of regional pulmonary ventilation with nonradioactive xenon, Lam KL; Chan H-P; MacMahon H; et al, Invest Radiol 1990; **25:** 728

dynamic imaging of pulmonary ventilation in children using digital subtraction radiography, Svedström EJ; Kiuru A; Puhakka HJ, Acta Radiol 1990; **31:** 53

effect of patient position on interpretation of lung images complicated by chest radiograph opacities, Solomon RW; Palestro CJ; Kim CK; et al, Clin Nucl Med 1989; **14:** 261

effect of PEEP on regional ventilation and perfusion in the mechanically ventilated preterm lamb, Schlessel JS; Susskind H; Joel DD; et al, J Nucl Med 1989; **30:** 1342

incidence and etiology of the ventilation/perfusion reverse mismatch defect, Carvalho P; Lavender JP, Clin Nucl Med 1989; **14:** 571

liver-spleen visualization following aerosol lung ventilation with technetium-99m DTPA, Goyer P; Silverman E; Karvelis K, Clin Nucl Med 1989; **14:** 141

lobar emphysema: long-term imaging follow-up, Kennedy CD; Habibi P; Matthew DJ; Gordon I, Radiology 1991; **180:** 189

obliterative bronchiolitis following lung transplantation diagnostic utility of aerosol ventilation lung scanning and high resolution CT, Halvorsen RA Jr; duCret RP; Kuni CC; et al, Clin Nucl Med 1991; **16:** 256

perfusion lung scan in patients operated for transposition of the great arteries, Houzard C; Andre M; Guilhen S; et al, Clin Nucl Med 1989; **14:** 268

single perfusion defect and pulmonary embolism: angiographic correlation, Catania TA; Caride VJ, J Nucl Med 1990; **31:** 296

spontaneous abrupt changes in the distribution of ventilation: a cause for apparent mismatching on ventilation/perfusion scintigraphy, Peters AM; Gordon I; Kaiser AM; et al, Br J Radiol 1989; **62:** 536

stratified impairment of pulmonary ventilation in "diffuse panbronchiolitis:" PET and CT studies, Murata K; Itoh H; Senda M; et al, JCAT 1989; **13:** 48

unusual cause of entire lung ventilation-perfusion mismatch, Bergh JR; Phillips W; Blumhardt R, Clin Nucl Med 1989; **14:** 464

utility of technetium-99m DTPA inhalational scans in artificially ventilated patients, Butler SP; Alderson PO; Greenspan RL; et al, J Nucl Med 1990; **31:** 46

value of the ventilation/perfusion scan in acute pulmonary embolism: results of the prospective investigation of pulmonary embolism diagnosis (PIOPED), (ab), PIOPED Investigators, Radiology 1990; **177:** 596

ventilation/perfusion mismatch caused by positive pressure ventilatory support, Kim CK; Heyman S, J Nucl Med 1989; **30:** 1268

Lung, volume

See Lung, ventilation

Lung neoplasms

61-year old woman with a 1-month history of cough, Morrison K; Figueroa P; Govoni AF, Clin Imag 1989; **13:** 90

alveolar soft-part sarcoma: a clinicopathologic study of half a century, (ab), Lieberman PH; Brennan MF; Kimmel M; et al, Radiology 1989; **172:** 888

and what is *your* sign?, Walkey MM, Radiology 1991; **178:** 894

biology of lung cancer: a review, Carney DN, Acta Oncol 1989; **28:** 1

blood analyses as prognostic factors in primary lung cancer, Engan T; Hannisdal E, Acta Oncol 1990; **29:** 151

bronchial carcinoid tumors: assessment with CT of location and intratumoral calcification in 31 patients, Zwiebel BR; Austin JHM; Grimes MM, Radiology 1991; **179:** 483

bronchioloalveolar carcinoma, Epstein DM, Semin Roentgenol 1990; **25:** 105

bronchioloalveolar cell adenomas, (ab), Miller RR, Radiology 1991; **178:** 897

bronchoalveolar carcinoma: factors affecting survival, (ab), Daly RC; Trastek VF; Pairolero PC; et al, Radiology 1991; **181:** 909

cancer recurrence after resection: T1N0 non-small cell, (ab), Thomas P; Rubinstein L; Lung Cancer Society Group, Radiology 1990; **177:** 891

characteristic radiographic features of pulmonary carcinoma associated with large bulla, (ab), Tsutsui M; Araki Y; Shirakusa T; et al, Radiology 1989; **172:** 585

chest wall implementation of lung cancer after thin-needle aspiration biopsy, (ab), Seyfer AE; Walsh DS; Graeber GM; et al, Radiology 1990; **174:** 899

clinical aspects of lung cancer, Grippi MA, Semin Roentgenol 1990; **25:** 12

clinical features of adenosquamous lung carcinoma in 127 patients, (ab), Sridhar KS; Bounassi MJ; Raub W Jr; et al, Radiology 1990; **177:** 891

concomitant monitoring of serum neuron-specific enolase and creatine kinase BB in small cell lung cancer, Liippo KK; Terho T, Acta Oncol 1991; **30:** 321

conventional radiography of the hilum and mediastinum in bronchogenic carcinoma, Swensen SJ; Brown LR, Radiol Clin North Am 1990; **28:** 521

"CT angiogram" sign: establishing the differential diagnosis, Schuster MR; Scanlan KA, Radiology 1991; **181:** 903

developmental lymphatic disorders of the thorax, Scalzetti EM; Heitzman ER; Groskin SA; Randall PA; Katzenstein A-LA, Radiographics 1991; **11:** 1069

direct coronal CT scanning of tracheo-bronchial, pulmonary and thoraco-abdominal lesions in children, Bar-Ziv J; Solomon A, Pediatr Radiol 1990; **20:** 245

effect of patient positioning after needle aspiration lung biopsy, Moore EH; LeBlanc J; Montesi SA; Richardson ML; Shepard JO; McLoud TC, Radiology 1991; **181:** 385

histopathologic classification of small cell lung cancer: changing concepts and terminology, (ab), Hirsch FR; Matthews MJ; Aisner S; et al, Radiology 1989; **171:** 291

importance of surgery to non-small cell carcinoma of lung with mediastinal lymph node metastasis, (ab), Naruke T; Goya T; Tsuchiya R; et al, Radiology 1989; **172:** 585

intraoperative pleural lavage cytology in lung cancer patients, (ab), Okumura M; Ohshima S; Kotake Y; et al, Radiology 1991; **181:** 910

intravascular bronchio-alveolar tumor: radiographic findings, Mata JM; Cáceres J; Prat J; et al, Eur J Radiol 1991; **12:** 95

lobar bronchioloalveolar carcinoma: "angiogram sign" on CT scans, Im J-G; Han MC; Yu EJ; Han JK; Park JM; Kim C-W; Seo JW; Yoon Y; Lee JD; Lee KS, Radiology 1990; **176:** 749

lung cancer: epidemiology and risk factors, Aronchick JM, Semin Roentgenol 1990; **25:** 5

lung cancer in patients seropositive for human immunodeficiency virus, Braun MA; Killam DA; Remick SC; Ruckdeschel JC, Radiology 1990; **175:** 341

malignant fibrous histiocytoma of the lung in a patient with a history of asbestos exposure, Reifsnyder AC; Smith HJ; Mulhollan TJ; et al, AJR 1990; **154:** 65

malignant neoplasms arising in cystic hamartomas of the lung in childhood, Hedlund GL; Bisset GS III; Bove KE, Radiology 1989; **173:** 77

mucoepidermoid lung tumors, (ab), Heitmiller RF; Mathisen DJ; Ferry JA; et al, Radiology 1989; **173:** 290

multicentric adenocarcinoma of the lung: CT-pathologic correlation, Zwirewich CV; Miller RR; Müller NL, Radiology 1990; **176:** 185

multiple primary bronchogenic carcinomas: treatment and follow-up, (ab), Fleisher AG; McElvaney G; Robinson CLN, Radiology 1991; **181:** 292

multiple primary cancer in patients with cancer of the head and neck: second cancer of the head and neck, esophagus, and lung, Licciardello JTW; Spitz MR; Hong WK, Int J Radiat Oncol Biol Phys 1989; **17:** 467

neuroendocrine carcinomas of the lung, Müller NL; Miller RR, Semin Roentgenol 1990; **25:** 96

neuroendocrine carcinomas of the lung: clinical, radiologic, and pathologic correlation, Forster BB; Müller NL; Miller RR; Nelems B; Evans KG, Radiology 1989; **170:** 441

nonsurgical management of lung cancer: a 1989 perspective for small cell and the non–small cell histologies, Turrisi AT III, Semin Roentgenol 1990; **25:** 117

observations on the vascularization of secondary pulmonary neoplasms, Friedman PJ; Jonas AM; Carrington CB, Invest Radiol 1990; **25:** 423

pathology of carcinoma of the lung, Pietra GG, Semin Roentgenol 1990; **25:** 25

plain film evaluation of carcinoma of the lung, Romney BM; Austin JHM, Semin Roentgenol 1990; **25:** 45

pleuropulmonary blastoma: the so-called pulmonary blastoma of childhood, (ab), Manivel JC; Priest JR; Watterson J; et al, Radiology 1989; **171:** 591

prediction of postoperative loss of lung function in patients with malignant lung mass: quantitative regional ventilation-perfusion scanning, Ryo UY, Radiol Clin North Am 1990; **28:** 657

primary intrathoracic extraosseous osteogenic sarcoma: report of three cases, Stark P; Smith DC; Watkins GE; Chun KE, Radiology 1990; **174:** 725

prospective evaluation of fine needle aspiration in the diagnosis of lung cancer, (ab), Veale D; Gilmartin JJ; Sumerling MD; et al, Radiology 1989; **171:** 882

pulmonary blastomas, (ab), Koss MN; Hochholzer L; O'Leary T, Radiology 1991; **181:** 292

pulmonary embolism as an indicator of occult malignancy, Patel N; Krasnow AZ; Collier BD; et al, Clin Nucl Med 1990; **15:** 841

pulmonary masses: contrast enhancement, Littleton JT; Durizch ML; Moeller G; Herbert DE, Radiology 1990; **177:** 861

pulmonary neoplasms simulating interlobar pleural effusions, Carvalho P; Kerr I, Clin Radiol 1991; **43:** 13

pulmonary neoplastic and lymphoproliferative disease in AIDS: a review, Heitzman ER, Radiology 1990; **177:** 347

pulmonary nodules: computer-aided detection in digital chest images, Giger ML; Doi K; MacMahon H; Metz CE; Yin F-F, Radiographics 1990; **10:** 41

pulmonary parenchymal disease: evaluation with high-resolution CT, Murata K; Khan A; Herman PG, Radiology 1989; **170:** 629

pulmonary sequestration with histologic changes of cystic adenomatoid malformation, Morin C; Filiatrault D; Russo P, Pediatr Radiol 1989; **19:** 130

radiographic manifestations of primary bronchogenic carcinoma, Sider L, Radiol Clin North Am 1990; **28:** 583

release of chromogranin A and B like activity from human lung cancer cell lines: a potential marker for a subset of small cell lung cancer, Bergh J; Arnberg H; Eriksson B; et al, Acta Oncol 1989; **28:** 651

screening for lung cancer, (ab), Eddy DM, Radiology 1990; **174:** 586

second primary lung cancer: importance of long term follow-up, (ab), van Bodegom PC; Wagenaar SS; Corrin B; et al, Radiology 1990; **176:** 588

shunt between right subclavian vein and left heart in superior vena cava obstruction due to lung cancer, Taki J; Bunko H; Tonami N; et al, Clin Nucl Med 1990; **15:** 251

single-lung transplantation: imaging features, Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group, Radiology 1989; **170:** 89

small cell lung cancer, McVie JG; Dalesio OB; van Tinteren H, Acta Oncol 1989; **28:** 729

small nodular lesions in the lung periphery: new approach to diagnosis with CT, Mori K; Saitou Y; Tominaga K; Yokoi K; Miyazawa N; Okuyama A; Sasagawa M, Radiology 1990; **177:** 843

smoking and passive smoking in relation to lung cancer in women, Svensson C; Pershagen G; Klominek J, Acta Oncol 1989; **28:** 623

solitary pulmonary nodules: evaluation with a CT reference phantom, Huston J III; Muhm JR, Radiology 1989; **170:** 653

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

transthoracic needle biopsy of small peripheral malignant lung lesions, Sinner WN, Invest Radiol 1990; **25:** 402

tumour markers in broncho-alveolar lavage, Alvarez-Sala R; Blasco R; Callol L; et al, Acta Oncol 1989; **28:** 290

unresectable non-oat cell carcinoma of the lung: definitive radiation therapy, Mantravadi RVP; Gates JO; Crawford JN; Bajpai D; Trenkner JD; Jordan LN, Radiology 1989; **172:** 851

unusual radiographic manifestations of lung cancer, Woodring JH, Radiol Clin North Am 1990; **28:** 599

Lung neoplasms, CT

aggressive infantile fibromatosis: pulmonary metastases documented by plain film and computed tomography, Shankwiler RA; Athey PA; Lamki N, Clin Imag 1989; **13:** 127

and what is *your* sign?, Walkey MM, Radiology 1991; **178:** 894

bronchial carcinoid tumors: assessment with CT of location and intratumoral calcification in 31 patients, Zwiebel BR; Austin JHM; Grimes MM, Radiology 1991; **179:** 483

can computed tomography of the chest stage lung cancer? yes and no, (ab), Lewis JW Jr; Pearlberg JL; Beute GH; et al, Radiology 1990; **177:** 891

chest CT combined with artificial pneumothorax: value in determining origin and extent of tumor, Watanabe A; Shimokata K; Saka H; et al, AJR 1991; **156:** 707

chest wall involvement by lung cancer: computed tomographic detection and results of operation, (ab), Ratto GB; Piacenza G; Frola C; et al, Radiology 1991; **181:** 910

computed tomography and mediastinoscopy in the assessment of resectability of lung cancer, Lähde S; Hyrynkangas K; Merikanto J; et al, Acta Radiol 1989; **30:** 169

computed tomography in bronchogenic carcinoma, Libshitz HI, Semin Roentgenol 1990; **25:** 64

computed tomography of inflation-fixed lungs: the beaded septum sign of pulmonary metastases, Ren H; Hruban RH; Kuhlman JE; et al, JCAT 1989; **13:** 411

computed tomography to stage lung cancer: approaching a controversy using meta-analysis, (ab), Dales RE; Stark RM; Raman S, Radiology 1990; **177:** 890

correlation between CT and DNA contents in peripheral lung cancers, Wang YX; Yang ZY; Ding Y; et al, Eur J Radiol 1991; **13:** 43

cost-effectiveness of CT scanning compared with mediastinoscopy in the preoperative staging of lung cancer, Eddy RJ, J Canad Assoc Radiol 1989; **40:** 189

CT and MR imaging in staging non-small cell bronchogenic carcinoma: report of the Radiologic Diagnostic Oncology Group, Webb WR; Gatsonis C; Zerhouni EA; Heelan RT; Glazer GM; Francis IR; McNeil BJ, Radiology 1991; **178:** 705

"CT angiogram" sign: establishing the differential diagnosis, Schuster MR; Scanlan KA, Radiology 1991; **181:** 903

CT appearances of relapse of lymphoma in the lung, Cobby M; Whipp E; Bullimore J; et al, Clin Radiol 1990; **41:** 232

CT demonstration of calcification in carcinoma of the lung, Mahoney MC; Shipley RT; Corcoran HL; et al, AJR 1990; **154:** 255

CT evaluation for pulmonary metastases in patients with extrathoracic malignancy, Davis SD, Radiology 1991; **180:** 1

CT of bronchogenic carcinoma: indeterminate mediastinal invasion, McLoud TC, Radiology 1989; **173:** 15

current uses of CT and MR imaging in the staging of lung cancer, Templeton PA; Caskey CI; Zerhouni EA, Radiol Clin North Am 1990; **28:** 631

differentiation of central lung tumor from postobstructive lobar collapse by rapid sequence computed tomography, Onitsuka H; Tsukuda M; Araki A; et al, J Thorac Imag 1991; **6-2:** 28

evaluation of intrathoracic extent of lung cancer by plain chest radiography, computed tomography, and magnetic resonance imaging, (ab), Batra P; Brown K; Collins JD; et al, Radiology 1989; **170:** 288

evaluattion of recurrent bronchogenic carcinoma by computed tomgraphy, Görich J; Beyer-Enke SA; Flentje M; et al, Clin Imag 1990; **14:** 131

hemoptysis: CT-bronchoscopic correlations in 58 cases, Naidich DP; Funt S; Ettenger NA; Arranda C, Radiology 1990; **177:** 357

indeterminate mediastinal invasion in bronchogenic carcinoma: CT evaluation, Glazer HS; Kaiser LR; Anderson DJ; Molina PL; Emami B; Roper CL; Sagel SS, Radiology 1989; **173:** 37

intravascular bronchio-alveolar tumor: radiographic findings, Mata JM; Cáceres J; Prat J; et al, Eur J Radiol 1991; **12:** 95

intravascular bronchioloalveolar tumor: CT and pathologic correlation, Ross GJ; Violi L; Friedman AC; et al, JCAT 1989; **13:** 240

lobar bronchioloalveolar carcinoma: "angiogram sign" on CT scans, Im J-G; Han MC; Yu EJ; Han JK; Park JM; Kim C-W; Seo JW; Yoon Y; Lee JD; Lee KS, Radiology 1990; **176:** 749

lobar primary pulmonary lymphoma: CT findings, Bosanko CMM; Korobkin M; Fantone JC; et al, JCAT 1991; **15:** 679

lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717

lymphoma of the lung: CT findings in 31 patients, Lewis ER; Caskey CI; Fishman EK, AJR 1991; **156:** 711

multicentric adenocarcinoma of the lung: CT-pathologic correlation, Zwirewich CV; Miller RR; Müller NL, Radiology 1990; **176:** 185

neuroendocrine carcinomas of the lung: clinical, radiologic, and pathologic correlation, Forster BB; Müller NL; Miller RR; Nelems B; Evans KG, Radiology 1989; **170:** 441

occult lung carcinoma presenting with dysphagia: the value of computed tomography, Heater K; MacMahon H; Vyborny CJ, Clin Imag 1989; **13:** 122

peripheral carcinoid tumor of the lung: CT diagnosis, Davis SD; Zirn JR; Govoni AF; et al, AJR 1990; **155:** 1185

pulmonary blastoma: a rare childhood malignancy, Senac MO Jr; Wood BP; Isaacs H; Weller M, Radiology 1991; **179:** 743

pulmonary carcinoid tumors: CT assessment, Magid D; Siegelman SS; Eggleston JC; et al, JCAT 1989; **13:** 244

pulmonary lymphangioleiomyomatosis: CT findings, Sherrier RH; Chiles C; Roggli V, AJR 1989; **153:** 937

pulmonary sclerosing hemangioma: unusual cause of a solitary pulmonary nodule, Dawson WB; Müller NL; Miller RR, J Canad Assoc Radiol 1990; **41:** 372

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

small nodular lesions in the lung periphery: new approach to diagnosis with CT, Mori K; Saitou Y; Tominaga K; Yokoi K; Miyazawa N; Okuyama A; Sasagawa M, Radiology 1990; **177:** 843

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Miller RR; Müller NL, Radiology 1991; **179:** 469

solitary pulmonary nodules: evaluation with a CT reference phantom, Huston J III; Muhm JR, Radiology 1989; **170:** 653

superior sulcus tumors: CT and MR imaging, Heelan RT; Demas BE; Caravelli JF; Martini N; Bains MS; McCormack PM; Burt M; Panicek DM; Mitzner A, Radiology 1989; **170:** 637

T1N0M0 lung cancer: evaluation with CT, Conces DJ Jr; Klink JF; Tarver RD; Moak GD, Radiology 1989; **170:** 643

three dimensional CT of central lung tumors, Quint LE; McShan DL; Glazer GM; et al, Clin Imag 1990; **14:** 323

tumor invasion of the chest wall and mediastinum in lung cancer: evaluation with pneumothorax CT, Yokoi K; Mori K; Miyazawa N; Saito Y; Okuyama A; Sasagawa M, Radiology 1991; **181:** 147

Lung neoplasms, diagnosis

adenocarcinoma of the lung: a comparative diagnostic study using light and electron microscopy, (ab), McGregor DH; Dixon AY; McGregor DK, Radiology 1989; **170:** 289

and what is *your* sign?, Walkey MM, Radiology 1991; **178:** 894

bronchial carcinoid tumors: assessment with CT of location and intratumoral calcification in 31 patients, Zwiebel BR; Austin JHM; Grimes MM, Radiology 1991; **179:** 483

"CT angiogram" sign: establishing the differential diagnosis, Schuster MR; Scanlan KA, Radiology 1991; **181:** 903

CT evaluation for pulmonary metastases in patients with extrathoracic malignancy, Davis SD, Radiology 1991; **180:** 1

current applications of imaging procedures in the patient with lung cancer, Bragg DG, Int J Radiat Oncol Biol Phys 1991; **21:** 847

developmental lymphatic disorders of the thorax, Scalzetti EM; Heitzman ER; Groskin SA; Randall PA; Katzenstein A-LA, Radiographics 1991; **11:** 1069

digital storage phosphor imaging versus conventional film radiography in CT-documented chest disease, Schaefer CM; Greene RE; Oestmann JW; Hall DA; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1990; **174:** 207

expert system–controlled image display, Swett HA; Fisher PR; Cohn AI; Miller PL; Mutalik PG, Radiology 1989; **172:** 487

imaging in primary-lung cancer: the roles of detection, staging, and follow-up, Bragg DG, Semin US CT MR 1989; **10:** 453

lobar bronchioloalveolar carcinoma: "angiogram sign" on CT scans, Im J-G; Han MC; Yu EJ; Han JK; Park JM; Kim C-W; Seo JW; Yoon Y; Lee JD; Lee KS, Radiology 1990; **176:** 749

lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717

neuroendocrine carcinomas of the lung: clinical, radiologic, and pathologic correlation, Forster BB; Müller NL; Miller RR; Nelems B; Evans KG, Radiology 1989; **170:** 441

pediatric case of the day, Fernbach SK, Radiographics 1990; **10:** 513

peripheral carcinoid tumor of the lung: CT diagnosis, Davis SD; Zirn JR; Govoni AF; et al, AJR 1990; **155:** 1185

pitfalls in the radiologic diagnosis of lung cancer, Woodring JH, AJR 1990; **154:** 1165

prevalence of air bronchograms in small peripheral carcinomas of the lung on thin-section CT: comparison with benign tumors, Kuriyama K; Tateishi R; Doi O; et al, AJR 1991; **156:** 921

problems in radiographic detection and diagnosis of lung cancer, Hayabuchi N; Russell WJ; Murakami J, Acta Radiol 1989; **30:** 163

pulmonary nodules: computer-aided detection in digital chest images, Giger ML; Doi K; MacMahon H; Metz CE; Yin F-F, Radiographics 1990; **10:** 41

role of radiologic screening in lung cancer, Epstein DM, Radiol Clin North Am 1990; **28:** 489

search and nonsearch protocols for radiographic consultation, Swensson RG; Theodore GH, Radiology 1990; **177:** 851

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Miller RR; Müller NL, Radiology 1991; **179:** 469

when is it malpractice to miss breast cancer on mammograms?, Hall FM, Radiology 1990; **176:** 876

when is it malpractice to miss lung cancer on chest radiographs?, Potchen EJ; Bisesi MA, Radiology 1990; **175:** 29

Lung neoplasms, metastases

CT of mediastinal lymph nodes in patients with non–small cell lung carcinoma, Aronchick JM, Radiol Clin North Am 1990; **28:** 573

indeterminate mediastinal invasion in bronchogenic carcinoma: CT evaluation, Glazer HS; Kaiser LR; Anderson DJ; Molina PL; Emami B; Roper CL; Sagel SS, Radiology 1989; **173:** 37

intrathoracic lymph node evaluation by CT and MRI with histopathologic correlation in non-small cell bronchogenic carcinoma, Georgian D; Rice TW; Mehta AC; et al, Clin Imag 1990; **14:** 35

large-sized brain metastasis of lung cancer without perifocal edema: case report, Niwa J; Kubota T; Okuyama T; et al, Comput Med Imag Graph 1991; **15:** 121

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Ranade SS; Trivedi PN; Bamane VS, Radiology 1990; **174:** 284

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Glazer GM; Orringer MB; Chenevert TL, Radiology 1990; **174:** 285

mediastinal spread of metastatic lymph nodes in bronchogenic carcinoma: mediastinal nodal metastases, (ab), Watanabe Y; Shimizu J; Tsubota M; et al, Radiology 1990; **177:** 596

significance of ipsilateral mediastinal lymph node metastasis (N2 disease) in non-small cell carcinoma of the lung: a commentary, (ab), Shields TW, Radiology 1990; **176:** 886

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

surgical management of lung cancer with solitary cerebral metastasis, (ab), Hankins JR; Miller JE; Salcman M; et al, Radiology 1989; **170:** 583

T1N0M0 lung cancer: evaluation with CT, Conces DJ Jr; Klink JF; Tarver RD; Moak GD, Radiology 1989; **170:** 643

Lung neoplasms, MR

CT and MR imaging in staging non–small cell bronchogenic carcinoma: report of the Radiologic Diagnostic Oncology Group, Webb WR; Gatsonis C; Zerhouni EA; Heelan RT; Glazer GM; Francis IR; McNeil BJ, Radiology 1991; **178:** 705

current uses of CT and MR imaging in the staging of lung cancer, Templeton PA; Caskey CI; Zerhouni EA, Radiol Clin North Am 1990; **28:** 631

differentiation of bronchogenic carcinoma from postobstructive pneumonitis by magnetic resonance imaging: histopathologic correlation, Bourgouin PM; McLoud TC; Fitzgibbon JF; et al, J Thorac Imag 1991; **6-2:** 22

evaluation of intrathoracic extent of lung cancer by plain chest radiography, computed tomography, and magnetic resonance imaging, (ab), Batra P; Brown K; Collins JD; et al, Radiology 1989; **170:** 288

investigations concerning the potential for using ^1H NMR relaxometry or high-resolution spectroscopy of plasma as a screening test for malignant lung disease, Schuhmacher JH; Conrad D; Manke HG; et al, Magn Res Med 1990; **13:** 103

magnetic resonance imaging in the evaluation of lung cancer, Gefter WB, Semin Roentgenol 1990; **25:** 73

MR imaging of primary pulmonary lymphoma, Takashima S; Fujita N; Morimoto S; et al, Australas Radiol 1990; **34:** 353

MR imaging of superior sulcus carcinoma, McLoud TC; Filion RB; Edelman RR; et al, JCAT 1989; **13:** 233

role of magnetic resonance imaging in the assessment of patients with lung cancer: a comparison with computed tomography, Webb WR, J Thorac Imag 1989; **4-2:** 65

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

superior sulcus tumors: CT and MR imaging, Heelan RT; Demas BE; Caravelli JF; Martini N; Bains MS; McCormack PM; Burt M; Panicek DM; Mitzner A, Radiology 1989; **170:** 637

superior sulcus tumors: the role of imaging, Takasugi JE; Rapoport S; Shaw C, J Thorac Imag 1989; **4-1:** 41

Lung neoplasms, radionuclide studies

diagnostic implicatons of Ga-67 chest-scan patterns in human immunodeficiency virus–seropositive patients, Kramer EL; Sanger JJ; Garay SM; Grossman RJ; Tiu S; Banner H, Radiology 1989; **170:** 671

efficacy of computed tomography of the thorax and upper abdomen and whole-body gallium scintigraphy for staging of lung cancer, (ab), MacMahon H; Scott W; Ryan JW; et al, Radiology 1990; **175:** 588

gallium scintigraphy in neoplastic angioendotheliosis of the lung, Honda N; Machida K; Kamano T; et al, Clin Nucl Med 1991; **16:** 43

lung uptake of technetium-99m HDP in giant-cell tumor metastases, Joyce JM; Aubrey DL; MacDonald JS; et al, Clin Nucl Med 1989; **14:** 767

noninvasive staging of lung cancer: indications and limitations of gallium-67 citrate imaging, Bekerman C; Caride VJ; Hoffer PB; et al, Radiol Clin North Am 1990; **28:** 497

primary lung cancer: biodistribution and dosimetry of two In-111–labeled monoclonal antibodies, Brown PH; Krishnamurthy GT; Turner FE; Denney RK; Gilbert SA; Slauson ME, Radiology 1989; **173:** 701

pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA, Radiology 1991; **180:** 409

radionuclide detection of primary pulmonary osteogenic sarcoma: a case report and review of the literature, Petersen M, J Nucl Med 1990; **31:** 1110

relationship between histologic type of primary lung cancer and carbon-11-L-methionine uptake with positron emission tomography, Fujiwara T; Matsuzawa T; Kubota K; et al, J Nucl Med 1989; **30:** 33

Tc-99m MDP uptake by metastatic chondrosarcoma in the lung, Mekhmandarov S; Engelberg S; Nass D; et al, Clin Nucl Med 1989; **14:** 369

thallium-201 accumulation in an unsuspected bronchogenic carcinoma, Fakier DR; Strauss EB, Clin Nucl Med 1989; **14:** 460

thallium-201 single photon emission computed tomograms of double cancers: lung and breast, Tonami N; Yokoyama K; Michigishi T; et al, Clin Nucl Med 1989; **14:** 594

thallium-201 single photon emission computed tomography in the evaluation of suspected lung cancer, Tonami N; Shuke N; Yokoyama K; et al, J Nucl Med 1989; **30:** 997

two cases of adenocarcinoma of the lung in which thallium-201 gave a better delineation of metastatic lesions than gallium-67, Togawa T; Yui N; Koakutsu M; et al, Clin Nucl Med 1989; **14:** 197

uptake and kinetics of Tc-99m hexakis 2-methoxy isobutyl isonitrile in benign and malignant lesions in the lungs, Hassan IM; Sahweil A; Constantinides C; et al, Clin Nucl Med 1989; **14:** 333

Lung neoplasms, secondary

biology of pulmonary metastatic disease, Filderman AE; Coppage L; Shaw C; et al, Invest Radiol 1990; **25:** 215

case report: numerous pulmonary metastases from renal cell carcinoma confined to the middle lobe, Toye R; Jones DK; Armstrong P; et al, Clin Radiol 1990; **42:** 443

cavitary pulmonary metastases in transitional cell carcinoma of urinary bladder, Alexander PW; Sanders C; Nath H, AJR 1990; **154:** 493

chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

computed tomography of inflation-fixed lungs: the beaded septum sign of pulmonary metastases, Ren H; Hruban RH; Kuhlman JE; et al, JCAT 1989; **13:** 411

CT evaluation for pulmonary metastases in patients with extrathoracic malignancy, Davis SD, Radiology 1991; **180:** 1

detection of pulmonary metastases in a patient with synovial cell sarcoma using In-111 labeled monoclonal antibody 19-24, Swift JE; Blend MJ; Bekerman C; et al, Clin Nucl Med 1990; **15:** 227

hypertrophic osteoarthropathy caused by lung metastasis of an osteosarcoma, Flueckiger F; Fotter R; Hausegger K; et al, Pediatr Radiol 1989; **20:** 128

hypertrophic pulmonary osteoarthropathy due to a pulmonary metastasis from a soft tissue sarcoma, Banerjee AK; Carvalho P, Clin Nucl Med 1991; **16:** 270

hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. a case report and review of the literature, Davies RA; Darby M; Richards MA, Clin Radiol 1991; **43:** 268

interleukin-2 therapy for advanced renal cell carcinoma: radiographic evaluation of response and complications, Davis SD; Berkmen YM; Wang JCL, Radiology 1990; **177:** 127

lung uptake of technetium-99m HDP in giant-cell tumor metastases, Joyce JM; Aubrey DL; MacDonald JS; et al, Clin Nucl Med 1989; **14:** 767

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147

osteogenic sarcoma with pulmonary metastasis visualized by bone imaging, Velchik MG; Wegener W, Clin Nucl Med 1990; **14:** 662

osteosarcomatosis, Hopper KD; Moser RP Jr; Haseman DB; Sweet DE; Madewell JE; Kransdorf MJ, Radiology 1990; **175:** 233

pitfalls in the diagnosis of metastatic disease or local tumor extension with modern imaging techniques, Steckel RJ; Kagan RA, Invest Radiol 1990; **25:** 818

pulmonary lacunae: sequelae of metastases following chemotherapy, Charig MJ; Williams MP, Clin Radiol 1990; **42:** 93

pulmonary metastases in children: results of surgical treatment, (ab), Di Lorenzo M; Collin P-P, Radiology 1989; **171:** 295

pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22

resection of pulmonary metastases from malignant melanoma: results of a 16-year experience, (ab), Pogrebniak HW; Stovroff M; Roth JA; et al, Radiology 1989; **170:** 583

response to chemotherapy does not predict survival after resection of sarcomatous pulmonary metastases, (ab), Lanza LA; Putnam JB Jr; Benjamin RS; et al, Radiology 1991; **181:** 909

scintigraphic detection of ossific mediastinal and pulmonary metastases in osteosarcoma, Brady AP; Ennis JT, Br J Radiol 1990; **63:** 978

selection factors resulting in improved survival after surgical resection of tumors metastatic to the lungs, (ab), Marincola FM; Mark JBD, Radiology 1991; **180:** 293

small nodular lesions in the lung periphery: new approach to diagnosis with CT, Mori K; Saitou Y; Tominaga K; Yokoi K; Miyazawa N; Okuyama A; Sasagawa M, Radiology 1990; **177:** 843

surgical resection of pulmonary metastases from colorectal cancer: 10-year follow-up, (ab), Goya T; Miyazawa N; Kondo H; et al, Radiology 1990; **175:** 289

Tc-99m HIDA hepatobiliary agent in the diagnosis of pulmonary metastasis from hepatocellular carcinoma, Wang P-W; Tai D-I; Chen H-Y, Clin Nucl Med 1991; **16:** 120

Lung neoplasms, staging

can computed tomography of the chest stage lung cancer? yes and no, (ab), Lewis JW Jr; Pearlberg JL; Beute GH; et al, Radiology 1990; **177:** 891

computed tomography to stage lung cancer: approaching a controversy using meta-analysis, (ab), Dales RE; Stark RM; Raman S, Radiology 1990; **177:** 890

correlation study of bone scanning with clinical and laboratory findings in the staging of nonsmall-cell lung cancer, Tornyos K; Garcia O; Karr B; et al, Clin Nucl Med 1991; **16:** 107

cost-effectiveness of CT scanning compared with mediastinoscopy in the preoperative staging of lung cancer, Eddy RJ, J Canad Assoc Radiol 1989; **40:** 189

CT and MR imaging in staging non–small cell bronchogenic carcinoma: report of the Radiologic Diagnostic Oncology Group, Webb WR; Gatsonis C; Zerhouni EA; Heelan RT; Glazer GM; Francis IR; McNeil BJ, Radiology 1991; **178:** 705

CT of bronchogenic carcinoma: indeterminate mediastinal invasion, McLoud TC, Radiology 1989; **173:** 15

current applications of imaging procedures in the patient with lung cancer, Bragg DG, Int J Radiat Oncol Biol Phys 1991; **21:** 847

current uses of CT and MR imaging in the staging of lung cancer, Templeton PA; Caskey CI; Zerhouni EA, Radiol Clin North Am 1990; **28:** 631

efficacy of computed tomography of the thorax and upper abdomen and whole-body gallium scintigraphy for staging of lung cancer, (ab), MacMahon H; Scott W; Ryan JW; et al, Radiology 1990; **175:** 588

imaging in primary-lung cancer: the roles of detection, staging, and follow-up, Bragg DG, Semin US CT MR 1989; **10:** 453

lung cancer staging, Stitik FP; DiSantis DJ, Semin Roentgenol 1990; **25:** 34

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Ranade SS; Trivedi PN; Bamane VS, Radiology 1990; **174:** 284

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Glazer GM; Orringer MB; Chenevert TL, Radiology 1990; **174:** 285

noninvasive staging of lung cancer: indications and limitations of gallium-67 citrate imaging, Bekerman C; Caride VJ; Hoffer PB; et al, Radiol Clin North Am 1990; **28:** 497

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

staging of lung cancer, Stitik FP, Radiol Clin North Am 1990; **28:** 619

superior sulcus tumors: CT and MR imaging, Heelan RT; Demas BE; Caravelli JF; Martini N; Bains MS; McCormack PM; Burt M; Panicek DM; Mitzner A, Radiology 1989; **170:** 637

T1N0M0 lung cancer: evaluation with CT, Conces DJ Jr; Klink JF; Tarver RD; Moak GD, Radiology 1989; **170:** 643

tumor invasion of the chest wall and mediastinum in lung cancer: evaluation with pneumothorax CT, Yokoi K; Mori K; Miyazawa N; Saito Y; Okuyama A; Sasagawa M, Radiology 1991; **181:** 147

value of mediastinoscopy in preoperative staging of bronchogenic carcinoma, (ab), Van Schil PEY; Van Hee RHGG; Schoofs ELG, Radiology 1989; **173:** 591

Lung neoplasms, surgery

aggressive surgical intervention in N2 non-small cell cancer of the lung, (ab), Watanabe Y; Shimizu J; Oda M; et al, Radiology 1991; **181:** 611

comparison of surgery and radiation therapy for non-small cell carcinoma of the lung with mediastinal metastasis, Durci ML; Komaki R; Oswald MJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 629

Pancoast tumor: radiation therapy alone versus preoperative radiation therapy and surgery, Neal CR; Amdur RJ; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 651

results of surgical treatment of patients with T3 non-small cell lung cancer, (ab), Nakahashi H; Yasumoto K; Ishida T; et al, Radiology 1989; **171:** 291

strategy for lymphadenectomy in lung cancer three centimeters or less in diameter, (ab), Ishida T; Yano T; Maeda K; et al, Radiology 1991; **181:** 292

surgery in small cell lung cancer, (ab), Graham BL; Balducci L; Khansur T; et al, Radiology 1989; **170:** 582

surgical management of lung cancer with solitary cerebral metastasis, (ab), Hankins JR; Miller JE; Salcman M; et al, Radiology 1989; **170:** 583

surgical treatment of bronchogenic carcinoma: a retrospective study of 720 thoracotomies, (ab), Deneffe G; Lacquet LM; Verbeken E; et al, Radiology 1989; **170:** 582

survival after conservative resection for T1 N0 M0 non-small cell lung cancer, (ab), Read RC; Yoder G; Schaeffer RC, Radiology 1990; **177:** 891

tracheal sleeve pneumonectomy for bronchogenic carcinoma: report of 55 cases, (ab), Dartevelle PG; Khalife J; Chapelier A; et al, Radiology 1989; **170:** 583

Lung neoplasms, therapeutic radiology

alternating radiotherapy and chemotherapy in 173 consecutive patients with limited small cell lung carcinoma, Arriagada R; le Chevalier T; Ruffie P; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1135

astro plenary: interfraction interval is a major determinant of late effects, with hyperfractionated radiation therapy of carcinomas of upper respiratory and digestive tracts: results from radiation therapy oncology group protocol 8313, Cox JD; Pajak TF; Marcial VA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1191

comparison of surgery and radiation therapy for non-small cell carcinoma of the lung with mediastinal metastasis, Durci ML; Komaki R; Oswald MJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 629

concurrent radiotherapy and carboplatin in non small-cell lung cancer: a pilot study using conventional and accelerated fractionation, Ball D; Bishop J; Crennan E; et al, Australas Radiol 1991; **35:** 66

curative radiotherapy in non-small cell carcinoma of the lung, Talton BM; Constable WC; Kersh CR, Int J Radiat Oncol Biol Phys 1990; **19:** 15

development of distant pulmonary infiltrates following thoracic irradiation: the role of computed tomography with dosimetric reconstruction in diagnosis, Wechsler RJ; Ayyangar K; Steiner RM; et al, Comput Med Imag Graph 1990; **14:** 43

effect of arterial oxygen content on the results of radiation therapy for epidermoid bronchogenic carcinoma, Sasai K; Ono K; Hiraoka M; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1477

effect of postoperative radiotherapy on changes in pulmonary function in patients with stage II and IIIA lung carcinoma, Choi NC; Kanarek DJ; Grillo HC, Int J Radiat Oncol Biol Phys 1990; **18:** 95

endobronchial irradiation for malignant airway obstruction, Mehta MP; Shahabi S; Jarjour NN; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 847

endobronchial radiation therapy (EBRT) in the management of lung cancer, Roach M III; Leidholdt EM Jr; Tatera BS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1449

flow cytometric analysis of tumour DNA profile related to response to radiotherapy and survival in inoperable lung cancer, Ojala A; Kallioniemi O-P; Wigren T; et al, Acta Oncol 1990; **29:** 983

hyperfractionated radiotherapy alternating with multidrug chemotherapy in the treatment of limited small cell lung cancer (SCLC), Mornex F; Trillet V; Chauvin F; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 23

importance of radiation dose in achieving improved loco-reginal tumor control in limited stage small-cell lung carcinoma: an update, Choi NC; Carey RW, Int J Radiat Oncol Biol Phys 1989; **17:** 307

induction chemo-radiotherapy and maintenance alternating chemotherapy for small cell lung cancer, Tummarello D; Guidi F; Torresi U; et al, Acta Oncol 1990; **29:** 417

influence of tumor size and pre-treatment staging on outcome following radiation therapy alone for stage I non-small cell lung cancer, Sandler HM; Curran WJ Jr; Turrisi AT III, Int J Radiat Oncol Biol Phys 1990; **19:** 9

intermediate dose rate remote afterloading brachytherapy for intraluminal control of bronchogenic carcinoma, Speiser B; Spratling L, Int J Radiat Oncol Biol Phys 1990; **18:** 1443

intraoperative radiation therapy combined with external irradiation in nonresectable non-small-cell lung cancer: preliminary report, Juettner FM; Arian-Schad K; Porsch G; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1143

intraoperative radiotherapy during lung cancer surgery: technical description and early clinical results, Calvo FA; Ortiz de Urbina D; Abuchaibe O; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 103

irradiation synchronized with respiration gate, Ohara K; Okumura T; Akisada M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 853

limited small cell lung cancer: prognostic significance of a complete response to the induction phase of chemotherapy followed by thoracic irradiation, Armstrong JG; Rosenstein MM; Scher HI; Fass DE; Zelefsky MJ; Kris MG, Radiology 1991; **178:** 875

limited small cell lung cancer: the effect of radiotherapy on local control following response to chemotherapy, Ngan S; Ball D; Bull C; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 459

local failure in patients treated with radiotherapy and multidrug chemotherapy for small cell lung cancer, Brodin O; Rikner G; Steinholtz L; et al, Acta Oncol 1990; **29:** 739

localized adenocarcinoma of the lung: a retrospective study of 186 non-metastatic patients from the French Federation of Cancer Institutes—the Radiotherapy Cooperative Group, Malissard L; Nguyen TD; Jung GM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 369

N_2 (clinical) non-small cell carcinoma of the lung: prospective trials of radiation therapy with total doses 60 Gy by the radiation therapy oncology group, Cox JD; Azarnia N; Byhardt RW; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 7

new applicator, positionable to the center of tracheobronchial lumen for HDR-IR-192-afterloading of tracheobronchial tumors, Fritz P; Schraube P; Becker HD; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1061

optimization of radical radiotherapy with beam's eye view techniques for non-small cell lung cancer, Vijayakumar S; Myrianthopoulos LC; Rosenberg I; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 779

Pancoast tumor: radiation therapy alone versus preoperative radiation therapy and surgery, Neal CR; Amdur RJ; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 651

pitfalls in the use of high energy x rays to treat tumors in the lung, Ekstrand KE; Barnes WH, Int J Radiat Oncol Biol Phys 1990; **18:** 249

preoperative radiation therapy in regionally localized stage III non-small cell lung carcinoma: long-term results and patterns of failure, Reddy S; Faber LP; Baumann LA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 287

pre-treatment prognostic factors in stage III non-small cell lung cancer patients receiving combined modality treatment, Bonomi P; Gale M; Rowland K; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 247

prophylactic cranial irradiation for lung cancer patients at high risk for development of cerebral metastasis: results of a prospective randomized trial conducted by the Radiation Therapy Oncology Group, Russell AH; Pajak TE; Selim HM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 637

pulmonary tumor associated with diffuse bilateral lung uptake of bone imaging agent, Antar MA; Mack JM; Spencer RP; et al, Clin Nucl Med 1990; **15:** 46

radiation response of human lung cancer cells with inherent and acquired resistance to cisplatin, Twentyman PR; Wright KA; Rhodes T, Int J Radiat Oncol Biol Phys 1991; **20:** 217

radiation therapy alone or combined with misonidazole in the treatment of locally advanced non-oat cell lung cancer: report of an RTOG prospective randomized trial, Simpson JR; Bauer M; Perez CA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1483

radiation therapy following resection of non-small cell bronchogenic carcinoma, Slater JD; Ellerbroek NA; Barkley HT Jr; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 945

radiation therapy for chest recurrences following induction chemotherapy in small cell lung cancer, Salazar OM; Yee GJ; Slawson RG, Int J Radiat Oncol Biol Phys 1991; **21:** 645

radiotherapy combined with low-dose cis-diammine dichloroplatinum (II) (CDDP) in inoperable nonmetastatic non-small cell lung cancer (NSCLC): a randomized three arm phase II study of the EORTC lung cancer and radiotherapy cooperative groups, Schaake-Koning C; Maat B; van Houtte P; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 967

resolution of hypertrophic pulmonary osteoarthropathy after radiotherapy in the absence of lung tumor response, Campeau RJ; Rosales OR; Garcia OM; et al, Clin Nucl Med 1989; **14:** 453

results of combination chemotherapy and thoracic radiation therapy for unresectable non-small cell carcinoma of the lung, Robinow JS; Shaw EG; Eagan RT; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1203

role of brachytherapy in the management of pulmonary and mediastinal malignancies, (ab), Lewis JW Jr; Ajlouni M; Kvale PA; et al, Radiology 1991; **178:** 292

superior sulcus tumors: treatment selection and results for 85 patients without metastasis (M_0) at presentation, Komaki R; Mountain CF; Holbert JM; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 31

thoracic radiotherapy variables: influence on local control in small cell lung cancer limited disease, Turrisi AT III; Glover DJ, Int J Radiat Oncol Biol Phys 1990; **19:** 1473

three-dimensional treatment planning for lung cancer, Emami B; Purdy JA; Manolis J; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 217

unresectable non-oat cell carcinoma of the lung: definitive radiation therapy, Mantravadi RVP; Gates JO; Crawford JN; Bajpai D; Trenkner JD; Jordan LN, Radiology 1989; **172:** 851

use of simultaneous radiotherapy and 5-fluorouracil in patients with inoperable squamous cell lung cancer, Kelly SA; MacLeod PM; Ash DV, Clin Radiol 1989; **40:** 311

Lung neoplasms, therapy

alternating radiotherapy and chemotherapy in 173 consecutive patients with limited small cell lung carcinoma, Arriagada R; le Chevalier T; Ruffie P; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1135

astro plenary: effect of chemotherapy on locally advanced non-small cell lung carcinoma: a randomized study of 353 patients, Arriagada R; le Chevalier T; Quoix E; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1183

bestatin as adjuvant treatment in operated stage I and stage II non-small cell lung cancer, Mouritzen C, Acta Oncol 1990; **29:** 817

bestatin in resected lung cancer: a randomized clinical trial, Yasumitsu T; Ohshima S; Nakano N; et al, Acta Oncol 1990; **29:** 827

chemotherapy and endocrine function in lung cancer, Aasebø U; Sløtdal L; Aanderud S; et al, Acta Oncol 1989; **28:** 667

clinical assessment of therapeutic effects on cancer using ^{18}F-2-fluoro-2-deoxy-D-glucose and positron emission tomography: preliminary study of lung cancer, Abe Y; Matsuzawa *T*; Fujiwara T; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1005

combination therapy with bestatin in inoperable lung cancer: a randomized trial, Takada M; Fukuoka M; Negoro S; et al, Acta Oncol 1990; **29:** 821

concurrent radiotherapy and carboplatin in non small-cell lung cancer: a pilot study using conventional and accelerated fractionation, Ball D; Bishop J; Crennan E; et al, Australas Radiol 1991; **35:** 66

current applications of imaging procedures in the patient with lung cancer, Bragg DG, Int J Radiat Oncol Biol Phys 1991; **21:** 847

effects of preoperative chemotherapy on the resectability of non-small cell lung carcinoma with mediastinal lymph node metastases (N2 M0), (ab), Martini N; Kris MG; Gralla RJ; et al, Radiology 1989; **170:** 582

five-day continuous infusion of cisplatin and etoposide in non-small cell lung cancer: a phase II trial, Marechal F; Berthiot G; Cattan A, Acta Oncol 1990; **29:** 989

Fluosol® and oxygen breathing as an adjuvant to radiation therapy in the treatment of locally advanced non-small ceil carcinoma of the lung: results of a phase I/II study, Lustig R; Lowe N; Prosnitz L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 97

hospitalization during chemotherapy for small cell lung cancer, Bergman B; Sörenson S, Acta Oncol 1990; **29:** 977

hyperfractionated radiotherapy alternating with multidrug chemotherapy in the treatment of limited small cell lung cancer (SCLC), Mornex F; Trillet V; Chauvin F; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 23

importance of surgery to non-small cell carcinoma of lung with mediastinal lymph node metastasis, (ab), Naruke T; Goya T; Tsuchiya R; et al, Radiology 1989; **172:** 585

importance of surgical and multimodality treatment for small cell bronchial carcinoma, (ab), Karrer K; Shields TW; Denck H; et al, Radiology 1989; **173:** 290

induction chemo-radiotherapy and maintenance alternating chemotherapy for small cell lung cancer, Tummarello D; Guidi F; Torresi U; et al, Acta Oncol 1990; **29:** 417

limited small cell lung cancer: prognostic significance of a complete response to the induction phase of chemotherapy followed by thoracic irradiation, Armstrong JG; Rosenstein MM; Scher HI; Fass DE; Zelefsky MJ; Kris MG, Radiology 1991; **178:** 875

limited small cell lung cancer: the effect of radiotherapy on local control following response to chemotherapy, Ngan S; Ball D; Bull C; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 459

local failure in patients treated with radiotherapy and multidrug chemotherapy for small cell lung cancer, Brodin O; Rikner G; Steinholtz L; et al, Acta Oncol 1990; **29:** 739

low-dose continuous infusion cisplatin combined with external beam irradiation for advanced colorectal adenocarcinoma and unresectable non-small cell lung carcinoma, Ellerbroek NA; Fossella FV; Rich TA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 351

natural interferon-alpha alone and in combination with conventional therapies in non-small cell lung cancer: a pilot study, Niiranen A; Holsti LR; Cantell K; et al, Acta Oncol 1990; **29:** 927

Pancoast tumor: radiation therapy alone versus preoperative radiation therapy and surgery, Neal CR; Amdur RJ; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 651

preoperative chemotherapy and irradiation for stage III non-small cell lung cancer, (ab), Faber LP; Kittle CF; Warren WH; et al, Radiology 1990; **174:** 291

pre-treatment prognostic factors in stage III non-small cell lung cancer patients receiving combined modality treatment, Bonomi P; Gale M; Rowland K; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 247

prospective study of adjuvant surgical resection after chemotherapy for limited small cell lung cancer, (ab), Shepherd FA; Ginsberg RJ; Patterson GA; et al, Radiology 1989; **173:** 290

pulmonary lacunae: sequelae of metastases following chemotherapy, Charig MJ; Williams MP, Clin Radiol 1990; **42:** 93

quality of life during chemotherapy in non-small cell lung cancer patients, Fernandez C; Rosell R; Abad-Esteve A; et al, Acta Oncol 1989; **28:** 29

radiation therapy following resection of non-small cell bronchogenic carcinoma, Slater JD; Ellerbroek NA; Barkley HT Jr; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 945

radiation therapy for chest recurrences following induction chemotherapy in small cell lung cancer, Salazar OM; Yee GJ; Slawson RG, Int J Radiat Oncol Biol Phys 1991; **21:** 645

rapidly alternating radiotherapy and high dose cisplatin chemotherapy in stage IIIB non-small cell lung cancer: results of a phase I/II study, Gandara DR; Valone FH; Perez EA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1047

response to chemotherapy does not predict survival after resection of sarcomatous pulmonary metastases, (ab), Lanza LA; Putnam JB Jr; Benjamin RS; et al, Radiology 1991; **181:** 909

results of combination chemotherapy and thoracic radiation therapy for unresectable non-small cell carcinoma of the lung, Robinow JS; Shaw EG; Eagan RT; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1203

selection and surgical treatment options in carcinoma of the lung, Johnston MR, Semin Roentgenol 1990; **25:** 112

surgical resection of pulmonary metastases from colorectal cancer: 10-year follow-up, (ab), Goya T; Miyazawa N; Kondo H; et al, Radiology 1990; **175:** 289

treatment of small cell lung cancer: two-drug versus four-drug chemotherapy and loco-regional irradiation with or without prophylactic cranial irradiation, Niiranen A; Holsti P; Salmo M, Acta Oncol 1989; **28:** 501

tumor volume and treatment outcome in small cell lung carcinoma, Whitley NO; Belani CP; Aisner J; et al, Invest Radiol 1989; **24:** 581

use of simultaneous radiotherapy and 5-fluorouracil in patients with inoperable squamous cell lung cancer, Kelly SA; MacLeod PM; Ash DV, Clin Radiol 1989; **40:** 311

vincristine, doxorubicin and cyclophosphamide with and without etoposide in limited small cell lung cancer, Nikkanen V; Liippo K; Ojala A; et al, Acta Oncol 1990; **29:** 421

Lung neoplasms, US

lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717

Lupus erythematosus

antibody to cardiolipin causing hepatic infarction in a post partum patient with systemic lupus erythematosus, Young N; Wong KP, Australas Radiol 1991; **35:** 83

cavitary pulmonary nodules in atypical collagen disease and lupoid drug reaction: report of two cases, Muren C; Strandberg O, Acta Radiol 1989; **30:** 281

fatal outcome of pelvic radiotherapy for carcinoma of the cervix in a patient with systemic lupus erythematosis, Olivotto IA; Fairey RN; Gillies JH; et al, Clin Radiol 1989; **40:** 83

magnetic resonance imaging of central nervous system lesions in patients with lupus erythematosus: correlation with clinical remission and antineurofilament and anticardiolipin antibody titers, (ab), Bell CL; Partington C; Robbins M; et al, Radiology 1991; **181:** 616

pulmonary hemorrhage in patients with systemic lupus erythematosus, Onomura K; Nakata H; Tanaka Y; et al, J Thorac Imag 1991; **6-2:** 57

ruptured hepatic artery aneurysms in a patient with systemic lupus erythematosus: case report, Trambert J; Reinitz E; Buchbinder S, Cardiovasc Intervent Radiol 1989; **12:** 32

Lyme disease

bone scan abnormalities in a child with Lyme disease, De Nef JJEM; Van der Vis-Melsen M, Clin Nucl Med 1990; **15:** 727

scintigraphic evaluation of Lyme disease: gallium-67 imaging of Lyme myositis, Kengen RAM; vd Linde M; Sprenger HG; et al, Clin Nucl Med 1990; **14:** 728

triple-phase bone image abnormalities in Lyme arthritis, Brown SJ; Dadparvar S; Slizofski WJ; et al, Clin Nucl Med 1990; **14:** 730

Lymphangiography

See Lymphography

Lymphangioma

case report 569, Sanchez RB; Quinn SF; Walling A; et al, Skeletal Radiol 1989; **18:** 485

computed tomography in the diagnosis of lymphangiomas in infants and children, Caro PA; Mahboubi S; Faerber EN, Clin Imag 1991; **15:** 41

computed tomography of cystic lymphangioma in a wandering spleen, Alerci M; Dore R, Acta Radiol 1990; **31:** 589

cystic lymphangioma of the pelvis in childhood, Hoeffel JC; Marchal AL; Pierre E; et al, Br J Radiol 1990; **63:** 813

lymphangioma of the retroperitoneum: CT and sonographic characteristics, Davidson AJ; Hartman DS, Radiology 1990; **175:** 507

lymphangiomas in children: MR imaging, Siegel MJ; Glazer HS; St. Amour TE; Rosenthal DD, Radiology 1989; **170:** 467

neck and thorax venous aneurysm: association with cystic hygroma, Joseph AE; Donaldson JS; Reynolds M, Radiology 1989; **170:** 109

orbital lymphangiomas: clinical, radiologic, and pathologic characteristics, Graeb DA; Rootman J; Robertson WD; Lapointe JS; Nugent RA; Hay EJ, Radiology 1990; **175:** 417

pancreatic lymphangioma: CT, MRI, and angiographic features, Salimi Z; Fishbein M; Wolverson MK; et al, Gastrointest Radiol 1991; **16:** 248

pediatric case of the day, Buonomo C; Griscom NT, Radiographics 1991; **11:** 1146

retroperitoneal cystic lymphangioma: section imaging in two cases, and review of the literature, Feldberg MA; Hendriks AV; Van Leeuwen MS; et al, Clin Imag 1990; **14:** 26

splenic lymphangioma: report of two cases, Tsurui N; Ishida H; Morikawa P; et al, JCU 1991; **19:** 244

Lymphangiomatosis

cranial lymphangiomatosis causing CSF otorrhea and recurrent meningitis: CT features, Nazarian GK; Gebarski SS; Niparko JK, JCAT 1990; **14:** 121

CT and MR imaging in cystic abdominal lymphangiomatosis, Cutillo DP; Swayne LC; Cucco J; et al, JCAT 1989; **13:** 534

lymphangiomyomatosis—immunohistochemical analysis of a case presenting with enlarged inguinal lymph nodes and without pulmonary involvement, Osterborg A; Christensson B; Silfverswärd C; et al, Acta Oncol 1989; **28:** 287

pulmonary lymphangioleiomyomatosis: CT findings, Sherrier RH; Chiles C; Roggli V, AJR 1989; **153:** 937

Lymphangiomyomatosis

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

pulmonary lymphangiomyomatosis: correlation of CT with radiographic and functional findings, Müller NL; Chiles C; Kullnig P, Radiology 1990; **175:** 335

Lymphatic system

lymph nodes of the posterior iliac crest: CT and lymphographic observations, Castellino RA, Radiology 1990; **175:** 687

microradiographic demonstration of human intrarenal microlymphatic pathways, Cuttino JT Jr; Clark RL; Jennette JC, Urol Radiol 1989; **11:** 83

size of normal hilar lymph nodes measured in autopsy specimens, Kiyono K; Sone S; Izuno I; et al, Acta Radiol 1989; **30:** 471

strategy for lymphadenectomy in lung cancer three centimeters or less in diameter, (ab), Ishida T; Yano T; Maeda K; et al, Radiology 1991; **181:** 292

upper abdominal lymph nodes: criteria for normal size determined with CT, Dorfman RE; Alpern MB; Gross BH; Sandler MA, Radiology 1991; **180:** 319

Lymphatic system, abnormalities

developmental lymphatic disorders of the thorax, Scalzetti EM; Heitzman ER; Groskin SA; Randall PA; Katzenstein A-LA, Radiographics 1991; **11:** 1069

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

lymphadenopathy in primary biliary cirrhosis: CT observations, Outwater E; Kaplan MM; Bankoff MS, Radiology 1989; **171:** 731

lymphadenopathy in primary biliary cirrhosis: CT observations, Kathrein H; Judmaier G; Vogel W, Radiology 1990; **175:** 285

Lymphatic system, angiography

interstitial lymphangiography: initial clinical experience with a dimeric nonionic contrast agent, Weissleder H; Weissleder R, Radiology 1989; **170:** 371

lymphatic system: diagnositc imaging studies, Weissleder R; Thrall JH, Radiology 1989; **172:** 315

Lymphatic system, biopsy

pelvic cancers: staging of 139 cases with lymphography and fine-needle aspiration biopsy, Chagnon S; Cochand-Priollet B; Gzaeil M; Jacquenod P; Roger B; Boccon-Gibod L; Blery M, Radiology 1989; **173:** 103

percutaneous lymph node biopsy, Lawrence DD; Carrasco CH; Fornage B; et al, Cardiovasc Intervent Radiol 1991; **14:** 55

ultrasound-guided aspiration cytology of enlarged lymph nodes, Tikkakoski T; Siniluoto T; Ollikainen A; et al, Acta Radiol 1991; **32:** 53

Lymphatic system, calcification

calcification of axillary lymph nodes following BCG vaccination, Burdeny DA; Reed MH; Ferguson CA, J Canad Assoc Radiol 1989; **40:** 92

calcified hilar and mediastinal lymph nodes in an AIDS patient with *Pneumocystis carinii* infection, Groskin SA; Massi AF; Randall PA, Radiology 1990; **175:** 345

Lymphatic system, CT

abdominal lymphadenopathy: spectrum of CT findings, Einstein DM; Singer AA; Chilcote WA; Desai RK, Radiographics 1991; **11:** 457

accuracy of CT in detecting squamous carcinoma metastases in cervical lymph nodes, Carvalho P; Baldwin D; Carter R; et al, Clin Radiol 1991; **44:** 79

biliary carcinoma: CT evaluation of extrahepatic spread, Engels JT; Balfe DM; Lee JKT, Radiology 1989; **172:** 35

case report: computed tomography and magnetic resonance imaging of dilated lumbar lymphatic trunks, Williams MP; Olliff JFC, Clin Radiol 1989; **40:** 321

cervical lymph node metastasis: assessment of radiologic criteria, van den Brekel MWM; Stel HV; Castelijns JA; Nauta JJP; van der Waal I; Valk J; Meyer CJLM; Snow GB, Radiology 1990; **177:** 379

contrast enhancement of pathologic lymph nodes demonstrated by computed tomography, Magnusson A; Andersson T; Larsson B; et al, Acta Radiol 1989; **30:** 307

CT of mediastinal lymph nodes in patients with non-small cell lung carcinoma, Aronchick JM, Radiol Clin North Am 1990; **28:** 573

CT-pathologic correlation of axillary lymph nodes in breast carcinoma, March DE; Wechsler RJ; Kurtz AB; et al, JCAT 1991; **15:** 440

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

diffuse CT contrast enhancement of cervical lymph nodes in angioimmunoblastic lymphadenopathy, Locksmith JP; Brannon MH, JCAT 1991; **15:** 703

intrathoracic lymph node evaluation by CT and MRI with histopathologic correlation in non-small cell bronchogenic carcinoma, Georgian D; Rice TW; Mehta AC; et al, Clin Imag 1990; **14:** 35

lymphadenopathy in primary biliary cirrhosis: CT observations, Outwater E; Kaplan MM; Bankoff MS, Radiology 1989; **171:** 731

lymphadenopathy in primary biliary cirrhosis: CT observations, Kathrein H; Judmaier G; Vogel W, Radiology 1990; **175:** 285

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

lymph nodes of the posterior iliac crest: CT and lymphographic observations, Castellino RA, Radiology 1990; **175:** 687

normal lymph node size in the mediastinum: a retrospective study in two patient groups, Ingram CE; Belli AM; Lewars MD; et al, Clin Radiol 1989; **40:** 35

retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS, Radiology 1990; **174:** 59

sarcoidosis: abdominal manifestations at CT, Britt AR; Francis IR; Glazer GM; Ellis JH, Radiology 1991; **178:** 91

significance of necrotic mediastinal lymph nodes on CT in patients with newly diagnosed Hodgkin disease, Hopper KD; Diehl LF; Cole BA; et al, AJR 1990; **155:** 267

subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J, Radiology 1990; **177:** 133

supraclavicular lymph node metastases in carcinoma of the esophagus and gastroesophageal junction: assessment with CT, US, and US-guided fine-needle aspiration biopsy, van Overhagen H; Laméris JS; Berger MY; van der Voorde F; Tilanus HW; Klooswijk AIJ; Zonderland HM; van Pel R, Radiology 1991; **179:** 155

Lymphatic system, diseases

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

case of the month: common symptom: uncommon cause, Tung KT; Wilson GF, Br J Radiol 1989; **62:** 1029

interstitial lymphangiography: initial clinical experience with a dimeric nonionic contrast agent, Weissleder H; Weissleder R, Radiology 1989; **170:** 371

lymphatic system: diagnositc imaging studies, Weissleder R; Thrall JH, Radiology 1989; **172:** 315

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

pulmonary lymphoproliferative disorders, Epstein DM; Glickstein MF, Radiol Clin North Am 1989; **27:** 1077

renal peripelvic lymphangiectasia: appearance at CT, Murray KK; McLellan GL, Radiology 1991; **180:** 455

retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS, Radiology 1990; **174:** 59

sarcoidosis: abdominal manifestations at CT, Britt AR; Francis IR; Glazer GM; Ellis JH, Radiology 1991; **178:** 91

silicone lymphadenopathy associated with augmentation mammaplasty: morphologic features of nine cases, (ab), Truong LD; Cartwright J Jr; Goodman MD; et al, Radiology 1989; **170:** 296

sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman disease), McAlister WH; Herman T; Dehner LP, Pediatr Radiol 1990; **20:** 425

ultrasonography of cervical lymphadenopathy in a patient with Kikuchi's disease, Ogawa M; Ueda S; Ohto M; et al, Acta Radiol 1991; **32:** 260

Lymphatic system, flow dynamics

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

Lymphatic system, hyperplasia

angiolymphoid hyperplasia with eosinophilia: a case report and review of the literature, (ab), Calhoun KH; Newton RC; Sanchez RL, Radiology 1989; **172:** 589

Canale-Smith syndrome: chronic pseudomalignant lymphadenopathy, Malzberg MS; Haller JO; Snieckus PJ; et al, JCU 1991; **19:** 172

lymphoid follicular hyperplasia in excluded colonic segments: a radiologic sign of diversion colitis, Lechner GL; Frank W; Jantsch H; Pichler W; Hall DA; Waneck R; Wunderlich M, Radiology 1990; **176:** 135

mesenteric giant lymph node hyperplasia—report of a case and review of the literature, Lee JPK; Ngai RLC, Australas Radiol 1990; **34:** 162

radiation therapy in the management of giant lymph node hyperplasia, Sethi T; Joshi K; Sharma SC; et al, Br J Radiol 1990; **63:** 648

Lymphatic system, infection

disseminated lymphatic tuberculosis in acquired immunodeficiency syndrome: computed tomography findings, Perich J; Ayuso MC; Vilana R; et al, J Canad Assoc Radiol 1990; **41:** 353

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

Lymphatic system, interventional procedure

lymphoceles: percutaneous treatment with povidone-iodine sclerosis, Gilliland JD; Spies JB; Brown SB; Yrizarry JM; Greenwood LH, Radiology 1989; **171:** 227

Lymphatic system, MR

case report: computed tomography and magnetic resonance imaging of dilated lumbar lymphatic trunks, Williams MP; Olliff JFC, Clin Radiol 1989; **40:** 321

cervical lymph node metastasis: assessment of radiologic criteria, van den Brekel MWM; Stel HV; Castelijns JA; Nauta JJP; van der Waal I; Valk J; Meyer CJLM; Snow GB, Radiology 1990; **177:** 379

controversy in the MR imaging appearance of fibrosis, Lee JKT; Glazer HS, Radiology 1990; **177:** 21

experimental lymph node metastases: enhanced detection with MR lymphography, Weissleder R; Elizondo G; Josephson L; Compton CC; Fretz CJ; Stark DD; Ferrucci JT, Radiology 1989; **171:** 835

intrathoracic lymph node evaluation by CT and MRI with histopathologic correlation in non-small cell bronchogenic carcinoma, Georgian D; Rice TW; Mehta AC; et al, Clin Imag 1990; **14:** 35

lymphangiomas in children: MR imaging, Siegel MJ; Glazer HS; St. Amour TE; Rosenthal DD, Radiology 1989; **170:** 467

lymph nodes: microstructural anatomy at MR imaging, Lee AS; Weissleder R; Brady TJ; Wittenberg J, Radiology 1991; **178:** 519

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Ranade SS; Trivedi PN; Bamane VS, Radiology 1990; **174:** 284

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Glazer GM; Orringer MB; Chenevert TL, Radiology 1990; **174:** 285

retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS, Radiology 1990; **174:** 59

ultrasmall superparamagnetic iron oxide: an intravenous contrast agent for assessing lymph nodes with MR imaging, Weissleder R; Elizondo G; Wittenberg J; Lee AS; Josephson L; Brady TJ, Radiology 1990; **175:** 494

Lymphatic system, neoplasms

abdominal lymphadenopathy: spectrum of CT findings, Einstein DM; Singer AA; Chilcote WA; Desai RK, Radiographics 1991; **11:** 457

accuracy of CT in detecting squamous carcinoma metastases in cervical lymph nodes, Carvalho P; Baldwin D; Carter R; et al, Clin Radiol 1991; **44:** 79

biliary carcinoma: CT evaluation of extrahepatic spread, Engels JT; Balfe DM; Lee JKT, Radiology 1989; **172:** 35

case report: cystic lymph node metastasis from occult thyroid carcinoma: a sonographic mimic of a branchial cleft cyst, Loughran CF, Clin Radiol 1991; **43:** 213

cervical carcinoma: treatment results and complications of extended-field irradiation, Gaspar LE; Cheung AYC; Allen HH, Radiology 1989; **172:** 271

CT of mediastinal lymph nodes in patients with non-small cell lung carcinoma, Aronchick JM, Radiol Clin North Am 1990; **28:** 573

diagnostic imaging of abdominal and pelvic lymph nodes in lymphoma, Jing B-S, Radiol Clin North Am 1990; **28:** 801

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; **181:** 342

enlargement of regional lymph nodes in renal cell carcinoma is often not due to metastases, (ab), Studer UE; Scherz S; Scheidegger J; et al, Radiology 1991; **178:** 589

evaluation of abdominal lymph nodes by ultrasound, Smeets AJ; Zonderland HM; van der Voorde F; et al, J Ultrasound Med 1990; **9:** 325

experimental lymph node metastases: enhanced detection with MR lymphography, Weissleder R; Elizondo G; Josephson L; Compton CC; Fretz CJ; Stark DD; Ferrucci JT, Radiology 1989; **171:** 835

extra-CNS metastases of glioblastoma: CT and MR studies, Trattnig S; Schindler E; Ungersböck K; et al, JCAT 1990; **14:** 294

fine-needle aspiration of inguinal lymph nodes in gynecologic practice, (ab), Crosby JH; Bryan AB; Gallup DG, Radiology 1989; **172:** 885

histologic differentiation, cancer volume, and pelvic lymph node metastasis in adenocarcinoma of the prostate, (ab), McNeal JE; Villers AA; Redwine EA; et al, Radiology 1991; **179:** 294

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

in vivo tracing of indium-111 oxine-labeled human peripheral blood mononuclear cells in patients with lymphatic malignancies, Müller C; Zielinski CC; Linkesch W, J Nucl Med 1989; **30:** 1005

lymphatic vessel invasion is an independent prognostic factor for survival in colorectal cancer, Minsky BD; Mies C; Rich TA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 311

lymph nodes of the posterior iliac crest: CT and lymphographic observations, Castellino RA, Radiology 1990; **175:** 687

massive abdominal lymph node metastases in hepatocellular carcinoma, Pombo F, Acta Radiol 1991; **32:** 88

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

mediastinal lymph node metastases from nonsmall cell bronchogenic carcinoma: reevaluation with CT, Ikezoe J; Kadowaki K; Morimoto S; et al, JCAT 1990; **14:** 340

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Ranade SS; Trivedi PN; Bamane VS, Radiology 1990; **174:** 284

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Glazer GM; Orringer MB; Chenevert TL, Radiology 1990; **174:** 285

mediastinal spread of metastatic lymph nodes in bronchogenic carcinoma: mediastinal nodal metastases, (ab), Watanabe Y; Shimizu J; Tsubota M; et al, Radiology 1990; **177:** 596

metastatic carcinoma in the cervical lymph nodes from an occult primary: a conservative approach to the role of radiotherapy, Glynne-Jones RGT; Anand AK; Young TE; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 289

occult metastatic neck disease: detection with US and US-guided fine-needle aspiration cytology, van den Brekel MWM; Castelijns JA; Stel HV; Luth WJ; Valk J; van der Waal I; Snow GB, Radiology 1991; **180:** 457

ossifying metastasis in lymph nodes and other bones in osteosarcoma, Saha MM; Kapoor R, Pediatr Radiol 1989; **20:** 97

osteosarcoma—presumed lymph node metastases in two cases, English R; Dicks-Mireaux C; Malone M; et al, Skeletal Radiol 1989; **18:** 289

pelvic cancers: staging of 139 cases with lymphography and fine-needle aspiration biopsy, Chagnon S; Cochand-Priollet B; Gzaeil M; Jacquenod P; Roger B; Boccon-Gibod L; Blery M, Radiology 1989; **173:** 103

preoperative staging of esophageal cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Urmacher C; Brennan MF, Radiology 1991; **181:** 419

preoperative staging of gastric cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Winawer SJ; Urmacher C; Brennan MF, Radiology 1991; **181:** 426

psoas nodes—an overlooked site of metastasis from testicular tumours, Williams MP; Cook JV; Duchesne GM, Clin Radiol 1989; **40:** 607

retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS, Radiology 1990; **174:** 59

role of magnetic resonance imaging and computed tomography in the treatment evaluation of retroperitoneal lymph-node metastases of non-seminomatous testicular tumors, Hogeboom WR; Hoekstra HJ; Mooyaart EL; et al, Eur J Radiol 1991; **13:** 31

significance of ipsilateral mediastinal lymph node metastasis (N2 disease) in non-small cell carcinoma of the lung: a commentary, (ab), Shields TW, Radiology 1990; **176:** 886

silicone lymphadenopathy associated with augmentation mammaplasty: morphologic features of nine cases, (ab), Truong LD; Cartwright J Jr; Goodman MD; et al, Radiology 1989; **170:** 296

supraclavicular lymph node metastases in carcinoma of the esophagus and gastroesophageal junction: assessment with CT, US, and US-guided fine-needle aspiration biopsy, van Overhagen H; Laméris JS; Berger MY; van der Voorde F; Tilanus HW; Klooswijk AIJ; Zonderland HM; van Pel R, Radiology 1991; **179:** 155

surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607

ultrasmall superparamagnetic iron oxide: an intravenous contrast agent for assessing lymph nodes with MR imaging, Weissleder R; Elizondo G; Wittenberg J; Lee AS; Josephson L; Brady TJ, Radiology 1990; **175:** 494

ultrasonographic evaluation of cervical lymph node metastases in esophageal cancer with special reference to the relationship betwen the short to long axis ratio (S/L) and the cancer content, Tohnosu N; Onoda S; Isono K, JCU 1989; **17:** 101

Lymphatic system, radionuclide studies

gallium scan finding in a patient with suppurative lymphangitis secondary to sporotrichosis, Yip T-CK; Houle S; Mathewson J, Clin Nucl Med 1989; **14:** 144

interstitial lymphangiography: initial clinical experience with a dimeric nonionic contrast agent, Weissleder H; Weissleder R, Radiology 1989; **170:** 371

lymphangioscintigraphy in AIDS-associated Kaposi sarcoma, Witte MH; Fiala M; McNeill GC; et al, AJR 1990; **155:** 311

lymphatic system: diagnositc imaging studies, Weissleder R; Thrall JH, Radiology 1989; **172:** 315

lymphoscintigraphy and lymphedema of the lower extremities, Rijke AM; Croft BY; Johnson RA; et al, J Nucl Med 1990; **31:** 990

lymphoscintigraphy for cystic hygroma, Boxen I; Zhang ZM; Filler RM, J Nucl Med 1990; **31:** 516

new simplified lymphoscintigraphic technique in patients with breast cancer, Terui S; Yamamoto H, J Nucl Med 1989; **30:** 1198

potential of 2-deoxy-2[^{18}F]fluoro-D-glucose (FDG) for the detection of tumor involvement in lymph nodes, Wahl RL; Kaminski MS; Ethier SP; et al, J Nucl Med 1990; **31:** 1831

significance of nodal uptake on indium 111 labeled leukocyte scans, Oates E; Staudinger KM; Gilbertson V, Clin Nucl Med 1989; **14:** 282

Tc-99m human serum albumin lymphoscintigraphy in lymphedema of the lower extremities, Nawaz MK; Hamad MM; Abdel-Dayem HM; et al, Clin Nucl Med 1990; **15:** 794

Tc-99m serum albumin lymphoscintigraphy of upper limbs, Nawaz K; Farag A; Shahtto NM; et al, Clin Nucl Med 1989; **14:** 384

use of lymphoscintigraphy in treatment planning of primary breast cancer, Hunt MA; Shank B; McCormick B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 597

whole-body lymphangioscintigraphy: preferred method for initial assessment of the peripheral lymphatic system, McNeill GC; Witte MH; Witte CL; Williams WH; Hall JN; Patton DD; Pond GD; Woolfenden JM, Radiology 1989; **172:** 495

Lymphatic system, therapeutic radiology

metastatic carcinoma in the cervical lymph nodes from an occult primary: a conservative approach to the role of radiotherapy, Glynne-Jones RGT; Anand AK; Young TE; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 289

prophylactic irradiation of the para-aortic lymph node chain in stage IIB and bulky stage IB carcinoma of the cervix, initial treatment results of RTOG 7920, Rotman M; Choi K; Guze C; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 513

radiation therapy in the management of giant lymph node hyperplasia, Sethi T; Joshi K; Sharma SC; et al, Br J Radiol 1990; **63:** 648

regional nodal irradiation in the conservative treatment of breast cancer, Haffty BG; Fischer D; Fischer JJ, Int J Radiat Oncol Biol Phys 1990; **19:** 859

total lymphoid irradiation preceding bone marrow transplantation for chronic myeloid leukaemia, James ND; Apperley JF; Kam KC; et al, Clin Radiol 1989; **40:** 195

Lymphatic system, US

evaluation of abdominal lymph nodes by ultrasound, Smeets AJ; Zonderland HM; van der Voorde F; et al, J Ultrasound Med 1990; **9:** 325

intra-arterial DSA and duplex-Doppler ultrasonography in detection of vascularized inguinal lymph node, Björk L; Levën H, Acta Radiol 1990; **31:** 106

occult metastatic neck disease: detection with US and US-guided fine-needle aspiration cytology, van den Brekel MWM; Castelijns JA; Stel HV; Luth WJ; Valk J; van der Waal I; Snow GB, Radiology 1991; **180:** 457

parasternal sonography of the internal mammary vessels: technique, normal anatomy, and lymphadenopathy, Scatarige JC; Hamper UM; Sheth S; Allen HA III, Radiology 1989; **172:** 453

sonography of abnormal lymph nodes in vitro: correlation of sonographic and histologic findings, Rubaltelli L; Proto E; Salmaso R; et al, AJR 1990; **155:** 1241

ultrasonographic evaluation of cervical lymph node metastases in esophageal cancer with special reference to the relationship betwen the short to long axis ratio (S/L) and the cancer content, Tohnosu N; Onoda S; Isono K, JCU 1989; **17:** 101

ultrasonography of cervical lymphadenopathy in a patient with Kikuchi's disease, Ogawa M; Ueda S; Ohto M; et al, Acta Radiol 1991; **32:** 260

ultrasound examination of lymph nodes in the hepatoduodenal ligament, Lyttkens K; Forsberg L; Hederström E, Br J Radiol 1990; **63:** 26

Lymphedema

arm edema after radiation therapy: host factors, Steinfeld AD, Radiology 1991; **180:** 18

arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J, Radiology 1991; **180:** 177

CT appearance of angiosarcoma associated with chronic lymphedema, Kazerooni E; Hessler C, AJR 1991; **156:** 543

differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ, Radiology 1991; **179:** 653

interstitial lymphangiography: initial clinical experience with a dimeric nonionic contrast agent, Weissleder H; Weissleder R, Radiology 1989; **170:** 371

lymphatic system: diagnositc imaging studies, Weissleder R; Thrall JH, Radiology 1989; **172:** 315

lymphedema of the lower extremities: evaluation by microcolloidal imaging, Intenzo CM; Desai AG; Kim SS; et al, Clin Nucl Med 1989; **14:** 107

lymphoscintigraphy and lymphedema of the lower extremities, Rijke AM; Croft BY; Johnson RA; et al, J Nucl Med 1990; **31:** 990

Tc-99m human serum albumin lymphoscintigraphy in lymphedema of the lower extremities, Nawaz MK; Hamad MM; Abdel-Dayem HM; et al, Clin Nucl Med 1990; **15:** 794

whole-body lymphangioscintigraphy: preferred method for initial assessment of the peripheral lymphatic system, McNeill GC; Witte MH; Witte CL; Williams WH; Hall JN; Patton DD; Pond GD; Woolfenden JM, Radiology 1989; **172:** 495

Lymph nodes

See Lymphatic system

Lymphocele

lymphoceles: percutaneous treatment with povidone-iodine sclerosis, Gilliland JD; Spies JB; Brown SB; Yrizarry JM; Greenwood LH, Radiology 1989; **171:** 227

lymphocele: the spectrum of scintigraphic findings in lymphoceles associated with renal transplant, Fortenbery EJ; Blue PW; Van Nostrand D; et al, J Nucl Med 1990; **31:** 1627

ultrasound case of the day, Warren LP Jr; Kliewer MA; Carroll BA, Radiographics 1991; **11:** 713

Lymphocytes

effects of 2.35-T MR imaging on natural killer cell cytotoxicity with and without interleukin-2, Prasad N; Lotzová E; Thornby JI; Taber KH, Radiology 1990; **175:** 261

inhibition of lymphocyte stimulation by shift reagents, Sze DY; Corbelletta NL; Shochat SJ; et al, Magn Res Med 1990; **13:** 14

in vivo traffic of indium-111-oxine labeled human lymphocytes collected by automated apheresis, Read EJ; Keenan AM; Carter CS; et al, J Nucl Med 1990; **31:** 999

sequential technetium-99m sulfur colloid/indium-111 white blood cell imaging in macroglobulinemia of Waldenstrom, Fink-Bennett D; Balon HR; Irwin R, Clin Nucl Med 1990; **15:** 389

Lymphography

case report: serious adverse reactions to patent blue violet at lymphography, Barber CJ, Clin Radiol 1989; **40:** 631

computed tomography of hepatic oil embolism following lymphangiography, Lorigan JG; Libshitz HI, Clin Radiol 1989; **40:** 259

does lymphangiography have any role in the management of early non-seminomatous germ cell tumours?, Harding M; Dall B; Corbett R; et al, Clin Radiol 1990; **41:** 392

hepatic oil embolism following lymphography: CT diagnosis, Delamarre J; Modaine P; Sevestre H; et al, JCAT 1991; **15:** 317

interstitial lymphangiography: initial clinical experience with a dimeric nonionic contrast agent, Weissleder H; Weissleder R, Radiology 1989; **170:** 371

lymphatic system: diagnositc imaging studies, Weissleder R; Thrall JH, Radiology 1989; **172:** 315

lymph nodes of the posterior iliac crest: CT and lymphographic observations, Castellino RA, Radiology 1990; **175:** 687

lymphographic accuracy in Hodgkin's disease and malignant lymphoma with a note on the "reactive" lymph node as a cause of most false-positive lymphograms, Castellino RA; Billingham M; Dorfman RF, Invest Radiol 1990; **25:** 412

lymphography—current role of oncology, Moskovic E; Fernando I; Blake P; et al, Br J Radiol 1991; **64:** 422

non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management, Pond GD; Castellino RA; Horning S; Hoppe RT, Radiology 1989; **170:** 159

pelvic cancers: staging of 139 cases with lymphography and fine-needle aspiration biopsy, Chagnon S; Cochand-Priollet B; Gzaeil M; Jacquenod P; Roger B; Boccon-Gibod L; Blery M, Radiology 1989; **173:** 103

role of bipedal lymphangiography in testicular seminoma, Lindeman GJ; Carr P; Tiver KW; et al, Australas Radiol 1990; **34:** 293

Lymphoma

See also Hodgkin disease

angiotropic (intravascular) large cell lymphoma: a clinocopathologic study of seven cases with unique clinical presentations, (ab), Stroup RM; Sheibani K; Moncada A; et al, Radiology 1991; **179:** 296

breast lymphoma: radiologic imaging and clinical appearances, Jackson FI; Lalani ZH, J Canad Assoc Radiol 1991; **42:** 48

Burkitt lymphoma involving the epididymis and spermatic cord: sonographic and CT findings, Zwanger-Mendelsohn S; Shreck EH; Doshi V, AJR 1989; **153:** 85

Burkitt's lymphoma in a patient previously treated for Hodgkin's disease, Robinson ACR; Khoury GG; Carney D, Br J Radiol 1989; **62:** 1089

calcification in non-Hodgkin lymphoma occurring before therapy: identification on plain films and CT, Lautin EM; Rosenblatt M; Friedman AC; et al, AJR 1990; **155:** 739

case of the month: a soldier with recurrent back pain, Barker PG; Raby ND, Br J Radiol 1991; **64:** 763

case of the month: the case of the surplus clues, Puri S; Sharma S; Baijal VN, Br J Radiol 1990; **63:** 227

case report 674, Corres J; Morales A; Saban J; et al, Skeletal Radiol 1991; **20:** 315

case report: non-Hodgkin's lymphoma confined to the adrenal glands presenting with Addison's disease, Khan S; Raby N; Michell M, Clin Radiol 1990; **42:** 63

case report of central nervous system lymphoma following immunosuppression, Ingram J; Benjamin CS, Australas Radiol 1989; **33:** 163

case report: renal lymphoma in a patient with Waldenstrom's macroglobulinaemia, Clifton AG; Baily GG, Clin Radiol 1991; **43:** 285

central nervous system lymphoma, Zimmerman RA, Radiol Clin North Am 1990; **28:** 697

clinico-pathological analysis of seventeen cases of non-Hodgkin's lymphoma involving the orbit, Liang R; Loke SL; Chiu E, Acta Oncol 1991; **30:** 335

CNS non-Hodgkin lymphoma in a patient previously treated for systemic Hodgkin disease, Angeid-Backman E; Quint DJ, AJNR 1990; **11:** 1254

computed tomographic features of primary brain lymphoma, Barsky MF; Coates RK; Macdonald DR, J Canad Assoc Radiol 1989; **40:** 80

computed tomography of rectal lymphoma, Carvalho P; Banerjee AK; Goodman A, JCAT 1990; **14:** 379

computed tomography of renal lymphoma, Cohan RH; Dunnick NR; Leder RA; et al, JCAT 1990; **14:** 933

conjunctival lymphoma: results and treatment with a single anterior electron field. a lens sparing approach, Dunbar SF; Linggood RM; Doppke KP; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 249

contextual diagnosis of Hodgkin's disease and non-Hodgkin's lymphoma, Osborne BM, Radiol Clin North Am 1990; **28:** 669

controversy in the MR imaging appearance of fibrosis, Lee JKT; Glazer HS, Radiology 1990; **177:** 21

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

CT features of primary cerebral lymphoma in AIDS and non-AIDS patients, Poon T; Matoso I; Tchertkoff V; et al, JCAT 1989; **13:** 6

CT in renal and perirenal lymphoma: a further look, Reznek RH; Mootoosamy I; Webb JAW; et al, Clin Radiol 1990; **42:** 233

CT of AIDS-related lymphoma, Townsend RR, AJR 1991; **156:** 969

CT of primary lymphoma of the liver, Sanders LM; Botet JF; Straus DJ; et al, AJR 1989; **152:** 973

current status of mediastinal sonography in the posttreatment evaluation of patients with lymphoma, Marglin SI; Laing FC; Castellino RA, AJR 1991; **157:** 469

cyclosporine-induced lymphoma following a unilateral lung transplant, Rappaport DC; Weisbrod GL; Herman SJ; et al, J Canad Assoc Radiol 1989; **40:** 110

diagnostic imaging of abdominal and pelvic lymph nodes in lymphoma, Jing B-S, Radiol Clin North Am 1990; **28:** 801

diffuse intraabdominal lymphoma complicating idiopathic myelofibrosis: CT demonstration, Goodman P; Kumar R; Alperin JB, AJR 1991; **156:** 1189

diseases of the chest in AIDS: CT diagnosis, Kuhlman JE; Fishman EK; Hruban RH; Knowles MC; Zerhouni EA; Siegelman SS, Radiographics 1989; **9:** 827

extranodal head and neck non-Hodgkin's lymphomas in children in Finland, Usenius T; Vornanen M; Kärjä J; et al, Acta Oncol 1990; **29:** 529

focal brain lesions on computed tomography in patients with acquired immune deficiency syndrome, Harrison PB; Clarke SD; Silver SF, J Canad Assoc Radiol 1990; **41:** 83

gastrointestinal lymphoma: sonographic findings in 54 patients, Goerg C; Schwerk WB; Goerg K, AJR 1990; **155:** 795

hepatic lymphoma in cyclosporine-treated transplant recipients: sonographic and CT findings, Honda H; Franken EA Jr; Barloon TJ; et al, AJR 1989; **152:** 501

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

interleukin-2 receptor levels in non-Hodgkin's lymphoma: correlation to histological degree of malignancy and presence of constitutional symptoms, Tangen JM; Abrahamsen AF; Østenstad B; et al, Acta Oncol 1990; **29:** 581

intramedullary non-Hodgkin's lymphoma of the spinal cord; a case report, Chung MEW; van Heesewijk JPM; Ramos LMP, Eur J Radiol 1991; **12:** 226

juxta-articular large cell lymphoma, Nghiem HV; Ellis BI; Haggar AM; et al, Skeletal Radiol 1990; **19:** 353

lobar primary pulmonary lymphoma: CT findings, Bosanko CMM; Korobkin M; Fantone JC; et al, JCAT 1991; **15:** 679

lung uptake on Tc-99m albumin colloid liver spleen scan and on Ga-67 scan in angiotropic lymphoma, Kacki MH; Joyce JM; Coupal JJ; et al, Clin Nucl Med 1990; **15:** 187

lymphographic accuracy in Hodgkin's disease and malignant lymphoma with a note on the "reactive" lymph node as a cause of most false-positive lymphograms, Castellino RA; Billingham M; Dorfman RF, Invest Radiol 1990; **25:** 412

lymphoid neoplasia associated with the acquired immunodeficiency syndrome (AIDS): the New York University Medical Center experience with 105 patients (1981-1986), (ab), Knowles DM; Chamulak GA; Subar M; et al, Radiology 1989; **170:** 295

lymphoma in a pelvic spleen: CT features, Dautenhahn LW; Rona G; Saperstein ML; et al, JCAT 1989; **13:** 1081

lymphoma in the immunocompromised patient, Haskal ZJ; Lindan CE; Goodman PC, Radiol Clin North Am 1990; **28:** 885

lymphoma in the wall of the bile ducts: radiologic imaging, Tartar VM; Balfe DM, Gastrointest Radiol 1990; **15:** 53

lymphoma of the appendix, Carpenter BW, Gastrointest Radiol 1991; **16:** 256

lymphoma of the breast, Paulus DD, Radiol Clin North Am 1990; **28:** 833

lymphoma of the genitourinary tract, Charnsangavej C, Radiol Clin North Am 1990; **28:** 865

lymphoma of the head and neck, De Peña CA; Van Tassel P; Lee Y-Y, Radiol Clin North Am 1990; **28:** 723

lymphoma of the hollow abdominal viscera, Dodd GD, Radiol Clin North Am 1990; **28:** 771

lymphoma of the solid abdominal viscera, Shirkhoda A; Ros PR; Farah J; et al, Radiol Clin North Am 1990; **28:** 785

lymphoma presenting as allograft hematoma in a renal transplant recipient, Olcott EW; Goldstein RB; Salvatierra O, J Ultrasound Med 1990; **9:** 239

lymphomatoid granulomatosis and malignant lymphoma of the central nervous system in the acquired immunodeficiency syndrome, (ab), Anders KH; Latta H; Chang BS; et al, Radiology 1989; **173:** 294

lymphomatous involvement of the trigeminal nerve and Meckel cave: CT and MR appearance, De Pena CA; Lee Y-Y; Van Tassel P, AJNR 1989; **10:** 515

lymphomatous polyposis of the colon, Davis M; Maxwell G; Gogel H; et al, Gastrointest Radiol 1989; **14:** 70

lymphoproliferative disorders of the thyroid gland: radiological appearances, Kasagi K; Hatabu H; Tokuda Y; et al, Br J Radiol 1991; **64:** 569

magnetic resonance imaging in extranodal pelvic lymphoma, Williams MP; Olliff JFC, Clin Radiol 1990; **42:** 264

malignancy associated with chronic empyema: radiologic assessment, Minami M; Kawauchi N; Yoshikawa K; Itai Y; Kokubo T; Iguchi M; Masuyama S; Takeuchi K; Iio M, Radiology 1991; **178:** 417

malignant lymphoma: bone marrow imaging versus biopsy, Linden A; Zankovich R; Theissen P; Diehl V; Schicha H, Radiology 1989; **173:** 335

malignant lymphoma of the breast detected by gallium-67 scintigraphy, Ohta H; Kotoura H; Ikeuchi D; et al, Clin Nucl Med 1990; **15:** 650

malignant lymphoma of the gastrointestinal tract and mesentery: a clinico-pathologic study of the significance of histologic classification, (ab), van Krieken JHJM; Otter R; Hermans H; et al, Radiology 1990; **174:** 898

management of non-Hodgkin lymphoma in adults in Scandinavia, United Kingdom, and the Netherlands: report from the European School of Oncology Intercity Meeting at Huddinge Hospital, 3rd June, 1988, Juliusson G; Abrahamsen AF; Cavallin-Ståhl E; et al, Acta Oncol 1989; **28:** 135

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

massive lymphoma of the mediastinum, chest wall, and axilla, Stewart CA; Glaser AM; Terasaki K, Clin Nucl Med 1989; **14:** 210

mediastinal T-cell lymphoma mimicking pericardial effusion, Sung RYT; So LY; Ho JKS; et al, JCU 1991; **19:** 377

monoclonal B-cells in blood in non-Hodgkin lymphoma: correlation with clinical features and prognoses, Lindh J; Johansson H; Lenner P; et al, Acta Oncol 1989; **28:** 641

MR evaluation of chest wall involvement in malignant lymphoma, Bergin CJ; Healy MV; Zincone GE; et al, JCAT 1990; **14:** 928

MR imaging of gynecologic lymphoma, Kimura I; Togashi K; Tsutsui K; et al, JCAT 1991; **15:** 500

MR imaging of primary thyroid lymphoma, Takashima S; Ikezoe J; Morimoto S; et al, JCAT 1989; **13:** 517

non-Hodgkin lymphomas presenting with spinal epidural involvement, Di Marco A; Campostrini F; Garusi GF, Acta Oncol 1989; **28:** 485

non-Hodgkin's lymphoma: a four-drug regimen suitable for elderly patients with advanced disease, Watkin SW; Green JA, Acta Oncol 1990; **29:** 733

non-Hodgkin's lymphoma of the nasopharynx, paranasal sinus and palate, Makepeace AR; Fermont DC; Bennett MH, Clin Radiol 1989; **40:** 144

pancreatic lymphoma: is surgery mandatory for diagnosis or treatment?, (ab), Webb TH; Lillemoe KD; Pitt HA; et al, Radiology 1989; **172:** 882

pleural effusion as a presentation of AIDS-related lymphoma, Sider L; Horton ES Jr, Invest Radiol 1989; **24:** 150

post-treatment calcification of mesenteric non-Hodgkin lymphoma: CT findings, Cheng J; Castellino RA, JCAT 1989; **13:** 64

primary B-cell lymphoma of the CNS in an infant, Egelhoff JC; Beatty EC Jr, Pediatr Radiol 1989; **19:** 204

primary central nervous system lymphoma: analysis of prognostic variables and patterns of treatment failure, Michalski JM; Garcia DM; Kase E; Grigsby PW; Simpson JR, Radiology 1990; **176:** 855

primary central nervous system lymphoma in patients with and without the acquired immune deficiency syndrome: a retrospective analysis and review of the literature, (ab), Remick SC; Diamond C; Migliozzi JA; et al, Radiology 1991; **179:** 591

primary cerebral lymphoma in acquired immunodeficiency syndrome (AIDS)—CT manifestations, Orron DE; Kuhn MJ; Malholtra V; et al, Comput Med Imag Graph 1989; **13:** 207

primary extranodal lymphoma in muscle, Scally J; Garrett A, Br J Radiol 1989; **62:** 81

primary lymphoma of the CNS in an infant with AIDS: imaging findings, Douek P; Bertrand Y; Tran-Minh VA; et al, AJR 1991; **156:** 1037

primary lymphoma of the urinary bladder, Clarke NW; Maxwell AJ, Br J Radiol 1991; **64:** 761

primary malignant lymphoma of the rectum, Hiraiaka K; Nakata H; Nakayama T; et al, Pediatr Radiol 1989; **19:** 474

primary non-Hodgkins lymphoma of bone (case report), Burmeister BH; Benjamin CS, Australas Radiol 1989; **33:** 165

primary non-Hodgkin's lymphoma of the terminal ileum with enterovesical fistula: a case report, Nuruddin RN; Rathakrishnan V, Australas Radiol 1990; **34:** 268

primary spinal cord lymphoma: MR appearance, Bluemke DA; Wang H, JCAT 1990; **14:** 812

primary thyroid lymphoma: comparison of CT and US assessment, Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F, Radiology 1989; **171:** 439

primary thyroid lymphoma: MR appearance, Shibata T; Noma S; Nakano Y; et al, JCAT 1991; **15:** 629

prognostic factors in head and neck non-Hodgkin's lymphoma with special reference to serum lactic dehydrogenase and serum copper, Hisamitsu S; Shibuya H; Hoshina M; et al, Acta Oncol 1990; **29:** 879

prognostic factors in patients with early stage non-Hodgkin's lymphomas of the head and neck treated with definitive irradiation, Goldwein JW; Coia LR; Hanks GE, Int J Radiat Oncol Biol Phys 1991; **20:** 45

pulmonary neoplastic and lymphoproliferative disease in AIDS: a review, Heitzman ER, Radiology 1990; **177:** 347

radiologic assessment of the lymphoma patient from the standpoint of the clinician, Cabanillas F; Fuller LM, Radiol Clin North Am 1990; **28:** 683

radiologic concepts of lymphoma of bone, Edeiken-Monroe B; Edeiken J; Kim EE, Radiol Clin North Am 1990; **28:** 841

renal lymphoma in ataxia-telangiectasia: CT contribution, Levine C; Vrlenich L, JCAT 1989; **13:** 537

residual masses on follow-up computed tomography in patients with mediastinal non-Hodgkin's lymphoma, Uematsu M; Kondo M; Tsutsui T; et al, Clin Radiol 1989; **40:** 244

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

role of MRI bone marrow imaging in recurrent lymphoma, Marcuzzi DW; Cohen EK, J Canad Assoc Radiol 1989; **40:** 216

single-lung transplantation: imaging features, Herman SJ; Rappaport DC; Weisbrod GL; Olscamp GC; Patterson GA; Cooper JD; Toronto Lung Transplant Group, Radiology 1989; **170:** 89

skeletal lymphoma, Franczyk J; Samuels T; Rubenstein J; et al, J Canad Assoc Radiol 1989; **40:** 75

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

sonographic appearance of testicular lymphoma, Tweed CS; Peck RJ, Clin Radiol 1991; **43:** 341

sonographic findings in primary uterine cervical lymphoma, Malatskey A; Reuter KL; Woda B, JCU 1991; **19:** 62

sonographic patterns of the affected spleen in malignant lymphoma, Goerg C; Schwerk WB; Goerg K; et al, JCU 1990; **18:** 569

Tc-99m MDP accumulation in lymphoma, Malpani A; Takamia Y; Bekerman C; et al, Clin Nucl Med 1990; **15:** 738

thoracic lymphoma, North LB; Libshitz HI; Lorigan JG, Radiol Clin North Am 1990; **28:** 745

treated thorax, Jochelson MS, Radiol Clin North Am 1990; **28:** 763

tumor imaging of Dalton's lymphoma using antibody-desferal-Ga-67 complex, Udayachander M; Meenakshi A; Sivanandham M, Int J Radiat Oncol Biol Phys 1989; **16:** 731

two patients with primary non-Hodgkinson's lymphoma of the brain, Varghese CV; Jose CC; Singh AD, Australas Radiol 1991; **35:** 184

ultrasound of extranodal abdominal lymphoma—a review, Goerg C; Schwerk WB, Clin Radiol 1991; **44:** 92

unusual presentation of non-Hodgkin lymphoma of the spleen, Marti-Bonmati L; Ballesta A; Chirivella M, J Canad Assoc Radiol 1989; **40:** 49

unusual presentation of non-Hodgkin's lymphoma of the small bowel, Nicholson DA, Br J Radiol 1990; **63:** 814

value of double-contrast study of the small intestine in immunoproliferative small intestinal disease, Matsumoto T; Iida M; Matsui T; et al, Gastrointest Radiol 1990; **15:** 159

value of sonography in monitoring the therapeutic response of mediastinal lymphoma: comparison with chest radiography and CT, Wernecke K; Vassallo P; Hoffmann G; et al, AJR 1991; **156:** 265

Lymphoma, CT

acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN, Radiographics 1990; **10:** 201

calcification in cerebral non-Hodgkin's lymphoma: CT demonstration, Yamada I; Suzuki S, Neuroradiol 1989; **31:** 372

CT appearance of primary CNS lymphoma in patients with acquired immunodeficiency syndrome, Goldstein JD; Zeifer B; Chao C; et al, JCAT 1991; **15:** 39

CT appearance of primary pleural lymphoma, Malatskey A; Fields S; Libson E, Comput Med Imag Graph 1989; **13:** 165

CT appearances of relapse of lymphoma in the lung, Cobby M; Whipp E; Bullimore J; et al, Clin Radiol 1990; **41:** 232

CT of lymphoma: spectrum of disease, Fishman EK; Kuhlman JE; Jones RJ, Radiographics 1991; **11:** 647

CT scanning in epidural lymphoma, MacVicar D; Williams MP, Clin Radiol 1991; **43:** 95

Ga-67 SPECT before and after treatment of lymphoma, Front D; Israel O; Epelbaum R; Haim SB; Sapir EE; Jerushalmi J; Kolodny GM; Robinson E, Radiology 1990; **175:** 515

lymphoma of the lung: CT findings in 31 patients, Lewis ER; Caskey CI; Fishman EK, AJR 1991; **156:** 711

lymphoma of the mediastinum and neck: evaluation with Ga-67 imaging and CT correlation, Drossman SR; Schiff RG; Kronfeld GD; McNamara J; Leonidas JC, Radiology 1990; **174:** 171

non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management, Pond GD; Castellino RA; Horning S; Hoppe RT, Radiology 1989; **170:** 159

omental cakes in American Burkitt lymphoma: computed tomography demonstration, Goodman P; Raval B, Clin Imag 1989; **13:** 117

primary central nervous system lymphoma versus toxoplasmosis in AIDS, Dina TS, Radiology 1991; **179:** 823

primary thyroid lymphoma: comparison of CT and US assessment, Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F, Radiology 1989; **171:** 439

sarcoidosis: abdominal manifestations at CT, Britt AR; Francis IR; Glazer GM; Ellis JH, Radiology 1991; **178:** 91

Lymphoma, diagnosis

abdominal lymphoma in AIDS: evaluation with US, Townsend RR; Laing FC; Jeffrey RB Jr; Bottles K, Radiology 1989; **171:** 719

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

CT of lymphoma: spectrum of disease, Fishman EK; Kuhlman JE; Jones RJ, Radiographics 1991; **11:** 647

fine needle aspiration biopsy in lymphoma, Carrasco CH; Richli WR; Lawrence D; et al, Radiol Clin North Am 1990; **28:** 879

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN, Radiology 1991; **179:** 579

non-Hodgkin lymphoma: predicting prognostic grade with MR imaging, Rehn SM; Nyman RS; Glimelius BLG; Hagberg HE; Sundström JC, Radiology 1990; **176:** 249

non-Hodgkin lymphomas: practical concepts for the diagnostic radiologist, Castellino RA, Radiology 1991; **178:** 315

ultrasound in the diagnosis of lymphoma: a review, Jackson FI; Lalani ZH, JCU 1989; **17:** 145

varied appearance of AIDS-related lymphoma in the chest, Sider L; Weiss AJ; Smith MD; VonRoenn JH; Glassroth J, Radiology 1989; **171:** 629

Lymphoma, in infants and children

lymphoma of the mediastinum and neck: evaluation with Ga-67 imaging and CT correlation, Drossman SR; Schiff RG; Kronfeld GD; McNamara J; Leonidas JC, Radiology 1990; **174:** 171

renal involvement in children with lymphoma: comparison of CT with sonography, Weinberger E; Rosenbaum DM; Pendergrass TW, AJR 1990; **155:** 347

Lymphoma, metastases

non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management, Pond GD; Castellino RA; Horning S; Hoppe RT, Radiology 1989; **170:** 159

Lymphoma, MR

acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN, Radiographics 1990; **10:** 201

controversy in the MR imaging appearance of fibrosis, Lee JKT; Glazer HS, Radiology 1990; **177:** 21

diagnosis of splenic lymphoma by MR imaging: value of superparamagnetic iron oxide, Weissleder R; Elizondo G; Stark DD; et al, AJR 1989; **152:** 175

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

MR imaging of primary pulmonary lymphoma, Takashima S; Fujita N; Morimoto S; et al, Australas Radiol 1990; **34:** 353

non-Hodgkin lymphoma: predicting prognostic grade with MR imaging, Rehn SM; Nyman RS; Glimelius BLG; Hagberg HE; Sundström JC, Radiology 1990; **176:** 249

P-31 spectroscopy study of response of superficial human tumors to therapy, Karczmar GS; Meyerhoff DJ; Boska MD; Hubesch B; Poole J; Matson GB; Valone F; Weiner MW, Radiology 1991; **179:** 149

primary central nervous system lymphoma versus toxoplasmosis in AIDS, Dina TS, Radiology 1991; **179:** 823

primary intracranial CNS lymphoma: MR manifestations, Schwaighofer BW; Hesselink JR; Press GA; et al, AJNR 1989; **10:** 725

superparamagnetic particles as oral contrast medium in MR imaging of malignant lymphoma, Lönnemark M; Hemmingsson A; Bach-Gansmo T; et al, Acta Radiol 1991; **32:** 232

Lymphoma, radionuclide studies

case of primary malignant lymphoma of the brain with high uptake of ^{123}I-IMP, Ohkawa S; Yamadori A; Mori E; et al, Neuroradiol 1989; **31:** 270

Ga-67 SPECT before and after treatment of lymphoma, Front D; Israel O; Epelbaum R; Haim SB; Sapir EE; Jerushalmi J; Kolodny GM; Robinson E, Radiology 1990; **175:** 515

lymphoma of the mediastinum and neck: evaluation with Ga-67 imaging and CT correlation, Drossman SR; Schiff RG; Kronfeld GD; McNamara J; Leonidas JC, Radiology 1990; **174:** 171

normal and abnormal Ga-67 SPECT anatomy in patients with lymphoma, Israel O; Jerushalmi J; Ben-Haim S; et al, Clin Nucl Med 1990; **15:** 334

residual mass and negative gallium scintigraphy in treated lymphoma, Israel O; Front D; Epelbaum R; et al, J Nucl Med 1990; **31:** 365

Tc-99m MDP accumulation in lymphoma, Malpani A; Takamia Y; Bekerman C; et al, Clin Nucl Med 1990; **15:** 738

uptake of carbon-11-methionine and fluorodeoxyglucose in non-Hodgkin's lymphoma: a PET study, Leskinen-Kallio S; Ruotsalainen U; Någren K; et al, J Nucl Med 1991; **32:** 1211

use of FDG-PET in the detection and management of malignant lymphoma: correlation of uptake with prognosis, Okada J; Yoshikawa K; Imazeki K; et al, J Nucl Med 1991; **32:** 686

Lymphoma, staging

CT of lymphoma: spectrum of disease, Fishman EK; Kuhlman JE; Jones RJ, Radiographics 1991; **11:** 647

magnetic resonance imaging in the initial staging of Hodgkin's disease and non-Hodgkin lymphoma, Tesoro-Tess JD; Balzarini L; Ceglia E; et al, Eur J Radiol 1991; **12:** 81

non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management, Pond GD; Castellino RA; Horning S; Hoppe RT, Radiology 1989; **170:** 159

non-Hodgkin lymphoma of the small intestine, Rubesin SE; Gilchrist AM; Bronner M; Saul SH; Herlinger H; Grumbach K; Levine MS; Laufer I, Radiographics 1990; **10:** 985

non-Hodgkin lymphoma: predicting prognostic grade with MR imaging, Rehn SM; Nyman RS; Glimelius BLG; Hagberg HE; Sundström JC, Radiology 1990; **176:** 249

non-Hodgkin lymphomas: practical concepts for the diagnostic radiologist, Castellino RA, Radiology 1991; **178:** 315

primary orbital lymphoma: staging by computed tomographic scanning, Mills P; Parsons CA, Br J Radiol 1989; **62:** 287

Lymphoma, therapeutic radiology

AIDS-related non-Hodgkin's lymphoma: the outcome and efficacy of radiation therapy, DeWeese TL; Hazuka MB; Hommel DJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 803

definitive irradiation for localized non-Hodgkin's lymphoma of breast, DeBlasio D; McCormick B; Straus D; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 843

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

imaging and treatment of B-cell lymphoma, Eary JF; Press OW; Badger CC; et al, J Nucl Med 1990; **31:** 1257

late tissue reactions after single-fraction sequential half-body irradiation (HBI) in patients with non-Hodgkin's lymphomas, Awwad HK; El Badawy S; El Ghamrawy K; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1229

long-term results in patients with low-grade nodular non-Hodgkin's lymphoma: a randomized trial comparing chemotherapy plus radiotherapy with chemotherapy alone, Avilés A; Díaz-Maqueo JC; Sánchez E; et al, Acta Oncol 1991; **30:** 329

management of malignant lymphoma in the elderly: an EORTC retrospective evaluation, Tirelli U, Acta Oncol 1989; **28:** 199

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

non-Hodgkin's lymphoma *confined* to the nasal cavity: its relationship to the polymorphic reticulosis and results of radiation therapy, Itami J; Itami M; Mikata A; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 797

outcome analysis of localized gastrointestinal lymphoma treated with surgery and postoperative irradiation, Gospodarowicz MK; Sutcliffe SB; Clark RM; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1351

patterns of failure in patients with pathological stage I and II diffuse histiocytic lymphoma treated with radiation therapy alone, Hallahan DE; Farah R; Vokes EE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 767

primary central nervous system lymphoma: analysis of prognostic variables and patterns of treatment failure, Michalski JM; Garcia DM; Kase E; Grigsby PW; Simpson JR, Radiology 1990; **176:** 855

prognostic factors in non-Hodgkin lymphoma stage I treated with radiotherapy, Hagberg H; Pettersson U; Glimelius B; et al, Acta Oncol 1989; **28:** 45

radiation therapy of early stage cutaneous T-cell lymphoma, Micaily B; Moser C; Vonderheid EC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1333

spontaneous pneumothorax in patients irradiated for Hodgkin's disease and other malignant lymphomas, Pezner RD; Horak DA; Sayegh HO; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 193

stage I and II non-Hodgkin's lymphomas: long-term results of radiation therapy, Reddy S; Saxena VS; Pellettiere EV; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 687

total skin electron beam and total nodal irradiation of cutaneous T-cell lymphoma, Micaily B; Campbell O; Moser C; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 809

Lymphoma, therapy

chest radiograph appearances seen following high dose chemotherapy and autologous bone marrow transplantation for resistant malignant lymphoma, Millard FC; Nakielny RA; Makris M; et al, Br J Radiol 1991; **64:** 103

comparison of CT and chest radiographs in the evaluation of post-therapy lymphoma patients, Khan A; Herman PG; Jojas KA; et al, Eur J Radiol 1989; **9:** 96

imaging and treatment of B-cell lymphoma, Eary JF; Press OW; Badger CC; et al, J Nucl Med 1990; **31:** 1257

long-term results in patients with low-grade nodular non-Hodgkin's lymphoma: a randomized trial comparing chemotherapy plus radiotherapy with chemotherapy alone, Avilés A; Díaz-Maqueo JC; Sánchez E; et al, Acta Oncol 1991; **30:** 329

management of malignant lymphoma in the elderly: an EORTC retrospective evaluation, Tirelli U, Acta Oncol 1989; **28:** 199

management of primary cerebral lymphoma with initial chemotherapy: preliminary results and comparison with patients treated with radiotherapy alone, Brada M; Dearnaley D; Horwich A; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 787

methyl-GAG, ifosfamide, methotrexate and etoposide (MIME) as salvage therapy for Hodgkin's disease and non-Hodgkin's lymphoma, Enblad G; Glimelius B; Hagberg H; et al, Acta Oncol 1990; **29:** 297

MIME combination chemotherapy in recurrent or refractory lymphoproliferative malignancies: a phase II study, Mirza MR; Brincker H, Acta Oncol 1991; **30:** 17

non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management, Pond GD; Castellino RA; Horning S; Hoppe RT, Radiology 1989; **170:** 159

non-Hodgkin's lymphoma: a four-drug regimen suitable for elderly patients with advanced disease, Watkin SW; Green JA, Acta Oncol 1990; **29:** 733

phase III trial of cyclophosphamide, doxorubicin, vincristine and prednisone (CHOP) versus cisplatin, etoposide, bleomycin and prednisone (CisEBP) for the treatment of advanced non-Hodgkin's lymphoma of high grade malignancy, Andersen J; Thorling K; Bentzen SM; et al, Acta Oncol 1990; **29:** 995

sequential combination chemotherapy (CABOPP/VIM) for the treatment of high-grade malignant non-Hodgkin lymphoma, Nowrousian MR; Meier CR; Schoetensack B; et al, Acta Oncol 1989; **28:** 495

translumbar inferior vena cava catheters for long-term venous access, Lund GB; Lieberman RP; Haire WD; Martin VA; Kessinger A; Armitage JO, Radiology 1990; **174:** 31

Lymphoma, US

abdominal lymphoma in AIDS: evaluation with US, Townsend RR; Laing FC; Jeffrey RB Jr; Bottles K, Radiology 1989; **171:** 719

different sonographic "pseudokidney" appearance detected with intestinal lymphoma: "hydronephrotic-pseudokidney", Sener RN; Alper H; Demirci A; et al, JCU 1989; **17:** 209

primary thyroid lymphoma: comparison of CT and US assessment, Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F, Radiology 1989; **171:** 439

ultrasound in the diagnosis of lymphoma: a review, Jackson FI; Lalani ZH, JCU 1989; **17:** 145

Lymphoscintigraphy

See Lymphatic system, radionuclide studies

M

Magnetic resonance (MR)

See also under names of organs and regions, such as Brain, MR

abdominal aorta and renal artery stenosis: evaluation with MR angiography, Kim D; Edelman RR; Kent KC; Porter DH; Skillman JJ, Radiology 1990; **174:** 727

adaptive technique for three-dimensional MR imaging of moving structures, Korin HW; Felmlee JP; Ehman RL; Riederer SJ, Radiology 1990; **177:** 217

analysis of economics and use of MR imaging units in the United States in 1990, Evens RG; Evens RG Jr, AJR 1991; **157:** 603

anxiety in patients undergoing MR imaging, Quirk ME; Letendre AJ; Ciottone RA; Lingley JF, Radiology 1989; **170:** 463

costs of magnetic resonance imaging services in public hospitals, Crowe BL; Hailey D; Benness GT; et al, Australas Radiol 1990; **34:** 219

cross sectional medical imaging: a history, Hendee WR, Radiographics 1989; **9:** 1155

diagnostic significance of interslice gap and imaging volume in body MR imaging, Schwaighofer BW; Yu KK; Mattrey RF, AJR 1989; **153:** 629

direction of MR imaging, Rothschild PA; Crooks LE; Margulis AR, Invest Radiol 1990; **25:** 275

editor's page: MR imaging inroads in the People's Republic of China, Fullerton GD, JMRI 1991; **1:** 273

efficacy studies of new imaging modalities, Hall FM, Radiology 1989; **171:** 287

evaluation of three psychologic interventions to reduce anxiety during MR imaging, Quirk ME; Letendre AJ; Ciottone RA; Lingley JF, Radiology 1989; **173:** 759

experiences at the new magnetic resonance imaging centre at Bristol, Thomson JLG, Br J Radiol 1989; **62:** 134

from Thales to Lauterbur, or from the lodestone to MR imaging: magnetism and medicine, Mourino MR, Radiology 1991; **180:** 593

hand-held electronic teaching-aid for demonstrating MRI concepts, Malko JA; Nelson RC, Invest Radiol 1989; **24:** 927

health policy analysis and magnetic resonance imaging: the case of the New York State demonstration project, Milliren JW, Clin Imag 1989; **13:** 16

human malignant melanomas with varying degrees of melanin content in nude mice: MR imaging, histopathology, and electron paramagnetic resonance, Atlas SW; Braffman BH; LoBrutto R; et al, JCAT 1990; **14:** 547

introduction: sedation and imaging protocol, Jaffe RB, Semin US CT MR 1990; **11:** 181

introduction to nuclear magnetic resonance in biomedicine, Andrew ER, J Canad Assoc Radiol 1990; **41:** 2

magnetic resonance: boundless possibilities . . . or possible boundaries, Young IR, Br J Radiol 1990; **63:** 1

magnetic resonance imaging in the initial staging of Hodgkin's disease and non-Hodgkin lymphoma, Tesoro-Tess JD; Balzarini L; Ceglia E; et al, Eur J Radiol 1991; **12:** 81

magnetic resonance imaging: project planning and management of a superconductive M.R.I. installation, Condon PM; Robertson AR, Australas Radiol 1989; **33:** 40

making magnetic resonance images and beyond, Henkelman RM; Kucharczyk W; Bronskill MJ, J Canad Assoc Radiol 1990; **41:** 8

MR-tutor: a program for teaching the interdependence of factors which influence signal intensity in magnetic resonance imaging, Posteraro RH; Blinder RA; Herfkens RJ, Comput Med Imag Graph 1989; **13:** 393

NMR imaging in the earth's magnetic field, Stepišnik J; Eržen V; Kos M, Magn Res Med 1990; **15:** 386

optimization of survey protocols for MRI, McVeigh ER; Henkelman RM; Bronskill MJ, Magn Res Med 1990; **13:** 177

panic attacks during MR imaging: treatment with IV diazepam, Avrahami E, AJNR 1990; **11:** 833

quantitative studies of hydrodynamic effects and cross-relaxation in protein solutions and tissues with proton and deuteron longitudinal relaxation times, Zhong J; Gore JC; Armitage IM, Magn Res Med 1990; **13:** 192

rejuvenationg hoarse beepers with the MR imager, Yang A, Radiology 1991; **180:** 290

response to and control of destructive energy by magnetic resonance, Jolesz FA; Moore GJ; Mulkern RV; et al, Invest Radiol 1989; **24:** 1024

subjective experiences of magnetic resonance imaging, Thorp D; Owens RG; Whitehouse G; et al, Clin Radiol 1990; **41:** 276

T1 and T2 measurements on a 1.5-T commercial MR imager, Breger RK; Rimm AA; Fischer ME; Papke RA; Haughton VM, Radiology 1989; **171:** 273

Magnetic resonance (MR), angiography
See Magnetic resonance (MR), vascular studies

Magnetic resonance (MR), antibody imaging
polyclonal human immunoglubulin G labeled with polymeric iron oxide: antibody MR imaging, Weissleder R; Lee AS; Fischman AJ; Reimer P; Shen T; Wilkinson R; Callahan RJ; Brady TJ, Radiology 1991; **181:** 245

Magnetic resonance (MR), artifact
abdominal MRI artifacts, Powers T; Lum A; Patton JA, Semin US CT MR 1989; **10:** 2
adaptive technique for high-definition MR imaging of moving structures, Ehman RL; Felmlee JP, Radiology 1989; **173:** 255
adaptive technique for three-dimensional MR imaging of moving structures, Korin HW; Felmlee JP; Ehman RL; Riederer SJ, Radiology 1990; **177:** 217
analysis of T2 limitations and off-resonance effects on spatial resolution and artifacts in echo-planar imaging, Farzaneh F; Riederer SJ; Pelc NJ, Magn Res Med 1990; **14:** 123
carbon-fiber electrodes and leads for electrocardiography during MR imaging, van Genderingen HR; Sprenger M; Willem de Ridder J; van Rossum AC, Radiology 1989; **171:** 872
chemical shift artifact: dependence on shape and orientation of the lipid-water interface, Smith RC; Lange RC; McCarthy SM, Radiology 1991; **181:** 225
data extrapolation for truncation artifact removal, Constable RT; Henkelman RM, Magn Res Med 1991; **17:** 108
eddy-current-induced artifacts caused by an "MR-compatible" halo device, Malko JA; Hoffman JC Jr; Jarrett PJ, Radiology 1989; **173:** 563
eddy-current-induced artifacts caused by an "MR-compatible" halo device, Shellock FG; Slimp G, Radiology 1990; **175:** 586
eddy-current-induced artifacts caused by an "MR-compatible" halo device: reply, Malko JA, Radiology 1990; **175:** 586
effect of field strength on susceptibility artifacts in magnetic resonance imaging, Farahani K; Sinha U; Sinha S; et al, Comput Med Imag Graph 1990; **14:** 409
effect of tendon orientation on MR imaging signal intensity: a manifestation of the "magic angle" phenomenon, Erickson SJ; Cox IH; Hyde JS; Carrera GF; Strandt JA; Estkowski LD, Radiology 1991; **181:** 389
effects of magnetic susceptibility artifacts and motion in evaluating the cervical neural foramina on 3DFT gradient-echo MR imaging, Tsuruda JS; Remley K, AJNR 1991; **12:** 237
effects of magnetic susceptibility artifacts and motion in evaluating the cervical neural foramina on 3DFT gradient-echo MR imaging, Tsuruda JS; Remley K, AJR 1991; **156:** 1069
evaluation of ferromagnetism and magnetic resonance imaging artifacts of the Strecker tantalum vascular stent, Teitelbaum GP; Raney M; Carvlin MJ; et al, Cardiovasc Intervent Radiol 1989; **12:** 125
experiments for two MR imaging theories of motion phase sensitivity, Moran PR, Radiology 1991; **180:** 115
factors affecting ^{39}K NMR detectability in rat tissue, Rashid SA; Adam WR; Craik DJ; et al, Magn Res Med 1991; **17:** 213
fat-shift artifact simulating aortic dissection on MR images, Lotan CS; Cranney GB; Doyle M; et al, AJR 1989; **152:** 385
ferromagnetism and magnetic resonance artifacts of platinum embolization microcoils, Marshall MW; Teitelbaum GP; Kim HS; et al, Cardiovasc Intervent Radiol 1991; **14:** 163
flow artifact reduction in MRI: a review of the roles of gradient moment nulling and spatial presaturation, Ehman RL; Felmlee JP, Magn Res Med 1990; **14:** 293
gated gradient-motion-refocused (GMR) images with spin-echo sequences, Metes JJ; Wilner HI; Crowley M; et al, AJNR 1989; **10:** S54
Gd-DTPA–enhanced MR images: accentuation of vascular pulsation artifacts and correction by using gradient-moment nulling (MAST), Richardson DN; Elster AD; Williams DW III, AJNR 1990; **11:** 209
ghost artifact on gradient-echo imaging: a potential pitfall in hepatic imaging, Silverman PM; Patt RH; Baum PA; et al, AJR 1990; **154:** 633
importance of absence of CSF pulsation artifacts in the MR detection of significant myelographic block at 1.5 T, Quint DJ; Patel SC; Sanders WP; et al, AJNR 1989; **10:** 1089
improved MR images of the brain with use of a gated, flow-compensated, variable-bandwidth pulse sequence, Enzmann D; Augustyn GT, Radiology 1989; **172:** 777
improvement in signal-to-noise ratio and reduction of chemical shift and motion-induced artifacts by summation of gradient and spin echo data acquisition, Vinitski S; Mitchell DG; Rifkin MD; et al, JCAT 1989; **13:** 1041
influence of flow and motion in MRI of diffusion using a modified CE-FAST sequence, Merboldt K-D; Hänicke W; Gyngell ML; et al, Magn Res Med 1989; **12:** 198
intracranial chemical-shift artifacts on MR images of the brain: observations and relation to sampling bandwidth, Smith AS; Weinstein MA; Hurst GC; et al, AJNR 1990; **11:** 303
intracranial chemical-shift artifacts on MR images of the brain: observations and relation to sampling bandwidth, Smith AS; Weinstein MA; Hurst GC; et al, AJR 1990; **154:** 1275
lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327
metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP; Yee CA; Van Horn DD; Kim HS; Colletti PM, Radiology 1990; **175:** 855
metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP, Radiology 1990; **177:** 883
modified iterative model based on data extrapolation method to reduce Gibbs ringing, Amartur S; Haacke EM, JMRI 1991; **1:** 307
motional phase artifacts in Fourier transform MRI, Wedeen VJ; Wendt RE III; Jerosch-Herold M, Magn Res Med 1989; **11:** 114
MR fluoroscopy: initial clinical studies, Farzaneh F; Riederer SJ; Lee JN; Tasciyan T; Wright RC; Spritzer CE, Radiology 1989; **171:** 545
MR imaging artifacts of the axial internal anatomy of the cervical spinal cord, Curtin AJ; Chakeres DW; Bulas R; et al, AJNR 1989; **10:** 19
MR imaging of firearm projectiles, Lufkin RB, Radiology 1991; **179:** 285
MR imaging of patients with implanted drug infusion pumps, von Roemeling R; Lanning RM; Eames FA, JMRI 1991; **1:** 77
MR imaging of the bird's nest filter, Watanabe AT; Teitelbaum GP; Gomes AS; Roehm JOF Jr, Radiology 1990; **177:** 578
MR of ballistic materials: imaging artifacts and potential hazards, Smith AS; Hurst GC; Duerk JL; et al, AJNR 1991; **12:** 567
optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013
pseudoatrophy of the cervical portion of the spinal cord on MR images: a manifestation of the truncation artifact?, Yousem DM; Janick PA; Atlas SW; et al, AJNR 1990; **11:** 373
pseudoatrophy of the cervical portion of the spinal cord on MR images: a manifestation of the truncation artifact?, Yousem DM; Janick PA; Atlas SW; et al, AJR 1990; **154:** 1069
reduction of flow artifacts in NMR diffusion imaging using view-angle tilted line-integral projection reconstruction, Jung KJ; Cho ZH, Magn Res Med 1991; **19:** 349
SMRI report: policies, guidelines, and recommendations for MR imaging safety and patient management, Shellock FG; Kanal E; SMRI Safety Committee, JMRI 1991; **1:** 97
spatial localization for motion-rejected NMR imaging: SLO-MOTION, Blackband SJ, Magn Res Med 1990; **13:** 263
strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, Chien D; Atkinson DJ; Edelman RR, JMRI 1991; **1:** 63
tantalum vascular stents: in vivo evaluation with MR imaging, Matsumoto AH; Teitelbaum GP; Barth KH; Carvlin MJ; Savin MA; Strecker EP, Radiology 1989; **170:** 753
thoracic aortic dissection: pitfalls and artifacts in MR imaging, Solomon SL; Brown JJ; Glazer HS; Mirowitz SA; Lee JKT, Radiology 1990; **177:** 223
truncation artifact: a potential pitfall in MR imaging of the menisci of the knee, Turner DA; Rapoport MI; Erwin WD; McGould M; Silvers RI, Radiology 1991; **179:** 629
vacuum phenomenon simulating meniscal or cartilaginous injury of the knee at MR imaging, Shogry MEC; Pope TL Jr, Radiology 1991; **180:** 513

Magnetic resonance (MR), biological effects
acoustic analysis of gradient-coil noise in MR imaging, Hurwitz R; Lane SR; Bell RA; Brant-Zawadzki MN, Radiology 1989; **173:** 545
alterations in body and skin temperatures caused by magnetic resonance imaging: is the recommended exposure for radiofrequency radiation too conservative?, Shellock FG; Schaefer DJ; Crues JV, Br J Radiol 1989; **62:** 904
dental materials and magnetic resonance imaging, Lissac M; Metrop D; Brugirard J; et al, Invest Radiol 1991; **26:** 40
effects of 2.35-T MR imaging on natural killer cell cytotoxicity with and without interleukin-2, Prasad N; Lotzová E; Thornby JI; Taber KH, Radiology 1990; **175:** 261
exposure to a 1.5-T static magnetic field does not alter body and skin temperatures in man, Shellock FG; Schaefer DJ; Crues JV, Magn Res Med 1989; **11:** 371
heating of the scrotum by high-field-strength MR imaging, Shellock FG; Rothman B; Sarti D, AJR 1990; **154:** 1229
human brainstem auditory evoked potentials (BAEP) before and after MR examinations, Müller S; Hotz M, Magn Res Med 1990; **16:** 476
influence of magnetic resonance imaging on evoked potentials and nerve conduction velocities in humans, Vogl TJ; Paulus W; Fuchs A; et al, Invest Radiol 1991; **26:** 432
model of the temperature rise in the head due to magnetic resonance imaging procedures, Athey TW, Magn Res Med 1989; **9:** 177
non-ferromagnetic retinal tacks are a tolerable risk in magnetic resonance imaging, Kuethe DO; Small KW; Blinder RA, Invest Radiol 1991; **26:** 1
quantitative ^{1}H magnetization transfer imaging *in vivo*, Eng J; Ceckler TL; Balaban RS, Magn Res Med 1991; **17:** 304
reduction of sound levels with antinoise in MR imaging, Goldman AM; Gossman WE; Friedlander PC, Radiology 1989; **173:** 549
safety of 4-T MR imaging: study of effects on developing frog embryos, Prasad N; Wright DA; Ford JJ; Thornby JI, Radiology 1990; **174:** 251
sensory stimulation by time-varying magnetic fields, Cohen MS; Weisskoff RM; Rzedzian RR; et al, Magn Res Med 1990; **14:** 409
short-term effect of exposure to intense magnetic fields on hematologic indices of bone metabolism, Papatheofanis FJ; Papatheofanis BJ, Invest Radiol 1989; **24:** 221
SMRI report: policies, guidelines, and recommendations for MR imaging safety and patient management, Shellock FG; Kanal E; SMRI Safety Committee, JMRI 1991; **1:** 97
thermal effects of MR imaging: worst-case studies on sheep, Barber BJ; Schaefer DJ; Gordon CJ; et al, AJR 1990; **155:** 1105

Magnetic resonance (MR), carbon studies
carbon-13 magnetic resonance spectroscopy: problems and promise, Griffey RH, Invest Radiol 1989; **24:** 1017

^{13}C NMR visibility of rabbit muscle glycogen *in vivo*, Gruetter R; Prolla TA; Shulman RG, Magn Res Med 1991; **20:** 327

direct carbon versus proton heteronuclear editing of 2-^{13}C ethanol in rabbit brain *in vivo*: a sensitivity comparison, Novotny EJ Jr; Ogino T; Rothman DL; et al, Magn Res Med 1990; **16:** 431

dynamic changes in ^{13}C NMR spectra of intact hearts under conditions of varied metabolite enrichment, Lewandowski ED; Hulbert C, Magn Res Med 1991; **19:** 186

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

Magnetic resonance (MR), chemical shift

analysis of diabetic cataractogenesis using chemical-shift nuclear magnetic resonance microscopy, Cheng H-M; Aguayo JB; Moore GJ; et al, Magn Res Med 1991; **17:** 62

chemical shift artifact: dependence on shape and orientation of the lipid-water interface, Smith RC; Lange RC; McCarthy SM, Radiology 1991; **181:** 225

chemical-shift imaging of a spontaneous internal carotid artery dissection: case report, Pacini R; Simon J; Ketonen L; et al, AJNR 1991; **12:** 360

chemical shift imaging of atherosclerosis at 7.0 tesla, Maynor CH; Charles HC; Herfkens RJ; et al, Invest Radiol 1989; **24:** 52

chemical shift imaging of human brain: axial, sagittal, and coronal P-31 metabolite images, Vigneron DB; Nelson SJ; Murphy-Boesch J; Kelley DAC; Kessler HB; Brown TR; Taylor JS, Radiology 1990; **177:** 643

chemical shift imaging with paramagnetic contrast material enhancement for improved lesion depiction, Simon JH; Szumowski J, Radiology 1989; **171:** 539

combined chemical-shift and phase-selective imaging for fat suppression: theory and initial clinical experience, Chan TW; Listerud J; Kressel HY, Radiology 1991; **181:** 41

gadopentetate dimeglumine-enhanced chemical-shift MR imaging of the breast, Rubens D; Totterman S; Chacko AK; et al, AJR 1991; **157:** 267

general formalism for the manipulation of multiple-echo data sets, and application to chemical shift editing, Webb AG; Hall LD, Magn Res Med 1991; **18:** 411

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

hybrid methods of chemical-shift imaging, Szumowski J; Eisen JK; Vinitski S; et al, Magn Res Med 1989; **9:** 379

improvement in signal-to-noise ratio and reduction of chemical shift and motion-induced artifacts by summation of gradient and spin echo data acquisition, Vinitski S; Mitchell DG; Rifkin MD; et al, JCAT 1989; **13:** 1041

intracranial chemical-shift artifacts on MR images of the brain: observations and relation to sampling bandwidth, Smith AS; Weinstein MA; Hurst GC; et al, AJNR 1990; **11:** 303

intracranial chemical-shift artifacts on MR images of the brain: observations and relation to sampling bandwidth, Smith AS; Weinstein MA; Hurst GC; et al, AJR 1990; **154:** 1275

magnetic resonance chemical shift imaging and spectroscopy of atherosclerotic plaque, Vinitski S; Consigny PM; Shapiro MJ; et al, Invest Radiol 1991; **26:** 703

making magnetic resonance images and beyond, Henkelman RM; Kucharczyk W; Bronskill MJ, J Canad Assoc Radiol 1990; **41:** 8

malignant hepatic tumors: P-31 MR spectroscopy with one-dimensional chemical shift imaging, Francis IR; Chenevert TL; Gubin B; Collumb L; Ensminger W; Walker-Andrews S; Glazer GM, Radiology 1991; **180:** 341

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

MR detectability of posterior pituitary high signal and direction of frequency encoding gradient, Sato N; Ishizaka H; Matsumoto M; et al, JCAT 1991; **15:** 355

multiple-output chemical shift imaging (MOCSI): a practical technique for rapid spectroscopic imaging, Twieg DB, Magn Res Med 1989; **12:** 64

NMR chemical shift imaging, Brink HF; Buschmann MD; Rosen BR, Comput Med Imag Graph 1989; **13:** 93

optic neuritis and orbital lesions: lipid-suppressed chemical shift MR imaging, Lee DH; Simon JH; Szumowski J; Feasby TE; Karlik SJ; Fox AJ; Pelz DM, Radiology 1991; **179:** 543

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

PEEP—a rapid chemical-shift imaging method, Guilfoyle DN; Blamire A; Chapman B; et al, Magn Res Med 1989; **10:** 282

postoperative lumbar spine: contrast-enhanced chemical shift MR imaging, Bobman SA; Atlas SW; Listerud J; Grossman RI, Radiology 1991; **179:** 557

prostatic MR imaging performed with the three-point Dixon technique: work in progress, Tamler B; Sommer FG; Glover GH; Schneider E, Radiology 1991; **179:** 43

proton chemical shift imaging of bone marrow for monitoring therapy in leukemia, Gückel F; Brix G; Semmler W; et al, JCAT 1990; **14:** 954

proton chemical-shift imaging with magnetically and electrically inhomogeneous objects, Nozokido T; Yamamoto E; Kohno H; et al, Magn Res Med 1991; **19:** 161

proton MR chemical shift imaging using double and triple phase contrast acquisition methods, Lodes CC; Felmlee JP; Ehman RL; et al, JCAT 1989; **13:** 855

relative contributions of chemical exchange and other relaxation mechanisms in protein solutions and tissues, Zhong J; Gore JC; Armitage IM, Magn Res Med 1989; **11:** 295

selective chemical imaging with a three-dimensional gradient echo sequence, Klose U; Grodd W; Kölbel G, JCAT 1989; **13:** 724

snapshot FLASH MRI. applications to T1, T2, and chemical-shift imaging, Haase A, Magn Res Med 1990; **13:** 77

systemic bone marrow disorders: characterization with proton chemical shift imaging, Gückel F; Brix G; Semmler W; et al, JCAT 1990; **14:** 633

Tm(DOTP)$^{5-}$: a ^{23}Na+ shift agent for perfused rat hearts, Buster DC; Castro MMCA; Geraldes CFGC, Magn Res Med 1990; **15:** 25

true water and fat MR imaging with use of multiple-echo acquisition, Williams SCR; Horsfield MA; Hall LD, Radiology 1989; **173:** 249

visualization of altered myocardial lipids by ^{1}H NMR chemical-shift imaging following ischemic insult, Bouchard A; Doyle M; Wolkowicz PE; et al, Magn Res Med 1991; **17:** 379

Magnetic resonance (MR), cine study

case of intrathoracic meningocele accompanied by Recklinghausen's disease: cardiac gated CINE MRI, Abe T; Kojima K; Nishimura H; et al, Neuroradiol 1990; **32:** 535

cineangiography of the heart in a single breath hold with a segmented turboFLASH sequence, Atkinson DJ; Edelman RR, Radiology 1991; **178:** 357

cine–gradient-refocused MR imaging of central pulmonary emboli, Posteraro RH; Sostman HD; Spritzer CE; et al, AJR 1989; **152:** 465

cine magnetic resonance imaging for evaluation of congenital heart disease: role in pediatric cardiology compared with echocardiography and angiography, (ab), Chung KJ; Simpson IA; Newman R; et al, Radiology 1989; **172:** 590

cine MR imaging in aortic stenosis, de Roos A; Reichek N; Axel L; et al, JCAT 1989; **13:** 421

cine MR imaging of valvular heart disease: display and imaging parameters affect the size of the signal void caused by valvular regurgitation, Suzuki J-i; Caputo GR; Kondo C; et al, AJR 1990; **155:** 723

cine-MR in dissection of the thoracic aorta, Fruehwald FXJ; Neuhold A; Fezoulidis J; et al, Eur J Radiol 1989; **9:** 37

cine MR in the evaluation of normal and abnormal CSF flow: intracranial and intraspinal studies, Quencer RM; Post MJD; Hinks RS, Neuroradiol 1990; **32:** 371

comparison of cine MR imaging with Doppler echocardiography for the evaluation of aortic regurgitation, Pflugfelder PW; Landzberg JS; Cassidy MM; et al, AJR 1989; **152:** 729

determination of left ventricular volume and mass with use of biphasic spin-echo MR imaging: comparison with cine MR, Caputo GR; Suzuki J-I; Kondo C; Cho H; Quaife R; Higgins CB; Parker DL, Radiology 1990; **177:** 773

diagnosis and assessment of mitral and aortic valve disease by cine-flow magnetic resonance imaging, Mitchell L; Jenkins JPR; Watson Y; et al, Magn Res Med 1989; **12:** 181

electrocardiograph-independent, "wireless" cardiovascular cine MR imaging, White RD; Paschal CB; Clampitt ME; Spraggins TA; Lenz GW, JMRI 1991; **1:** 347

extraction of cardiac and respiratory motion cycles by use of projection data and its applications to NMR imaging, Kim WS; Mun CW; Kim DJ; et al, Magn Res Med 1990; **13:** 25

intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Ruggieri PM; Laub GA; Masaryk TJ; Modic MT, Radiology 1989; **171:** 785

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

low-field cine magnetic resonance imaging, Jones RA; Metcalfe MJ; Redpath TW; et al, Br J Radiol 1990; **63:** 65

moving knee joint: technique for kinematic MR imaging, Niitsu M; Akisada M; Anno I; Miyakawa S, Radiology 1990; **174:** 569

normal and diffusely abnormal myocardium in humans: functional and metabolic characterization with P-31 MR spectroscopy and cine MR imaging, Auffermann W; Chew WM; Wolfe CL; Tavares NJ; Parmley WW; Semelka RC; Donnelly T; Chatterjee K; Higgins CB, Radiology 1991; **179:** 253

normal left ventricular dimensions and function: interstudy reproducibility of measurements with cine MR imaging, Semelka RC; Tomei E; Wagner S; Mayo J; Kondo C; Suzuki J-I; Caputo GR; Higgins CB, Radiology 1990; **174:** 763

normal signal-void patterns in cardiac cine MR images, Mirowitz SA; Lee JKT; Gutierrez FR; Brown JJ; Eilenberg SS, Radiology 1990; **176:** 49

patellar tracking abnormalities: clinical experience with kinematic MR imaging in 130 patients, Shellock FG; Mink JH; Deutsch AL; Fox JM, Radiology 1989; **172:** 799

patellofemoral joint: evaluation during active flexion with ultrafast spoiled GRASS MR imaging, Shellock FG; Foo TKF; Deutsch AL; Mink JH, Radiology 1991; **180:** 581

"pseudocoarctation" of the aorta: pitfall on cine MR imaging, Mirowitz SA; Lee JKT; Gutierrez FR; et al, JCAT 1990; **14:** 753

pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; **176:** 761

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551

real-time interactive color flow MR imaging, Riederer SJ; Wright RC; Ehman RL; Rossman PJ; Holsinger-Bampton AE; Hangiandreou NJ; Grimm RC, Radiology 1991; **181:** 33

right and left ventricular stroke volume measurements with velocity-encoded cine MR imaging: in vitro and in vivo validation, Kondo C; Caputo GR; Semelka R; et al, AJR 1991; **157:** 9

tears of cruciate ligaments and menisci: evaluation with cine MR imaging, Niitsu M; Anno I; Fukubayashi T; Shimojo H; Kuno S-y; Akisada M, Radiology 1991; **178:** 859

temporomandibular joint motion: efficacy of fast low-angle shot MR imaging, Conway WF; Hayes CW; Campbell RL; Laskin DM, Radiology 1989; **172:** 821

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; **177:** 537

whole-body echo-planar MR imaging at 0.5 T, Stehling MK; Howseman AM; Ordidge RJ; Chapman B; Turner R; Coxon R; Glover P; Mansfield P; Coupland RE, Radiology 1989; **170:** 257

Magnetic resonance (MR), comparative studies

3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ, Radiology 1991; **179:** 797

abnormalities of the pulmonary veins: evaluation with MR imaging and comparison with cardiac angiography and echocardiography, Masui T; Seelos KC; Kersting-Sommerhoff BA; Higgins CB, Radiology 1991; **181:** 645

adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Krestin GP; Steinbrich W; Friedmann G, Radiology 1989; **171:** 675

alterations in the supraspinatus tendon at MR imaging: correlation with histopathologic findings in cadavers, Kjellin I; Ho CP; Cervilla V; Haghighi P; Kerr R; Vangness CT; Friedman RJ; Trudell D; Resnick D, Radiology 1991; **181:** 837

band heterotopias: a newly recognized neuronal migration anomaly, Barkovich AJ; Jackson DE Jr; Boyer RS, Radiology 1989; **171:** 455

bladder cancer: staging with CT and MR imaging, Husband JES; Olliff JFC; Williams MP; Heron CW; Cherryman GR, Radiology 1989; **173:** 435

brain structure localization in positron emission tomography: comparison of magnetic resonance imaging and a stereotactic method, Mountz JM; Wilson MW, Comput Med Imag Graph 1991; **15:** 17

cerebral venography with MR, Mattle HP; Wentz KU; Edelman RR; Wallner B; Finn JP; Barnes P; Atkinson DJ; Kleefield J; Hoogewoud HM, Radiology 1991; **178:** 453

combined chemical-shift and phase-selective imaging for fat suppression: theory and initial clinical experience, Chan TW; Listerud J; Kressel HY, Radiology 1991; **181:** 41

comparison of conventional and computed arthrotomography with MR imaging in the evaluation of the shoulder, Habibian A; Stauffer A; Resnick D; et al, JCAT 1989; **13:** 968

comparison of CT and MRI in the assessment of the pituitary and parasellar region, Guy RL; Benn JJ; Ayers AB; et al, Clin Radiol 1991; **43:** 156

comparison of diffusion- and T2-weighted MRI for the early detection of cerebral ischemia and reperfusion in rats, Mintorovitch J; Moseley ME; Chileuitt L; et al, Magn Res Med 1991; **18:** 39

comparison of left ventricular ejection fraction by magnetic resonance imaging and radionuclide ventriculography in idiopathic dilated cardiomyopathy, (ab), Gaudio C; Tanzilli G; Mazzarotto P; et al, Radiology 1991; **181:** 613

comparison of magnetic resonance imaging and radionuclide bone imaging of vertebral fractures, Wiener SN; Neumann DR; Rzeszotarski MS, Clin Nucl Med 1990; **14:** 666

comparison of ^{31}P MRS and ^{1}H MRI at 1.5 and 2.0 T, Boska MD; Hubesch B; Meyerhoff DJ; et al, Magn Res Med 1990; **13:** 228

CT and MR imaging in staging non–small cell bronchogenic carcinoma: report of the Radiologic Diagnostic Oncology Group, Webb WR; Gatsonis C; Zerhouni EA; Heelan RT; Glazer GM; Francis IR; McNeil BJ, Radiology 1991; **178:** 705

cystic neoplasms of the pancreas: comparison of MR imaging with CT, Minami M; Itai Y; Ohtomo K; Yoshida H; Yoshikawa K; Iio M, Radiology 1989; **171:** 53

deep venous thrombosis: experience with gradient-echo MR imaging in 66 patients, Spritzer CE; Sostman HD; Wilkes DC; Coleman RE, Radiology 1990; **177:** 235

deep venous thrombosis of extremities: role of MR imaging in the diagnosis, Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM, Radiology 1990; **174:** 425

dermatomyositis: correlative MR imaging and P-31 MR spectroscopy for quantitative characterization of inflammatory disease, Park JH; Vansant JP; Kumar NG; Gibbs SJ; Curvin MS; Price RR; Partain CL; James AE Jr, Radiology 1990; **177:** 473

detection and quantification of chronic cerebrovascular disease: comparison of MR imaging, SPECT, and CT, Seiderer M; Krappel W; Moser E; Hahn D; Schmiedek P; Buell U; Kirsch C-M; Lissner J, Radiology 1989; **170:** 545

detection of brain metastases: comparison of contrast-enhanced MR with unenhanced MR and enhanced CT, Sze G; Milano E; Johnson C; et al, AJNR 1990; **11:** 785

detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW, Radiology 1989; **171:** 47

efficacy of gadolinium-diethylenetriaminepentaacetic acid-enhanced magnetic resonance imaging for differentiation between superficial and muscle-invasive tumor of the bladder: a comparative study with computerized tomography and transurethral ultrasonography, (ab), Tachibana M; Baba S; Deguchi N; et al, Radiology 1991; **181:** 910

epithelial tumors of the ovary: comparison of MR and CT findings, Ghossain MA; Buy J-N; Lignères C; Bazot M; Hassen K; Malbec L; Hugol D; Truc JB; Decroix Y; Poitout P; Vadrot D, Radiology 1991; **181:** 863

exercise-induced muscle modifications: study of healthy subjects and patients with metabolic myopathies with MR imaging and P-31 spectroscopy, de Kerviler E; Leroy-Willig A; Jehenson P; Duboc D; Eymard B; Syrota A, Radiology 1991; **181:** 259

focal hepatic lesions: comparative MR imaging at 0.5 and 1.5 T, Steinberg HV; Alarcon JJ; Bernardino ME, Radiology 1990; **174:** 153

Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, Chang KH; Han MH; Roh JK; et al, AJR 1990; **154:** 809

GRASE (gradient- and spin-echo) MR imaging: a new fast clinical imaging technique, Feinberg DA; Oshio K, Radiology 1991; **181:** 597

head injury in child abuse: evaluation with MR imaging, Sato Y; Yuh WTC; Smith WL; Alexander RC; Kao SCS; Ellerbroek CJ, Radiology 1989; **173:** 653

hepatic iron overload: quantitative MR imaging, Gomori JM; Horev G; Tamary H; Zandback J; Kornreich L; Zaizov R; Freud E; Krief O; Ben-Meir J; Rotem H; Kuspet M; Rosen P; Rachmilewitz EA; Loewenthal E; Gorodetsky R, Radiology 1991; **179:** 367

hepatic metastases: CT versus MR imaging at 1.5T, Vassiliades VG; Foley WD; Alarcon J; et al, Gastrointest Radiol 1991; **16:** 159

hepatic tumors: comparison of CT during arterial portography, delayed CT, and MR imaging for preoperative evaluation, Nelson RC; Chezmar JL; Sugarbaker PH; Bernardino ME, Radiology 1989; **172:** 27

hepatocellular carcinomas with excessive copper accumulation: CT and MR findings, Kitagawa K; Matsui O; Kadoya M; Takashima T; Kawamori Y; Yamahana T; Kidani H; Hirano M; Masuda S; Nakanuma Y; Haratake J, Radiology 1991; **180:** 623

hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M, Radiology 1990; **176:** 777

intracranial aneurysms and vascular malformations: comparison of time-of-flight and phase-contrast MR angiography, Huston J III; Rufenacht DA; Ehman RL; Wiebers DO, Radiology 1991; **181:** 721

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

intradural spinal metastases in pediatric patients with primary intracranial neoplasms: Gd-DTPA enhanced MR vs CT myelography, Blews DE; Wang H; Kumar AJ; et al, JCAT 1990; **14:** 730

liver metastases: detection with MR imaging at 0.5 and 1.5 T, Reinig JW; Dwyer AJ; Miller DL; Frank JA; Adams GW; Chang AE, Radiology 1989; **170:** 149

low-field (0.08 T) magnetic resonance imaging of the pancreas: comparison with computed tomography and ultrasound, Smith FW; Bayliss AP; Hussey JK; et al, Br J Radiol 1989; **62:** 796

lumbar facet joint capsule: appearance at MR imaging and CT, Xu GL; Haughton VM; Carrera GF, Radiology 1990; **177:** 415

magnetic resonance imaging compared with computed tomography and angiography in moyamoya disease, Hasuo K; Yasumori K; Yoshida K; et al, Acta Radiol 1990; **31:** 191

meniscal tears diagnosed with MR imaging versus arthroscopy: how reliable a standard is arthroscopy?, Quinn SF; Brown TF, Radiology 1991; **181:** 843

MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD, JMRI 1991; **1:** 469

MR imaging of pulmonary parenchyma: comparison with CT in evaluating cadaveric lung specimens, Naidich DP; Weinreb JC; Schinella R, JCAT 1990; **14:** 595

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

new method for fast MR imaging of the knee, Harms SE; Flamig DP; Fisher CF; Fulmer JM, Radiology 1989; **173:** 743

nonaccidental craniocerebral trauma (child abuse): MR imaging, Ball WS Jr, Radiology 1989; **173:** 609

normal anorectum: dynamic MR imaging anatomy, Kruyt RH; Delemarre JBVM; Doornbos J; Vogel HJ, Radiology 1991; **179:** 159

normal rotator cuff: MR imaging with conventional and fat-suppression techniques, Mirowitz SA, Radiology 1991; **180:** 735

occult fractures of the proximal femur: MR imaging, Deutsch AL; Mink JH; Waxman AD, Radiology 1989; **170:** 113

ovarian lesions: detection and characterization with gadolinium-enhanced MR imaging at 1.5 T, Stevens SK; Hricak H; Stern JL, Radiology 1991; **181:** 481

Paget disease: MR imaging findings, Roberts MC; Kressel HY; Fallon MD; Zlatkin MB; Dalinka MK, Radiology 1989; **173:** 341

peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM, Radiology 1991; **178:** 695

pituitary adenoma: correlation of half-dose gadolinium-enhanced MR imaging with surgical findings in 26 patients, Davis PC; Gokhale KA; Joseph GJ; Peterman SB; Adams DA; Tindall GT; Hudgins PA; Hoffman JC Jr, Radiology 1991; **180:** 779

pituitary microadenomas: a PET study, De Souza B; Brunetti A; Fulham MJ; Brooks RA; DeMichele D; Cook P; Nieman L; Doppman JL; Oldfield EH; Di Chiro G, Radiology 1990; **177:** 39

pituitary microadenomas: diagnosis with two- and three-dimensional MR imaging at 1.5 T before and after injection of gadolinium, Stadnik TW; Stevenaert A; Beckers A; Luypaert RR; Buisseret T; Osteaux M, Radiology 1990; **176:** 419

popliteal artery hemodynamics: MR imaging—US correlation, Dousset V; Wehrli FW; Louie A; Listerud J, Radiology 1991; **179:** 437

postoperative lumbar spine: contrast-enhanced chemical shift MR imaging, Bobman SA; Atlas SW; Listerud J; Grossman RI, Radiology 1991; **179:** 557

projection arteriography and venography: initial clinical results with MR, Edelman RR; Wentz KU; Mattle HP; Zhao B; Liu C; Kim D; Laub G, Radiology 1989; **172:** 351

proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG, Radiology 1989; **173:** 401

reduced-bandwidth MR imaging of the head at 1.5 T, Simon JH; Foster TH; Ketonen L; Totterman S; Szumowski J; Kido DK; Manzione JV Jr; Joy SE, Radiology 1989; **172:** 771

rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Larheim TA; Smith H-J; Aspestrand F, Radiology 1990; **175:** 527

role of magnetic resonance imaging in the assessment of patients with lung cancer: a comparison with computed tomography, Webb WR, J Thorac Imag 1989; **4-2:** 65

rotator cuff tears: diagnostic performance of MR imaging, Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE, Radiology 1989; **172:** 223

small cell lung cancer: staging with MR imaging, Jelinek JS; Redmond J III; Perry JJ; Burrell LM; Benedikt RA; Geyer CA; Peller PJ; Wacks LL; Wise BJ; Ghaed VN, Radiology 1990; **177:** 837

some considerations for MR imaging of the liver, Crooks LE, Radiology 1991; **180:** 615

spinal cord compression due to metastatic disease: diagnosis with MR imaging versus myelography, Carmody RF; Yang PJ; Seeley GW; Seeger JF; Unger EC; Johnson JE, Radiology 1989; **173:** 225

superior sulcus tumors: CT and MR imaging, Heelan RT; Demas BE; Caravelli JF; Martini N; Bains MS; McCormack PM; Burt M; Panicek DM; Mitzner A, Radiology 1989; **170:** 637

T1-weighted sequences for MR imaging of the liver: comparison of three techniques for single-breath, whole-volume acquisition at 1.0 and 1.5 T, Semelka RC; Simm FC; Recht M; Deimling M; Lenz G; Laub GA, Radiology 1991; **180:** 629

temporomandibular joint dysfunction: correlation of MR imaging, arthrography, and arthroscopy, Rao VM; Farole A; Karasick D, Radiology 1990; **174:** 663

temporomandibular joint motion: efficacy of fast low-angle shot MR imaging, Conway WF; Hayes CW; Campbell RL; Laskin DM, Radiology 1989; **172:** 821

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; **171:** 801

uterine cervical carcinoma: comparison of CT and MR findings, Kim SH; Choi BI; Lee HP; Kang SB; Choi YM; Han MC; Kim C-W, Radiology 1990; **175:** 45

value of magnetic resonance imaging in patients with a recent myocardial infarction: comparison with planar thallium-201 scintigraphy, Krauss XH; van der Wall EE; Doornbos J; et al, Cardiovasc Intervent Radiol 1989; **12:** 119

Magnetic resonance (MR), contrast enhancement

acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

acute, subacute, and chronic myocardial infarction: quantitative analysis of gadolinium-enhanced MR images, van Dijkman PRM; van der Wall EE, de Roos A; Matheijssen NAA; van Rossum AC; Doornbos J; van der Laarse A; van Voorthuisen AE; Bruschke AVG, Radiology 1991; **180:** 147

adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Krestin GP; Steinbrich W; Friedmann G, Radiology 1989; **171:** 675

advances in contrast-enhanced MR imaging, Saini S; Modic MT; Hamm B; et al, AJR 1991; **156:** 235

advances in macrocyclic gadolinium complexes as magnetic resonance imaging contrast agents, Meyer D; Schaefer M; Doucet D, Invest Radiol 1990; **25:** S53

appropriate use of names for MR contrast media, Goldstein HA, Radiology 1990; **174:** 897

ascorbate-induced cancellation of nitroxide contrast media enhancement of MR images, Wikstrom MG; White DL; Moseley ME; et al, Invest Radiol 1989; **24:** 692

asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; **178:** 769

assessing response to therapy of spinal metastases with gadolinium-enhanced MR imaging, Sugimura K; Kajitani A; Okizuka H; Sugihara M; Mizutani M; Ishida T, JMRI 1991; **1:** 481

assessment of a superparamagnetic iron oxide (AMI-25) as a brain contrast agent, Kent TA; Quast MJ; Kaplan BJ; et al, Magn Res Med 1990; **13:** 434

assessment of extradural degenerative disease with Gd-DTPA–enhanced MR imaging: correlation with surgical and pathologic findings, Ross JS; Modic MT; Masaryk TJ; et al, AJNR 1989; **10:** 1243

biodistribution and magnetic resonance imaging of cross-linked DTPA polysaccharides, Gibby WA; Billings J; Hall J; et al, Invest Radiol 1990; **25:** 164

blood MR signal suppression by preexcitation with inverting pulses, Mayo JR; Culham JAG; MacKay AL; Aikins DG, Radiology 1989; **173:** 269

bone marrow: ultrasmall superparamagnetic iron oxide for MR imaging, Senéterre E; Weissleder R; Jaramillo D; Reimer P; Lee AS; Brady TJ; Wittenberg J, Radiology 1991; **179:** 529

breast disease: tissue characterization with Gd-DTPA enhancement profiles, Stack JP; Redmond OM; Codd MB; Dervan PA; Ennis JT, Radiology 1990; **174:** 491

calvarial and skull base metastases: comparison of nonenhanced and Gd-DTPA–enhanced MR images, West MS; Russell EJ; Breit R; Sze G; Kim KS, Radiology 1990; **174:** 85

cardiovascular MR imaging with iron oxide particles: utility of a superparamagnetic contrast agent and the role of diffusion in signal loss, Rozenman Y; Zou X; Kantor HL, Radiology 1990; **175:** 655

case report: gadolinium-enhanced MR imaging in the management of a midline cerebral dysgerminoma, Hawes DR; Yuh WTC; Wen B-C, Comput Med Imag Graph 1989; **13:** 463

case report: gadopentetate dimeglumine enhanced MRI in an anephric patient on dialysis, Choyke PL; Frank JA; Webb D; et al, Clin Radiol 1990; **41:** 430

case report: magnetic resonance imaging with gadolinium-DTPA enhancement in the differentiation of benign from neoplastic cord cavitation, Clarke CE; Hawnaur J; Prvulovich E; et al, Clin Radiol 1990; **41:** 214

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Tien RD; Brasch RC; Jackson DE; Dillon WP, Radiology 1989; **172:** 791

cerebral ischemia: evaluation with contrast-enhanced MR imaging, Crain MR; Yuh WTC; Greene GM; et al, AJR 1991; **157:** 575

chemical shift imaging with paramagnetic contrast material enhancement for improved lesion depiction, Simon JH; Szumowski J, Radiology 1989; **171:** 539

clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT, Radiology 1990; **174:** 361

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

CNS imaging of neoplasms, Bragg DG; Osborn AG, Int J Radiat Oncol Biol Phys 1991; **21:** 841

comparative evaluation of two membrane-based liposomal MRI contrast agents, Karlik S; Florio E; Grant CWM, Magn Res Med 1991; **19:** 56

comparison of Fe-HBED and Fe-EHPG as hepatobiliary MR contrast agents, Hoener B-a; Engelstad BL; Ramos EC; Macapinlac HA; Price DC; Johnson TR; White DL, JMRI 1991; **1:** 357

comparison of Gd-BOPTA with Gd-DTPA in MR imaging of rat liver, Pavone P; Patrizio G; Buoni C; Tettamanti E; Passariello R; Musu C; Tirone P; Felder E, Radiology 1990; **176:** 61

comparison of Kaopectate with barium for negative and positive enteric contrast at MR imaging, Mitchell DG; Vinitski S; Mohamed FB; Mammone JF; Haidet K; Rifkin MD, Radiology 1991; **181:** 475

comparison of plain and Gd-DTPA-enhanced MR-imaging in children, Baierl P; Mühlsteffen A; Haustein J; et al, Pediatr Radiol 1990; **20:** 515

contrast agents and cerebral hemodynamics, Rosen BR; Belliveau JW; Buchbinder BR; et al, Magn Res Med 1991; **19:** 285

contrast-enhanced magnetic resonance imaging of hypoperfused myocardium, Schaefer S; Lange RA; Gutekunst DP; et al, Invest Radiol 1991; **26:** 551

contrast-enhanced MRI of tumors: comparison of Gd-DTPA and a macromolecular agent, Wikström MG; Moseley ME; White DL; et al, Invest Radiol 1989; **24:** 609

contrast enhancement of the labyrinth on MR scans in patients with sudden hearing loss and vertigo: evidence of labyrinthine disease, Seltzer S; Mark AS, AJNR 1991; **12:** 13

cranial MR imaging with Gd-DTPA in neonates and young infants: preliminary experience, Elster AD, Radiology 1990; **176:** 225

cranial postoperative site: assessment with contrast-enhanced MR imaging, Elster AD; DiPersio DA, Radiology 1990; **174:** 93

cross-linked DTPA polysaccharides for magnetic resonance imaging: synthesis and relaxation properties, Gibby WA; Bogdan A; Ovitt TW, Invest Radiol 1989; **24:** 302

current status of MR imaging contrast agents: special report, Wolf GL, Radiology 1989; **172:** 709

demarcation of myocardial ischemia: magnetic susceptibility effect of contrast medium in MR imaging, Saeed M; Wendland MF; Tomei E; Rocklage SM; Quay SC; Moseley ME; Wolfe C; Higgins CB, Radiology 1989; **173:** 763

detection of liver metastases with superparamagnetic iron oxide in 15 patients: results of MR imaging at 1.5 T, Marchal G; Van Hecke P; Demaerel P; et al, AJR 1989; **152:** 771

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; **1:** 285

developing spinal column: gadolinium-enhanced MR imaging, Sze G; Bravo S; Baierl P; Shimkin PM, Radiology 1991; **180:** 497

dextran magnetite as a liver contrast agent, Magin RL; Bacic G; Niesman MR; et al, Magn Res Med 1991; **20:** 1

diagnosis of splenic lymphoma by MR imaging: value of superparamagnetic iron oxide, Weissleder R; Elizondo G; Stark DD; et al, AJR 1989; **152:** 175

differentiation of capillary leak and hydrostatic pulmonary edema with a macromolecular MR imaging contrast agent, Berthezene Y; Vexler V; Jerome H; Sievers R; Moseley ME; Brasch RC, Radiology 1991; **181:** 773

direct hepatic tumor injection in rats: can it be used for analysis of MR imaging contrast agents?, Murphy FB; Fernandez MdP; Kossoff MB; Dillehay DL; Malko JA; Bernardino ME, JMRI 1991; **1:** 83

dynamic gadolinium-enhanced rapid acquisition spin-echo MR imaging of the liver, Mirowitz SA; Lee JKT; Gutierrez E; Brown JJ; Heiken JP; Eilenberg SS, Radiology 1991; **179:** 371

dynamic imaging of contrast enhancement in brain tumors, Bullock PR; Mansfield P; Gowland P; et al, Magn Res Med 1991; **19:** 293

early detection of perfusion deficits caused by regional cerebral ischemia in cats: T2-weighted magnetic susceptibility MRI using a nonionic dysprosium contrast agent, Rocklage SM; Moseley ME; Kucharczyk J; et al, Invest Radiol 1990; **25:** S37

effect of Gd-dimeglumine on subcutaneous tissues: a study with rats, McAlister WH; McAlister VI; Kissane JM, AJNR 1990; **11:** 325

effect of superparamagnetic particles as oral contrast medium at magnetic resonance imaging: a phase I clinical study, Lönnemark M; Hemmingsson A; Bach-Gansmo T; et al, Acta Radiol 1989; **30:** 193

effect of superparamagnetic particles in agarose gels: a magnetic resonance imaging study, Ericsson A; Lönnemark M; Hemmingsson A; et al, Acta Radiol 1991; **32:** 74

energy-dispersive x-ray microscopy to trace gadolinium in tissues, Elster AD, Radiology 1989; **173:** 868

europium-DTPA: a gadolinium analogue traceable by fluorescence microscopy, Elster AD; Jackels SC; Allen NS; et al, AJNR 1989; **10:** 1137

evaluation of Gd-DTPA–labeled dextran as an intravascular MR contrast agent: imaging characteristics in normal rat tissues, Wang S-c; Wikström MG; White DL; Klaveness J; Holtz E; Rongved P; Moseley ME; Brasch RC, Radiology 1990; **175:** 483

evaluation of MRI contrast in the uterus using synthetic imaging, Lange RC; Duberg AC; McCarthy SM, Magn Res Med 1991; **17:** 279

evaluation of pachymeningitis by contrast-enhanced MR imaging in a patient with rheumatoid disease, Yuh WTC; Drew JM; Rizzo M; et al, AJNR 1990; **11:** 1247

evaluation of polyaza macrocyclic methylene phosphonate chelates of Gd^{3+} ions as MRI contrast agents, Geraldes CFGC; Brown RD III; Cacheris WP; et al, Magn Res Med 1989; **9:** 94

evaluation of potential practical oral contrast agents for pediatric magnetic resonance imaging: preliminary observations, Bisset GS III, Pediatr Radiol 1989; **20:** 61

experimental hepatocellular carcinoma: MR receptor imaging, Reimer P; Weissleder R; Brady TJ; Yeager AE; Baldwin BH; Tennant BC; Wittenberg J, Radiology 1991; **180:** 641

experimental lymph node metastases: enhanced detection with MR lymphography, Weissleder R; Elizondo G; Josephson L; Compton CC; Fretz CJ; Stark DD; Ferrucci JT, Radiology 1989; **171:** 835

experimental study of the pharmacokinetics and dose response of ferrite particles used as a contrast agent in MRI of the normal liver of the rabbit, Van Hecke PE; Marchal GJ; Decrop E; et al, Invest Radiol 1989; **24:** 397

extracranial lesions of the head and neck: preliminary experience with Gd-DTPA—enhanced MR imaging, Robinson JD; Crawford SC; Teresi LM; Schiller VL; Lufkin RB; Harnsberger HR; Dietrich RB; Crim JR; Duckwiler GR; Spickler EM; Hanafee WN, Radiology 1989; **172:** 165

extravascular toxicity of two magnetic resonance contrast agents: preliminary experience in the rat, Cohan RH; Leder RA; Herzberg AJ; et al, Invest Radiol 1991; **26:** 224

ferrite particles (AMI25): influence of cirrhosis and chemotherapy on magnetic resonance imaging of metastasis, Clement O; Schouman-Claeys E; Frija G, Invest Radiol 1990; **25:** S61

first clinical trial of a new superparamagnetic iron oxide for use as an oral gastrointestinal contrast agent in MR imaging, Hahn PF; Stark DD; Lewis JM; Saini S; Elizondo G; Weissleder R; Fretz CJ; Ferrucci JT, Radiology 1990; **175:** 695

first-pass cardiac perfusion: evaluation with ultrafast MR imaging, Atkinson DJ; Burstein D; Edelman RR, Radiology 1990; **174:** 757

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

gadolinium-DOTA enhanced MR imaging of intracranial lesions, Parizel PM; Degryse HR; Gheuens J; et al, JCAT 1989; **13:** 378

gadolinium-DTPA–enhanced MR imaging of the postoperative lumbar spine: time course and mechanism of enhancement, Ross JS; Delamarter R; Hueftle MG; et al, AJNR 1989; **10:** 37

gadolinium DTPA: properties and uses in MR imaging, (ab), Brasch RC; Wolf GL; Sze G; et al, Radiology 1989; **173:** 590

gadolinium-enhanced MR angiography, Creasy JL; Price RR; Presbrey T; Goins D; Partain CL; Kessler RM, Radiology 1990; **175:** 280

gadolinium-enhanced MR imaging of cerebral venous angiomas with emphasis on their drainage, Wilms G; Demaerel P; Marchal G; et al, JCAT 1991; **15:** 199

gadolinium enhanced MR imaging of vascular stents, Matsumoto AH; Teitelbaum GP; Carvlin MJ; et al, JCAT 1990; **14:** 357

gadolinium-enhanced MR in spinal infection, Post MJD; Sze G; Quencer RM; et al, JCAT 1990; **14:** 721

gadolinium-labeled liposomes containing various amphiphilic Gd-DTPA derivatives: targeted MRI contrast enhancement agents for the liver, Kabalka GW; Davis MA; Moss TH; et al, Magn Res Med 1991; **19:** 406

gadolinium-phthalein complexone as a contrast agent for hepatobiliary MR imaging, Kawamura Y; Endo K; Koizumi M; et al, JCAT 1989; **13:** 67

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

gadopentetate dimeglumine clearance in renal insufficiency in rabbits, Frank JA; Choyke PL; Girton ME; et al, Invest Radiol 1990; **25:** 1212

gadopentetate dimeglumine–enhanced MR imaging of the musculoskeletal system, Beltran J; Chandnani VP; McGhee RA Jr; et al, AJR 1991; **156:** 457

gadopentetate dimeglumine: observations on the clinical research process, Kieffer SA, Radiology 1990; **174:** 7

gallium-67/stable gadolinium antagonism: MRI contrast agent markedly alters the normal biodistribution of gallium-67, Hattner RS; White DL, J Nucl Med 1990; **31:** 1844

gastrointestinal contrast agents, Hahn PF, AJR 1991; **156:** 252

Gd-DOTA-enhanced MR imaging in two cases of Sturge-Weber syndrome, Lipski S; Brunelle F; Aicardi J; et al, AJNR 1990; **11:** 690

Gd-DOTA: pharmacokinetics and tolerability after intravenous injection into healthy volunteers, Le Mignon M-M; Chambon C; Warrington S; et al, Invest Radiol 1990; **25:** 933

Gd DTPA: a review of clinical indications in central nervous system magnetic resonance imaging, Runge VM; Carollo BR; Wolf CR; Nelson KL; Gelblum DY, Radiographics 1989; **9:** 929

Gd-DTPA as a contrast agent in CT, Bloem JL; Wondergem J, Radiology 1989; **171:** 578

Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, Elster AD; Rieser GD, AJNR 1989; **10:** 1027

Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, Elster AD; Rieser GD, AJR 1989; **153:** 1265

Gd-DTPA enhanced high resolution MR imaging of pituitary adenomas, Steiner E; Imhof H; Knosp E, Radiographics 1989; **9:** 587

GdDTPA-enhanced magnetic resonance imaging of the aqueous flow in the rabbit eye, Cheng H-M; Kwong KK; Xiong J; et al, Magn Res Med 1991; **17:** 237

Gd-DTPA–enhanced MR images: accentuation of vascular pulsation artifacts and correction by using gradient-moment nulling (MAST), Richardson DN; Elster AD; Williams DW III, AJNR 1990; **11:** 209

Gd-DTPA enhanced MR imaging of the breast in patients with postoperative scarring and silicon implants, Heywang SH; Hilbertz T; Beck R; et al, JCAT 1990; **14:** 348

Gd-DTPA–enhanced MR of suspected spinal multiple sclerosis, Larsson E-M; Holtås S; Nilsson O, AJNR 1989; **10:** 1071

Gd-DTPA–enhanced short repetition time and short inversion time inversion recovery magnetic resonance imaging: experimental and clinical assessment, Mihara F; Gupta KL, Invest Radiol 1991; **26:** 734

Gd-DTPA enhancement of posterior epidural scar: an experimental model, Ross JS; Blaser S; Masaryk TJ; et al, AJNR 1989; **10:** 1083

Gd-HP-DO3A in clinical MR imaging of the brain, Runge VM; Gelblum DY; Pacetti ML; Carolan F; Heard G, Radiology 1990; **177:** 393

Gd-labeled liposomes containing amphipathic agents for magnetic resonance imaging, Kabalka GW; Davis MA; Buonocore E; et al, Invest Radiol 1990; **25:** S63

glioblastoma multiforme: MR imaging at 1.5 and 9.4 T after injection of polylysine-DTPA-Gd in rats, Kornguth S; Anderson M; Turski P; et al, AJNR 1990; **11:** 313

hepatic cirrhosis and hepatitis: MR imaging enhanced with superparamagnetic iron oxide, Elizondo G; Weissleder R; Stark DD; Guerra J; Garza J; Fretz CJ; Todd LE; Ferrucci JT, Radiology 1990; **174:** 797

hepatic iron overload: paramagnetic pathology, Stark DD, Radiology 1991; **179:** 333

hepatic metastases: liposomal Gd-DTPA–enhanced MR imaging, Unger EC; Winokur T; MacDougall P; Rosenblum J; Clair M; Gatenby RA; Tilcock CP, Radiology 1989; **171:** 81

hepatic transport of the magnetic resonance imaging contrast agent Fe(III)-*N*-(3-phenylglutaryl)desferrioxamine B, Hoener B-a; Tzika AA; Englestad BL; et al, Magn Res Med 1991; **17:** 509

histologic basis for increased extraocular muscle enhancement in gadolinium-enhanced MR imaging, Kaissar G; Kim JH; Bravo S; Sze G, Radiology 1991; **179:** 541

imaging of acute stroke, Bryan RN, Radiology 1990; **177:** 615

impact of section doubling on lesion contrast, Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L, Radiology 1991; **180:** 123

improved method for in vivo magnetic resonance contrast media research, Schmiedl UP; Maravilla KR; Nelson JA, Invest Radiol 1991; **26:** 65

indicator dilution time activity curves demonstrated by rapid magnetic resonance imaging techniques and paramagnetic contrast agent, Davis PL; Wolf GL; Gillen JS, Invest Radiol 1989; **24:** 400

influence of pulse sequence on the relaxation effects of superparamagnetic iron oxide contrast agents, Majumdar S; Zoghbi SS; Gore JC, Magn Res Med 1989; **10:** 289

interactions of nitroxides with plasma and blood: effect on $1/T_1$ of water protons, Bennett HF; Brown RD III; Keana JFW; et al, Magn Res Med 1990; **14:** 40

intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, Tien RD; Chu PK; Hesselink JR; et al, AJNR 1991; **12:** 245

intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, Tien RD; Chu PK; Hesselink JR; et al, AJR 1991; **156:** 1059

intraarterial portography with gadopentetate dimeglumine: improved liver-to-lesion contrast in MR imaging, Pavone P; Giuliani S; Cardone G; Occhiato R; Di Renzi P; Petroni GA; Buoni C; Passariello R, Radiology 1991; **179:** 693

intradural spinal cord lesions: Gd-DTPA–enhanced MR imaging, Dillon WP; Norman D; Newton TH; Bolla K; Mark A, Radiology 1989; **170:** 229

intraluminal contrast enhancement and MR visualization of the bowel wall: efficacy of PFOB, Rubin DL; Muller HH; Nino-Murcia M; Sidhu M; Christy V; Young SW, JMRI 1991; **1:** 371

intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM, Radiology 1991; **181:** 573

in vitro evaluation of a mechanical injector for infusion of magnetic resonance contrast media, Saini S; Fretz CJ; Fisel CR; et al, Invest Radiol 1991; **26:** 748

in vivo ^{13}C imaging enhanced by polarization transfer, Ueshima Y; Yamai S; Ikehira H; et al, Magn Res Med 1990; **15:** 158

in vivo quantification of the blood–brain barrier injury using magnetic resonance enhancement, Hayakawa K; Yamashita K; Mitsumori M; et al, Invest Radiol 1990; **25:** S80

iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years, Ferrucci JT; Stark DD, AJR 1990; **155:** 943

is Gd-DTPA required for routine cranial MR imaging?, Elster AD; Moody DM; Ball MR; Laster DW, Radiology 1989; **173:** 231

lipid bilayer and water proton magnetization transfer: effect of cholesterol, Fralix TA; Ceckler TL; Wolff SD; et al, Magn Res Med 1991; **18:** 214

liposomal Gd-DTPA: preparation and characterization of relaxivity, Tilcock CP; Unger EC; Cullis P; MacDougall P, Radiology 1989; **171:** 77

liposomal MRI contrast agent: phosphatidylethanolamine—DTPA, Grant CWM; Karlik S; Florio E, Magn Res Med 1989; **11:** 236

liposome encapsulated $MnCl_2$ as a liver specific contrast agent for magnetic resonance imaging, Niesman MR; Bacic GG; Wright SM; et al, Invest Radiol 1990; **25:** 545

liver and pancreas: improved spin-echo T1 contrast by shorter echo time and fat suppression at 1.5 T, Mitchell DG; Vinitski S; Saponaro S; Tasciyan T; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 67

liver-lesion tissue contrast on MR images: effect of iron oxide concentration and magnetic field strength, Thickman D; Hendrick RE; Jerjian KA; Schanker CS, Radiology 1990; **176:** 557

liver-specific contrast agents for MRI, Stark DD; Elizondo G; Fretz CJ, Invest Radiol 1990; **25:** S58

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; **180:** 31

localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Engelstad BL; White DL; Moseley ME; Stark DD, Radiology 1990; **176:** 467

lumbar facet joint capsule: appearance at MR imaging and CT, Xu GL; Haughton VM; Carrera GF, Radiology 1990; **177:** 415

lymph nodes: microstructural anatomy at MR imaging, Lee AS; Weissleder R; Brady TJ; Wittenberg J, Radiology 1991; **178:** 519

macromolecular magnetic resonance imaging contrast media: accumulated experience, Brasch RC; Moseley ME; Dupon J; et al, Invest Radiol 1990; **25:** S51

magnetic resonance contrast media, Invest Radiol Invest Radiol 1990; **25:** S75

magnetic resonance contrast media for myocardial imaging, Higgins CB; Saeed M; Wendland MF, Invest Radiol 1990; **25:** S74

magnetic resonance imaging contrast enhancement versus tissue gadolinium concentration, Wang SC; White DL; Pope JM; et al, Invest Radiol 1990; **25:** S44

magnetic resonance: RSNA '88 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM; Meaney TF, Radiology 1989; **170:** 912

magnetic resonance: RSNA '89 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM, Radiology 1990; **174:** 913

magnetic resonance: RSNA '90 meeting notes, Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR, Radiology 1991; **178:** 907

magnetic starch microspheres, biodistribution and biotransformation: a new organ-specific contrast agent for magnetic resonance imaging, Fahlvik AK; Holtz E; Schröder U; et al, Invest Radiol 1990; **25:** 793

magnetic starch microspheres, efficacy and elimination: a new organ-specific contrast agent for magnetic resonance imaging, Fahlvik AK; Holtz E; Leander P; et al, Invest Radiol 1990; **25:** 113

magnetic susceptibility shift selected imaging: MESSI, Xu Y; Balschi JA; Springer CS Jr, Magn Res Med 1990; **16:** 80

magnetization transfer contrast in MR imaging of the heart, Balaban RS; Chesnick S; Hedges K; Samaha F; Heineman FW, Radiology 1991; **180:** 671

magnetization transfer contrast: MR imaging of the knee, Wolff SD; Chesnick S; Frank JA; Lim KO; Balaban RS, Radiology 1991; **179:** 623

manganese dipyridoxyl diphosphate: effect of dose, time, and pulse sequence on hepatic enhancement in rats, Nelson RC; Chezmar JL; Newberry LB; et al, Invest Radiol 1991; **26:** 569

mechanisms of contrast enhancement in magnetic resonance imaging, Lee DH, J Canad Assoc Radiol 1991; **42:** 6

mechanisms of magnetic resonance contrast enhancement by relaxivity and magnetic susceptibility agents, Lauffer RB, Invest Radiol 1990; **25:** S32

meninges: benign postoperative enhancement on MR images, Burke JW; Podrasky AE; Bradley WG Jr, Radiology 1990; **174:** 99

metalloporphyrins as contrast agents for tumors in magnetic resonance imaging, Place DA; Faustino PJ; Van Zijl PCM; et al, Invest Radiol 1990; **25:** S69

metalloporphyrins as tumor-seeking MRI contrast media and as potential selective treatment sensitizers, Nelson JA; Schmiedl U; Shankland EG, Invest Radiol 1990; **25:** S71

Mn (III) hematoporphyrin: a potential MR contrast agent, Bohdiewicz PJ; Lavallee DK; Fawwaz RA; et al, Invest Radiol 1990; **25:** 765

monoclonal antibody-coated magnetite particles as contrast agents in magnetic resonance imaging of tumors, Cerdan S; Lötscher HR; Künnecke B; et al, Magn Res Med 1989; **12:** 151

MR-cholangiography with a double contrast technique, Hemmingsson A; Carlsten J; Ericsson A; et al, Acta Radiol 1989; **30:** 29

MR contrast due to microscopically heterogeneous magnetic susceptibility: numerical simulations and applications to cerebral physiology, Fisel CR; Ackerman JL; Buxton RB; et al, Magn Res Med 1991; **17:** 336

MR evaluation of CNS tumors: dose comparison study with gadopentetate dimeglumine and gadoteridol, Yuh WTC; Fisher DJ; Engelken JD; Greene GM; Sato Y; Ryals TJ; Crain MR; Ehrhardt JC, Radiology 1991; **180:** 485

MRI contrast media for the liver: efficacy in conditions of acute biliary obstruction, Leander P; Golman K; Klaveness J; et al, Invest Radiol 1990; **25:** 1130

MRI enhancement of perfused tissues using chromium labeled red blood cells as an intravascular contrast agent, Eisenberg AD; Conturo TE; Price RR; et al, Invest Radiol 1989; **24:** 742

MR imaging of blood-borne liver metastases in mice: contrast enhancment with Fe-EHPG, Shtern F; Garrido L; Compton C; Swiniarski JK; Lauffer RB; Brady TJ, Radiology 1991; **178:** 83

MR imaging of experimental intramuscular hemorrhage at 0.02 T: contrast enhancement with Gd-DOTA, Niemi P; Paajanen H; Kormano M; et al, Acta Radiol 1990; **31:** 455

MR imaging of the breast: fast imaging sequences with and without Gd-DTPA. preliminary observations, Kaiser WA; Zeitler E, Radiology 1989; **170:** 681

MR imaging of the breast with Gd-DTPA: use and limitations, Heywang SH; Wolf A; Pruss E; Hilbertz T; Eiermann W; Permanetter W, Radiology 1989; **171:** 95

MR imaging of the postoperative lumbar spine: assessment with gadopentetate dimeglumine, Ross JS; Masaryk TJ; Schrader M; et al, AJR 1990; **155:** 867

MRI measurement of hepatocyte toxicity using the new MRI contrast agent manganese dipyridoxal diphosphate, a manganese/pyridoxal 5-phosphate chelate, Young SW; Simpson BB; Ratner AV; et al, Magn Res Med 1989; **10:** 1

multicenter double-blind placebo-controlled study of gadopentetate dimeglumine as an MR contrast agent: evaluation in patients with cerebral lesions, Russell EJ; Schaible TF; Dillon WP; et al, AJNR 1989; **10:** 53

multicenter study of gadodiamide injection as a contrast agent in MR imaging of the brain and spine, Sze G; Brant-Zawadzki M; Haughton VM; Maravilla KR; McNamara MT; Kumar AJ; Aisen AM; Dreisbach JN; Bradley WG Jr; Weinreb JC; Drayer BP; Tsuruda JS; Hesselink JR; Johnson CE; Zimmerman RD; Weingast GR, Radiology 1991; **181:** 693

multicenter study of gadopentetate dimeglumine as an MR contrast agent: evaluation in patients with spinal tumors, Sze G; Stimac GK; Bartlett C; et al, AJNR 1990; **11:** 967

muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, Hanna SL; Fletcher BD; Parham DM; Bugg MF, JMRI 1991; **1:** 441

musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Fletcher BD; Hanna SL, Radiology 1990; **177:** 287

musculoskeletal neoplasms: dynamic Gd-DTPA–enhanced MR imaging: reply, Erlemann R, Radiology 1990; **177:** 288

musculoskeletal neoplasms: static and dynamic Gd-DTPA–enhanced MR imaging, Erlemann R; Reiser MF; Peters PE; Vasallo P; Nommensen B; Kusnierz-Glaz CR; Ritter J; Roessner A, Radiology 1989; **171:** 767

myocardial infarction: assessment with an intravascular MR contrast medium. work in progress, Saeed M; Wendland MF; Masui T; Connolly AJ; Derugin N; Brasch RC; Higgins CB, Radiology 1991; **180:** 153

myocardial infarct size after reperfusion therapy: assessment with Gd-DTPA–enchanced MR imaging, de Roos A; Matheijssen NAA; Doornbos J; van Dijkman PRM; van Voorthuisen AE; van der Wall EE, Radiology 1990; **176:** 517

neurologic applications, Modic MT, AJR 1991; **156:** 239

new applications of MR contrast agents in neuroradiology, Sze G, Neuroradiol 1990; **32:** 421

NMR and ESR study of liposome delivery of Mn^{2+} to murine liver, Bacic G; Niesman MR; Magin RL; et al, Magn Res Med 1990; **13:** 44

nonionic magnetic resonance imaging contrast agents: clinical trial experience of safety, tolerance, and efficacy of gadodiamide injection, Van Wagoner M; O'Toole M; Quay SC, Invest Radiol 1990; **25:** S39

nonionic or neutral?, Tweedle MF, Radiology 1991; **178:** 891

nonionic polyethylene glycol-ferrioxamine as a renal magnetic resonance contrast agent, Duewell S; Wüthrich R; von Schulthess GK; et al, Invest Radiol 1991; **26:** 50

nonneoplastic enhancing lesions mimicking intracanalicular acoustic neuroma on gadolinium-enhanced MR images, Han MH; Jabour BA; Andrews JC; Canalis RF; Chen F-h; Anzai Y; Becker DP; Lufkin RB; Hanafee WN, Radiology 1991; **179:** 795

nonneurologic applications, Hamm B, AJR 1991; **156:** 245

normal and abnormal pituitary glands: gadopentetate dimeglumine–enhanced MR imaging, Sakamoto Y; Takahashi M; Korogi Y; Bussaka H; Ushio Y, Radiology 1991; **178:** 441

obstructive nephropathy: evaluation with dynamic Gd-DTPA–enhanced MR imaging, Semelka RC; Hricak H; Tomei E; Floth A; Stoller M, Radiology 1990; **175:** 797

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

occlusive and reperfused myocardial infarcts: MR imaging differentiation with nonionic Gd-DTPA-BMA, Masui T; Saeed M; Wendland MF; Higgins CB, Radiology 1991; **181:** 77

on the transverse relaxation rate enhancement induced by diffusion of spins through inhomogeneous fields, Hardy PA; Henkelman RM, Magn Res Med 1991; **17:** 348

optimizing brain MR imaging protocols with gadopentetate dimeglumine: enhancement of intracranial lesions on spin-density- and T2-weighted images, Wessbecher FW; Maravilla KR; Dalley RW, AJNR 1991; **12:** 675

optimizing MR imaging of the abdomen: the case for rapid-acquisition spin-echo MR imaging, Mirowitz SA; Lee JKT, Radiology 1991; **179:** 612

oral magnetic particles in MR imaging of the abdomen and pelvis, Rinck PA; Smevik O; Nilsen G; Klepp O; Onsrud M; Øksendal A; Børseth A, Radiology 1991; **178:** 775

oral superparamagnetic particles for magnetic resonance imaging: effect in plain and viscous aqueous suspensions, Lönnemark M; Hemmingsson A; Ericsson A; et al, Acta Radiol 1990; **31:** 303

ovarian lesions: detection and characterization with gadolinium-enhanced MR imaging at 1.5 T, Stevens SK; Hricak H; Stern JL, Radiology 1991; **181:** 481

oxygenation-sensitive contrast in magnetic resonance image of rodent brain at high magnetic fields, Ogawa S; Lee T-M; Nayak AS; et al, Magn Res Med 1990; **14:** 68

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

pancreatic enhancement after low-dose infusion of Mn-DPDP, Gehl H-B; Vorwerk D; Klose K-C; Günther RW, Radiology 1991; **180:** 337

paramagnetic liposomes as magnetic resonance contrast agents, Unger EC; Tilcock CP; Ahkong QF; et al, Invest Radiol 1990; **25:** S65

paramagnetic pyrophosphate: preliminary studies on magnetic resonance contrast enhancement of acute myocardial infarction, Maurer AH; Knight LC; Siegel JA; et al, Invest Radiol 1990; **25:** 153

perfluoroctylbromide as a gastrointestinal contrast agent for MR imaging: use with and without glucagon, Brown JJ; Duncan JR; Heiken JP; Balfe DM; Corr AP; Mirowitz SA; Eilenberg SS; Lee JKT, Radiology 1991; **181:** 455

perfluorooctylbromide: a new contrast agent for CT, sonography, and MR imaging, Mattrey RF, AJR 1989; **152:** 247

perfusion imaging with NMR contrast agents, Rosen BR; Belliveau JW; Vevea JM; et al, Magn Res Med 1990; **14:** 249

persistent and recurrent hyperparathyroidism: assessment with gadopentetate dimeglumine–enhanced MR imaging, Seelos KC; DeMarco R; Clark OH; Higgins CB, Radiology 1990; **177:** 373

pharmacokinetic and MRI study of unilamellar gadolinium-, manganese-, and iron-DTPA-stearate liposomes as organ-specific contrast agents, Schwendener RA; Wüthrich R; Duewell S; et al, Invest Radiol 1990; **25:** 922

pharmacokinetic parameters in CNS Gd-DTPA enhanced MR imaging, Brix G; Semmler W; Port R; et al, JCAT 1991; **15:** 621

pharmacokinetics of superparamagnetic iron-oxide MR contrast agents in the rat, Majumdar S; Zoghbi SS; Gore JC, Invest Radiol 1990; **25:** 771

phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; **1:** 47

phosphonate-modified GdDTPA complexes: I. NMRD study of the solution behavior of new tissue-specific contrast agents, Adzamli IK; Blau M, Magn Res Med 1991; **17:** 141

phosphonate-modified GdDTPA complexes: II. evaluation in a rat myocardial infarct model, Adzamli IK; Johnson D; Blau M, Invest Radiol 1991; **26:** 143

pituitary adenoma: correlation of half-dose gadolinium-enhanced MR imaging with surgical findings in 26 patients, Davis PC; Gokhale KA; Joseph GJ; Peterman SB; Adams DA; Tindall GT; Hudgins PA; Hoffman JC Jr, Radiology 1991; **180:** 779

pituitary adenomas and normal pituitary tissue: enhancement patterns on gadopentetate-enhanced MR imaging, Miki Y; Matsuo M; Nishizawa S; Kuroda Y; Keyaki A; Makita Y; Kawamura J, Radiology 1990; **177:** 35

pituitary microadenomas: diagnosis with two- and three-dimensional MR imaging at 1.5 T before and after injection of gadolinium, Stadnik TW; Stevenaert A; Beckers A; Luypaert RR; Buisseret T; Osteaux M, Radiology 1990; **176:** 419

polyclonal human immunoglubulin G labeled with polymeric iron oxide: antibody MR imaging, Weissleder R; Lee AS; Fischman AJ; Reimer P; Shen T; Wilkinson R; Callahan RJ; Brady TJ, Radiology 1991; **181:** 245

polyethylene-glycol-ferrioxamine: a new magnetic resonance contrast agent, von Schulthess GK; Duewell S; Jenny HB; et al, Invest Radiol 1990; **25:** S48

polymeric gastrointestinal MR contrast agents, Tilcock CP; Unger EC; Ahkong QF; Fritz T; Koenig SH; Brown RD III, JMRI 1991; **1:** 463

postoperative lumbar spine: contrast-enhanced chemical shift MR imaging, Bobman SA; Atlas SW; Listerud J; Grossman RI, Radiology 1991; **179:** 557

preclinical evaluation of MnDPDP: new paramagnetic hepatobiliary contrast agent for MR imaging, Elizondo G; Fretz CJ; Stark DD; Rocklage SM; Quay SC; Worah D; Tsang Y-M; Chen MC-M; Ferrucci JT, Radiology 1991; **178:** 73

preclinical profile of Gd-BOPTA: a liver-specific MRI contrast agent, Vittadini G; Felder E; Musu C; et al, Invest Radiol 1990; **25:** S59

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders, Torres GM; Erquiaga E; Ros PR; Burton SS; Barreda R; Langmo LS; Kennedy SJ, Radiographics 1991; **11:** 785

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders: invited commentary, Mitchell DG, Radiographics 1991; **11:** 792

principles, Saini S, AJR 1991; **156:** 236

projection arteriography and venography: initial clinical results with MR, Edelman RR; Wentz KU; Mattle HP; Zhao B; Liu C; Kim D; Laub G, Radiology 1989; **172:** 351

proton relaxation enhancement of albumin, immunoglobulin G, and fibrinogen labeled with Gd-DTPA, Paajanen H; Reisto T; Hemmilä I; et al, Magn Res Med 1990; **13:** 38

pseudolayering of Gd-DTPA in the urinary bladder, Elster AD; Sobol WT; Hinson WH, Radiology 1990; **174:** 379

quantitative study of relaxation rate enhancement produced by iron oxide particles in polyacrylamide gels and tissue, Majumdar S; Zoghbi SS; Pope CF; et al, Magn Res Med 1989; **9:** 185

radiologic screening for von Hippel-Lindau disease: the role of Gd-DTPA enhanced MR imaging of the CNS, Filling-Katz MR; Choyke PL; Patronas NJ; et al, JCAT 1989; **13:** 743

rapid-acquisition spin-echo MR imaging of the liver: a critical view, Mitchell DG, Radiology 1991; **179:** 609

rapid bolus injection of gadopentetate dimeglumine: absence of side effects in normal volunteers, Kashanian FK; Goldstein HA; Blumetti RF; et al, AJNR 1990; **11:** 853

recent developments in design, characterization, and understanding of MRI and MRS contrast media, Muller RN; Vallet P; Maton F; et al, Invest Radiol 1990; **25:** S34

receptor imaging: application to MR imaging of liver cancer, Reimer P; Weissleder R; Lee AS; Wittenberg J; Brady TJ, Radiology 1990; **177:** 729

relative and absolute tissue perfusion measured with magnetic resonance contrast agents, Wolf GL; Davis PL; Daly PF, Invest Radiol 1990; **25:** S42

renal lesion characterization with gadolinium-enhanced MR imaging: efficacy and safety in patients with renal insufficiency, Rofsky NM; Weinreb JC; Bosniak MA; Libes RB; Birnbaum BA, Radiology 1991; **180:** 85

renal masses: evaluation with gradient-echo Gd-DTPA–enhanced dynamic MR imaging, Eilenberg SS; Lee JKT; Brown JJ; Mirowitz SA; Tartar VM, Radiology 1990; **176:** 333

reperfused and nonreperfused myocardial infarction: diagnostic potential of Gd-DTPA–enhanced MR imaging, de Roos A; van Rossum AC; van der Wall EE; Postema S; Doornbos J; Matheijssen NAA; van Dijkman PRM; Visser FC; van Voorthuisen AE, Radiology 1989; **172:** 717

reversible and irreversible injury in the reperfused myocardium: differentiation with contrast material–enhanced MR imaging, Saeed M; Wendland MF; Takehara Y; Higgins CB, Radiology 1990; **175:** 633

rheumatoid arthritis: evaluation of hypervascular and fibrous pannus with dynamic MR imaging enhanced with Gd-DTPA, König H; Sieper J; Wolf K-J, Radiology 1990; **176:** 473

role of liposomes in diagnostics imaging, Seltzer SE, Radiology 1989; **171:** 19

routine contrast enhancement for cranial magnetic resonance imaging: an analysis of its diagnostic value in adults, Kucharczyk W; Lee DH; McClarty B; et al, J Canad Assoc Radiol 1991; **42:** 199

sarcoidosis of the CNS: comparison of unenhanced and enhanced MR images, Sherman JL; Stern BJ, AJNR 1990; **11:** 915

signal alterations, artifacts and image distortion induced by a superparamagnetic contrast medium: a phantom study in a 0.3 tesla MR system, Holtås S; Wallengren NO; Ericsson A; et al, Acta Radiol 1990; **31:** 213

signal loss induced by superparamagnetic iron oxide particles in NMR spin–echo images: the role of diffusion, Rozenman Y; Zou X; Kantor HL, Magn Res Med 1990; **14:** 31

site-specific water proton relaxation enhancement of iron(III) chelates noncovalently bound to human serum albumin, Jenkins BG; Armstrong E; Lauffer RB, Magn Res Med 1991; **17:** 164

spinal cord sarcoidosis: a new finding at MR imaging with Gd-DTPA enhancement, Nesbit GM; Miller GM; Baker HL Jr; Ebersold MJ; Scheithauer B, Radiology 1989; **173:** 839

spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Sze G; Bravo S; Krol G, Radiology 1989; **170:** 849

subtracted synthetic images in Gd-DTPA enhanced MR, Suto Y; Caner BE; Tamagawa Y; et al, JCAT 1989; **13:** 925

sucrose polyester: a new oral contrast agent for MRI, Ballinger R; Magin RL; Webb AG, Magn Res Med 1991; **19:** 199

superparamagnetic contrast agents for magnetic resonance imaging, Gundersen HG; Bach-Gansmo T; Holtz E; et al, Invest Radiol 1990; **25:** S67

superparamagnetic iron oxide: clinical time-response study, Gandon Y; Heautot J-F; Brunet F; et al, Eur J Radiol 1991; **12:** 195

superparamagnetic iron oxide–enhanced MR imaging: pulse sequence optimization for detection of liver cancer, Fretz CJ; Elizondo G; Weissleder R; Hahn PF; Stark DD; Ferrucci JT Jr, Radiology 1989; **172:** 393

superparamagnetic iron oxide: pharmacokinetics and toxicity, Weissleder R; Stark DD; Engelstad BL; et al, AJR 1989; **152:** 167

superparamagnetic particles as gastrointestinal contrast agent in magnetic resonance imaging of lower abdomen, Niemi P; Katevuo K; Kormano M; et al, Acta Radiol 1990; **31:** 409

superparamagnetic particles as oral contrast medium in MR imaging of malignant lymphoma, Lönnemark M; Hemmingsson A; Bach-Gansmo T; et al, Acta Radiol 1991; **32:** 232

supratentorial and spinal cord hemangioblastomas: gadolinium enhanced MR appearance with pathologic correlation, Silbergeld J; Cohen WA; Maravilla KR; et al, JCAT 1989; **13:** 1048

synthesis and characterization of nonionic paramagnetic metal complexes as potential magnetic resonance imaging contrast agents, White DH; Rajagopalan R; Kuan K-T; et al, Invest Radiol 1990; **25:** S56

T1-weighted snapshot gradient-echo MR imaging of the abdomen, Holsinger-Bampton AE; Riederer SJ; Campeau NG; Ehman RL; Johnson CD, Radiology 1991; **181:** 25

tears of the anulus fibrosus: assessment with Gd-DTPA–enhanced MR imaging, Ross JS; Modic MT; Masaryk TJ, AJNR 1989; **10:** 1251

three-dimensional gadolinium-enhanced MR imaging of the breast: pulse sequence with fat suppression and magnetization transfer contrast. work in progress, Pierce WB; Harms SE; Flamig DP; Griffey RH; Evans WP; Hagans JE, Radiology 1991; **181:** 757

tolerance of extracellular contrast agents for magnetic resonance imaging, Weinmann H-J; Press W-R; Gries H, Invest Radiol 1990; **25:** S49

transfer index of MR relaxation enhancer: a quantitative evaluation of MR contrast enhancement, Kaneoke Y; Furuse M; Yoshida K; et al, AJNR 1989; **10:** 329

ultrasmall superparamagnetic iron oxide: an intravenous contrast agent for assessing lymph nodes with MR imaging, Weissleder R; Elizondo G; Wittenberg J; Lee AS; Josephson L; Brady TJ, Radiology 1990; **175:** 494

ultrasmall superparamagnetic iron oxide: characterization of a new class of contrast agents for MR imaging, Weissleder R; Elizondo G; Wittenberg J; Rabito CA; Bengele HH; Josephson L, Radiology 1990; **175:** 489

unenhanced and gadolinium-DTPA-enhanced MR imaging in postoperative evaluation in pediatric brain tumors, (ab), Dickman CA; Rekate HL; Bird CR; et al, Radiology 1990; **175:** 293

urinary bladder neoplasms: evaluation with contrast-enhanced MR imaging, Neuerburg JM; Bohndorf K; Sohn M; Teufl F; Günther RW; Daus HJ, Radiology 1989; **172:** 739

use of band-selectable digital filtering in magnetic resonance image enhancement, Mitchell DK; Nichols ST; Smith MR; et al, Magn Res Med 1989; **9:** 353

use of gadolinium-enhanced MR imaging for differentiating mucoceles from neoplasms in the paranasal sinuses, Lanzieri CF; Shah M; Krauss D; Lavertu P, Radiology 1991; **178:** 425

use of Gd-DTPA and fast gradient-echo and spin-echo MR imaging to demonstrate renal function in the rabbit, Carvlin MJ; Arger PH; Kundel HL; Axel L; Dougherty L; Kassab EA; Moore B, Radiology 1989; **170:** 705

use of magnetite particles as a contrast agent for MR imaging of the liver, Kawamura Y; Endo K; Watanabe Y; Saga T; Nakai T; Hikita H; Kagawa K; Konishi J, Radiology 1990; **174:** 357

use of paramagnetic chelated metal derivatives of polysaccharides and spin-labeled polysaccharides as contrast agents in magnetic resonance imaging, Bligh SWA; Harding CT; Sadler PJ; et al, Magn Res Med 1991; **17:** 516

value of subtraction images in the detection of hemorrhagic brain lesions on contrast-enhanced MR images, Hanna SL; Langston JW; Gronemeyer SA, AJNR 1991; **12:** 681

variation of contrast between different brain tissues with an MR snapshot technique, Klose U; Nägele T; Grodd W; Petersen D, Radiology 1990; **176:** 578

vascular mapping using albumin-(Gd-DTPA), an intravascular MR contrast agent, and projection MR imaging, Moseley ME; White DL; Wang S-c; et al, JCAT 1989; **13:** 215

Yb-DTPA, a novel contrast agent in magnetic resonance imaging: application to rat kidney, Sarkar SK; Rycyna RE; Lenkinski RE; et al, Magn Res Med 1991; **17:** 328

Magnetic resonance (MR), echo planar

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; **1:** 285

echo-planar imaging of diffusion and perfusion, Turner R; Le Bihan D; Chesnick AS, Magn Res Med 1991; **19:** 247

echo-planar imaging of intravoxel incoherent motion, Turner R; Le Bihan D; Maier J; Vavrek R; Hedges LK; Pekar J, Radiology 1990; **177:** 407

gastrointestinal tract: dynamic MR studies with echo-planar imaging, Stehling MK; Evans DF; Lamont G; Ordidge RJ; Howseman AM; Chapman B; Coxon R; Mansfield P; Hardcastle JD; Coupland RE, Radiology 1989; **171:** 41

GRASE (gradient- and spin-echo) MR imaging: a new fast clinical imaging technique, Feinberg DA; Oshio K, Radiology 1991; **181:** 597

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

Magnetic resonance (MR), experimental

9.4-T NMR microimaging studies of hepatic metastases of human colorectal tumors in nude mice, Sarkar SK; Clark RK; Rycyna RE; et al, Magn Res Med 1989; **12:** 268

acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA, Radiology 1990; **174:** 233

acute hematomas: effects of deoxygenation, hematocrit, and fibrin-clot formation and retraction on T2 shortening, Clark RA; Watanabe AT; Bradley WG Jr; Roberts JD, Radiology 1990; **175:** 201

acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

androgen sensitivity of rat prostate carcinoma studied by ^{31}P NMR spectroscopy, ^{1}H MR imaging, and ^{23}Na MR imaging, Vigneron DB; Hricak H; James TL; et al, Magn Res Med 1989; **11:** 152

anisotropic diffusion in human white matter: demonstration with MR techniques in vivo, Chenevert TL; Brunberg JA; Pipe JG, Radiology 1990; **177:** 401

apparatus for applying a mechanical massage to rat hearts inside a wide-bore NMR spectrometer, Kushnir T; Schwalb H; Yaroslavsky E; et al, Magn Res Med 1990; **15:** 392

bone marrow: ultrasmall superparamagnetic iron oxide for MR imaging, Senéterre E; Weissleder R; Jaramillo D; Reimer P; Lee AS; Brady TJ; Wittenberg J, Radiology 1991; **179:** 529

cerebral glucose is detectable by localized proton NMR spectroscopy in normal rat brain *in vivo*, Gyngell ML; Michaelis T; Hörstermann D; et al, Magn Res Med 1991; **19:** 489

chemical shift artifact: dependence on shape and orientation of the lipid-water interface, Smith RC; Lange RC; McCarthy SM, Radiology 1991; **181:** 225

comparison of cocurrent and countercurrent flow–related enhancement in MR imaging, Whittemore AR; Bradley WG; Jinkins JR, Radiology 1989; **170:** 265

comparison of Gd-BOPTA with Gd-DTPA in MR imaging of rat liver, Pavone P; Patrizio G; Buoni C; Tettamanti E; Passariello R; Musu C; Tirone P; Felder E, Radiology 1990; **176:** 61

demarcation of myocardial ischemia: magnetic susceptibility effect of contrast medium in MR imaging, Saeed M; Wendland MF; Tomei E; Rocklage SM; Quay SC; Moseley ME; Wolfe C; Higgins CB, Radiology 1989; **173:** 763

diffusion/microcirculation MRI in the rat brain, MacFall JR; Maki JH; Johnson GA; et al, Magn Res Med 1991; **19:** 305

diffusion/perfusion MR imaging of the brain: from structure to function, Le Bihan D, Radiology 1990; **177:** 328

diffusion-weighted imaging of kainic acid lesions in the rat brain, King MD; van Bruggen N; Ahier RG; et al, Magn Res Med 1991; **20:** 158

diffusion-weighted MR imaging of acute stroke: correlation with T2-weighted and magnetic susceptibility-enhanced MR imaging in cats, Moseley ME; Kucharczyk J; Mintorovitch J; et al, AJNR 1990; **11:** 423

diffusion-weighted MR imaging of anisotropic water diffusion in cat central nervous system, Moseley ME; Cohen Y; Kucharczyk J; Mintorovitch J; Asgari HS; Wendland MF; Tsuruda J; Norman D, Radiology 1990; **176:** 439

double-quantum surface-coil NMR studies of sodium and potassium in the rat brain, Lyon RC; Pekar J; Moonen CTW; et al, Magn Res Med 1991; **18:** 80

effect of aging and diet on proton NMR spectra of rat urine, Bell JD; Sadler PJ; Morris VC; et al, Magn Res Med 1991; **17:** 414

effect of chlorpromazine and methylprednisolone on NMR relaxation times in the normal cat brain, Barnes D; Harvey I; McDonald WI; et al, Magn Res Med 1991; **18:** 232

effect of tendon orientation on MR imaging signal intensity: a manifestation of the "magic angle" phenomenon, Erickson SJ; Cox IH; Hyde JS; Carrera GF; Strandt JA; Estkowski LD, Radiology 1991; **181:** 389

effects of 2.35-T MR imaging on natural killer cell cytotoxicity with and without interleukin-2, Prasad N; Lotzová E; Thornby JI; Taber KH, Radiology 1990; **175:** 261

evidence for a contribution of paramagnetic ions to water proton spin–lattice relaxation in normal and malignant mouse tissues, Negendank WG; Corbett T; Crowley MG; et al, Magn Res Med 1991; **18:** 280

experimental preparations and models for MRS, Balaban RS, Invest Radiol 1989; **24:** 948

first clinical trial of a new superparamagnetic iron oxide for use as an oral gastrointestinal contrast agent in MR imaging, Hahn PF; Stark DD; Lewis JM; Saini S; Elizondo G; Weissleder R; Fretz CJ; Ferrucci JT, Radiology 1990; **175:** 695

^{1}H and ^{31}P NMR and HPLC studies of mouse L1210 leukemia cell extracts: the effect of Au(I) and Cu(I) diphosphine complexes on the cell metabolism, Berners-Price SJ; Sant ME; Christopherson RI; et al, Magn Res Med 1991; **18:** 142

^{1}H COSY spectra of superfused brain slices of rat: *ex vivo* direct assignment of resonances, Gillet B; Mergui S; Beloeil J-C; et al, Magn Res Med 1989; **11:** 288

hemodynamic and hepatic pH responses to sodium bicarbonate and carbicarb during systemic acidosis, Shapiro JI; Whalen M; Chan L, Magn Res Med 1990; **16:** 403

high-resolution MR of the spinal cord in humans and rats, Carvlin MJ; Asato R; Hackney DB; et al, AJNR 1989; **10:** 13

inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Shaffer PB; Chandnani VP; Beltran J, Radiology 1991; **178:** 582

inappropriate use of a χ^2 test in modality comparison study of related samples, Mann FA; Hildebolt CF, Radiology 1991; **178:** 582

in vitro ^{31}P NMR spectroscopy of the reproductive organs of the male rat: an improved preparation method, van der Grond J; Seijkens D; Mali WPTM, Magn Res Med 1990; **15:** 462

in vivo high-resolution volume-selected proton spectroscopy and T_1 measurements in the dog brain, Galloway GJ; Field J; Rose SE; et al, Magn Res Med 1989; **9:** 288

larynx: MR imaging at 2.35 T, Kikinis R; Wolfensberger M; Boesch C; Martin E, Radiology 1989; **171:** 165

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; **180:** 31

localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Engelstad BL; White DL; Moseley ME; Stark DD, Radiology 1990; **176:** 467

magnetic resonance imaging of acute myocardial infarction in pigs using Gd-DTPA, Wikström M; Martinussen HJ; Wikström G; et al, Acta Radiol 1990; **31:** 619

magnetic resonance imaging reflects cartilage proteoglycan degradation in the rabbit knee, Paul PK; O'Byrne E; Blancuzzi V; et al, Skeletal Radiol 1991; **20:** 31

magnetic susceptibility effects of trabecular bone on magnetic resonance imaging of bone marrow, Rosenthal H; Thulborn KR; Rosenthal DI; et al, Invest Radiol 1990; **25:** 173

magnetization transfer contrast in MR imaging of the heart, Balaban RS; Chesnick S; Hedges K; Samaha F; Heineman FW, Radiology 1991; **180:** 671

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

manganese dipyridoxyl diphosphate: effect of dose, time, and pulse sequence on hepatic enhancement in rats, Nelson RC; Chezmar JL; Newberry LB; et al, Invest Radiol 1991; **26:** 569

metabolic and anatomic development of the chick embryo as studied by phosphorus-31 magnetic resonance spectroscopy and proton MRI, Moseley ME; Wendland MF; Darnell DK; et al, Pediatr Radiol 1989; **19:** 400

middle cerebral artery: determination of flow velocities with MR angiography, Mattle HP; Edelman RR; Wentz KU; Reis MA; Atkinson DJ; Ellert T, Radiology 1991; **181:** 527

MR imaging–based volume measurements of the hippocampal formation and anterior temporal lobe: validation studies, Jack CR Jr; Bentley MD; Twomey CK; Zinsmeister AR, Radiology 1990; **176:** 205

MRI quantitation of edema in focal cerebral ischemia in cats: correlation with cytochrome aa_3 oxidation state, Kline RA; Negendank WG; McCoy LE; et al, Magn Res Med 1990; **13:** 319

MRI signal loss due to microcirculation: phantom studies, Duewell S; Wüthrich R; Buck A; et al, Magn Res Med 1990; **14:** 347

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

multinuclear MR investigation of the metabolic response of the murine RIF-1 tumor to 5-fluorouracil chemotherapy, Sijens PE; Baldwin NJ; Ng TC, Magn Res Med 1991; **19:** 373

NMR characteristics of "visible" intracellular myocardial potassium in perfused rat hearts, Burstein D; Litt HI; Fossel ET, Magn Res Med 1989; **9:** 66

nuclear magnetic relaxation studies of the compartmentalized water in crosslinked polymer gels, Murase N; Watanabe T, Magn Res Med 1989; **9:** 1

oblique NMR imaging of the uterus in macaques: uterine response to estrogen stimulation, Waterton JC; Miller D; Dukes M; et al, Magn Res Med 1991; **20:** 228

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013

pathways for the synthesis of sorbitol from ^{13}C-labeled hexoses, pentose, and glycerol in renal papillary tissue, Jans AWH; Grunewald R-W; Kinne RKH, Magn Res Med 1989; **9:** 419

^{31}P NMR study of insulin effects on the isolated perfused rabbit urinary bladder, Fisher MJ; Dillon PF, Magn Res Med 1989; **9:** 53

pre- and postmortem diffusion coefficients in rat neural and muscle tissues, MacFall JR; Maki JH; Johnson GA; et al, Magn Res Med 1991; **20:** 89

proton NMR microscopy of multicellular tumor spheroid morphology, Sillerud LO; Freyer JP; Neeman M; et al, Magn Res Med 1990; **16:** 380

quantification of fluid changes in rat leg joints with adjuvant arthritis by a one-dimensional magnetic resonance imaging experiment, Borah B; Szeverenyi NM, Magn Res Med 1990; **15:** 246

real-time interactive color flow MR imaging, Riederer SJ; Wright RC; Ehman RL; Rossman PJ; Holsinger-Bampton AE; Hangiandreou NJ; Grimm RC, Radiology 1991; **181:** 33

rebound alkalosis and persistent lactate: multinuclear (^{1}H, ^{13}C, ^{31}P) NMR spectroscopic studies in rats, Nakada T; Houkin K; Hida K; et al, Magn Res Med 1991; **18:** 9

reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G, Radiology 1989; **172:** 53

restricted and anisotropic displacement of water in healthy cat brain and in stroke studied by NMR diffusion imaging, Moonen CTW; Pekar J; de Vleeschouwer MHM; et al, Magn Res Med 1991; **19:** 327

role of iron and ferritin in MR imaging of the brain: a study in primates at different field strengths, Bizzi A; Brooks RA; Brunetti A; Hill JM; Alger JR; Miletich RS; Francavilla TL; Di Chiro G, Radiology 1990; **177:** 59

safety of 4-T MR imaging: study of effects on developing frog embryos, Prasad N; Wright DA; Ford JJ; Thornby JI, Radiology 1990; **174:** 251

segmented turboFLASH: method for breath-hold MR imaging of the liver with flexible contrast, Edelman RR; Wallner B; Singer A; Atkinson DJ; Saini S, Radiology 1990; **177:** 515

sodium-23 MR imaging of the kidney in guinea pig at 2.1 T, following arterial, venous, and ureteral ligation, Maeda M; Seo Y; Murakami M; et al, Magn Res Med 1990; **16:** 361

sodium flux and bioenergetics in the ischemic rat liver, Blum H; Osbakken MD; Johnson RG Jr, Magn Res Med 1991; **18:** 348

sodium MRI with coated magnetite: measurement of extravascular lung water in rats, Lancaster L; Bogdan AR; Kundel HL; et al, Magn Res Med 1991; **19:** 96

spin–lattice relaxation time measurements using hybrid CSI—phantom study, Hornak JP; Smith AC; Szumowski J, Magn Res Med 1990; **13:** 398

success of acute thrombolytic therapy in acute myocardial infarction: what does it demand from cardiac imaging in the 1990s?, Higgins CB, Radiology 1989; **172:** 17

T1-weighted snapshot gradient-echo MR imaging of the abdomen, Holsinger-Bampton AE; Riederer SJ; Campeau NG; Ehman RL; Johnson CD, Radiology 1991; **181:** 25

T2 values in the human brain: comparison with quantitative assays of iron and ferritin, Chen JC; Hardy PA; Clauberg M; Joshi JG; Parravano J; Deck JHN; Henkelman RM; Becker LE; Kucharczyk W, Radiology 1989; **173:** 521

temperature mapping with MR imaging of molecular diffusion: application to hyperthermia, Le Bihan D; Delannoy J; Levin RL, Radiology 1989; **171:** 853

use of magnetite particles as a contrast agent for MR imaging of the liver, Kawamura Y; Endo K; Watanabe Y; Saga T; Nakai T; Hikita H; Kagawa K; Konishi J, Radiology 1990; **174:** 357

use of magnetization transfer contrast in gradient-recalled echo images, Dixon WT, Radiology 1991; **179:** 15

variable NMR visibility of intracellular sodium induced by Na^{+}-substrate cotransport in dog cortical tubules, Ammann H; Boulanger Y; Vinay P, Magn Res Med 1990; **16:** 368

visibility of the ^{1}H NMR signal of ethanol in the dog brain, Moxon LN; Rose SE; Haseler LJ; et al, Magn Res Med 1991; **19:** 340

Magnetic resonance (MR), fat suppression

atypical appearance of lipomatous tumors on MR images: high signal intensity with fat-suppression STIR sequences, Murphy WD; Hurst GC; Duerk JL; Feiglin DH; Christopher M; Bellon EM, JMRI 1991; **1:** 477

combined chemical-shift and phase-selective imaging for fat suppression: theory and initial clinical experience, Chan TW; Listerud J; Kressel HY, Radiology 1991; **181:** 41

fast short-tau inversion-recovery MR imaging, Fleckenstein JL; Archer BT; Barker BA; Vaughan JT; Parkey RW; Peshock RM, Radiology 1991; **179:** 499

high-intensity signals within the posterior pituitary fossa: a study with fat-suppression MR techniques, Mark LP; Haughton VM; Hendrix LE; et al, AJNR 1991; **12:** 529

high-intensity signals within the posterior pituitary fossa: a study with fat-suppression MR techniques, Mark LP; Haughton VM; Hendrix LE; et al, AJR 1991; **157:** 389

intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, Tien RD; Chu PK; Hesselink JR; et al, AJNR 1991; **12:** 245

MR fat suppression combined with Gd-DTPA enhancement in optic neuritis and perineuritis, Tien RD; Hesselink JR; Szumowski J, JCAT 1991; **15:** 223

optic neuritis and orbital lesions: lipid-suppressed chemical shift MR imaging, Lee DH; Simon JH; Szumowski J; Feasby TE; Karlik SJ; Fox AJ; Pelz DM, Radiology 1991; **179:** 543

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

Magnetic resonance (MR), flow studies

See Magnetic resonance (MR), vascular studies

Magnetic resonance (MR), fluorine studies

complementary roles of PET and MR spectroscopy in the management of brain tumors, Alavi A; Alavi JB; Lenkinski RE, Radiology 1990; **177:** 617

experimental approach to using extrinsic fluorine-19 in magnetic resonance imaging, Yoshikawa K; Yamada S; Shiono T; et al, Invest Radiol 1990; **25:** S46

^{19}F nuclear magnetic resonance imaging of drug distribution *in vivo*: the disposition of an antifolate anticancer drug in mice, Maxwell RJ; Frenkiel TA; Newell DR; et al, Magn Res Med 1991; **17:** 189

hydrogen/fluorine retuning tomography. applications to ^{1}H image-guided volume-selective ^{19}F spectroscopy and relaxometry of perfluorocarbon emulsions in tissue, Schnur G; Kimmich R; Lietzenmayer R, Magn Res Med 1990; **13:** 478

in situ assessment of tumor vascularity using fluorine NMR imaging, Ceckler TL; Gibson SL; Hilf R; et al, Magn Res Med 1990; **13:** 416

in vivo monitoring of changes in 5-fluorouracil metabolism induced by methotrexate measured by ^{19}F NMR spectroscopy, Koutcher JA; Sawyer RC; Kornblith AB; et al, Magn Res Med 1991; **19:** 113

metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET, Alger JR; Frank JA; Bizzi A; Fulham MJ; DeSouza BX; Duhaney MO; Inscoe SW; Black JL; van Zijl PCM; Moonen CTW; Di Chiro G, Radiology 1990; **177:** 633

phenomenon of separate intra- and extracellular resonances of difluorophosphate in ^{31}P and ^{19}F NMR spectra of erythrocytes, Xu ASL; Potts JR; Kuchel PW, Magn Res Med 1991; **18:** 193

tissue oxygenation: a novel determination using ^{19}F surface coil NMR spectroscopy of sequestered perfluorocarbon emulsion, Mason RP; Nunnally RL; Antich PP, Magn Res Med 1991; **18:** 71

Magnetic resonance (MR), high-field-strength imaging

comparison of CT, low-field-strength MR imaging, and high-field-strength MR imaging: work in progress, Orrison WW Jr; Stimac GK; Stevens EA; LaMasters DL; Espinosa MC; Cobb L; Mettler FA Jr, Radiology 1991; **181:** 121

MR image contrast at high field strength, Vinitski S; Griffey RH, JMRI 1991; **1:** 451

Magnetic resonance (MR), image display

application of a connected-voxel algorithm to MR angiographic data, Saloner D; Hanson WA; Tsuruda JS; van Tyen R; Anderson CM; Lee RE, JMRI 1991; **1:** 423

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

brain surface cortical sulcal lengths: quantification with three-dimensional MR imaging, Vannier MW; Brunsden BS; Hildebolt CF; Falk D; Cheverud JM; Figiel GS; Perman WH; Kohn LA; Robb RA; Yoffie RL; Bresina SJ, Radiology 1991; **180:** 479

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

EEG scalp electrode projection onto three-dimensional surface rendered images of the brain, Jack CR Jr; Marsh WR; Hirschorn KA; Sharbrough FW; Cascino GD; Karwoski RA; Robb RA, Radiology 1990; **176:** 413

impact of section doubling on lesion contrast, Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L, Radiology 1991; **180:** 123

intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Ruggieri PM; Laub GA; Masaryk TJ; Modic MT, Radiology 1989; **171:** 785

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

lung parenchyma: projection reconstruction MR imaging, Bergin CJ; Pauly JM; Macovski A, Radiology 1991; **179:** 777

multidimensional interactive display of CT and MRI data, Fishman EK; Ney DR, Comput Med Imag Graph 1990; **14:** 237

multimodality imaging of brain structures for stereotactic surgery, Zhang J; Levesque MF; Wilson CL; Harper RM; Engel J Jr; Lufkin R; Behnke EJ, Radiology 1990; **175:** 435

phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, Hausmann R; Lewin JS; Laub G, JMRI 1991; **1:** 415

registration of three-dimensional MR and PET images of the human brain without markers, Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW, Radiology 1991; **181:** 731

reversal of tumor location on MR images, Phatak MG; Frank SJ; Horowitz AL; Iwanik DO; Chandrasekhar H, Radiology 1990; **175:** 283

salient features of MR angiography, Haacke EM; Masaryk TJ, Radiology 1989; **173:** 611

simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA, JMRI 1991; **1:** 399

stereoscopic display of MR angiograms, Wentz KU; Mattle HP; Edelman RR; et al, Neuroradiol 1991; **33:** 123

three-dimensional reconstructed MR imaging of the inner ear, Tanioka H; Shirakawa T; Machida T; Sasaki Y, Radiology 1991; **178:** 141

volumetric rendering of MR images, Rusinek H; Mourino MR; Firooznia H; Weinreb JC; Chase NE, Radiology 1989; **171:** 269

Magnetic resonance (MR), image processing

adaptive motion compensation in MR imaging without use of navigator echoes, Felmlee JP; Ehman RL; Riederer SJ; Korin HW, Radiology 1991; **179:** 139

adaptive technique for high-definition MR imaging of moving structures, Ehman RL; Felmlee JP, Radiology 1989; **173:** 255

adaptive technique for three-dimensional MR imaging of moving structures, Korin HW; Felmlee JP; Ehman RL; Riederer SJ, Radiology 1990; **177:** 217

Alzheimer disease: measuring loss of cerebral gray matter with MR imaging, Rusinek H; de Leon MJ; George AE; Stylopoulos LA; Chandra R; Smith G; Rand T; Mourino MR; Kowalski H, Radiology 1991; **178:** 109

analysis of brain and cerebrospinal fluid volumes with MR imaging: part I. methods, reliability, and validation, Kohn MI; Tanna NK; Herman GT; Resnick SM; Mozley PD; Gur RE; Alavi A; Zimmerman RA; Gur RC, Radiology 1991; **178:** 115

application of a connected-voxel algorithm to MR angiographic data, Saloner D; Hanson WA; Tsuruda JS; van Tyen R; Anderson CM; Lee RE, JMRI 1991; **1:** 423

applications of voxel shifting in magnetic resonance imaging, Kramer D; Li A; Simovsky I; et al, Invest Radiol 1990; **25:** 1305

brain and cerebrospinal fluid volume: measurement with MR imaging, Jack CR Jr, Radiology 1991; **178:** 22

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

cerebral MR angiography with multiple overlapping thin slab acquisition: part I. quantitative analysis of vessel visibility, Blatter DD; Parker DL; Robison RO, Radiology 1991; **179:** 805

clinical comparison of three-dimensional MP-RAGE and FLASH techniques for MR imaging of the head, Runge VM; Kirsch JE; Thomas GS; Mugler JP III, JMRI 1991; **1:** 493

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

computing material-selective projection images in MR, Wright GA; Brosnan TJ; Macovski A; et al, Magn Res Med 1989; **11:** 135

encoding strategies for three-direction phase-contrast MR imaging of flow, Pelc NJ; Bernstein MA; Shimakawa A; Glover GH, JMRI 1991; **1:** 405

evaluation of a simple method for reconstructing asymmetrically sampled echo data, Mugler JP III; Brookeman JR, JMRI 1991; **1:** 487

extracranial carotid arteries: evaluation with "black blood" MR angiography, Edelman RR; Mattle HP; Wallner B; Bajakian R; Kleefield J; Kent C; Skillman JJ; Mendel JB; Atkinson DJ, Radiology 1990; **177:** 45

full-frame transform compression of CT and MR images, Chan KK; Lou S-L; Huang HK, Radiology 1989; **171:** 847

image processing on Macintosh II: a practical boundary finding algorithm for biomedical measurement, Wang J-Z; Mezrich RS; Sebok DA, Comput Med Imag Graph 1990; **14:** 163

image reconstruction from Fourier domain data sampled along a zig-zag trajectory, Yan H; Braun M, Magn Res Med 1991; **18:** 405

information preserving image compression for archiving NMR images, Li CC; Gokmen M; Hirschman AD; et al, Comput Med Imag Graph 1991; **15:** 277

lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327

magnetic resonance imaging phase encoding: a pictorial essay, Felmlee JP; Morin RL; Salutz JR; Lund GB, Radiographics 1989; **9:** 717

measurement of abdominal fat with T1-weighted MR images, Lancaster JL; Ghiatas AA; Alyassin A; Kilcoyne RF; Bonora E; DeFronzo RA, JMRI 1991; **1:** 363

measuring signal-to-noise ratios in MR imaging, Kaufman L; Kramer DM; Crooks LE; Ortendahl DA, Radiology 1989; **173:** 265

modified iterative model based on data extrapolation method to reduce Gibbs ringing, Amartur S; Haacke EM, JMRI 1991; **1:** 307

MR angiography with oblique gradient-recalled echo technique, Brown DG; Riederer SJ; Jack CR; Farzaneh F; Ehman RL, Radiology 1990; **176:** 461

MR angiography with two-dimensional acquisition and three-dimensional display: work in progress, Keller PJ; Drayer BP; Fram EK; Williams KD; Dumoulin CL; Souza SP, Radiology 1989; **173:** 527

MR examination of the knee: interpretation with multiscreen digital workstation vs hardcopy format, Brown JJ; Malchow SC; Totty WG; et al, AJR 1991; **157:** 81

noise reduction for T_2 derived magnetic resonance images, Buhle EL Jr; Bloch P; Lenkinski RE, Comput Med Imag Graph 1990; **14:** 185

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, Hausmann R; Lewin JS; Laub G, JMRI 1991; **1:** 415

phase-offset multiplanar (POMP) volume imaging: a new technique, Glover GH, JMRI 1991; **1:** 457

projection arteriography and venography: initial clinical results with MR, Edelman RR; Wentz KU; Mattle HP; Zhao B; Liu C; Kim D; Laub G, Radiology 1989; **172:** 351

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551

quantitative comparison of the TERA modeling and DFT magnetic resonance image reconstruction techniques, Smith MR; Nichols ST; Constable RT; et al, Magn Res Med 1991; **19:** 1

radiologist and computer: a partnership in clinical radiology for the 1990s?, Simon JH, Radiology 1990; **175:** 321

registration of three-dimensional MR and PET images of the human brain without markers, Kapouleas I; Alavi A; Alves WM; Gur RE; Weiss DW, Radiology 1991; **181:** 731

signal-to-noise in phase angle reconstruction: dynamic range extension using phase reference offsets, Conturo TE; Smith GD, Magn Res Med 1990; **15:** 420

simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA, JMRI 1991; **1:** 399

spatial and temporal registration of cardiac SPECT and MR images: methods and evaluation, Faber TL; McColl RW; Opperman RM; Corbett JR; Peshock RM, Radiology 1991; **179:** 857

surface of the brain: three-dimensional MR images created with volume rendering, Levin DN; Hu X; Tan KK; Galhotra S, Radiology 1989; **171:** 277

three-dimensional reconstructed MR imaging of the inner ear, Tanioka H; Shirakawa T; Machida T; Sasaki Y, Radiology 1991; **178:** 141

true water and fat MR imaging with use of multiple-echo acquisition, Williams SCR; Horsfield MA; Hall LD, Radiology 1989; **173:** 249

two-volume acquisition in image-guided proton spectroscopy, Hafner H-P; Radü E; Seelig J, Magn Res Med 1990; **15:** 135

volumetric rendering of MR images, Rusinek H; Mourino MR; Firooznia H; Weinreb JC; Chase NE, Radiology 1989; **171:** 269

whole-body echo-planar MR imaging at 0.5 T, Stehling MK; Howseman AM; Ordidge RJ; Chapman B; Turner R; Coxon R; Glover P; Mansfield P; Coupland RE, Radiology 1989; **170:** 257

why MEM does not work in MR image reconstruction, Constable RT; Henkelman RM, Magn Res Med 1990; **14:** 12

Magnetic resonance (MR), in infants and children

abdominal magnetic resonance imaging, Harris TM; Cohen MD, Pediatr Radiol 1989; **20:** 10

adaptive technique for three-dimensional MR imaging of moving structures, Korin HW; Felmlee JP; Ehman RL; Riederer SJ, Radiology 1990; **177:** 217

adrenal hemorrhage and renal vein thrombosis in the newborn: MR imaging, Brill PW; Jagannath A; Winchester P; Markisz JA; Zirinsky K, Radiology 1989; **170:** 95

age-dependent changes in localized proton and phosphorus MR spectroscopy of the brain, van der Knaap MS; van der Grond J; van Rijen PC; Faber JAJ; Valk J; Willemse K, Radiology 1990; **176:** 509

brain MR imaging in children with developmental retardation of unknown cause: results in 76 cases, Kjos BO; Umansky R; Barkovich AJ, AJNR 1990; **11:** 1035

cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441

cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; **177:** 326

comparison of plain and Gd-DTPA-enhanced MR-imaging in children, Baierl P; Mühlsteffen A; Haustein J; et al, Pediatr Radiol 1990; **20:** 515

congenital neuroblastoma: evaluation with multimodality imaging, Forman HP; Leonidas JC; Berdon WE; Slovis TL; Wood BP; Samudrala R, Radiology 1990; **175:** 365

correlative pediatric imaging, Garty I; Delbeke D; Sandler MP, J Nucl Med 1989; **30:** 15

cranial bone marrow in children: assessment of normal development with MR imaging, Okada Y; Aoki S; Barkovich AJ; Nishimura K; Norman D; Kjos BO; Brasch RC, Radiology 1989; **171:** 161

cranial MR imaging with Gd-DTPA in neonates and young infants: preliminary experience, Elster AD, Radiology 1990; **176:** 225

development of the human cerebellum observed with high-field-strength MR imaging, Stricker T; Martin E; Boesch C, Radiology 1990; **177:** 431

evaluation of potential practical oral contrast agents for pediatric magnetic resonance imaging: preliminary observations, Bisset GS III, Pediatr Radiol 1989; **20:** 61

extracorporeal membrane oxygenation in infants: angiographic and parenchymal evaluation of the brain with MR imaging, Lewin JS; Masaryk TJ; Modic MT; Ross JS; Stork EK; Wiznitzer M, Radiology 1989; **173:** 361

gadopentetate dimeglumine-enhanced MR imaging in children following surgery for brain tumor: spectrum of meningeal findings, Hudgins PA; Davis PC; Hoffman JC Jr, AJR 1991; **156:** 1237

Gd-DTPA–enhanced cranial MR imaging in children: initial clinical experience and recommendations for its use, Elster AD; Rieser GD, AJR 1989; **153:** 1265

height of normal pituitary gland as a function of age evaluated by magnetic resonance imaging in children, Argyropoulou M; Perignon F; Brunelle F; et al, Pediatr Radiol 1991; **21:** 247

^{1}H NMR studies of urine from premature and sick babies, Brown JCC; Mills GA; Sadler PJ; et al, Magn Res Med 1989; **11:** 193

magnetic resonance imaging in children with acute hip pain, Ranner G; Ebner F; Fotter R; et al, Pediatr Radiol 1989; **20:** 67

magnetic resonance imaging in congenital heart disease of newborns: preliminary results in 23 patients, Kastler B; Livolsi A; Germain P; et al, Eur J Radiol 1990; **10:** 109

magnetic resonance imaging of the aorta in children, Burrows PE, Semin US CT MR 1990; **11:** 221

magnetic resonance imaging of the infant heart at 1.5 T, Smith MA; Baker EJ; Ayton VT; et al, Br J Radiol 1989; **62:** 367

magnetic resonance imaging of the pediatric airway: compared with findings at surgery and/or endoscopy, Auringer ST; Bisset GS III; Myer CM III, Pediatr Radiol 1991; **21:** 329

mapping of normal brain maturation in infants on phase-sensitive inversion–recovery MR images, Christophe C; Muller MF; Balériaux D; et al, Neuroradiol 1990; **32:** 173

metabolic and destructive brain disorders in children: findings with localized proton MR spectroscopy, Grodd W; Krägeloh-Mann I; Klose U; Sauter R, Radiology 1991; **181:** 173

monitoring sedated pediatric patients during MR imaging, Shellock FG, Radiology 1990; **177:** 586

MR assessment of myelination in infants and children: usefulness of marker sites, Bird CR; Hedberg M; Drayer BP; et al, AJNR 1989; **10:** 731

MR imaging of large hypothalamic hamartomas in two infants, Hubbard AM; Egelhoff JC, AJNR 1989; **10:** 1277

MR imaging of the abdomen in children, Boechat MI; Kangarloo H, AJR 1989; **152:** 1245

MR imaging of the various stages of normal myelination during the first year of life, van der Knaap MS; Valk J, Neuroradiol 1990; **31:** 459

MRI of two infants with tuberous sclerosis, Stricker T; Zuerrer M; Martin E; et al, Neuroradiol 1991; **33:** 175

MRI study of lumbosacral lipoma in children, Taviere V; Brunelle F; Baraton J; et al, Pediatr Radiol 1989; **19:** 316

normal and abnormal thymus in childhood: MR imaging, Siegel MJ; Glazer HS; Wiener JI; Molina PL, Radiology 1989; **172:** 367

normal deposition of brain iron in childhood and adolescence: MR imaging at 1.5 T, Aoki S; Okada Y; Nishimura K; Barkovich AJ; Kjos BO; Brasch RC; Norman D, Radiology 1989; **172:** 381

pachygyriclike changes: topographic appearance at MR imaging and CT and correlation with neurologic status, Titelbaum DS; Hayward JC; Zimmerman RA, Radiology 1989; **173:** 663

pediatric case of the day, Buonomo C; Griscom NT, Radiographics 1991; **11:** 1146

pediatric radiology. RSNA '88 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; Miller JH; Slovis TL, Radiology 1989; **170:** 600

pediatric radiology. RSNA '89 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; McAlister WH; Miller JH; Slovis TL; Wood BP, Radiology 1990; **174:** 600

pediatric radiology. RSNA '90 meeting notes, Wood BP; Bisset G III; McAlister W; Miller JH; Nelson MD Jr; Newman B; Slovis TL; Towbin R, Radiology 1991; **178:** 596

pediatric sedation, Cohen MD, Radiology 1990; **175:** 611

pediatric thoracic applications of magnetic resonance imaging, Bisset GS III, J Thorac Imag 1989; **4-2:** 51

prediction of neurodevelopmental outcome in the preterm infant: MR-staged myelination compared with cranial US, Guit GL; van de Bor M; den Ouden L; Wondergem JHM, Radiology 1990; **175:** 107

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US, Algra PR; Barkhof F; Valk J, Radiology 1990; **177:** 885

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US: reply, Guit GL; van de Bor M, Radiology 1990; **177:** 885

preoperative CT and MR imaging of ischiopagus twins, Donaldson JS; Luck SR; Vogelzang R, JCAT 1990; **14:** 643

prospective observations of 100 high-risk neonates by high-field (1.5 Tesla) magnetic resonance imaging of the center nervous system. I. intraventricular and extracerebral lesions. II. lesions associated with hypoxic-ischemic encephalopathy, (ab), Keeney SE; Adcock EW; McArdle CB, Radiology 1991; **181:** 615

proton MR spectroscopy of the brain in infants, Peden CJ; Cowan FM; Bryant DJ; et al, JCAT 1990; **14:** 886

rediscovery of infant feeding formula with magnetic resonance imaging, Gerscovich EO; McGahan JP; Buonocore MH; et al, Pediatr Radiol 1990; **20:** 147

sedation in children scanned with high-field magnetic resonance; the experience at The Hospital for Sick Children, Great Ormond Street, Shepherd JK; Hall-Craggs MA; Finn JP; et al, Br J Radiol 1990; **63:** 794

sedation of pediatric patients: an anesthesiologist's perspective, Fisher DM, Radiology 1990; **175:** 613

spatially localized magnetic resonance spectroscopy of the brains of normal and asphyxiated newborns, (ab), Moorcraft J; Bolas NM; Ives NK; et al, Radiology 1991; **181:** 615

tracheal compression and the innominate artery: MR evaluation in infants, Fletcher BD; Cohn RC, Radiology 1989; **170:** 103

variations in the in vivo P-31 MR spectra of the developing human brain during postnatal life: work in progress, Boesch C; Gruetter R; Martin E; Duc G; Wüthrich K, Radiology 1989; **172:** 197

Magnetic resonance (MR), interferometry

trabecular structure: preliminary application of MR interferometry, Wehrli FW; Ford JC; Attie M; Kressel HY; Kaplan FS, Radiology 1991; **179:** 615

Magnetic resonance (MR), intracavitary coils

cervical carcinoma: MR imaging with an endorectal surface coil, Milestone BN; Schnall MD; Lenkinski RE; Kressel HY, Radiology 1991; **180:** 91

Magnetic resonance (MR), low-field-strength imaging

comparison of CT, low-field-strength MR imaging, and high-field-strength MR imaging: work in progress, Orrison WW Jr; Stimac GK; Stevens EA; LaMasters DL; Espinosa MC; Cobb L; Mettler FA Jr, Radiology 1991; **181:** 121

T1 and T2 relaxation time estimates in the normal human brain, Agartz I; Sääf J; Wahlund L-O; Wetterberg L, Radiology 1991; **181:** 537

Magnetic resonance (MR), magnetization transfer contrast

magnetization transfer contrast: MR imaging of the knee, Wolff SD; Chesnick S; Frank JA; Lim KO; Balaban RS, Radiology 1991; **179:** 623

Magnetic resonance (MR), motion correction

adaptive motion compensation in MRI: accuracy of motion measurement, Felmlee JP; Ehman RL; Riederer SJ; et al, Magn Res Med 1991; **18:** 207

adaptive motion compensation in MR imaging without use of navigator echoes, Felmlee JP; Ehman RL; Riederer SJ; Korin HW, Radiology 1991; **179:** 139

applications of the intravoxel coherent motion technique to the central nervous system, Young IR; Doran MD; Hajnal JV, Magn Res Med 1991; **19:** 266

effect of bulk tissue motion on quantitative perfusion and diffusion magnetic resonance imaging, Chenevert TL; Pipe JG, Magn Res Med 1991; **19:** 261

effects of magnetic susceptibility artifacts and motion in evaluating the cervical neural foramina on 3DFT gradient-echo MR imaging, Tsuruda JS; Remley K, AJR 1991; **156:** 1069

experiments for two MR imaging theories of motion phase sensitivity, Moran PR, Radiology 1991; **180:** 115

interactive design of motion-compensated gradient waveforms with a personal computer spreadsheet program, Wendt RE III, JMRI 1991; **1:** 87

in vivo measurement of proton diffusion in the presence of coherent motion, Johnson GA; Maki JH, Invest Radiol 1991; **26:** 540

lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327

modified pulse sequence for *in vivo* diffusion imaging with reduced motion artifacts, Prasad PV; Nalcioglu O, Magn Res Med 1991; **18:** 116

PC-based system for retrospective cardiac and respiratory gating of NMR data, Bohning DE; Carter B; Liu S; et al, Magn Res Med 1990; **16:** 303

potential degradation in image quality due to selective averaging of phase-encoding lines in Fourier transform MRI, Mugler MP III, Magn Res Med 1991; **19:** 170

progressive gradient moment nulling design technique, Pipe JG; Chenevert TL, Magn Res Med 1991; **19:** 175

Magnetic resonance (MR), perfusion study

adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T, Radiology 1991; **180:** 229

bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535

comparison of diffusion- and T2-weighted MRI for the early detection of cerebral ischemia and reperfusion in rats, Mintorovitch J; Moseley ME; Chileuitt L; et al, Magn Res Med 1991; **18:** 39

diffusion and perfusion in high resolution NMR imaging and microscopy, Ahn CB; Cho ZH, Magn Res Med 1991; **19:** 228

diffusion/perfusion MR imaging of acute cerebral ischemia, Kucharczyk J; Mintorovitch J; Asgari HS; et al, Magn Res Med 1991; **19:** 311

does IVIM measure classical perfusion?, Henkelman RM, Magn Res Med 1990; **16:** 470

effect of bulk tissue motion on quantitative perfusion and diffusion magnetic resonance imaging, Chenevert TL; Pipe JG, Magn Res Med 1991; **19:** 261

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

magnetic resonance diffusion/perfusion phantom experiments, Lorenz CH; Pickens DR III; Puffer DB; et al, Magn Res Med 1991; **19:** 254

magnetic resonance: perfusion and diffusion imaging, Doran M; Bydder GM, Neuroradiol 1990; **32:** 392

magnetic resonance: RSNA '90 meeting notes, Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR, Radiology 1991; **178:** 907

maximization of contrast-to-noise ratio to distinguish diffusion and microcirculatory flow, Maki JH; Benveniste H; MacFall JR; Johnson GA, JMRI 1991; **1:** 39

measuring random microscopic motion of water in tissues with MR imaging: a cat brain study, Le Bihan D; Moonen CTW; van Zijl PCM; et al, JCAT 1991; **15:** 19

quantitative measurement of tissue perfusion and diffusion *in vivo*, Chenevert TL; Pipe JG; Williams DM; et al, Magn Res Med 1991; **17:** 197

renal artery stenosis: in vivo perfusion MR imaging, Powers TA; Lorenz CH; Holburn GE; Price RR, Radiology 1991; **178:** 543

ultrafast magnetic resonance imaging: diffusion and perfusion, Moseley ME; Sevick R; Wendland MF; et al, J Canad Assoc Radiol 1991; **42:** 31

Magnetic resonance (MR), phosphorus studies

abnormal testicular function: potential of P-31 MR spectroscopy in diagnosis, van der Grond J; Laven JSE; te Velde ER; Mali WPTM, Radiology 1991; **179:** 433

age-dependent changes in localized proton and phosphorus MR spectroscopy of the brain, van der Knaap MS; van der Grond J; van Rijen PC; Faber JAJ; Valk J; Willemse K, Radiology 1990; **176:** 509

AIDS dementia complex: brain high-energy phosphate metabolite deficits, Bottomley PA; Hardy CJ; Cousins JP; Armstrong M; Wagle WA, Radiology 1990; **176:** 407

alcoholic liver disease: quantitative image-guided P-31 MR spectroscopy, Meyerhoff DJ; Boska MD; Thomas AM; Weiner MW, Radiology 1989; **173:** 393

assessment of brain death in children by means of P-31 MR spectroscopy: preliminary note: work in progress, Kato T; Tokumaru A; O'uchi T; Mikami I; Umeda M; Nose K; Eguchi T; Hasegawa M; Okuyama K, Radiology 1991; **179:** 95

bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL, Radiology 1989; **173:** 181

chemical shift imaging of human brain: axial, sagittal, and coronal P-31 metabolite images, Vigneron DB; Nelson SJ; Murphy-Boesch J; Kelley DAC; Kessler HB; Brown TR; Taylor JS, Radiology 1990; **177:** 643

dermatomyositis: correlative MR imaging and P-31 MR spectroscopy for quantitative characterization of inflammatory disease, Park JH; Vansant JP; Kumar NG; Gibbs SJ; Curvin MS; Price RR; Partain CL; James AE Jr, Radiology 1990; **177:** 473

early detection of cerebral infarction by ^{31}P spectroscopic imaging, Sasahira M; Uchimura K; Yatsushiro K; et al, Neuroradiol 1990; **32:** 43

early metabolic changes following chemotherapy of human gliomas in vivo demonstrated by phosphorus magnetic resonance spectroscopy, Arnold DL; Shoubridge EA; Emrich J; et al, Invest Radiol 1989; **24:** 958

effect of cardiopulmonary bypass on brain and heart metabolism: a ^{31}P NMR study, Swain JA; Robbins RC; Balaban RS; et al, Magn Res Med 1990; **15:** 446

experimental approaches to image localized human ^{31}P NMR spectroscopy, Luyten PR; Groen JP; Vermeulen JWAH; et al, Magn Res Med 1989; **11:** 1

human in vivo NMR spectroscopy in diagnostic medicine: clinical tool or research probe?, Bottomley PA, Radiology 1989; **170:** 1

human leg neuromuscular diseases: P-31 MR spectroscopy, Bárány M; Siegel IM; Venkatasubramanian PN; Mok E; Wilbur AC, Radiology 1989; **172:** 503

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

improvement in ^{31}P NMR signal-to-noise for ATP *in vivo* using homonuclear decoupling, Berkowitz BA; Balaban RS, Magn Res Med 1989; **12:** 249

inflammatory myopathies: MR imaging and spectroscopy, Fraser DD; Frank JA; Dalakas MC, Radiology 1991; **179:** 341

inflammatory myopathies: MR imaging and spectroscopy: reply, Park JH; Gibbs SJ; Price RR; Partain CL; James AE Jr, Radiology 1991; **179:** 343

in vivo functioning of creatine phosphokinase in human forearm muscle, studied by ^{13}P NMR saturation transfer, Rees D; Smith MB; Harley J; et al, Magn Res Med 1989; **9:** 39

in vivo human testicular function assessed with P-31 MR spectroscopy, Chew WM; Hricak H; McClure RD; Wendland MF, Radiology 1990; **177:** 743

in vivo phosphorus-31 magnetic resonance spectroscopy of normal and pathological breast tissues, Redmond OM; Stack JP; O'Connor NG; et al, Br J Radiol 1991; **64:** 210

localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Engelstad BL; White DL; Moseley ME; Stark DD, Radiology 1990; **176:** 467

malignant hepatic tumors: P-31 MR spectroscopy with one-dimensional chemical shift imaging, Francis IR; Chenevert TL; Gubin B; Collumb L; Ensminger W; Walker-Andrews S; Glazer GM, Radiology 1991; **180:** 341

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

myocardial high-energy phosphate metabolism and allograft rejecton in patients with heart transplants, Bottomley PA; Weiss RG; Hardy CJ; Baumgartner WA, Radiology 1991; **181:** 67

normal and diffusely abnormal myocardium in humans: functional and metabolic characterization with P-31 MR spectroscopy and cine MR imaging, Auffermann W; Chew WM; Wolfe CL; Tavares NJ; Parmley WW; Semelka RC; Donnelly T; Chatterjee K; Higgins CB, Radiology 1991; **179:** 253

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811

P-31 MR spectroscopy in assessing testicular torsion: rat model, Tzika AA; Vigneron DB; Hricak H; Moseley ME; James TL; Kogan BA, Radiology 1989; **172:** 753

P-31 MR spectroscopy of normal human brain and brain tumors, Hubesch B; Sappey-Marinier D; Roth K; Meyerhoff DJ; Matson GB; Weiner MW, Radiology 1990; **174:** 401

P-31 spectroscopy study of response of superficial human tumors to therapy, Karczmar GS; Meyerhoff DJ; Boska MD; Hubesch B; Poole J; Matson GB; Valone F; Weiner MW, Radiology 1991; **179:** 149

peripheral arterial occlusive disease: P-31 MR spectroscopy of calf muscle, Williams DM; Fencil L; Chenevert TL, Radiology 1990; **175:** 381

phenomenon of separate intra- and extracellular resonances of difluorophosphate in ^{31}P and ^{19}F NMR spectra of erythrocytes, Xu ASL; Potts JR; Kuchel PW, Magn Res Med 1991; **18:** 193

phosphodiesters in the liver: the effect of field strength on the ^{31}P signal, Bates TE; Williams SR; Gadian DG, Magn Res Med 1989; **12:** 145

phosphorus-31 magnetic resonance spectroscopy in humans by spectroscopic imaging: localized spectroscopy and metabolite imaging, Twieg DB; Meyerhoff DJ; Hubesch B; et al, Magn Res Med 1989; **12:** 291

phosphorus-31 MRS of human testicular function and viability, Chew WM; Hricak H, Invest Radiol 1989; **24:** 997

phosphorus-31 MRS of the kidney, Hricak H, Invest Radiol 1989; **24:** 993

pH standardization for phosphorus-31 magnetic resonance heart spectroscopy at different temperatures, Kost GJ, Magn Res Med 1990; **14:** 496

^{31}P MRS of myocardial inorganic phosphate using radiofrequency gradient echoes, Gober JR; Schwartz GG; Schaefer S; et al, Magn Res Med 1991; **20:** 171

^{31}P NMR studies of ATP concentrations and P_i–ATP exchange in the rat kidney *in vivo*: effects of inhibiting and stimulating renal metabolism, Shine N; Xuan A; Weiner MW, Magn Res Med 1990; **14:** 445

^{31}P NMR study of insulin effects on the isolated perfused rabbit urinary bladder, Fisher MJ; Dillon PF, Magn Res Med 1989; **9:** 53

^{31}P NMR study of the GI tract: effect of fructose loading and measurement of transverse relaxation times, Karczmar GS; Tavares NJ; Weiner MW, Magn Res Med 1989; **9:** 8

^{31}P spectroscopy in thrombolytic treatment of experimental cerebral infarct, Lee BCP; Brock JM; Fan T; et al, AJNR 1989; **10:** 47

reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G, Radiology 1989; **172:** 53

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

Magnetic resonance (MR), physics

adaptive technique for high-definition MR imaging of moving structures, Ehman RL; Felmlee JP, Radiology 1989; **173:** 255

algorithm for MR imaging of the short T2 fraction of sodium using the FID signal, Ra JB; Hilal SK; Oh CH, JCAT 1989; **13:** 302

analysis of eddy currents in nuclear magnetic resonance imaging, Ahn CB; Cho ZH, Magn Res Med 1991; **17:** 149

automated iterative algorithm for the quantitative analysis of *in vivo* spectra based on the simplex optimization method, Lenkinski RE; Allman T; Scheiner JD; et al, Magn Res Med 1989; **10:** 338

cerebrospinal fluid shunts: flow measurements with MR imaging, Martin AJ; Drake JM; Lemaire C; Henkelman RM, Radiology 1989; **173:** 243

comparing the FAISE method with conventional dual-echo sequences, Melki PS; Mulkern RV; Panych LP; Jolesz FA, JMRI 1991; **1:** 319

comparison of cocurrent and countercurrent flow-related enhancement in MR imaging, Whittemore AR; Bradley WG; Jinkins JR, Radiology 1989; **170:** 265

compatibility of the two-site exchange model and ^1H NMR relaxation rates, Mulkern RV; Bleier AR; Sandor T; et al, Magn Res Med 1990; **14:** 377

computer simulation of T_2 decay effects in echo planar imaging, Oshio K; Singh M, Magn Res Med 1989; **11:** 389

continual NMR cardiography without gating: M-mode MR imaging, Pearlman JD; Hardy CJ; Cline HE, Radiology 1990; **175:** 369

correction of distortions due to the pulsed magnetic field gradient-induced shift in B_0 field by postprocessing, Jehenson P; Syrota A, Magn Res Med 1989; **12:** 253

coupled resonator model of the detection of nuclear magnetic resonance: radiation damping, frequency pushing, spin noise, and the signal-to-noise ratio, Guéron M, Magn Res Med 1991; **19:** 31

effects of velocity profile of to-and-fro pulsatile flow on magnetic resonance signal intensity, Fujita N; Harada K; Murakami T; et al, Magn Res Med 1990; **15:** 275

encoding strategies for three-direction phase-contrast MR imaging of flow, Pelc NJ; Bernstein MA; Shimakawa A; Glover GH, JMRI 1991; **1:** 405

estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T, Wright GA; Hu BS; Macovski A, JMRI 1991; **1:** 275

evaluation of the susceptibility effect on the phase images of a simple gradient echo, Yamada N; Imakita S; Sakuma T; Nishimura Y; Yamada Y; Naito H; Nishimura T; Takamiya M, Radiology 1990; **175:** 561

experiments for two MR imaging theories of motion phase sensitivity, Moran PR, Radiology 1991; **180:** 115

Fourier analysis of cerebrospinal fluid flow velocities: MR imaging study, Thomsen C; Ståhlberg F; Stubgaard M; Nordell B, Radiology 1990; **177:** 659

identification and boundary extraction of blobs in complex imagery, Jiang T; Merickel MB, Comput Med Imag Graph 1989; **13:** 369

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

impact of section doubling on lesion contrast, Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L, Radiology 1991; **180:** 123

important considerations in measurement of attractive force on metallic implants in MR imagers, Kagetsu NJ; Litt AW, Radiology 1991; **179:** 505

intravoxel incoherent motion imaging using spin echoes, Le Bihan D; Turner R, Magn Res Med 1991; **19:** 221

magnetic resonance imaging: physics and technical aspects, Vaughan B, Australas Radiol 1989; **33:** 34

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

magnetization transfer contrast (MTC) and tissue water proton relaxation *in vivo*, Wolff SD; Balaban RS, Magn Res Med 1989; **10:** 135

maximization of contrast-to-noise ratio to distinguish diffusion and microcirculatory flow, Maki JH; Benveniste H; MacFall JR; Johnson GA, JMRI 1991; **1:** 39

measurement of translational displacement probabilities by NMR: an indicator of compartmentation, Cory DG; Garroway AN, Magn Res Med 1990; **14:** 435

measuring signal-to-noise ratios in MR imaging, Kaufman L; Kramer DM; Crooks LE; Ortendahl DA, Radiology 1989; **173:** 265

method dependence of proton spin-lattice relaxation analysis in biologic tissues, Komu M; Alanen A; Määttänen H; et al, Acta Radiol 1989; **30:** 97

method for measuring three-dimensional motion with tagged MR imaging, Pipe JG; Boes JL; Chenevert TL, Radiology 1991; **181:** 591

modified iterative model based on data extrapolation method to reduce Gibbs ringing, Amartur S; Haacke EM, JMRI 1991; **1:** 307

MR image contrast at high field strength, Vinitski S; Griffey RH, JMRI 1991; **1:** 451

MR imaging of the vocal tract during vowel production, Lakshminarayanan AV; Lee S; McCutcheon MJ, JMRI 1991; **1:** 71

myocardial tagging in polar coordinates with use of striped tags, Bolster BD Jr; McVeigh ER; Zerhouni EA, Radiology 1990; **177:** 769

noninvasive measurement of transmural gradients in myocardial strain with MR imaging, McVeigh ER; Zerhouni EA, Radiology 1991; **180:** 677

peak assignment in automatic data analysis, Haselgrove J; Elliott M, Magn Res Med 1991; **17:** 496

phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, Hausmann R; Lewin JS; Laub G, JMRI 1991; **1:** 415

phase-offset multiplanar (POMP) volume imaging: a new technique, Glover GH, JMRI 1991; **1:** 457

physics of thin-section MR imaging at low field strength, Kramer DM; Guzman RJ; Carlson JW; Crooks LE; Kaufman L, Radiology 1989; **173:** 541

^{31}P NMR Bayesian spectral analysis of rat brain *in vivo*, Bretthorst GL; Kotyk JJ; Ackerman JJH, Magn Res Med 1989; **9:** 282

^{31}P NMR studies of the thermodynamics and kinetics of the creatine kinase reaction, Eldar H; Degani H, Magn Res Med 1989; **11:** 121

reduction of T2* dephasing in gradient field-echo imaging, Haacke EM; Tkach JA; Parrish TB, Radiology 1989; **170:** 457

relaxometry of lens homogenates. II. temperature dependence and comparison with other proteins, Beaulieu CF; Brown RD III; Clark JI; et al, Magn Res Med 1989; **10:** 362

renal artery stenosis: in vivo perfusion MR imaging, Powers TA; Lorenz CH; Holburn GE; Price RR, Radiology 1991; **178:** 543

role of iron and ferritin in MR imaging of the brain: a study in primates at different field strengths, Bizzi A; Brooks RA; Brunetti A; Hill JM; Alger JR; Miletich RS; Francavilla TL; Di Chiro G, Radiology 1990; **177:** 59

simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA, JMRI 1991; **1:** 399

simultaneous spatial and spectral selective excitation, Meyer CH; Pauly JM; Macovski A; et al, Magn Res Med 1990; **15:** 287

strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, Chien D; Atkinson DJ; Edelman RR, JMRI 1991; **1:** 63

temperature mapping with MR imaging of molecular diffusion: application to hyperthermia, Le Bihan D; Delannoy J; Levin RL, Radiology 1989; **171:** 853

true water and fat MR imaging with use of multiple-echo acquisition, Williams SCR; Horsfield MA; Hall LD, Radiology 1989; **173:** 249

use of magnetic particles for sensitizing MR images to blood flow, Hardy PA; Bronskill MJ; Belanger M-J; Henkelman RM, JMRI 1991; **1:** 431

use of magnetization transfer contrast in gradient-recalled echo images, Dixon WT, Radiology 1991; **179:** 15

use of radio-frequency field gradients to image blood flow and perfusion in vivo, Karczmar GS; Tavares NJ; Moseley ME, Radiology 1989; **172:** 363

velocity imaging of slow coherent flows using stimulated echoes, Caprihan A; Griffey RH; Fukushima E, Magn Res Med 1990; **15:** 327

whole-body echo-planar MR imaging at 0.5 T, Stehling MK; Howseman AM; Ordidge RJ; Chapman B; Turner R; Coxon R; Glover P; Mansfield P; Coupland RE, Radiology 1989; **170:** 257

Magnetic resonance (MR), pulse sequences

adrenal masses: evaluation with fast gradient-echo MR imaging and Gd-DTPA–enhanced dynamic studies, Krestin GP; Steinbrich W; Friedmann G, Radiology 1989; **171:** 675

analytical solution and verification of diffusion effect in SSFP, Carney CE; Wong STS; Patz S, Magn Res Med 1991; **19:** 240

application of reverse-DEPT polarization transfer pulse sequence to study the metabolism of carbon-13-labeled substrates in perfused organs by ^{1}H NMR spectroscopy, Desmoulin F; Confort-Gouny S; Masson S; et al, Magn Res Med 1990; **15:** 456

blood MR signal suppression by preexcitation with inverting pulses, Mayo JR; Culham JAG; MacKay AL; Aikins DG, Radiology 1989; **173:** 269

cardiac and vascular imaging with an MR snapshot technique, Matthaei D; Haase A; Henrich D; Dühmke E, Radiology 1990; **177:** 527

carotid body tumor: flow sensitive pulse sequences and MR angiography, Rippe DJ; Grist TM; Uglietta JP; et al, JCAT 1989; **13:** 874

clinical comparison of three-dimensional MP-RAGE and FLASH techniques for MR imaging of the head, Runge VM; Kirsch JE; Thomas GS; Mugler JP III, JMRI 1991; **1:** 493

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

combined gadolinium-enhanced and fat-saturation MR imaging of renal masses, Semelka RC; Hricak H; Stevens SK; Finegold R; Tomei E; Carroll PR, Radiology 1991; **178:** 803

comparing the FAISE method with conventional dual-echo sequences, Melki PS; Mulkern RV; Panych LP; Jolesz FA, JMRI 1991; **1:** 319

comparison of gradient-recalled-echo and T2-weighted spin-echo pulse sequences in intramedullary spinal lesions, Katz BH; Quencer RM; Hinks RS, AJNR 1989; **10:** 815

continual NMR cardiography without gating: M-mode MR imaging, Pearlman JD; Hardy CJ; Cline HE, Radiology 1990; **175:** 369

cooperative T_1 and T_2 effects on contrast using a new driven inversion spin-echo (DISE) MRI pulse sequence, Conturo TE; Kessler RM; Beth AH, Magn Res Med 1990; **15:** 397

delayed-focus pulses for magnetic resonance imaging: an evolutionary approach, Wu X-L; Xu P; Freeman R, Magn Res Med 1991; **20:** 165

design of practical selective pulses for magnetic resonance imaging and spectroscopy using SPINCALC, Morris PG; McIntyre DJO; Rourke DE; et al, Magn Res Med 1991; **17:** 33

detection of acute intracerebral hemorrhage on MR imaging: ineffectiveness of prolonged interecho interval pulse sequences, Weingarten K; Zimmerman RD; Cahill PT; et al, AJNR 1991; **12:** 475

diagnosis of abdominal venous thrombosis by means of spin-echo and gradient-echo MR imaging: analysis with receiver operating characteristic curves, Arrivé L; Menu Y; Dessarts I; Dubray B; Vullierme M-P; Vilgrain V; Najmark D; Nahum H, Radiology 1991; **181:** 661

diffusion imaging using stimulated echoes, Merboldt K-D; Hänicke W; Frahm J, Magn Res Med 1991; **19:** 233

dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Mirowitz SA; Brown JJ; Lee JKT; Heiken JP, Radiology 1991; **179:** 681

dynamic gadolinium-enhanced rapid acquisition spin-echo MR imaging of the liver, Mirowitz SA; Lee JKT; Gutierrez E; Brown JJ; Heiken JP; Eilenberg SS, Radiology 1991; **179:** 371

effect of differential saturation on the spatial localization performance of depth pulses, Michael D; Schleich T, Magn Res Med 1991; **18:** 294

effect of trabecular bone on the appearance of marrow in gradient-echo imaging of the appendicular skeleton, Sebag GH; Moore SG, Radiology 1990; **174:** 855

estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T, Wright GA; Hu BS; Macovski A, JMRI 1991; **1:** 275

evaluation of a newly discovered water suppression pulse sequence for high-field *in vivo* ^{1}H surface coil NMR spectroscopy, Alger JR; Brunetti A; Nagashima G; et al, Magn Res Med 1989; **11:** 73

extracranial carotid arteries: evaluation with "black blood" MR angiography, Edelman RR; Mattle HP; Wallner B; Bajakian R; Kleefield J; Kent C; Skillman JJ; Mendel JB; Atkinson DJ, Radiology 1990; **177:** 45

fast MR cardiac profiling with two-dimensional selective pulses, Cline HE; Hardy CJ; Pearlman JD, Magn Res Med 1991; **17:** 390

fast selective black blood MR imaging, Edelman RR; Chien D; Kim D, Radiology 1991; **181:** 655

fast short-tau inversion-recovery MR imaging, Fleckenstein JL; Archer BT; Barker BA; Vaughan JT; Parkey RW; Peshock RM, Radiology 1991; **179:** 499

fast time-of-flight MR angiography with improved background suppression, Edelman RR; Chien D; Atkinson DJ; Sandstrom J, Radiology 1991; **179:** 867

field-echo pulse sequences used under suspended respiration for detection of liver metastases, Andersson T; Nyman R; Ericsson A; et al, Acta Radiol 1989; **30:** 285

focal hepatic lesions: comparative MR imaging at 0.5 and 1.5 T, Steinberg HV; Alarcon JJ; Bernardino ME, Radiology 1990; **174:** 153

focal nodular hyperplasia of the liver: assessment with contrast-enhanced turboFLASH MR imaging, Mathieu D; Rahmouni A; Anglade M-C; Falise B; Beges C; Gheung P; Mollet JJ; Vasile N, Radiology 1991; **180:** 25

forty-millisecond MR imaging of the abdomen at 2.0 T, Saini S; Stark DD; Rzedzian RR; Pykett IL; Rummeny E; Hahn PF; Wittenberg J; Ferrucci JT Jr, Radiology 1989; **173:** 111

Fourier analysis of cerebrospinal fluid flow velocities: MR imaging study, Thomsen C; Ståhlberg F; Stubgaard M; Nordell B, Radiology 1990; **177:** 659

heart wall motion: improved method of spatial modulation of magnetization for MR imaging, Axel L; Dougherty L, Radiology 1989; **172:** 349

hepatic neoplasia: breath-hold MR imaging, Winkler ML; Thoeni RF; Luh N; Kaufman L; Margulis AR, Radiology 1989; **170:** 801

hepatic tumors: quantitative tissue characterization with MR imaging, Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT, Radiology 1990; **176:** 107

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

improved fat suppression in STIR MR imaging: selecting inversion time through spectral display, Shuman WP; Lambert DT; Patten RM; Baron RL; Tazioli PK, Radiology 1991; **178:** 885

improved metabolite editing by the 1D soft COSY technique with 270° Gaussian-shaped pulses, Stryjewski D; Leibfritz D, Magn Res Med 1990; **15:** 340

improved MR images of the brain with use of a gated, flow-compensated, variable-bandwidth pulse sequence, Enzmann D; Augustyn GT, Radiology 1989; **172:** 777

influence of pulse sequence on the relaxation effects of superparamagnetic iron oxide contrast agents, Majumdar S; Zoghbi SS; Gore JC, Magn Res Med 1989; **10:** 289

interactive design of motion-compensated gradient waveforms with a personal computer spreadsheet program, Wendt RE III, JMRI 1991; **1:** 87

intracranial circulation: preliminary clinical results with three-dimensional (volume) MR angiography, Masaryk TJ; Modic MT; Ross JS; Ruggieri PM; Laub GA; Lenz GW; Haacke EM; Selman WR; Wiznitzer M; Harik SI, Radiology 1989; **171:** 793

intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Ruggieri PM; Laub GA; Masaryk TJ; Modic MT, Radiology 1989; **171:** 785

intracranial hemorrhagic lesions: evaluation with spin-echo and gradient-refocused MR imaging at 0.5 and 1.5 T, Seidenwurm D; Meng T-K; Kowalski H; Weinreb JC; Kricheff II, Radiology 1989; **172:** 189

intracranial vascular lesions: optimization and clinical evaluation of three-dimensional time-of-flight MR angiography, Marchal G; Bosmans H; Van Fraeyenhoven L; Wilms G; Van Hecke P; Plets C; Baert AL, Radiology 1990; **175:** 443

liver and pancreas: improved spin-echo T1 contrast by shorter echo time and fat suppression at 1.5 T, Mitchell DG; Vinitski S; Saponaro S; Tasciyan T; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 67

liver metastases: detection with MR imaging at 0.5 and 1.5 T, Reinig JW; Dwyer AJ; Miller DL; Frank JA; Adams GW; Chang AE, Radiology 1989; **170:** 149

longitudinal spin-order-based pulse sequence for lactate editing, Reddy R; Subramanian VH; Clark BJ; et al, Magn Res Med 1991; **19:** 477

low flip angle gradient echo magnetic resonance imaging of the cervical spine at 0.3 tesla, Holtås S; Ståhlberg F; Nilsson H; et al, Acta Radiol 1989; **30:** 343

lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327

lung parenchyma: magnetic susceptibility in MR imaging, Bergin CJ; Glover GH; Pauly JM, Radiology 1991; **180:** 845

lung parenchyma: projection reconstruction MR imaging, Bergin CJ; Pauly JM; Macovski A, Radiology 1991; **179:** 777

magnetic resonance imaging: comparison of four pulse sequences in assessing primary bone tumours, Graif M; Pennock JM; Pringle J; et al, Skeletal Radiol 1989; **18:** 439

magnetization transfer contrast in MR imaging of the heart, Balaban RS; Chesnick S; Hedges K; Samaha F; Heineman FW, Radiology 1991; **180:** 671

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

making magnetic resonance images and beyond, Henkelman RM; Kucharczyk W; Bronskill MJ, J Canad Assoc Radiol 1990; **41:** 8

maximization of contrast-to-noise ratio to distinguish diffusion and microcirculatory flow, Maki JH; Benveniste H; MacFall JR; Johnson GA, JMRI 1991; **1:** 39

modified pulse sequence for *in vivo* diffusion imaging with reduced motion artifacts, Prasad PV; Nalcioglu O, Magn Res Med 1991; **18:** 116

motion-insensitive, steady-state free precession imaging, Zur Y; Wood ML; Neuringer LJ, Magn Res Med 1990; **16:** 444

motion-insensitive volume-selective pulse sequences for direct and proton-detected ^{13}C spectroscopy: detection of glycogen in the human liver *in vivo*, Knüttel A; Kimmich R; Spohn K-H, Magn Res Med 1991; **17:** 470

MR angiography with oblique gradient-recalled echo technique, Brown DG; Riederer SJ; Jack CR; Farzaneh F; Ehman RL, Radiology 1990; **176:** 461

MR fluoroscopy: initial clinical studies, Farzaneh F; Riederer SJ; Lee JN; Tasciyan T; Wright RC; Spritzer CE, Radiology 1989; **171:** 545

MR image contrast at high field strength, Vinitski S; Griffey RH, JMRI 1991; **1:** 451

MR imaging of coronary artery flow in isolated and in vivo hearts, Burstein D, JMRI 1991; **1:** 337

MR imaging of liver metastases at 1.5 T: similar contrast discrimination with T1- and T2-weighted pulse sequences, Saini S; Li W; Wallner B; Hahn PF; Edelman RR, Radiology 1991; **181:** 449

MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; **171:** 841

MR imaging of the breast: fast imaging sequences with and without Gd-DTPA. preliminary observations, Kaiser WA; Zeitler E, Radiology 1989; **170:** 681

MR imaging of the knee: comparison of three-dimensional FISP and two-dimensional spin-echo pulse sequences, Solomon SL; Totty WG; Lee JKT, Radiology 1989; **173:** 739

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

multiecho, spin-echo sequence to eliminate unwanted echoes, Zur Y; Zou X; Neuringer LJ, Magn Res Med 1991; **19:** 464

multiple echo SSFP sequences, Mizumoto CT; Yoshitome E, Magn Res Med 1991; **18:** 244

multiple slice FLASH imaging: an improved pulse sequence for contrast enhanced MR brain studies, Schörner W; Sander B; Henkes H; et al, Neuroradiol 1990; **32:** 474

multisite saturation transfer using DANTE and continuous wave, Clark JF; Harris GI; Dillon PF, Magn Res Med 1991; **17:** 274

musculoskeletal neoplasms: fast low-angle shot MR imaging with and without Gd-DTPA, Erlemann R; Vassallo P; Bongartz G; Müller-Miny H; Rummeny E; Stöber U; Peters PE, Radiology 1990; **176:** 489

new method for fast MR imaging of the knee, Harms SE; Flamig DP; Fisher CF; Fulmer JM, Radiology 1989; **173:** 743

NMR measurements of different tissue perfusion parameters, Dixon WT, Magn Res Med 1991; **19:** 210

optimizing MR imaging of the abdomen: the case for rapid-acquisition spin-echo MR imaging, Mirowitz SA; Lee JKT, Radiology 1991; **179:** 612

osteomyelitis: characteristics and pitfalls of diagnosis with MR imaging, Erdman WA; Tamburro F; Jayson HT; Weatherall PT; Ferry KB; Peshock RM, Radiology 1991; **180:** 533

phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, Hausmann R; Lewin JS; Laub G, JMRI 1991; **1:** 415

phase-offset multiplanar (POMP) volume imaging: a new technique, Glover GH, JMRI 1991; **1:** 457

physics of thin-section MR imaging at low field strength, Kramer DM; Guzman RJ; Carlson JW; Crooks LE; Kaufman L, Radiology 1989; **173:** 541

projection arteriography and venography: initial clinical results with MR, Edelman RR; Wentz KU; Mattle HP; Zhao B; Liu C; Kim D; Laub G, Radiology 1989; **172:** 351

prostatic MR imaging performed with the three-point Dixon technique: work in progress, Tamler B; Sommer FG; Glover GH; Schneider E, Radiology 1991; **179:** 43

rapid-acquisition spin-echo MR imaging of the liver: a critical view, Mitchell DG, Radiology 1991; **179:** 609

rapid acquisition spin-echo (RASE) MR imaging: a new technique for reduction of artifacts and acquisition time, Mirowitz SA; Lee JKT; Brown JJ; Eilenberg SS; Heiken JP; Perman WH, Radiology 1990; **175:** 131

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

rapid radiofrequency calibration in MRI, Carlson JW; Kramer DM, Magn Res Med 1990; **15:** 438

reduced power selective adiabatic spin-echo pulse sequence, Conolly S; Glover G; Nishimura D; et al, Magn Res Med 1991; **18:** 28

reduction of T2* dephasing in gradient field–echo imaging, Haacke EM; Tkach JA; Parrish TB, Radiology 1989; **170:** 457

renal artery stenosis: in vivo perfusion MR imaging, Powers TA; Lorenz CH; Holburn GE; Price RR, Radiology 1991; **178:** 543

renal corticomedullary junction: performance of T1-weighted MR pulse sequences, Baumgartner BR; Nelson RC; Torres WE; et al, Invest Radiol 1989; **24:** 884

salient features of MR angiography, Haacke EM; Masaryk TJ, Radiology 1989; **173:** 611

sanguinary efforts, Grossman RI, Radiology 1989; **172:** 13

segmented turboFLASH: method for breath-hold MR imaging of the liver with flexible contrast, Edelman RR; Wallner B; Singer A; Atkinson DJ; Saini S, Radiology 1990; **177:** 515

simple method for the restoration of signal polarity in multiimage inversion recovery sequences for measuring T1, Gowland PA; Leach MO, Magn Res Med 1991; **18:** 224

simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA, JMRI 1991; **1:** 399

some considerations for MR imaging of the liver, Crooks LE, Radiology 1991; **180:** 615

spectral editing of tumor ^{13}C MRS *in situ*, Xue M; Ng TC; Majors A, Magn Res Med 1990; **14:** 530

steady-state free precession imaging in the presence of motion: application for improved visualization of the cerebrospinal fluid, Haacke EM; Wielopolski PA; Tkach JA; Modic MT, Radiology 1990; **175:** 545

strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, Chien D; Atkinson DJ; Edelman RR, JMRI 1991; **1:** 63

superparamagnetic iron oxide–enhanced MR imaging: pulse sequence optimization for detection of liver cancer, Fretz CJ; Elizondo G; Weissleder R; Hahn PF; Stark DD; Ferrucci JT Jr, Radiology 1989; **172:** 393

synthesis of pulse sequences yielding arbitrary magnetization vectors, Shinnar M; Eleff S; Subramanian H; et al, Magn Res Med 1989; **12:** 74

synthesis of soft pulses with a specified frequency response, Shinnar M; Bolinger L; Leigh JS, Magn Res Med 1989; **12:** 88

T1-weighted sequences for MR imaging of the liver: comparison of three techniques for single-breath, whole-volume acquisition at 1.0 and 1.5 T, Semelka RC; Simm FC; Recht M; Deimling M; Lenz G; Laub GA, Radiology 1991; **180:** 629

T2-weighted spin-echo pulse sequence with variable repetition and echo times for reduction of MR image acquisition time, Butts RK; Farzaneh F; Riederer SJ; Rydberg JN; Grimm RC, Radiology 1991; **180:** 551

tantalum vascular stents: in vivo evaluation with MR imaging, Matsumoto AH; Teitelbaum GP; Barth KH; Carvlin MJ; Savin MA; Strecker EP, Radiology 1989; **170:** 753

temporal lobe seizures: lateralization with MR volume measurements of the hippocampal formation, Jack CR Jr; Sharbrough FW; Twomey CK; Cascino GD; Hirschorn KA; Marsh WR; Zinsmeister AR; Scheithauer B, Radiology 1990; **175:** 423

three-dimensional gadolinium-enhanced MR imaging of the breast: pulse sequence with fat suppression and magnetization transfer contrast. work in progress, Pierce WB; Harms SE; Flamig DP; Griffey RH; Evans WP; Hagans JE, Radiology 1991; **181:** 757

three-dimensional reconstructed MR imaging of the inner ear, Tanioka H; Shirakawa T; Machida T; Sasaki Y, Radiology 1991; **178:** 141

three-dimensional time-of-flight MR angiography: applications in the abdomen and thorax, Lewin JS; Laub G; Hausmann R, Radiology 1991; **179:** 261

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; **171:** 801

use of finite impulse response filters in pulse design, Shinnar M; Bolinger L; Leigh JS, Magn Res Med 1989; **12:** 81

use of Gd-DTPA and fast gradient-echo and spin-echo MR imaging to demonstrate renal function in the rabbit, Carvlin MJ; Arger PH; Kundel HL; Axel L; Dougherty L; Kassab EA; Moore B, Radiology 1989; **170:** 705

use of magnetization transfer contrast in gradient-recalled echo images, Dixon WT, Radiology 1991; **179:** 15

variable-flip-angle spin-echo MR imaging of the pelvis: more versatile T2-weighted images, Mitchell DG; Vinitski S; Burk DL Jr; Levy DW; Rifkin MD, Radiology 1989; **171:** 525

variation of contrast between different brain tissues with an MR snapshot technique, Klose U; Nägele T; Grodd W; Petersen D, Radiology 1990; **176:** 578

volume MR angiography: methods to achieve very short echo times, Schmalbrock P; Yuan C; Chakeres DW; Kohli J; Pelc NJ, Radiology 1990; **175:** 861

white matter lesions: role of spin density in MR imaging, Geis JR; Hendrick RE; Lee S; Davis KA; Thickman D, Radiology 1989; **170:** 863

Magnetic resonance (MR), quality assurance

acoustic analysis of gradient-coil noise in MR imaging, Hurwitz R; Lane SR; Bell RA; Brant-Zawadzki MN, Radiology 1989; **173:** 545

adaptive motion compensation in MR imaging without use of navigator echoes, Felmlee JP; Ehman RL; Riederer SJ; Korin HW, Radiology 1991; **179:** 139

SMRI report: policies, guidelines, and recommendations for MR imaging safety and patient management, Shellock FG; Kanal E; SMRI Safety Committee, JMRI 1991; **1:** 97

Magnetic resonance (MR), rapid imaging

approaches to fast MR imaging, Lufkin RB, Comput Med Imag Graph 1989; **13:** 145

bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535

cardiac and vascular imaging with an MR snapshot technique, Matthaei D; Haase A; Henrich D; Dühmke E, Radiology 1990; **177:** 527

cavernous sinus: correlation between anatomic and dynamic gadolinium-enhanced MR imaging findings, Korogi Y; Takahashi M; Sakamoto Y; Shinzato J, Radiology 1991; **180:** 235

cerebral blood flow: assessment with dynamic contrast-enhanced T2*-weighted MR imaging at 1.5 T, Edelman RR; Mattle HP; Atkinson DJ; Hill T; Finn JP; Mayman C; Ronthal M; Hoogewoud HM; Kleefield J, Radiology 1990; **176:** 211

clinical applications of echo planar imaging in neuroradiology, Worthington BS; Mansfield P, Neuroradiol 1990; **32:** 367

clinical comparison of three-dimensional MP-RAGE and FLASH techniques for MR imaging of the head, Runge VM; Kirsch JE; Thomas GS; Mugler JP III, JMRI 1991; **1:** 493

comparing the FAISE method with conventional dual-echo sequences, Melki PS; Mulkern RV; Panych LP; Jolesz FA, JMRI 1991; **1:** 319

comparison of spin echo T_1-weighted and FLASH 90° gadolinium-enhanced magnetic resonance imaging in the detection of cerebral metastases, Cherryman G; Golfieri R, Br J Radiol 1990; **63:** 712

dilated biliary tract: evaluation with MR cholangiography with a T2-weighted CE-FAST sequence, Wallner BK; Schumacher KA; Weidenmaier W; Friedrich JM, Radiology 1991; **181:** 805

double EPI sequence with 180° RF pulses, Hennel F; Jasinski A; Tomanek B, Magn Res Med 1990; **16:** 161

dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Mirowitz SA; Brown JJ; Lee JKT; Heiken JP, Radiology 1991; **179:** 681

dynamic gadolinium-enhanced rapid acquisition spin-echo MR imaging of the liver, Mirowitz SA; Lee JKT; Gutierrez E; Brown JJ; Heiken JP; Eilenberg SS, Radiology 1991; **179:** 371

evaluation of a simple method for reconstructing asymmetrically sampled echo data, Mugler JP III; Brookeman JR, JMRI 1991; **1:** 487

factors in myocardial "perfusion" imaging with ultrafast MRI and Gd-DTPA administration, Burstein D; Taratuta E; Manning WJ, Magn Res Med 1991; **20:** 299

fast imaging, Hesselink JR; Martin JF; Edelman RR, Neuroradiol 1990; **32:** 348

fast MR imaging: techniques and clinical applications, Haacke EM; Tkach JA, AJR 1990; **155:** 951

fast short-tau inversion-recovery MR imaging, Fleckenstein JL; Archer BT; Barker BA; Vaughan JT; Parkey RW; Peshock RM, Radiology 1991; **179:** 499

fast time-of-flight MR angiography with improved background suppression, Edelman RR; Chien D; Atkinson DJ; Sandstrom J, Radiology 1991; **179:** 867

focal nodular hyperplasia of the liver: assessment with contrast-enhanced turboFLASH MR imaging, Mathieu D; Rahmouni A; Anglade M-C; Falise B; Beges C; Gheung P; Mollet JJ; Vasile N, Radiology 1991; **180:** 25

GRASE (gradient- and spin-echo) imaging: a novel fast MRI technique, Oshio K; Feinberg DA, Magn Res Med 1991; **20:** 344

GRASE (gradient- and spin-echo) MR imaging: a new fast clinical imaging technique, Feinberg DA; Oshio K, Radiology 1991; **181:** 597

high-speed multislice T_1 mapping using inversion-recovery echo-planar imaging, Ordidge RJ; Gibbs P; Chapman B; et al, Magn Res Med 1990; **16:** 238

importance of phase-encoding order in ultra-short TR snapshot MR imaging, Holsinger AE; Riederer SJ, Magn Res Med 1990; **16:** 481

intracranial circulation: pulse-sequence considerations in three-dimensional (volume) MR angiography, Ruggieri PM; Laub GA; Masaryk TJ; Modic MT, Radiology 1989; **171:** 785

lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327

magnetization transfer preparation scheme for snapshot FLASH imaging, Jones RA; Southon TE, Magn Res Med 1991; **19:** 483

missing pulse steady-state free precession, Patz S; Wong STS; Roos MS, Magn Res Med 1989; **10:** 194

MR fluoroscopy: initial clinical studies, Farzaneh F; Riederer SJ; Lee JN; Tasciyan T; Wright RC; Spritzer CE, Radiology 1989; **171:** 545

MR imaging of coronary artery flow in isolated and in vivo hearts, Burstein D, JMRI 1991; **1:** 337

multiple slice FLASH imaging: an improved pulse sequence for contrast enhanced MR brain studies, Schörner W; Sander B; Henkes H; et al, Neuroradiol 1990; **32:** 474

multislice snapshot FLASH using SIMUSIM, Müller S, Magn Res Med 1990; **15:** 497

optimization of sequence parameters in fast MR imaging of the brain with FLASH, Stadnik TW; Luypaert RR; Neirynck EC; et al, AJNR 1989; **10:** 357

optimizing MR imaging of the abdomen: the case for rapid-acquisition spin-echo MR imaging, Mirowitz SA; Lee JKT, Radiology 1991; **179:** 612

quantitative evaluation of hyaline cartilage disorders using FLASH sequence: I. method and animal experiments, König H; Aicher K; Klose U; et al, Acta Radiol 1990; **31:** 371

quantitative evaluation of hyaline cartilage disorders using FLASH sequence: II. clinical applications, König H; Aicher K; Klose U; et al, Acta Radiol 1990; **31:** 377

rapid-acquisition spin-echo MR imaging of the liver: a critical view, Mitchell DG, Radiology 1991; **179:** 609

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

real-time interactive color flow MR imaging, Riederer SJ; Wright RC; Ehman RL; Rossman PJ; Holsinger-Bampton AE; Hangiandreou NJ; Grimm RC, Radiology 1991; **181:** 33

rheumatoid arthritis: evaluation of hypervascular and fibrous pannus with dynamic MR imaging enhanced with Gd-DTPA, König H; Sieper J; Wolf K-J, Radiology 1990; **176:** 473

segmented turboFLASH: method for breath-hold MR imaging of the liver with flexible contrast, Edelman RR; Wallner B; Singer A; Atkinson DJ; Saini S, Radiology 1990; **177:** 515

some considerations for MR imaging of the liver, Crooks LE, Radiology 1991; **180:** 615

steady-state free precession imaging in the presence of motion: application for improved visualization of the cerebrospinal fluid, Haacke EM; Wielopolski PA; Tkach JA; Modic MT, Radiology 1990; **175:** 545

strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, Chien D; Atkinson DJ; Edelman RR, JMRI 1991; **1:** 63

surface coil FLASH magnetic resonance imaging of the fasting and secretin-stimulated pancreas, Bis KG; Jacobs IG; Zingas AP; et al, Invest Radiol 1990; **25:** 977

T1-weighted sequences for MR imaging of the liver: comparison of three techniques for single-breath, whole-volume acquisition at 1.0 and 1.5 T, Semelka RC; Simm FC; Recht M; Deimling M; Lenz G; Laub GA, Radiology 1991; **180:** 629

T1-weighted snapshot gradient-echo MR imaging of the abdomen, Holsinger-Bampton AE; Riederer SJ; Campeau NG; Ehman RL; Johnson CD, Radiology 1991; **181:** 25

T2-weighted spin-echo pulse sequence with variable repetition and echo times for reduction of MR image acquisition time, Butts RK; Farzaneh F; Riederer SJ; Rydberg JN; Grimm RC, Radiology 1991; **180:** 551

three-dimensional time-of-flight MR angiography: applications in the abdomen and thorax, Lewin JS; Laub G; Hausmann R, Radiology 1991; **179:** 261

ultrafast low-angle RARE: U-FLARE, Norris DG, Magn Res Med 1991; **17:** 539

ultrafast magnetic resonance imaging: diffusion and perfusion, Moseley ME; Sevick R; Wendland MF; et al, J Canad Assoc Radiol 1991; **42:** 31

ultrafast magnetic resonance scanning of the liver with echo-planar imaging, Stehling MK; Charnley RM; Blamire AM; et al, Br J Radiol 1990; **63:** 430

variation of contrast between different brain tissues with an MR snapshot technique, Klose U; Nägele T; Grodd W; Petersen D, Radiology 1990; **176:** 578

volume MR angiography: methods to achieve very short echo times, Schmalbrock P; Yuan C; Chakeres DW; Kohli J; Pelc NJ, Radiology 1990; **175:** 861

Magnetic resonance (MR), relaxometry

estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T, Wright GA; Hu BS; Macovski A, JMRI 1991; **1:** 275

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; **180:** 31

MR microscopy at 7.0 T: effects of brain iron, Malisch TW; Hedlund LW; Suddarth SA; Johnson GA, JMRI 1991; **1:** 301

polymeric gastrointestinal MR contrast agents, Tilcock CP; Unger EC; Ahkong QF; Fritz T; Koenig SH; Brown RD III, JMRI 1991; **1:** 463

Magnetic resonance (MR), safety

burns associated with clinical MR examinations, Kanal E; Shellock FG, Radiology 1990; **175:** 585

important considerations in measurement of attractive force on metallic implants in MR imagers, Kagetsu NJ; Litt AW, Radiology 1991; **179:** 505

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP; Yee CA; Van Horn DD; Kim HS; Colletti PM, Radiology 1990; **175:** 855

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP, Radiology 1990; **177:** 883

metallic otologic implants: in vitro assessment of ferromagnetism at 1.5 T, Shellock FG; Schatz CJ, AJNR 1991; **12:** 279

MR imaging and biomedical implants, materials, and devices: an updated review, Shellock FG; Curtis JS, Radiology 1991; **180:** 541

MR imaging of firearm projectiles, Lufkin RB, Radiology 1991; **179:** 285

MR imaging of patients with implanted drug infusion pumps, von Roemeling R; Lanning RM; Eames FA, JMRI 1991; **1:** 77

ocular hazard of metallic fragments during MR imaging at 0.06 T, Kelsey CA; King JN; Keck GM; Chiu MT; Wolfe DM; Orrison WW, Radiology 1991; **180:** 282

safety considerations in MR imaging, Kanal E; Shellock FG; Talagala L, Radiology 1990; **176:** 593

SMRI report: policies, guidelines, and recommendations for MR imaging safety and patient management, Shellock FG; Kanal E; SMRI Safety Committee, JMRI 1991; **1:** 97

Magnetic resonance (MR), sodium studies

algorithm for MR imaging of the short T2 fraction of sodium using the FID signal, Ra JB; Hilal SK; Oh CH, JCAT 1989; **13:** 302

assessment of the NMR visibility of intraerythrocytic sodium by flame photometric and ion-competitive studies, Nissen H; Jacobsen JP; Hørder M, Magn Res Med 1989; **10:** 388

erythrocyte Na^+/K^+ ATPase activity measured with ^{23}Na NMR, Ouwerkerk R; vanEchteld CJA; Staal GEJ; et al, Magn Res Med 1989; **12:** 164

improvement of spectral resolution in shift-reagent-aided ^{23}Na NMR spectroscopy in the isolated perfused rat heart system, Miller SK; Chu W-J; Pohost GM; et al, Magn Res Med 1991; **20:** 184

multiple short-echo (2.5-ms) quantitation of *in vivo* sodium T2 relaxation, Perman WH; Thomasson DM; Bernstein MA; et al, Magn Res Med 1989; **9:** 153

regional T2 and sodium concentration estimates in the normal human brain by sodium-23 MR imaging at 1.5 T, Winkler SS; Thomasson DM; Sherwood K; et al, JCAT 1989; **13:** 561

sodium-23 magnetic resonance brain imaging, Winkler SS, Neuroradiol 1990; **32:** 416

sodium-23 MR imaging of the kidney in guinea pig at 2.1 T, following arterial, venous, and ureteral ligation, Maeda M; Seo Y; Murakami M; et al, Magn Res Med 1990; **16:** 361

sodium flux and bioenergetics in the ischemic rat liver, Blum H; Osbakken MD; Johnson RG Jr, Magn Res Med 1991; **18:** 348

sodium MRI with coated magnetite: measurement of extravascular lung water in rats, Lancaster L; Bogdan AR; Kundel HL; et al, Magn Res Med 1991; **19:** 96

sodium nuclear magnetic resonance imaging of neuroblastoma in the nude mouse, Summers RM; Joseph PM; Kundel HL, Invest Radiol 1991; **26:** 233

triple-quantum-coherence-filtered imaging of sodium ions *in vivo* at 4.7 tesla, Griffey RH; Griffey BV; Matwiyoff NA, Magn Res Med 1990; **13:** 305

Magnetic resonance (MR), spectroscopy

abnormal testicular function: potential of P-31 MR spectroscopy in diagnosis, van der Grond J; Laven JSE; te Velde ER; Mali WPTM, Radiology 1991; **179:** 433

ACE: a single-shot method for water-suppressed localization and editing of spectra, images, and spectroscopic images, van Vaals JJ; Bergman AH; den Boef JH; et al, Magn Res Med 1991; **19:** 136

acute hematomas: effects of deoxygenation, hematocrit, and fibrin-clot formation and retraction on T2 shortening, Clark RA; Watanabe AT; Bradley WG Jr; Roberts JD, Radiology 1990; **175:** 201

age-dependent changes in localized proton and phosphorus MR spectroscopy of the brain, van der Knaap MS; van der Grond J; van Rijen PC; Faber JAJ; Valk J; Willemse K, Radiology 1990; **176:** 509

alcoholic liver disease: quantitative image-guided P-31 MR spectroscopy, Meyerhoff DJ; Boska MD; Thomas AM; Weiner MW, Radiology 1989; **173:** 393

applications of nuclear magnetic cross-relaxation spectroscopy to tissues, Grad J; Mendelson D; Hyder F; et al, Magn Res Med 1991; **17:** 452

assessment of brain death in children by means of P-31 MR spectroscopy: preliminary note: work in progress, Kato T; Tokumaru A; O'uchi T; Mikami I; Umeda M; Nose K; Eguchi T; Hasegawa M; Okuyama K, Radiology 1991; **179:** 95

assessment of the sensitivity of *in vivo* ^{31}P nuclear magnetic resonance spectroscopy as a means of detecting pH heterogeneity in tumours: a simulation study, Madden A; Glaholm J; Leach MO, Br J Radiol 1990; **63:** 120

assignment of resonances in the ^{1}H spectrum of rat brain by two-dimensional shift correlated and *J*-resolved NMR spectroscopy, Behar KL; Ogino T, Magn Res Med 1991; **17:** 285

baseline deconvolution, phase correction, and signal quantification in Fourier localized spectroscopic imaging, Derby K; Hawryszko C; Tropp J, Magn Res Med 1989; **12:** 235

bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL, Radiology 1989; **173:** 181

carbon-13 magnetic resonance spectroscopy: problems and promise, Griffey RH, Invest Radiol 1989; **24:** 1017

cardiac radiology. RSNA '88 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, Radiology 1989; **170:** 606

cardiac radiology. RSNA '89 meeting notes, Youker JE; Baron MG; Gomes AS; Higgins CB; Soulen RL, Radiology 1990; **174:** 598

cardiac radiology. RSNA '90 meeting notes, Youker JE; Baron MG; Gomes AS; Herfkens RJ; Higgins CB; Pettigrew R; Soulen RL, Radiology 1991; **178:** 605

cerebral metabolism in man after acute stroke: new observations using localized proton NMR spectroscopy, Bruhn H; Frahm J; Gyngell ML; et al, Magn Res Med 1989; **9:** 126

cerebral metabolite dynamics during temporary complete ischemia in rats monitored by time-shared ^{1}H nd ^{31}P NMR spectroscopy, Chang L-H; Shirane R; Weinstein PR; et al, Magn Res Med 1990; **13:** 6

characterization of tumor hypoxia by ^{31}P MR spectroscopy, Steen RG, AJR 1991; **157:** 243

chemical shift imaging of human brain: axial, sagittal, and coronal P-31 metabolite images, Vigneron DB; Nelson SJ; Murphy-Boesch J; Kelley DAC; Kessler HB; Brown TR; Taylor JS, Radiology 1990; **177:** 643

chronic carbon tetrachloride and phospholipase D hepatotoxicity in rat: *in vivo* ^{1}H magnetic resonance, total lipid analysis, and histology, Hazle JD; Narayana PA; Dunsford HA, Magn Res Med 1990; **15:** 211

clinical magnetic resonance spectroscopy: a critical evaluation, Lenkinski RE, Invest Radiol 1989; **24:** 1034

clinical NMR spectroscopy of tumors: current status and future directions, Glickson JD, Invest Radiol 1989; **24:** 1011

comparison of 5-fluorouracil pharmacokinetics following intraperitoneal and intravenous administration using *in vivo* ^{19}F magnetic resonance spectroscopy, Glaholm J; Leach MO; Collins D; et al, Br J Radiol 1990; **63:** 547

complementary roles of PET and MR spectroscopy in the management of brain tumors, Alavi A; Alavi JB; Lenkinski RE, Radiology 1990; **177:** 617

conformal NMR spectroscopy: accurate localization to noncuboidal volumes with optimum SNR, Sharp JC; Leach MO, Magn Res Med 1989; **11:** 376

continuous-flow ^{13}C-filtered ^{1}H NMR spectroscopy of ethanol metabolism in rat liver perfusate, Albert K; Sudmeier JL; Anwer MS; et al, Magn Res Med 1989; **11:** 309

correlation of phosphorus-31 magnetic resonance spectroscopy and morphologic findings in Alzheimer's disease, (ab), Pettegrew JW; Panchalingam K; Moossy J; et al, Radiology 1989; **171:** 886

correlations between *in vivo* ^{31}P NMR spectroscopy measurements, tumor size, hypoxic fraction and cell survival after radiotherapy, Fu KK; Wendland MF; Iyer SB; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1341

cortical spectroscopy: localized spectroscopy of the cerebral cortex in rats, Houkin K; Nakada T; Suzuki N; et al, Magn Res Med 1989; **12:** 364

^{13}C spectroscopic imaging. a simple approach to *in vivo* ^{13}C investigations, Müller S; Beckmann N, Magn Res Med 1989; **12:** 400

demonstration of tumor-selective retention of fluorinated nitroimidazole probes by ^{19}F magnetic resonance spectroscopy *in vivo*, Maxwell RJ; Workman P; Griffiths JR, Int J Radiat Oncol Biol Phys 1989; **16:** 925

dermatomyositis: correlative MR imaging and P-31 MR spectroscopy for quantitative characterization of inflammatory disease, Park JH; Vansant JP; Kumar NG; Gibbs SJ; Curvin MS; Price RR; Partain CL; James AE Jr, Radiology 1990; **177:** 473

detection of metabolic heterogeneity of human intracranial tumors *in vivo* by ^{1}H NMR spectroscopic imaging, Segebarth CM; Balériaux DF; Luyten PR; et al, Magn Res Med 1990; **13:** 62

detection with echo-planar MR imaging of transit of susceptibility contrast medium in a rat model of regional brain ischemia, Wendland MF; White DL; Aicher KP; Tzika AA; Moseley ME, JMRI 1991; **1:** 285

determination of triacylglycerol lipase activity using carbon-13-labeled triacylglycerols and nuclear magnetic resonance spectroscopy: evidence that hepatic lipase hydrolyzes medium-chain triacylglycerols, Dimand RJ; Bradbury EM; Cox KL, Magn Res Med 1989; **9:** 273

discriminant factor analysis of ^{31}P NMR spectroscopic data in myopathies, Morvan D; Jehenson P; Duboc D; et al, Magn Res Med 1990; **13:** 216

double quantum coherence transfer photon NMR spectroscopy technique for monitoring steady-state tumor lactic acid levels *in vivo*, Freeman DM; Sotak CH; Muller HH; et al, Magn Res Med 1990; **14:** 321

double-quantum filtered volume-selective NMR spectroscopy, Knüttel A; Kimmich R, Magn Res Med 1989; **10:** 404

double-volume ^{1}H spectroscopy with interleaved acquisitions using tilted gradients, Ernst T; Hennig J, Magn Res Med 1991; **20:** 27

dual-tuned probe and multiband receiver front end for X-nucleus spectroscopy with proton scout imaging *in vivo*, Tropp JS; Sugiura S, Magn Res Med 1989; **11:** 405

effect of intravenous fructose on the P-31 MR spectrum of the liver: dose response in healthy volunteers, Terrier F; Vock P; Cotting J; Ladebeck R; Reichen J; Hentschel D, Radiology 1989; **171:** 557

effects of chronic ethanol consumption on the intact rat liver studied by *in vivo* ^{31}P NMR spectroscopy, Brauer M; Ling M, Magn Res Med 1991; **20:** 100

epicardial and endocardial localized ^{31}P magnetic resonance spectroscopy: evidence for metabolic heterogeneity during regional ischemia, Gober JR; Schaefer S; Camacho SA; et al, Magn Res Med 1990; **13:** 204

evaluation of a newly discovered water suppression pulse sequence for high-field *in vivo* ^{1}H surface coil NMR spectroscopy, Alger JR; Brunetti A; Nagashima G; et al, Magn Res Med 1989; **11:** 73

evaluation of BA1112 rhabdomyosarcoma oxygenation with microelectrodes, optical spectrophotometry, radiosensitivity, and magnetic resonance spectroscopy, Sostman HD; Rockwell S; Sylvia AL; et al, Magn Res Med 1991; **20:** 253

evaluation of new processing protocols for *in vivo* NMR spectroscopy, Mazzeo AR; Levy GC, Magn Res Med 1991; **17:** 483

exercise-induced muscle modifications: study of healthy subjects and patients with metabolic myopathies with MR imaging and P-31 spectroscopy, de Kerviler E; Leroy-Willig A; Jehenson P; Duboc D; Eymard B; Syrota A, Radiology 1991; **181:** 259

experimental approaches to image localized human ^{31}P NMR spectroscopy, Luyten PR; Groen JP; Vermeulen JWAH; et al, Magn Res Med 1989; **11:** 1

experimental preparations and models for MRS, Balaban RS, Invest Radiol 1989; **24:** 948

fast spectroscopic imaging method using a blipped phase encode gradient, Webb P; Spielman D; Macovski A, Magn Res Med 1989; **12:** 306

^{19}F relaxation rate enhancement and frequency shift with Gd-DTPA, Ratner AV; Quay S; Muller HH; et al, Invest Radiol 1989; **24:** 224

gated cardiac MR imaging and P-31 MR spectroscopy in humans at 1.5 T: work in progress, Grist TM; Kneeland JB; Rilling WR; Jesmanowicz A; Froncisz W; Hyde JS, Radiology 1989; **170:** 357

glycolysis: link between PET and proton MR spectroscopic studies of the brain, Lear JL, Radiology 1990; **174:** 328

^{1}H and ^{31}P NMR measurement of cerebral lactate, high-energy phosphate levels, and pH in humans during voluntary hyperventilation: associated EEG, capnographic, and Doppler findings, van Rijen PC; Luyten PR; van der Sprenkel JWB; et al, Magn Res Med 1989; **10:** 182

hepatic intracellular pH *in vivo* F-quene 1 and ^{19}F NMR spectroscopy, Beech JS; Iles RA, Magn Res Med 1991; **19:** 386

high-field localized *in vivo* proton spectroscopy on micro volumes, Doddrell DM; Field J; Crozier S; et al, Magn Res Med 1990; **13:** 518

high field localized proton spectroscopy in small volumes: greatly improved localization and shimming using shielded strong gradients, van Zijl PCM; Moonen CTW; Alger JR; et al, Magn Res Med 1989; **10:** 256

high-flux signals and spatial localization in high-resolution ^{1}H spectroscopy with surface coils, Bourgeois D; Decorps M; Remy C; et al, Magn Res Med 1989; **11:** 275

high-resolution NMR spectroscopy of cerebral white matter in multiple sclerosis, Sappey-Marinier D, Magn Res Med 1990; **15:** 229

^{1}H image-guided localized ^{31}P MR spectroscopy of human brain: quantitative analysis of ^{31}P MR spectra measured on volunteers and on intracranial tumor patients, Segebarth CM; Balériaux DF; de Beer R; et al, Magn Res Med 1989; **11:** 349

homonuclear shift correlated and spatially localized spectroscopy using stimulated echoes, Desmoulin F; Seelig J, Magn Res Med 1990; **14:** 160

^{1}H spectroscopic imaging using a spectral–spatial excitation pulse, Spielman D; Meyer C; Macovski A; et al, Magn Res Med 1991; **18:** 269

human brain: localized H-1 MR spectroscopy at 1.0 T, Sauter R; Loeffler W; Bruhn H; Frahm J, Radiology 1990; **176:** 221

human in vivo NMR spectroscopy in diagnostic medicine: clinical tool or research probe?, Bottomley PA, Radiology 1989; **170:** 1

human leg neuromuscular diseases: P-31 MR spectroscopy, Bárány M; Siegel IM; Venkatasubramanian PN; Mok E; Wilbur AC, Radiology 1989; **172:** 503

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

hydrogen ultrathin phase-encoded spectroscopy (HUPSPEC), Listerud J; Lenkinski RE; Axel L; et al, Magn Res Med 1990; **14:** 507

improvement of spectral resolution in shift-reagent-aided ^{23}Na NMR spectroscopy in the isolated perfused rat heart system, Miller SK; Chu W-J; Pohost GM; et al, Magn Res Med 1991; **20:** 184

inflammatory myopathies: MR imaging and spectroscopy, Fraser DD; Frank JA; Dalakas MC, Radiology 1991; **179:** 341

inflammatory myopathies: MR imaging and spectroscopy: reply, Park JH; Gibbs SJ; Price RR; Partain CL; James AE Jr, Radiology 1991; **179:** 343

interleaved ^{31}P NMR with transcutaneous nerve stimulation (TNS): a method of monitoring compliance-independent skeletal muscle metabolic response to exercise, Helpern JA; Kao W; Gross B; et al, Magn Res Med 1989; **10:** 50

intrauterine fetal brain NMR spectroscopy: ^{1}H and ^{31}P studies in rats, Nakada T; Kwee IL; Suzuki N; et al, Magn Res Med 1989; **12:** 172

introduction to nuclear magnetic resonance in biomedicine, Andrew ER, J Canad Assoc Radiol 1990; **41:** 2

investigations concerning the potential for using ^{1}H NMR relaxometry or high-resolution spectroscopy of plasma as a screening test for malignant lung disease, Schuhmacher JH; Conrad D; Manke HG; et al, Magn Res Med 1990; **13:** 103

in vitro proton spectroscopy of normal and abnormal prostate, Yacoe ME; Sommer G; Peehl D, Magn Res Med 1991; **19:** 429

in vivo ^{13}C NMR spectroscopy of glucose metabolism of RIF-1 tumors, Constantinidis I; Chatham JC; Wehrle JP; et al, Magn Res Med 1991; **20:** 17

in vivo ^{13}C nuclear magnetic resonance investigations of choline metabolism in rabbit brain, Tunggal B; Hofmann K; Stoffel W, Magn Res Med 1990; **13:** 90

in vivo flow ^{31}P FT–NMR spectroscopy of a nematode parasite, Thompson SN; Platzer EG; Lee RW-K, Magn Res Med 1990; **16:** 350

in vivo high-resolution volume-selected proton spectroscopy and T_1 measurements in the dog brain, Galloway GJ; Field J; Rose SE; et al, Magn Res Med 1989; **9:** 288

in vivo ^{1}H NMR spectroscopy of an intracerebral glioma in the rat, Remy C; Von Kienlin M; Lotito S; et al, Magn Res Med 1989; **9:** 395

in vivo ^{1}H spectroscopy of the human brain at 1.5 tesla: preliminary experience at a clinical installation, Henriksen O; Larsson H; Jensen KM, Acta Radiol 1990; **31:** 181

in vivo human localized ^{1}H spectroscopy, Pan JW; Shulman RG, Magn Res Med 1989; **12:** 257

in vivo human testicular function assessed with P-31 MR spectroscopy, Chew WM; Hricak H; McClure RD; Wendland MF, Radiology 1990; **177:** 743

in vivo localized ESR spectroscopy reflecting metabolism, Bačić G; Nilges MJ; Magin RL; et al, Magn Res Med 1989; **10:** 266

in vivo localized proton spectroscopic studies of human gastrocnemius muscle, Narayana PA; Jackson EF; Hazle JD; et al, Magn Res Med 1989; **12:** 259

in vivo measurements of bone marrow cellularity using volume-localized proton NMR spectroscopy, Ballon D; Jakubowski A; Gabrilove J; et al, Magn Res Med 1991; **19:** 85

in vivo MR spectroscopic imaging of the adrenal glands: distinction between adenomas and carcinomas larger than 15 mm based on lipid content, Leroy-Willig A; Bittoun J; Luton JP; et al, AJR 1989; **153:** 771

in vivo NMR diffusion spectroscopy: ^{31}P application to phosphorus metabolites in muscle, Moonen CTW; van Zijl PCM; Le Bihan D; et al, Magn Res Med 1990; **13:** 467

in vivo NMR spectroscopy of lithium-7 in humans, Komoroski RA; Newton JEO; Walker E; et al, Magn Res Med 1990; **15:** 347

in vivo nuclear magnetic resonance spectroscopy applied to medicine, Allen PS, J Canad Assoc Radiol 1990; **41:** 39

in vivo pharmacokinetics by electron magnetic resonance spectroscopy, Berliner LJ; Wan X, Magn Res Med 1989; **9:** 430

in vivo ^{31}P nuclear magnetic resonance spectroscopy of rat 9L gliosarcoma treated with BCNU: dose response of spectral changes, Steen RG; Tamargo RJ; Brem H; et al, Magn Res Med 1989; **11:** 258

in vivo proton nuclear magnetic resonance imaging and spectroscopy studies of halocarbon-induced liver damage, Brauer M; Towner RA; Renaud I; et al, Magn Res Med 1989; **9:** 229

in vivo proton spectroscopy in presence of eddy currents, Klose U, Magn Res Med 1990; **14:** 26

localization of P-31 MR signal with use of superparamagnetic iron oxide particles, Engelstad BL; White DL; Moseley ME; Stark DD, Radiology 1990; **176:** 467

localized high-resolution proton NMR spectroscopy using stimulated echoes: initial applications to human brain *in vivo*, Frahm J; Bruhn H; Gyngell ML; et al, Magn Res Med 1989; **9:** 79

localized ^{1}H *in vivo* NMR spectroscopy of small-volume elements in human brain at 1.5 T, Jung W-I; Grodd W; Lutz O; et al, Magn Res Med 1990; **15:** 320

localized ^{1}H NMR spectroscopy in Canavan's disease: a report of two cases, Austin SJ; Connelly A; Gadian DG; et al, Magn Res Med 1991; **19:** 439

localized ^{1}H NMR spectroscopy in fifty cases of newly diagnosed intracranial tumors, Demaerel P; Johannik K; Van Hecke P; et al, JCAT 1991; **15:** 67

localized *in vivo* proton spectroscopy of the human kidney, Shah NJ; Carpenter TA; Wilkinson ID; et al, Magn Res Med 1991; **20:** 292

localized proton NMR spectroscopy in different regions of the human brain *in vivo*. relaxation times and concentrations of cerebral metabolites, Frahm J; Bruhn H; Gyngell ML; et al, Magn Res Med 1989; **11:** 47

localized proton NMR spectroscopy using stimulated echoes: applications to human skeletal muscle *in vivo*, Bruhn H; Frahm J; Gyngell ML; et al, Magn Res Med 1991; **17:** 82

magnetic resonance imaging and magnetic resonance spectroscopy of bone tumors and bone marrow disease, Lenkinski RE; Listerud J; Shinkwin MA; et al, Invest Radiol 1989; **24:** 1006

magnetic resonance imaging of implanted melanomas before and after chemotherapy: relation to ^{31}P magnetic resonance spectroscopy and tumor histology, Iyer SB; Goldberg HI; Benz CC, Invest Radiol 1990; **25:** 1076

magnetic resonance: RSNA '88 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM; Meaney TF, Radiology 1989; **170:** 912

magnetic resonance: RSNA '89 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM, Radiology 1990; **174:** 913

magnetic resonance: RSNA '90 meeting notes, Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR, Radiology 1991; **178:** 907

magnetic resonance spectroscopy: evaluation of ischemic heart disease, Schaefer S; Schwartz GG; Gober JR; et al, Invest Radiol 1989; **24:** 969

magnetic resonance spectroscopy in cancer research, Smith ICP; Princz EJ; Saunders JK, J Canad Assoc Radiol 1990; **41:** 32

magnetic resonance spectroscopy of bile: in vitro stability over time and component identity, Halvorsen RA Jr; Ribeiro A; Blinder R; et al, Invest Radiol 1989; **24:** 903

magnetic resonance spectroscopy of the heart: overview of studies in animals and man, Higgins CB; Saeed M; Wendland M; et al, Invest Radiol 1989; **24:** 962

making magnetic resonance images and beyond, Henkelman RM; Kucharczyk W; Bronskill MJ, J Canad Assoc Radiol 1990; **41:** 8

malignant hepatic tumors: P-31 MR spectroscopy with one-dimensional chemical shift imaging, Francis IR; Chenevert TL; Gubin B; Collumb L; Ensminger W; Walker-Andrews S; Glazer GM, Radiology 1991; **180:** 341

measurement of ATP synthesis rates by ^{31}P-NMR spectroscopy in the intact myocardium *in vivo*, Robitaille P-M; Merkle H; Sako E; et al, Magn Res Med 1990; **15:** 8

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

metabolic and anatomic development of the chick embryo as studied by phosphorus-31 magnetic resonance spectroscopy and proton MRI, Moseley ME; Wendland MF; Darnell DK; et al, Pediatr Radiol 1989; **19:** 400

metabolic and destructive brain disorders in children: findings with localized proton MR spectroscopy, Grodd W; Krägeloh-Mann I; Klose U; Sauter R, Radiology 1991; **181:** 173

metabolic imaging of patients with intracranial tumors: H-1 MR spectroscopic imaging and PET, Luyten PR; Marien AJH; Heindel W; van Gerwen PHJ; Herholz K; den Hollander JA; Friedmann G; Heiss W-D, Radiology 1990; **176:** 791

metabolic response of glioblastoma to adoptive immunotherapy: detection by phosphorus MR spectroscopy, Ross BD; Tropp J; Derby KA; et al, JCAT 1989; **13:** 189

metabolic response to exercise in malignant hyperthermia-sensitive patients measured by ^{31}P magnetic resonance spectroscopy, Webster DW; Thompson RT; Gravelle DR; et al, Magn Res Med 1990; **15:** 81

metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET, Alger JR; Frank JA; Bizzi A; Fulham MJ; DeSouza BX; Duhaney MO; Inscoe SW; Black JL; van Zijl PCM; Moonen CTW; Di Chiro G, Radiology 1990; **177:** 633

metabolism of tumor regression from angiogenesis inhibition: ^{31}P magnetic resonance spectroscopy, Hoffer FA; Taylor GA; Spevak M; et al, Magn Res Med 1989; **11:** 202

method for direct *in vivo* measurement of drug concentrations from a single ^{2}H NMR spectrum, Evelhoch JL; McCoy CL; Giri BP, Magn Res Med 1989; **9:** 402

monitoring therapeutic response of human superficial tumors using phase-encoded spectroscopy, Majors AW; Ng TC; Xue M; et al, Magn Res Med 1989; **12:** 369

moving average improves the signal-to-noise ratio of kinetic studies in magnetic resonance spectroscopy, Seguin F; Berthiau F; Le Pape A; et al, Magn Res Med 1990; **14:** 396

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

MR spectroscopy of the heart, Brown JJ; Mirowitz SA; Sandstrom JC; et al, AJR 1990; **155:** 1

multiple-output chemical shift imaging (MOCSI): a practical technique for rapid spectroscopic imaging, Twieg DB, Magn Res Med 1989; **12:** 64

muscle activity localization with ^{31}P spectroscopy and calculated T2-weighted ^{1}H images, Weidman ER; Charles HC; Negro-Vilar R; et al, Invest Radiol 1991; **26:** 309

myocardial high-energy phosphate metabolism and allograft rejecton in patients with heart transplants, Bottomley PA; Weiss RG; Hardy CJ; Baumgartner WA, Radiology 1991; **181:** 67

NMR spectral analysis of kinetic data using natural lineshapes, Heineman FW; Eng J; Berkowitz BA; et al, Magn Res Med 1990; **13:** 490

NMR spectroscopic assessment of altered myocardial lipid metabolism, Evanochko WT, Invest Radiol 1989; **24:** 973

noninvasive differentiation of tumors with use of localized H-1 MR spectroscopy in vivo: initial experience in patients with cerebral tumors, Bruhn H; Frahm J; Gyngell ML; Merboldt KD; Hänicke W; Sauter R; Hamburger C, Radiology 1989; **172:** 541

normal and diffusely abnormal myocardium in humans: functional and metabolic characterization with P-31 MR spectroscopy and cine MR imaging, Auffermann W; Chew WM; Wolfe CL; Tavares NJ; Parmley WW; Semelka RC; Donnelly T; Chatterjee K; Higgins CB, Radiology 1991; **179:** 253

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811

P-31 MR spectroscopy in assessing testicular torsion: rat model, Tzika AA; Vigneron DB; Hricak H; Moseley ME; James TL; Kogan BA, Radiology 1989; **172:** 753

P-31 MR spectroscopy of normal human brain and brain tumors, Hubesch B; Sappey-Marinier D; Roth K; Meyerhoff DJ; Matson GB; Weiner MW, Radiology 1990; **174:** 401

P-31 spectroscopy study of response of superficial human tumors to therapy, Karczmar GS; Meyerhoff DJ; Boska MD; Hubesch B; Poole J; Matson GB; Valone F; Weiner MW, Radiology 1991; **179:** 149

parameter estimation for *in vivo* magnetic resonance spectroscopy (MRS) using simulated annealing, Sekihara K; Ohyama N, Magn Res Med 1990; **13:** 332

peripheral arterial occlusive disease: P-31 MR spectroscopy of calf muscle, Williams DM; Fencil L; Chenevert TL, Radiology 1990; **175:** 381

phase-distortion-free *in vivo* surface coil proton spectroscopy, Alger JR; Brunetti A, Magn Res Med 1989; **12:** 379

phosphorus-31 magnetic resonance spectroscopy and blood perfusion of the RIF-1 tumor following x-irradiation, Tozer GM; Bhujwalla ZM; Griffiths JR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 155

phosphorus-31 magnetic resonance spectroscopy in humans by spectroscopic imaging: localized spectroscopy and metabolite imaging, Twieg DB; Meyerhoff DJ; Hubesch B; et al, Magn Res Med 1989; **12:** 291

^{31}P NMR spectroscopy and HbO_2 cryospectrophotometry in prediction of tumor radioresistance caused by hypoxia, Rofstad EK; DeMuth P; Fenton BM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 919

^{31}P NMR spectroscopy in chronic adriamycin cardiotoxicity, Bittner V; Reeves RC; Digerness SB; et al, Magn Res Med 1991; **17:** 69

^{31}P-NMR spectroscopy measurements of energy metabolism of in vivo growing ascites tumours following addition of glucose, Skog S; Ericsson A; Nordell B; et al, Acta Oncol 1989; **28:** 277

^{31}P NMR spectroscopy of 9L cell line in culture: differential effects of high temperature on anchored cells and spheroids, Suzuki N; Kwee IL; Tamas LB; et al, Magn Res Med 1991; **19:** 422

positron emission tomography of fluorine-18-deoxyglucose and image-guided phosphorus-31 magnetic resonance spectroscopy in brain tumors, Heiss W-D; Heindel W; Herholz K; et al, J Nucl Med 1990; **31:** 302

potential use of in vivo proton spectroscopy for head and neck lesions, Mafee MF; Bárány M; Gotsis ED; et al, Radiol Clin North Am 1989; **27:** 243

power of the proton, Weiner MW; Hetherington HP, Radiology 1989; **172:** 318

proton-decoupled, Overhauser-enhanced, spatially localized carbon-13 spectroscopy in humans, Bottomley PA; Hardy CJ; Roemer PB; et al, Magn Res Med 1989; **12:** 348

proton-enhanced ^{13}C imaging/spectroscopy by polarization transfer, Swanson SD; Quint LE; Yeung HN, Magn Res Med 1990; **15:** 102

proton magnetic resonance spectroscopy of human brain *in vivo* in the evaluation of multiple sclerosis: assessment of the load of disease, Arnold DL; Matthews PM; Francis G; et al, Magn Res Med 1990; **14:** 154

proton MR spectroscopy of intracranial tumours: in vivo and in vitro studies, Gill SS; Thomas DGT; Van Bruggen N; et al, JCAT 1990; **14:** 497

proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG, Radiology 1989; **173:** 401

^{31}P spectroscopic localization using pinwheel NMR excitation pulses, Hardy CJ; Bottomley PA, Magn Res Med 1991; **17:** 315

^{31}P spectroscopy in thrombolytic treatment of experimental cerebral infarct, Lee BCP; Brock JM; Fan T; et al, AJNR 1989; **10:** 47

quantification of regional blood flow by monitoring of exogenous tracer via nuclear magnetic resonance spectroscopy, Kim S-G; Ackerman JJH, Magn Res Med 1990; **14:** 266

quantitative and qualitative fat analysis in human leg muscle of neuromuscular diseases by ^{1}H MR spectroscopy *in vivo*, Bárány M; Venkatasubramanian PN; Mok E; et al, Magn Res Med 1989; **10:** 210

quantitative spectroscopy using multiple surface coil probes, Styles P, Magn Res Med 1991; **17:** 3

real-time follow-up of 5-fluorouracil metabolism in the liver of tumor patients by means of F-19 MR spectroscopy, Semmler W; Bachert-Baumann P; Gückel F; Ermark F; Schlag P; Lorenz WJ; van Kaick G, Radiology 1990; **174:** 141

regional metabolism during coronary occlusion, reperfusion and reocclusion using phosphorus^{31} nuclear magnetic resonance spectroscopy in the intact rabbit, (ab), Kavanaugh KM; Aisen AM; Fechner KP; et al, Radiology 1989; **173:** 586

relative volume-average murine tumor blood flow measurement via deuterium nuclear magnetic resonance spectroscopy, Mattiello J; Evelhoch JL, Magn Res Med 1991; **18:** 320

renal perfusion model for NMR spectroscopy, Wunderlich CC; Janes NJ; Samphilipo MA Jr, Invest Radiol 1989; **24:** 619

reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G, Radiology 1989; **172:** 53

response of tumors to therapy studied by ^{31}P magnetic resonance spectroscopy, Karczmar GS; Meyerhoff DJ; Speder A; et al, Invest Radiol 1989; **24:** 1020

simple design for a double-tunable probe head for imaging and spectroscopy at high fields, Gruetter R; Boesch C; Müri M; et al, Magn Res Med 1990; **15:** 128

simultaneous multinuclear magnetic resonance imaging and spectroscopy, Moore GJ; Hrovat MI; González RG, Magn Res Med 1991; **19:** 105

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

spectral baseline correction using CLEAN, McKinnon GC; Burger C; Boesiger P, Magn Res Med 1990; **13:** 145

spectral editing techniques for ^{31}P NMR spectroscopy of blood, Jayasundar R; Norwood TJ; Hall LD; et al, Magn Res Med 1989; **10:** 89

spectroscopic imaging and spatial localization using adiabatic pulses and applications to detect transmural metabolite distribution in the canine heart, Robitaille P-M; Merkle H; Sublett E; et al, Magn Res Med 1989; **10:** 14

spectroscopic imaging using variable angle excitation from adiabatic plane-rotation pulses, Hendrich K; Garwood M; Merkle H; et al, Magn Res Med 1991; **19:** 496

spectroscopic imaging with multidimensional pulses for excitation: SIMPLE, Spielman D; Pauly J; Macovski A; et al, Magn Res Med 1991; **19:** 67

spin echo ^{31}P spectroscopic imaging in the human brain, Maudsley AA; Twieg DB; Sappey-Marinier D; et al, Magn Res Med 1990; **14:** 415

study of acute renal ischemia in the rat using magnetic resonance imaging and spectroscopy, Terrier F; Lazeyras F; Posse S; et al, Magn Res Med 1989; **12:** 114

success of acute thrombolytic therapy in acute myocardial infarction: what does it demand from cardiac imaging in the 1990s?, Higgins CB, Radiology 1989; **172:** 17

$T_{1\rho}$ dispersion imaging and volume-selective $T_{1\rho}$ dispersion weighted NMR spectroscopy, Rommel E; Kimmich R, Magn Res Med 1989; **12:** 390

T2 values in the human brain: comparison with quantitative assays of iron and ferritin, Chen JC; Hardy PA; Clauberg M; Joshi JG; Parravano J; Deck JHN; Henkelman RM; Becker LE; Kucharczyk W, Radiology 1989; **173:** 521

transmural high energy phosphate distribution and response to alterations in workload in the normal canine myocardium as studied with spatially localized ^{31}P NMR spectroscopy, Robitaille P-M; Merkle H; Lew B; et al, Magn Res Med 1990; **16:** 91

transrectal probe for ^{1}H MRI and ^{31}P MR spectroscopy of the prostate gland, Narayan P; Vigneron DB; Jajodia P; et al, Magn Res Med 1989; **11:** 209

trouble with spectroscopy papers, Bottomley PA, Radiology 1991; **181:** 344

two-dimensional correlated spectroscopy (COSY) of intact frog muscle: spectral pattern characterization and lactate quantitation, Alonso J; Arús C; Westler WM; et al, Magn Res Med 1989; **11:** 316

two-dimensional spectra of intact tissue: homonuclear Hartmann–Hahn spectroscopy provides increased sensitivity and information content as compared to COSY, Alonso J; Arús C; Westler WM; et al, Magn Res Med 1990; **15:** 142

two-volume acquisition in image-guided proton spectroscopy, Hafner H-P; Radü E; Seelig J, Magn Res Med 1990; **15:** 135

unequivocal determination of lactic acid using a one-dimensional zero-quantum coherence-transfer technique, Doddrell DM; Brereton IM; Moxon LN; et al, Magn Res Med 1989; **9:** 132

use of gel filtration in the preparation of biological fluids for magnetic resonance spectroscopy, Hoffman DW; Venters RA; Shedd SF; et al, Magn Res Med 1990; **13:** 507

variations in the in vivo P-31 MR spectra of the developing human brain during postnatal life: work in progress, Boesch C; Gruetter R; Martin E; Duc G; Wüthrich K, Radiology 1989; **172:** 197

water referencing for spectroscopic imaging, Spielman D; Webb P; Macovski A, Magn Res Med 1989; **12:** 38

water resonance as an alternative pH reference: relevance to *in vivo* ^{31}P NMR localized spectroscopy studies, Madden A; Leach MO; Collins DJ; et al, Magn Res Med 1991; **19:** 416

water suppression with B_1 field gradient homospoil pulses in high-resolution NMR spectroscopy, Brereton IM; Field J; Moxon LN; et al, Magn Res Med 1989; **9:** 118

Magnetic resonance (MR), surface coils

3-D FLASH imaging using a single surface coil and a new adiabatic pulse, BIR-4, Staewen RS; Johnson AJ; Ross BD; et al, Invest Radiol 1990; **25:** 559

arrays of mutually coupled receiver coils: theory and application, Wright SM; Magin RL; Kelton JR, Magn Res Med 1991; **17:** 252

bilateral MR imaging with switched mutually coupled receiver coils, Wright SM; Wright RM, Radiology 1989; **170:** 249

bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL, Radiology 1989; **173:** 181

cervical carcinoma: MR imaging with an endorectal surface coil, Milestone BN; Schnall MD; Lenkinski RE; Kressel HY, Radiology 1991; **180:** 91

comparison of double-tuned surface coils, Fitzsimmons JR; Brooker HR; Beck B, Magn Res Med 1989; **10:** 302

computer modeling of surface coil sensitivity, Lawry TJ; Weiner MW; Matson GB, Magn Res Med 1990; **16:** 294

continuously variable field of view surface coil, Duensing R; Fitzsimmons J; Sanford D; et al, Magn Res Med 1990; **13:** 378

crossover surface coil: an efficient *in vivo* NMR detector, Nagel TL; Stolk JA; Alderman DW; et al, Magn Res Med 1990; **13:** 271

dedicated coil for carotid MR angiography, Anderson CM; Saloner D; Lee RE; Fortner A, Radiology 1990; **176:** 868

dual cervical thoracic coil for spine magnetic resonance imaging, Totterman S; Foster TH; Plewes DB; et al, Acta Radiol 1989; **30:** 661

elimination of signal strength dependency upon coil loading—an aid to metabolite quantitation when the sample volume changes, Hoult DI; Deslauriers R, Magn Res Med 1990; **16:** 418

enzyme kinetics and relaxation measurements with surface coils, Clarke GD; Rehr RB, Magn Res Med 1990; **14:** 522

facial surface coil for MR imaging, Hyde JS; Jesmanowicz A; Kneeland JB; Daniels DL; McGivney GP, Radiology 1990; **174:** 276

gradient coil design using active magnetic screening, Bowtell R; Mansfield P, Magn Res Med 1991; **17:** 15

high-flux signals and spatial localization in high-resolution ^{1}H spectroscopy with surface coils, Bourgeois D; Decorps M; Remy C; et al, Magn Res Med 1989; **11:** 275

high-resolution MR imaging with local coils, Kneeland JB; Hyde JS, Radiology 1989; **171:** 1

high-resolution, short echo time MR imaging of the fingers and wrist with a local gradient coil, Wong EC; Jesmanowicz A; Hyde JS, Radiology 1991; **181:** 393

increased rf power absorption in MR imaging due to rf coupling between body coil and surface coil, Buchli R; Saner M; Meier D; et al, Magn Res Med 1989; **9:** 105

in vivo high-resolution MR imaging of the skin in a whole-body system at 1.5 T, Bittoun J; Saint-Jalmes H; Querleux BG; Darrasse L; Jolivet O; Idy-Peretti I; Wartski M; Richard SB; Leveque J-L, Radiology 1990; **176:** 457

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

NMR phased array, Roemer PB; Edelstein WA; Hayes CE; et al, Magn Res Med 1990; **16:** 192

noise correlation, Jesmanowicz A; Hyde JS; Froncisz W; et al, Magn Res Med 1991; **20:** 36

noise correlations in data simultaneously acquired from multiple surface coil arrays, Hayes CE; Roemer PB, Magn Res Med 1990; **16:** 181

orbital fractures: surface coil MR imaging, Tonami H; Yamamoto I; Matsuda M; Tamamura H; Yokota H; Nakagawa T; Takarada A; Okimura T, Radiology 1991; **179:** 789

P-31 MR spectroscopy in assessing testicular torsion: rat model, Tzika AA; Vigneron DB; Hricak H; Moseley ME; James TL; Kogan BA, Radiology 1989; **172:** 753

piezoelectric-controlled tuning capacitor for surface coils, Hyde JS; Rilling RJ; Jesmanowicz A; et al, Magn Res Med 1989; **12:** 50

prostate: MR imaging with an endorectal surface coil, Schnall MD; Lenkinski RE; Pollack HM; Imai Y; Kressel HY, Radiology 1989; **172:** 570

proton spectral editing in the inhomogeneous radiofrequency field of a surface coil using modified stimulated echoes, Lahrech H; Briguet A, Magn Res Med 1990; **16:** 342

quantitation of metabolites by ^{1}H NMR, Pan JW; Hetherington HP; Hamm JR; et al, Magn Res Med 1991; **20:** 48

quantitative spectroscopy using multiple surface coil probes, Styles P, Magn Res Med 1991; **17:** 3

rotator cuff tears: diagnostic performance of MR imaging, Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE, Radiology 1989; **172:** 223

signal normalization in surface-coil MR imaging, Wallner BK; Edelman RR; Bajakian R; et al, AJNR 1990; **11:** 1271

slotted crossover surface coil: a detector for *in vivo* NMR of skin, Nagel TL; Alderman DW; Schoenborn RR; et al, Magn Res Med 1990; **16:** 252

surface coil FLASH magnetic resonance imaging of the fasting and secretin-stimulated pancreas, Bis KG; Jacobs IG; Zingas AP; et al, Invest Radiol 1990; **25:** 977

surface coil spectroscopic imaging: time and spatial evolution of lactate production following fluid percussion brain injury, Cohen Y; Sanada T; Pitts LH; et al, Magn Res Med 1991; **17:** 225

switched array coils, Requardt H; Offermann J; Erhard P, Magn Res Med 1990; **13:** 385

technique of double-resonant operation of ^{19}F and ^{1}H quadrature birdcage coils, Lu D; Joseph PM, Magn Res Med 1991; **19:** 180

two-piece wrist surface coil, Totterman SM; Heberger R; Miller R; et al, AJR 1991; **156:** 343

use of high temperature superconductor in a receiver coil for magnetic resonance imaging, Hall AS; Alford NM; Button TW; et al, Magn Res Med 1991; **20:** 340

use of radio-frequency field gradients to image blood flow and perfusion in vivo, Karczmar GS; Tavares NJ; Moseley ME, Radiology 1989; **172:** 363

variable excitation angle AFP pulses, Norris DG; Haase A, Magn Res Med 1989; **9:** 435

Magnetic resonance (MR), technology

0.3-second FLASH MRI of the human heart, Frahm J; Merboldt KD; Bruhn H; et al, Magn Res Med 1990; **13:** 150

1990 ARRS President's Award: MR receptor imaging: ultrasmall iron oxide particles targeted to asialoglycoprotein receptors, Weissleder R; Reimer P; Lee AS; et al, AJR 1990; **155:** 1161

3-D MR angiography with scanning 2-D images—simultaneous data acquisition of arteries and veins (SAAV), Kim JH; Cho ZH, Magn Res Med 1990; **14:** 554

accurate three-dimensional registration of CT, PET, and/or MR images of the brain, Pelizzari CA; Chen GTY; Spelbring DR; et al, JCAT 1989; **13:** 20

ACE: a single-shot method for water-suppressed localization and editing of spectra, images, and spectroscopic images, van Vaals JJ; Bergman AH; den Boef JH; et al, Magn Res Med 1991; **19:** 136

acoustic analysis of gradient-coil noise in MR imaging, Hurwitz R; Lane SR; Bell RA; Brant-Zawadzki MN, Radiology 1989; **173:** 545

adaptive technique for high-definition MR imaging of moving structures, Ehman RL; Felmlee JP, Radiology 1989; **173:** 255

addendum to "rapid local rectangular views and magnifications: reduced phase encoding of orthogonally excited spin echoes", Conturo TE; Price RR; Beth AH, Magn Res Med 1989; **9:** 389

adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T, Radiology 1991; **180:** 229

analysis of magnetic cross-relaxation between water and methylene protons in a model system, Gore JC; Brown MS; Armitage IM, Magn Res Med 1989; **9:** 333

analysis of T2 limitations and off-resonance effects on spatial resolution and artifacts in echo-planar imaging, Farzaneh F; Riederer SJ; Pelc NJ, Magn Res Med 1990; **14:** 123

analysis of the higher-order echoes in SSFP, Kim DJ; Cho ZH, Magn Res Med 1991; **19:** 20

anisotropic diffusion in human white matter: demonstration with MR techniques in vivo, Chenevert TL; Brunberg JA; Pipe JG, Radiology 1990; **177:** 401

anisotropy in diffusion-weighted MRI, Moseley ME; Kucharczyk J; Asgari HS; et al, Magn Res Med 1991; **19:** 321

anterior cruciate ligament: oblique sagittal MR imaging, Buckwalter KA; Pennes DR, Radiology 1990; **175:** 276

apparatus for applying a mechanical massage to rat hearts inside a wide-bore NMR spectrometer, Kushnir T; Schwalb H; Yaroslavsky E; et al, Magn Res Med 1990; **15:** 392

application of continuous relaxation time distributions to the fitting of data from model systems and excised tissue, Menon RS; Allen PS, Magn Res Med 1991; **20:** 214

application of interlaced orientation slices in orthogonal planes for system characterization and as a basis for standardized brain sections in multiple-oblique positions, Boesch C; Martin E, Magn Res Med 1990; **15:** 357

application of missing pulse steady state free precession to the study of renal microcirculation, Stromski ME; Brady HR; Gullans SR; et al, Magn Res Med 1991; **20:** 66

application of single-shot spiral scanning for volume localization, Ra JB; Rim CY; Cho ZH, Magn Res Med 1991; **17:** 423

application of spinors to pulse synthesis and analysis, Shinnar M; Leigh JS, Magn Res Med 1989; **12:** 93

application of volume-selected, two-dimensional multiple-quantum editing *in vivo* to observe cerebral metabolites, Crozier S; Brereton IM; Rose SE; et al, Magn Res Med 1990; **16:** 496

arrays of mutually coupled receiver coils: theory and application, Wright SM; Magin RL; Kelton JR, Magn Res Med 1991; **17:** 252

artifacts in maximum-intensity-projection display of MR angiograms, Anderson CM; Saloner D; Tsuruda JS; et al, AJR 1990; **154:** 623

assessment of intracellular magnesium depletion in rat striated muscle by *in vivo* ^{31}P NMR, Le Rumeur E; Le Moyec L; Yvin JC; et al, Magn Res Med 1990; **13:** 504

assessment of the purity of d,l HM-PAO from diastereomeric mixtures using NMR techniques, Feinstein-Jaffe I; Boazi M; Tor Y, J Nucl Med 1989; **30:** 106

automatic segmentation of head MRI images by knowledge guided thresholding, Suzuki H; Toriwaki J-i, Comput Med Imag Graph 1991; **15:** 233

bone marrow uptake of liposome-entrapped spin label after liver blockade with empty liposomes, Federico M; Iannone A; Chan HC; et al, Magn Res Med 1989; **10:** 418

brain surface cortical sulcal lengths: quantification with three-dimensional MR imaging, Vannier MW; Brunsden BS; Hildebolt CF; Falk D; Cheverud JM; Figiel GS; Perman WH; Kohn LA; Robb RA; Yoffie RL; Bresina SJ, Radiology 1991; **180:** 479

bulk magnetic susceptibility shifts in NMR studies of compartmentalized samples: use of paramagnetic reagents, Chu SC-K; Xu Y; Balschi JA; et al, Magn Res Med 1990; **13:** 239

burns associated with clinical MR examinations, Kanal E; Shellock FG, Radiology 1990; **175:** 585

calculation of pressure gradients from MR velocity data in a laminar flow model, Adler RS; Chenevert TL; Fowlkes JB; et al, JCAT 1991; **15:** 483

carbon-fiber electrodes and leads for electrocardiography during MR imaging, van Genderingen HR; Sprenger M; Willem de Ridder J; van Rossum AC, Radiology 1989; **171:** 872

cardiac and vascular imaging with an MR snapshot technique, Matthaei D; Haase A; Henrich D; Dühmke E, Radiology 1990; **177:** 527

cause of signal loss in MR images of old hemorrhagic lesions, Hardy PA; Kucharczyk W; Henkelman RM, Radiology 1990; **174:** 549

cerebral cortical localization: application and validation of the proportional grid system in MR imaging, Steinmetz H; Fürst G; Freund H-J, JCAT 1989; **13:** 10

cerebral MR angiography with multiple overlapping thin slab acquisition: part I. quantitative analysis of vessel visibility, Blatter DD; Parker DL; Robison RO, Radiology 1991; **179:** 805

cerebrospinal fluid shunts: flow measurements with MR imaging, Martin AJ; Drake JM; Lemaire C; Henkelman RM, Radiology 1989; **173:** 243

chemical shift imaging of human brain: axial, sagittal, and coronal P-31 metabolite images, Vigneron DB; Nelson SJ; Murphy-Boesch J; Kelley DAC; Kessler HB; Brown TR; Taylor JS, Radiology 1990; **177:** 643

chemical shift imaging with paramagnetic contrast material enhancement for improved lesion depiction, Simon JH; Szumowski J, Radiology 1989; **171:** 539

cineangiography of the heart in a single breath hold with a segmented turboFLASH sequence, Atkinson DJ; Edelman RR, Radiology 1991; **178:** 357

clinical utility of partial flip angle T2-weighted spin-echo imaging of the brain, Chang KH; Yi JG; Han MH; et al, Neuroradiol 1990; **32:** 255

^{13}C NMR study of the application of [U-^{13}C] succinate for metabolic investigations in rabbit renal proximal convoluted tubular cells, Jans AWH; Willem R, Magn Res Med 1990; **14:** 148

CNR enhancement in the presence of multiple interfering processes using linear filters, Brown DG; Lee JN; Blinder RA; et al, Magn Res Med 1990; **14:** 79

coil holder and marker system for MR imaging of the total spine, Abrahams JJ; Lange RC, Radiology 1989; **172:** 869

coil selection for magnetic resonance imaging of the cervical and thoracic spine using a vertical magnetic field, Larsson E-M; Nilsson H; Holtås S; et al, Acta Radiol 1989; **30:** 141

comparison of default and reduced bandwidth MR imaging of the spine at 1.5 T, Ketonen L; Totterman S; Simon JH; et al, AJNR 1990; **11:** 9

comparison of the signal-to-noise ratio at 1.5 and 2.0 T using a whole-body system, Beckmann N; Müller S; Seelig J, Magn Res Med 1989; **9:** 391

comparison of three radiofrequency coils for NMR studies of conductive samples, Murphy MK; Fernandez EJ; Clark DS, Magn Res Med 1989; **12:** 382

compensation for effects of linear motion in MR imaging, Korin HW; Farzaneh F; Wright RC; et al, Magn Res Med 1989; **12:** 99

computer-assisted superimposition of magnetic resonance and high-resolution technetium-99m-HMPAO and thallium-201 SPECT images of the brain, Holman BL; Zimmerman RE; Johnson KA; et al, J Nucl Med 1991; **32:** 1478

computer simulation of MRS localization techniques: an analysis of ISIS, Lawry TJ; Karczmar GS; Weiner MW; et al, Magn Res Med 1989; **9:** 299

contrast and accuracy of relaxation time measurements in acquired and synthesized multislice magnetic resonance images, Majumdar S; Sostman HD; MacFall JR, Invest Radiol 1989; **24:** 119

contrast, resolution, and detectability in MR imaging, Constable RT; Henkelman RM, JCAT 1991; **15:** 297

correlation between oxygen tension and spin-lattice relaxation rate in tumors, Akber SF, Eur J Radiol 1989; **9:** 56

cortical spectroscopy: localized spectroscopy of the cerebral cortex in rats, Houkin K; Nakada T; Suzuki N; et al, Magn Res Med 1989; **12:** 364

CPMG imaging sequences for high field *in vivo* transverse relaxation studies, Mulkern RV; Wong STS; Jakab P; et al, Magn Res Med 1990; **16:** 67

DANTE tagging sequence for the evaluation of translational sample motion, Mosher TJ; Smith MB, Magn Res Med 1990; **15:** 334

data extrapolation for truncation artifact removal, Constable RT; Henkelman RM, Magn Res Med 1991; **17:** 108

dedicated coil for carotid MR angiography, Anderson CM; Saloner D; Lee RE; Fortner A, Radiology 1990; **176:** 868

detection of metabolites in body fluids and biological tissue by a 1D soft COSY technique, Stryjewski D; Oschkinat H; Leibfritz D, Magn Res Med 1990; **13:** 158

determination of extracellular/intracellular fluid ratios from magnetic resonance images: accuracy, feasibility, and implementation, Martin MM; Tatton WG; Lemaire C; et al, Magn Res Med 1990; **15:** 58

determination of halothane distribution in the rat head using ^{19}F NMR technique, Wyrwicz AM; Conboy CB, Magn Res Med 1989; **9:** 219

development of a micromanometer-tip catheter to record high-fidelity pressures during cine-gated NMR without significant image distortion, Dell'Italia LJ; Carter B; Millar H; et al, Magn Res Med 1991; **17:** 119

development of the "activated" high resolution ^1H MR spectrum in murine T cells and B cells occurs in G_1 phase of the cell cycle, Holmes KT; Lean CL; Hunt NH; et al, Magn Res Med 1990; **16:** 1

differential flow imaging by NMR, Xiang QS; Nalcioglu O, Magn Res Med 1989; **12:** 14

diffusion/perfusion MR imaging of the brain: from structure to function, Le Bihan D, Radiology 1990; **177:** 328

diffusion-weighted MR imaging: a useful adjunct to clinical diagnosis or a scientific curiosity?, Henkelman RM, AJR 1990; **155:** 1066

diffusion-weighted MR imaging of anisotropic water diffusion in cat central nervous system, Moseley ME; Cohen Y; Kucharczyk J; Mintorovitch J; Asgari HS; Wendland MF; Tsuruda J; Norman D, Radiology 1990; **176:** 439

direct carbon versus proton heteronuclear editing of 2-^{13}C ethanol in rabbit brain *in vivo*: a sensitivity comparison, Novotny EJ Jr; Ogino T; Rothman DL; et al, Magn Res Med 1990; **16:** 431

does IVIM measure classical perfusion?, Henkelman RM, Magn Res Med 1990; **16:** 470

dual-frequency circularly polarizing whole-body MR antenna for 69/170 MHz, Dürr W; Rauch S, Magn Res Med 1991; **19:** 446

dynamic cardiac MR imaging: techniques and applications, Pettigrew RI, Radiol Clin North Am 1989; **27:** 1183

echo-planar high-resolution flow velocity mapping, Firmin DN; Klipstein RH; Hounsfield GL; et al, Magn Res Med 1989; **12:** 316

echo planar imaging of isolated perfused rat hearts at 4.7 T: a comparison of Langendorff and working heart preparations, Blackband SJ; Chatham JC; O'Dell W; et al, Magn Res Med 1990; **15:** 240

echo-planar imaging with asymmetric gradient modulation and inner-volume excitation, Feinberg DA; Turner R; Jakab PD; et al, Magn Res Med 1990; **13:** 162

effect of homonuclear *J* modulation on ^{19}F spin-echo images, Babcock EE; Mason RP; Antich PP, Magn Res Med 1991; **17:** 179

effect of inotropic stimulation on cytosolic Mg^{2+} in isolated rat heart: a ^{31}P magnetic resonance study, Headrick JP; Willis RJ, Magn Res Med 1989; **12:** 328

effects of intravoxel incoherent motions (IVIM) in steady-state free precession (SSFP) imaging: application to molecular diffusion imaging, Le Bihan D; Turner R; MacFall JR, Magn Res Med 1989; **10:** 324

efficient biphasic spin-echo magnetic resonance imaging, Parker DL; Caputo GR; Frederick PR, Magn Res Med 1989; **11:** 98

efficient remote transmission line probe tuning, Rath AR, Magn Res Med 1990; **13:** 370

eigenimage filtering in MR imaging: an application in the abnormal chest wall, Haggar AM; Windham JP; Reimann DA; et al, Magn Res Med 1989; **11:** 85

electrocardiograph-independent, "wireless" cardiovascular cine MR imaging, White RD; Paschal CB; Clampitt ME; Spraggins TA; Lenz GW, JMRI 1991; **1:** 347

environmental optimization and shielding for NMR experiments and imaging in the earth's magnetic field, Favre B; Bonche JP; Mehier H; et al, Magn Res Med 1990; **13:** 299

experimental Gd-DTPA polylysine enhanced MR angiography: sequence optimization, Marchal G; Bosmans H; Van Hecke P; et al, JCAT 1991; **15:** 711

fast method for T1 fitting, Sperber GO; Ericsson A; Hemmingsson A, Magn Res Med 1989; **9:** 113

fast short-tau inversion-recovery MR imaging, Fleckenstein JL; Archer BT; Barker BA; Vaughan JT; Parkey RW; Peshock RM, Radiology 1991; **179:** 499

fast spectroscopic imaging method using a blipped phase encode gradient, Webb P; Spielman D; Macovski A, Magn Res Med 1989; **12:** 306

fast time-of-flight MR angiography with improved background suppression, Edelman RR; Chien D; Atkinson DJ; Sandstrom J, Radiology 1991; **179:** 867

flow-compensated limited flip angle MR angiography, Lee JN; Riederer SJ; Pelc NJ, Magn Res Med 1989; **12:** 1

flow-induced phase effects and compensation technique for slice-selective pulses, Yuan C; Gullberg GT; Parker DL, Magn Res Med 1989; **9:** 161

fluid shear and spin-echo images, Kuethe DO; Herfkens RJ, Magn Res Med 1989; **10:** 57

forty-millisecond MR imaging of the abdomen at 2.0 T, Saini S; Stark DD; Rzedzian RR; Pykett IL; Rummeny E; Hahn PF; Wittenberg J; Ferrucci JT Jr, Radiology 1989; **173:** 111

fucose in ^1H COSY spectra of plasma membrane fragments shed from human malignant colorectal cells, Lean CL; Mackinnon WB; Mountford CE, Magn Res Med 1991; **20:** 306

fuse for magnetic resonance imaging probes, Hedges LK, Magn Res Med 1989; **9:** 278

gastrointestinal tract: dynamic MR studies with echo-planar imaging, Stehling MK; Evans DF; Lamont G; Ordidge RJ; Howseman AM; Chapman B; Coxon R; Mansfield P; Hardcastle JD; Coupland RE, Radiology 1989; **171:** 41

generalized MR interferography, Hennig J, Magn Res Med 1990; **16:** 390

gradient-echo MR imaging of the lumbar spine: comparison with spin-echo technique, Watanabe AT; Teitelbaum GP; Lufkin RB; et al, JCAT 1990; **14:** 410

GRASE (gradient- and spin-echo) MR imaging: a new fast clinical imaging technique, Feinberg DA; Oshio K, Radiology 1991; **181:** 597

half-Fourier MR imaging of CNS disease, Runge VM; Wood ML, AJNR 1990; **11:** 77

halo vest for cervical spine fixation during MR imaging, Shellock FG; Slimp G, AJR 1990; **154:** 631

heart wall motion: improved method of spatial modulation of magnetization for MR imaging, Axel L; Dougherty L, Radiology 1989; **172:** 349

high quality zoomed MR images, Constable RT; Kay I; Smith MR; et al, JCAT 1989; **13:** 179

high-resolution MR imaging with local coils, Kneeland JB; Hyde JS, Radiology 1989; **171:** 1

high-resolution, short echo time MR imaging of the fingers and wrist with a local gradient coil, Wong EC; Jesmanowicz A; Hyde JS, Radiology 1991; **181:** 393

high-sensitivity, high-B_1 homogeneity probe for quantitation of metabolites, Hoult DI; Deslauriers R, Magn Res Med 1990; **16:** 411

high-speed line scan MR angiography, Brown DG; Riederer SJ; Wright RC; et al, Magn Res Med 1990; **15:** 475

high-speed multislice T_1 mapping using inversion-recovery echo-planar imaging, Ordidge RJ; Gibbs P; Chapman B; et al, Magn Res Med 1990; **16:** 238

^{1}H NMR observation of tissue myoglobin: an indicator of cellular oxygenation *in vivo*, Jue T; Anderson S, Magn Res Med 1990; **13:** 524

hyperintense thrombus on GRASS MR images: potential pitfall in flow evaluation, Yousem DM; Balakrishnan J; Debrun GM; et al, AJNR 1990; **11:** 51

improved fat suppression in STIR MR imaging: selecting inversion time through spectral display, Shuman WP; Lambert DT; Patten RM; Baron RL; Tazioli PK, Radiology 1991; **178:** 885

improved quantification of *in vivo* ^{1}H NMR spectra by optimization of signal acquisition and processing and by incorporation of prior knowledge into the spectral fitting, de Graaf AA; Bovée WMMJ, Magn Res Med 1990; **15:** 305

improvements in MR angiography using phase-corrected data sets, Chenevert TL; Fechner KP; Gelblum DY, Magn Res Med 1989; **10:** 38

incubation system for the NMR study of kidney tubules, Ammann H; Boulanger Y; Legault P; et al, Magn Res Med 1989; **12:** 339

indicator dilution time activity curves demonstrated by rapid magnetic resonance imaging techniques and paramagnetic contrast agent, Davis PL; Wolf GL; Gillen JS, Invest Radiol 1989; **24:** 400

inexpensive, air-driven ventricular assist or replacement device for use in MR research, Carroll FE Jr; Parker RE; Loyd JE; et al, Invest Radiol 1990; **25:** 579

inhibition of lymphocyte stimulation by shift reagents, Sze DY; Corbelletta NL; Shochat SJ; et al, Magn Res Med 1990; **13:** 14

interactive design of motion-compensated gradient waveforms with a personal computer spreadsheet program, Wendt RE III, JMRI 1991; **1:** 87

intracranial aneurysms and vascular malformations: comparison of time-of-flight and phase-contrast MR angiography, Huston J III; Rufenacht DA; Ehman RL; Wiebers DO, Radiology 1991; **181:** 721

inversion-recovery echo-planar imaging (IR-EPI) at 0.5 T, Stehling MK; Ordidge RJ; Coxon R; et al, Magn Res Med 1990; **13:** 514

inversion recovery snapshot FLASH MR imaging, Haase A; Matthaei D; Bartkowski R; et al, JCAT 1989; **13:** 1036

in vitro evaluation of a mechanical injector for infusion of magnetic resonance contrast media, Saini S; Fretz CJ; Fisel CR; et al, Invest Radiol 1991; **26:** 748

in vitro magnetic resonance microimaging of the spinal cord, Lemaire C; Duncan EG; Solsberg MD; et al, Magn Res Med 1990; **14:** 97

in vitro ^{31}P NMR spectroscopy of the reproductive organs of the male rat: an improved preparation method, van der Grond J; Seijkens D; Mali WPTM, Magn Res Med 1990; **15:** 462

in vivo detection of injected free radicals by Overhauser effect imaging, Grucker D, Magn Res Med 1990; **14:** 140

in vivo ^{19}F spin relaxation in index finger bones, Code RF; Harrison JE; McNeill KG; et al, Magn Res Med 1990; **13:** 358

in vivo high-resolution MR imaging of the skin in a whole-body system at 1.5 T, Bittoun J; Saint-Jalmes H; Querleux BG; Darrasse L; Jolivet O; Idy-Peretti I; Wartski M; Richard SB; Leveque J-L, Radiology 1990; **176:** 457

in vivo NMR spectral parameter estimation: a comparison between time and frequency domain methods, Joliot M; Mazoyer BM; Huesman RH, Magn Res Med 1991; **18:** 358

in vivo nuclear Overhauser effect in ^{31}P–[^{1}H] double-resonance experiments in a 1.5-T whole-body MR system, Bachert-Baumann P; Ermark F; Zabel H-J; et al, Magn Res Med 1990; **15:** 165

in vivo volume-selective metabolite editing via correlated z-order, Brereton IM; Rose SE; Galloway GJ; et al, Magn Res Med 1990; **16:** 460

is the detection of fucose cancer markers by 2D ^{1}H NMR unequivocal?, Phillips PS; Herring FG, Magn Res Med 1990; **15:** 1

iteration of hybridoma growth and productivity in hollow fiber bioreactors using ^{31}P NMR, Gillies RJ; Scherer PG; Raghunand N; et al, Magn Res Med 1991; **18:** 181

^{7}Li NMR study of visibility, spin relaxation, and transport in normal human erythrocytes, Gullapalli RP; Hawk RM; Komoroski RA, Magn Res Med 1991; **20:** 240

localized volume selection technique using an additional radial gradient coil, Lee SY; Cho ZH, Magn Res Med 1989; **12:** 56

low-frequency restoration, Jackson J; Macovski A; Nishimura D, Magn Res Med 1989; **11:** 248

lung parenchyma: projection reconstruction MR imaging, Bergin CJ; Pauly JM; Macovski A, Radiology 1991; **179:** 777

magnetic field modulation of receptor binding, Chiles C; Hawrot E; Gore J; et al, Magn Res Med 1989; **10:** 241

magnetic resonance imaging: a brief review of image contrast, Makow LS, Radiol Clin North Am 1989; **27:** 195

magnetic resonance imaging of the thorax: techniques, current applications, and future directions, Spritzer CE; Gamsu G; Sostman HD, J Thorac Imag 1989; **4-2:** 1

magnetic resonance imaging phase encoding: a pictorial essay, Felmlee JP; Morin RL; Salutz JR; Lund GB, Radiographics 1989; **9:** 717

magnetic resonance imaging: physics and technical aspects, Vaughan B, Australas Radiol 1989; **33:** 34

magnetic resonance imaging using a ribbonator: hand and wrist, Marshall EA; Listinsky JJ; Ceckler TL; et al, Magn Res Med 1989; **9:** 369

magnetic resonance imaging with adiabatic pulses using a single surface coil for RF transmission and signal detection, Garwood M; Ugurbil K; Rath AR; et al, Magn Res Med 1989; **9:** 25

magnetic resonance: RSNA '88 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM; Meaney TF, Radiology 1989; **170:** 912

magnetic resonance: RSNA '89 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM, Radiology 1990; **174:** 913

magnetic resonance: RSNA '90 meeting notes, Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR, Radiology 1991; **178:** 907

magnetic shielding of magnetic resonance systems, Andrew ER; Szczesniak E, Magn Res Med 1989; **10:** 373

magnetic susceptibility effects and their application in the development of new ferromagnetic catheters for magnetic resonance imaging, Rubin DL; Ratner AV; Young SW, Invest Radiol 1990; **25:** 1325

magnetic susceptibility measurement using a double-DANTE tagging (DDT) sequence, Mosher TJ; Smith MB, Magn Res Med 1991; **18:** 251

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

magnetization transfer contrast: MR imaging of the knee, Wolff SD; Chesnick S; Frank JA; Lim KO; Balaban RS, Radiology 1991; **179:** 623

maximizing contrast to noise with inductively coupled implanted coils, Farmer THR; Cofer GP; Johnson GA, Invest Radiol 1990; **25:** 552

measurements of pertinent concentrations of oxygen *in vivo*, Swartz HM; Boyer S; Gast P; et al, Magn Res Med 1991; **20:** 333

measuring signal-to-noise ratios in MR imaging, Kaufman L; Kramer DM; Crooks LE; Ortendahl DA, Radiology 1989; **173:** 265

method for correctly setting the rf flip angle, Perman WH; Bernstein MA; Sandstrom JC, Magn Res Med 1989; **9:** 16

method for measuring three-dimensional motion with tagged MR imaging, Pipe JG; Boes JL; Chenevert TL, Radiology 1991; **181:** 591

missing pulse steady-state free precession, Patz S; Wong STS; Roos MS, Magn Res Med 1989; **10:** 194

MR angiography with two-dimensional acquisition and three-dimensional display: work in progress, Keller PJ; Drayer BP; Fram EK; Williams KD; Dumoulin CL; Souza SP, Radiology 1989; **173:** 527

MR characterization of hepatic lesions by t-null inversion recovery sequence, Patrizio G; Pavone P; Testa A; et al, JCAT 1990; **14:** 96

MR diffusion imaging of the human brain, Chien D; Buxton RB; Kwong KK; et al, JCAT 1990; **14:** 514

MR Fourier transform arteriography using spectral decomposition, Cho ZH; Jung KJ; Ro YM, Magn Res Med 1990; **16:** 226

MR imaging–based volume measurements of the hippocampal formation and anterior temporal lobe: validation studies, Jack CR Jr; Bentley MD; Twomey CK; Zinsmeister AR, Radiology 1990; **176:** 205

MR imaging of motion with spatial modulation of magnetization, Axel L; Dougherty L, Radiology 1989; **171:** 841

M.R. imaging of the knee: a prospective trial using a low field strength magnet, James P; Buirski G, Australas Radiol 1990; **34:** 59

MR imaging of the knee: three-dimensional volume imaging combined with fast processing, Adam G; Bohndorf K; Drobnitzky M; et al, JCAT 1989; **13:** 984

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

MRI of "diffusion" in the human brain: new results using a modified CE-FAST sequence, Merboldt K-D; Bruhn H; Frahm J; et al, Magn Res Med 1989; **9:** 423

MR of the shoulder with a 0.2-T permanent-magnet unit, Sasaki M; Ehara S; Nakasato T; et al, AJR 1990; **154:** 777

MR phase-shift velocity mapping of mitral and pulmonary venous flow, Mohiaddin RH; Amanuma M; Kilner PJ; et al, JCAT 1991; **15:** 237

multinuclear NMR investigations of probe construction materials at 4.7 T, Babcock EE; Vaughan JT; Lesan B; et al, Magn Res Med 1990; **13:** 498

myocardial tagging in polar coordinates with use of striped tags, Bolster BD Jr; McVeigh ER; Zerhouni EA, Radiology 1990; **177:** 769

^{23}Na NMR measurement of the maximal rate of active sodium efflux from human red blood cells, Knubovets TL; Revazov AV; Sibeldina LA; et al, Magn Res Med 1989; **9:** 261

nasal orientation device to control head movement during CT and MR studies, Tofts PS; Kermode AG; MacManus DG; et al, JCAT 1990; **14:** 163

new acquisition mode for 2D inflow refreshment angiography, Doyle M; Matsuda T; Pohost GM, Magn Res Med 1991; **18:** 51

new magnet designs for MR, Hawksworth D, Magn Res Med 1991; **17:** 27

new spatial localization method using pulsed high-order field gradients (SHOT: selection with high-order gradient), Oh CH; Hilal SK; Cho ZH; et al, Magn Res Med 1991; **18:** 63

NMR probe to study function and metabolism simultaneously in isolated human cardiac tissue, Lareau S; Moore R; Mainwood GW; et al, Magn Res Med 1991; **20:** 312

NMR relaxation of water in hydrogel polymers: a model for tissue, Gore JC; Brown MS; Zhong J; et al, Magn Res Med 1989; **9:** 325

noninvasive measurement of transmural gradients in myocardial strain with MR imaging, McVeigh ER; Zerhouni EA, Radiology 1991; **180:** 677

nonperturbing test for cytotoxicity in isolated cells and spheroids, using electron paramagnetic resonance, Dobrucki JW; Sutherland RM; Swartz HM, Magn Res Med 1991; **19:** 42

normal abdominal enhancement patterns with dynamic gadolinium-enhanced MR imaging, Mirowitz SA; Gutierrez E; Lee JKT; Brown JJ; Heiken JP, Radiology 1991; **180:** 637

nuclear magnetic resonance velocity spectra of steady flow, Wendt RE III; Nitz WR; Murphy PH, Magn Res Med 1990; **15:** 90

numerical analysis of multislice MR excitation and inversion with multifrequency selective rf pulses, Hafner H-P; Müller S; Seelig J, Magn Res Med 1990; **13:** 279

oblique sagittal MR imaging of the anterior cruciate ligament, Engeler C; Miller S; Ochsner EG, Radiology 1991; **178:** 890

oblique sagittal MR imaging of the anterior cruciate ligament: reply, Buckwalter KA; Pennes DR, Radiology 1991; **178:** 891

observation by MR imaging of in vivo temperature changes induced by radio frequency hyperthermia, Hall AS; Prior MV; Hand JW; et al, JCAT 1990; **14:** 430

observations on the choice of reconstruction matrix in magnetic resonance imaging, Young IR; Hall AS, Comput Med Imag Graph 1991; **15:** 225

on the use of a slice-selective 270° self-refocusing Gaussian pulse for magnetic resonance imaging, Doddrell DM; Galloway GJ; Rose SE; et al, Magn Res Med 1991; **19:** 456

on the use of a slice-selective 270° self-refocusing Gaussian pulse for magnetic resonance imaging: comments on the note by D. M. Doddrell *et al.*, Emsley L; Bodenhausen G, Magn Res Med 1991; **19:** 461

on the use of double-quantum coherence from an AX_3 system (protons in lactate) for spectral editing, Nosel W; Trimble LA; Shen JF; et al, Magn Res Med 1989; **11:** 398

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013

optimization of magnetization transfer measurements: statistical analysis by stochastic simulation. application to creatine kinase kinetics, Rydzy M; Deslauriers R; Smith ICP; et al, Magn Res Med 1990; **15:** 260

panic attacks during MR imaging: treatment with IV diazepam, Avrahami E, AJNR 1990; **11:** 833

passive magnetic screening, Andrew ER, Magn Res Med 1991; **17:** 22

perfusion system developed for ^{31}P NMR study of melanoma cells at tissue-like density, Minichiello MM; Albert DM; Kolodny NH; et al, Magn Res Med 1989; **10:** 96

phospholipid bilayer contribution to ^{31}P NMR spectra *in vivo*, Murphy EJ; Rajagopalan B; Brindle KM; et al, Magn Res Med 1989; **12:** 282

physics of thin-section MR imaging at low field strength, Kramer DM; Guzman RJ; Carlson JW; Crooks LE; Kaufman L, Radiology 1989; **173:** 541

power deposition and noise correlation in NMR samples, Carlson JW, Magn Res Med 1989; **10:** 399

power of the proton, Weiner MW; Hetherington HP, Radiology 1989; **172:** 318

problems with achieving saturation using methods based on bursts of rf pulses with spoilers in magnetic resonance imaging, Young IR; Bydder GM; Bryant DJ, Magn Res Med 1989; **11:** 127

projection arteriography and venography: initial clinical results with MR, Edelman RR; Wentz KU; Mattle HP; Zhao B; Liu C; Kim D; Laub G, Radiology 1989; **172:** 351

projection flow imaging by bolus tracking using stimulated echoes, Foo TKF; Perman WH; Poon CSO; et al, Magn Res Med 1989; **9:** 203

projection images of the position–velocity joint spin density distribution, Xiang QS; Nalcioglu O, Magn Res Med 1990; **15:** 112

proton-decoupled, Overhauser-enhanced, spatially localized carbon-13 spectroscopy in humans, Bottomley PA; Hardy CJ; Roemer PB; et al, Magn Res Med 1989; **12:** 348

proton MR chemical shift imaging using double and triple phase contrast acquisition methods, Lodes CC; Felmlee JP; Ehman RL; et al, JCAT 1989; **13:** 855

proton NMR study of the state of water in fibrin gels, plasma, and blood clots, Blinc A; Lahajnar G; Blinc R; et al, Magn Res Med 1990; **14:** 105

QUALITY: *qua*ntification improvement by converting *li*neshapes to the Lorentzian *ty*pe, de Graaf AA; van Duk JE; Bovée WMMJ, Magn Res Med 1990; **13:** 343

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551

quantitation of abdominal aortic wall dynamics in man by gradient echo NMR imaging, Lanzer P; McKibbin W; Bohning D; et al, Magn Res Med 1990; **13:** 407

rapid acquisition spin-echo (RASE) MR imaging: a new technique for reduction of artifacts and acquisition time, Mirowitz SA; Lee JKT; Brown JJ; Eilenberg SS; Heiken JP; Perman WH, Radiology 1990; **175:** 131

rapid, fully automatic, arbitrary-volume *in vivo* shimming, Webb P; Macovski A, Magn Res Med 1991; **20:** 113

rapid *in* vivo shimming, Schneider EA; Glover G, Magn Res Med 1991; **18:** 335

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

real-time flow measurements using echo-planar imaging, Guilfoyle DN; Gibbs P; Ordidge RJ; et al, Magn Res Med 1991; **18:** 1

real-time interactive magnetic resonance imaging, Holsinger AE; Wright RC; Riederer SJ; et al, Magn Res Med 1990; **14:** 547

real-time MR fluoroscopic data acquisition and image reconstruction, Wright RC; Riederer SJ; Farzaneh F; et al, Magn Res Med 1989; **12:** 407

recent advances in spinal magnetic resonance imaging, Sze G, J Canad Assoc Radiol 1991; **42:** 190

reduced-bandwidth MR imaging of the head at 1.5 T, Simon JH; Foster TH; Ketonen L; Totterman S; Szumowski J; Kido DK; Manzione JV Jr; Joy SE, Radiology 1989; **172:** 771

reduction of flow artifacts in NMR diffusion imaging using view-angle tilted line-integral projection reconstruction, Jung KJ; Cho ZH, Magn Res Med 1991; **19:** 349

reduction of sound levels with antinoise in MR imaging, Goldman AM; Gossman WE; Friedlander PC, Radiology 1989; **173:** 549

regional effects of repetition time on NMR quantitation of water in normal and edematous lungs, Cutillo AG; Morris AH; Ganesan K; et al, Magn Res Med 1989; **12:** 137

regional ^1H transverse magnetization studies in perfused rabbit kidney, Mulkern RV; Stromski ME; Brady HR; et al, Magn Res Med 1991; **20:** 78

regional phase correction of inversion-recovery MR images, Borrello JA; Chenevert TL; Aisen AM, Magn Res Med 1990; **14:** 56

relation of low frequency restoration methods to the Gerchberg–Papoulis algorithm, Yan H; Mao J, Magn Res Med 1990; **16:** 166

relaxation measurements at 300 MHz using MR microscopy, Dockery SE; Suddarth SA; Johnson GA, Magn Res Med 1989; **11:** 182

reversal of tumor location on MR images, Phatak MG; Frank SJ; Horowitz AL; Iwanik DO; Chandrasekhar H, Radiology 1990; **175:** 283

RF cavity resonator and split-resonator designs, Mansfield P; McJury M; Glover P; et al, Magn Res Med 1991; **17:** 10

self-focusing 270° Gaussian pulses for slice selection without gradient reversal in magnetic resonance imaging, Emsley L; Bodenhausen G, Magn Res Med 1989; **10:** 273

separation of lipids from lactate in experimental allergic encephalomyelitis by zero quantum NMR techniques, Richards TL, Invest Radiol 1989; **24:** 955

simple calf muscle ergometer for use in a standard whole-body MR scanner, Quistorff B; Nielsen S; Thomsen C; et al, Magn Res Med 1990; **13:** 444

simple method of generating variable T_1 contrast images using temporally reordered phase encoding, Norris DG; Böttcher U; Leibfritz D, Magn Res Med 1990; **15:** 483

simultaneous multinuclear magnetic resonance imaging and spectroscopy, Moore GJ; Hrovat MI; González RG, Magn Res Med 1991; **19:** 105

simultaneous multislice imaging (SIMUSIM) for improved cardiac imaging, Müller S, Magn Res Med 1989; **10:** 145

single-scan volume-selective editing of NMR spectra with the aid of a split-pathway technique for homonuclear applications, Knüttel A; Kimmich R, Magn Res Med 1989; **10:** 411

single-scan volume-selective spectral editing by homonuclear polarization transfer, Knüttel A; Kimmich R, Magn Res Med 1989; **9:** 254

single-shot localized echo-planar imaging (STEAM–EPI) at 4.7 Tesla, Turner R; von Kienlin M; Moonen CTW; et al, Magn Res Med 1990; **14:** 401

snapshot imaging of 0.5 T using echo-planar techniques, Ordidge RJ; Howseman A; Coxon R; et al, Magn Res Med 1989; **10:** 227

sources of the increased longitudinal relaxation rates observed in melanotic melanoma: an in vitro study in synthetic melanins, Enochs WS; Hyslop WB; Bennett HF; et al, Invest Radiol 1989; **24:** 794

spatial mapping of ^{23}Na NMR signals by two-dimensional rotating frame imaging, Boehmer JP; Metz KR; Mao J; et al, Magn Res Med 1990; **16:** 335

spectral editing techniques for ^{31}P NMR spectroscopy of blood, Jayasundar R; Norwood TJ; Hall LD; et al, Magn Res Med 1989; **10:** 89

spin locking for magnetic resonance imaging with application to human breast, Santyr GE; Henkelman RM; Bronskill MJ, Magn Res Med 1989; **12:** 25

spoiling sequence for suppression of residual transverse magnetization, Wang HZ; Riederer SJ, Magn Res Med 1990; **15:** 175

steady-state free precession imaging in the presence of motion: application for improved visualization of the cerebrospinal fluid, Haacke EM; Wielopolski PA; Tkach JA; Modic MT, Radiology 1990; **175:** 545

stereoscopic MR imaging, Moseley ME; White DL; Wang S-c; et al, JCAT 1989; **13:** 167

study of optimization of the complex hyperbolic secant inversion pulses, Mao J; Virapongse C; Fitzsimmons JR, Magn Res Med 1990; **13:** 293

surface of the brain: three-dimensional MR images created with volume rendering, Levin DN; Hu X; Tan KK; Galhotra S, Radiology 1989; **171:** 277

switched array coils, Requardt H; Offermann J; Erhard P, Magn Res Med 1990; **13:** 385

T1 and T2 measurements on a 1.5-T commercial MR imager, Breger RK; Rimm AA; Fischer ME; Papke RA; Haughton VM, Radiology 1989; **171:** 273

T1-weighted snapshot gradient-echo MR imaging of the abdomen, Holsinger-Bampton AE; Riederer SJ; Campeau NG; Ehman RL; Johnson CD, Radiology 1991; **181:** 25

T2-weighted spin-echo pulse sequence with variable repetition and echo times for reduction of MR image acquisition time, Butts RK; Farzaneh F; Riederer SJ; Rydberg JN; Grimm RC, Radiology 1991; **180:** 551

target-point combination of MR images, Buxton RB; Greensite F, Magn Res Med 1991; **18:** 102

technical exhibits: RSNA '88 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1989; **170:** 919

technical note. device to facilitate MR imaging of patients in skeletal traction, Brunberg JA; Papadopoulos SM, AJNR 1991; **12:** 746

technical note: imaging of MR-compatible intracerebral depth electrodes, Duckwiler GR; Levesque M; Wilson CL; et al, AJNR 1990; **11:** 353

technical note: MR compatible winged infusion set, To SYC; Lufkin RB; Chiu L, Comput Med Imag Graph 1989; **13:** 469

temporal and spatial analysis of fields generated by eddy currents in superconducting magnets: optimization of corrections and quantitative characterization of magnet/gradient systems, Boesch C; Gruetter R; Martin E, Magn Res Med 1991; **20:** 268

three-dimensional FLASH imaging: applications with gadolinium-DTPA, Ross JS; Masaryk TJ; Modic MT, JCAT 1989; **13:** 547

three-dimensional gradient-recalled MR imaging as a screening tool for the diagnosis of cervical radiculopathy, Tsuruda JS; Norman D; Dillon WP; et al, AJR 1990; **154:** 375

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

three-dimensional magnetization-prepared rapid gradient-echo imaging (3D MP RAGE), Mugler JP III; Brookeman JR, Magn Res Med 1990; **15:** 152

three-dimensional segmentation of MR images of the head using probability and connectivity, Cline HE; Lorensen WE; Kikinis R; et al, JCAT 1990; **14:** 1037

three-dimensional time-of-flight magnetic resonance angiography using spin saturation, Dumoulin CL; Cline HE; Souza SP; et al, Magn Res Med 1989; **11:** 35

three-dimensional time-of-flight MR angiography: applications in the abdomen and thorax, Lewin JS; Laub G; Hausmann R, Radiology 1991; **179:** 261

three-dimensional (volume) gradient-echo imaging of the carotid bifurcation: preliminary clinical experience, Masaryk TJ; Modic MT; Ruggieri PM; Ross JS; Laub GA; Lenz GW; Tkach JA; Haacke EM; Selman WR; Harik SI, Radiology 1989; **171:** 801

three-point Dixon technique for true water/fat decomposition with B_0 inhomogeneity correction, Glover GH; Schneider E, Magn Res Med 1991; **18:** 371

tissue oxygenation: a novel determination using ^{19}F surface coil NMR spectroscopy of sequestered perfluorocarbon emulsion, Mason RP; Nunnally RL; Antich PP, Magn Res Med 1991; **18:** 71

transrectal probe for ^{1}H MRI and ^{31}P MR spectroscopy of the prostate gland, Narayan P; Vigneron DB; Jajodia P; et al, Magn Res Med 1989; **11:** 209

true water and fat MR imaging with use of multiple-echo acquisition, Williams SCR; Horsfield MA; Hall LD, Radiology 1989; **173:** 249

two-dimensional MR angiography in the evaluation of abdominal veins with gradient refocused sequences, Gehl H-B; Bohndorf K; Klose K-C; et al, JCAT 1990; **14:** 619

unified multiple-feature color display for MR images, Kamman RL; Stomp GP; Berendsen HJC, Magn Res Med 1989; **9:** 240

use of an improved inversion pulse with the spin-echo/inversion-recovery sequence to give increased accuracy and reduced imaging time for T1 measurements, Gowland PA; Leach MO; Sharp JC, Magn Res Med 1989; **12:** 261

use of gradient flow compensation to separate diffusion and microcirculatory flow in MRI, Maki JH; MacFall JR; Johnson GA, Magn Res Med 1991; **17:** 95

use of laboratory microcomputers to hold NMR data bases, Moore TA; Morris PG, Magn Res Med 1990; **13:** 458

use of magnetization transfer contrast in gradient-recalled echo images, Dixon WT, Radiology 1991; **179:** 15

use of solvent suppression technique to enhance changes due to susceptibility variations in magnetic resonance imaging, Hall AS; Collins AG; Bryant DJ; et al, Magn Res Med 1989; **9:** 411

use of ultralong echo time imaging to assist in measuring the velocity of perfused flow *in vivo*, Young IR; Coutts GA; Bryant DJ; et al, Magn Res Med 1989; **10:** 349

validation of a new method for stereotactic localization using MR imaging, Rousseau J; Clarysse P; Blond S; et al, JCAT 1991; **15:** 291

variation of contrast between different brain tissues with an MR snapshot technique, Klose U; Nägele T; Grodd W; Petersen D, Radiology 1990; **176:** 578

visual fuzzy cluster analysis of MR images, Young SW; Ballerio C; Carrol CL, AJR 1989; **152:** 19

volume imaging with MR phased arrays, Hayes CE; Hattes N; Roemer PB, Magn Res Med 1991; **18:** 309

volume-selective determination of the spin–lattice relaxation time in the rotating frame, $T_{1\rho}$, and $T_{1\rho}$ imaging, Rommel E; Kimmich R, Magn Res Med 1989; **12:** 209

whole-body echo-planar MR imaging at 0.5 T, Stehling MK; Howseman AM; Ordidge RJ; Chapman B; Turner R; Coxon R; Glover P; Mansfield P; Coupland RE, Radiology 1989; **170:** 257

Magnetic resonance (MR), three-dimensional

3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ, Radiology 1991; **179:** 797

3-D heart image reconstructed from MRI data, Kuwahara M; Eiho S, Comput Med Imag Graph 1991; **15:** 241

3-D imaging of the CNS, Runge VM; Gelblum DY; Wood ML, Neuroradiol 1990; **32:** 356

3D surface rendered MR images of the brain and its vasculature, Cline HE; Lorensen WE; Souza SP; et al, JCAT 1991; **15:** 344

automated surface interpolation technique for 3-D object reconstruction from serial cross sections, Chen S-Y; Lin W-C; Chen C-T, Comput Med Imag Graph 1991; **15:** 265

clinical comparison of three-dimensional MP-RAGE and FLASH techniques for MR imaging of the head, Runge VM; Kirsch JE; Thomas GS; Mugler JP III, JMRI 1991; **1:** 493

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

degenerative narrowing of the cervical spine neural foramina: evaluation with high-resolution 3DFT gradient-echo MR imaging, Yousem DM; Atlas SW; Goldberg HI; et al, AJNR 1991; **12:** 229

effects of magnetic susceptibility artifacts and motion in evaluating the cervical neural foramina on 3DFT gradient-echo MR imaging, Tsuruda JS; Remley K, AJNR 1991; **12:** 237

encoding strategies for three-direction phase-contrast MR imaging of flow, Pelc NJ; Bernstein MA; Shimakawa A; Glover GH, JMRI 1991; **1:** 405

hybrid MR angiography and Fourier velocity imaging using two echo 3D acquisition, Hou P; Parker DL; Blatter DD; et al, Magn Res Med 1991; **19:** 203

image analysis and quantification of atherosclerosis using MRI, Merickel MB; Carman CS; Brookeman JR; et al, Comput Med Imag Graph 1991; **15:** 207

interactive 3D localization of brain lesions, (ab), Levin DN; Tan KK; Grzeszczuk R; et al, Radiology 1991; **181:** 295

in vivo proton metabolite maps using the MESA 3D technique, Lampman DA; Murdoch JB; Paley M, Magn Res Med 1991; **18:** 169

lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327

magnetic resonance angiography of abdominal vessels: early experience using the three-dimensional phase-contrast technique, Vock P; Terrier F; Wegmüller H; et al, Br J Radiol 1991; **64:** 10

MR angiography by multiple thin slab 3D acquisition, Parker DL; Yuan C; Blatter DD, Magn Res Med 1991; **17:** 434

phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, Hausmann R; Lewin JS; Laub G, JMRI 1991; **1:** 415

phase-offset multiplanar (POMP) volume imaging: a new technique, Glover GH, JMRI 1991; **1:** 457

simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA, JMRI 1991; **1:** 399

tears of cruciate ligaments and menisci: evaluation with cine MR imaging, Niitsu M; Anno I; Fukubayashi T; Shimojo H; Kuno S-y; Akisada M, Radiology 1991; **178:** 859

three-dimensional display in nuclear medicine and radiology, Wallis JW; Miller TR, J Nucl Med 1991; **32:** 534

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

three-dimensional MR microscopy with large arrays, Suddarth SA; Johnson GA, Magn Res Med 1991; **18:** 132

tracking of boundaries in multidimensional medical images, Herman GT, Comput Med Imag Graph 1991; **15:** 257

Magnetic resonance (MR), tissue characterization

Alzheimer disease: measuring loss of cerebral gray matter with MR imaging, Rusinek H; de Leon MJ; George AE; Stylopoulos LA; Chandra R; Smith G; Rand T; Mourino MR; Kowalski H, Radiology 1991; **178:** 109

applications of nuclear magnetic cross-relaxation spectroscopy to tissues, Grad J; Mendelson D; Hyder F; et al, Magn Res Med 1991; **17:** 452

articular cartilage: correlation of histologic zones with signal intensity at MR imaging, Modl JM; Sether LA; Haughton VM; Kneeland JB, Radiology 1991; **181:** 853

bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL, Radiology 1989; **173:** 181

bone marrow disorders: characterization with quantitative MR imaging, Smith SR; Williams CE; Davies JM; Edwards RHT, Radiology 1989; **172:** 805

breast disease: tissue characterization with Gd-DTPA enhancement profiles, Stack JP; Redmond OM; Codd MB; Dervan PA; Ennis JT, Radiology 1990; **174:** 491

cardiovascular MR imaging with iron oxide particles: utility of a superparamagnetic contrast agent and the role of diffusion in signal loss, Rozenman Y; Zou X; Kantor HL, Radiology 1990; **175:** 655

characterization of normal brain tissue using seven calculated MRI parameters and a statistical analysis system, Hyman TJ; Kurland RJ; Levy GC; et al, Magn Res Med 1989; **11:** 22

chronically obstructed sinonasal secretions: observations on T1 and T2 shortening, Som PM; Dillon WP; Fullerton GD; Zimmerman RA; Rajagopalan B; Marom Z, Radiology 1989; **172:** 515

clinical application of superparamagnetic iron oxide to MR imaging of tissue perfusion in vascular liver tumors, Hahn PF; Stark DD; Weissleder R; Elizondo G; Saini S; Ferrucci JT, Radiology 1990; **174:** 361

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

comparison of human polymorphonuclear leukocytes from peripheral blood and purulent exudates by high resolution ^{1}H MRS, May GL; Sztelma K; Sorrell TC; et al, Magn Res Med 1991; **19:** 191

controversy in the MR imaging appearance of fibrosis, Lee JKT; Glazer HS, Radiology 1990; **177:** 21

cranial bone marrow in children: assessment of normal development with MR imaging, Okada Y; Aoki S; Barkovich AJ; Nishimura K; Norman D; Kjos BO; Brasch RC, Radiology 1989; **171:** 161

definitive diagnosis of hepatic hemangiomas: MR imaging versus Tc-99m-labeled red blood cell SPECT, Birnbaum BA; Weinreb JC; Megibow AJ; Sanger JJ; Lubat E; Kanamuller H; Noz ME; Bosniak MA, Radiology 1990; **176:** 95

dermal grafts of the temporomandibular joint: postoperative appearance on MR images, Lieberman JM; Bradrick JP; Indresano AT; Smith AS; Bellon EM, Radiology 1990; **176:** 199

diagnostic significance of interslice gap and imaging volume in body MR imaging, Schwaighofer BW; Yu KK; Mattrey RF, AJR 1989; **153:** 629

differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ, Radiology 1991; **179:** 653

diffusion/perfusion MR imaging of the brain: from structure to function, Le Bihan D, Radiology 1990; **177:** 328

effect of aging and storage conditions on excised tissues as monitored by longitudinal relaxation dispersion profiles, Fischer HW; Van Haverbeke Y; Rinck PA; et al, Magn Res Med 1989; **9:** 315

effect of tendon orientation on MR imaging signal intensity: a manifestation of the "magic angle" phenomenon, Erickson SJ; Cox IH; Hyde JS; Carrera GF; Strandt JA; Estkowski LD, Radiology 1991; **181:** 389

effect of trabecular bone on the appearance of marrow in gradient-echo imaging of the appendicular skeleton, Sebag GH; Moore SG, Radiology 1990; **174:** 855

epiphyseal marrow in infancy: MR imaging, Jaramillo D; Laor T; Hoffer FA; Zaleske DJ; Cleveland RH; Buchbinder BR; Egglin TK, Radiology 1991; **180:** 809

evaluation of the susceptibility effect on the phase images of a simple gradient echo, Yamada N; Imakita S; Sakuma T; Nishimura Y; Yamada Y; Naito H; Nishimura T; Takamiya M, Radiology 1990; **175:** 561

exertional muscle injury: evaluation of concentric versus eccentric actions with serial MR imaging, Shellock FG; Fukunaga T; Mink JH; Edgerton VR, Radiology 1991; **179:** 659

fast short-tau inversion-recovery MR imaging, Fleckenstein JL; Archer BT; Barker BA; Vaughan JT; Parkey RW; Peshock RM, Radiology 1991; **179:** 499

focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL, Radiology 1991; **181:** 521

focal hepatic lesions: differentiation with MR imaging at 0.5 T, Brown JJ; Lee JM; Lee JKT; Van Lom KJ; Malchow SC, Radiology 1991; **179:** 675

focal nodular hyperplasia of the liver: assessment with contrast-enhanced turboFLASH MR imaging, Mathieu D; Rahmouni A; Anglade M-C; Falise B; Beges C; Gheung P; Mollet JJ; Vasile N, Radiology 1991; **180:** 25

focal signal-intensity variations in the posterior internal capsule: normal MR findings and distinction from pathologic findings, Mirowitz SA; Sartor K; Gado M; Torack R, Radiology 1989; **172:** 535

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

hepatic tumors: quantitative tissue characterization with MR imaging, Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT, Radiology 1990; **176:** 107

high signal intensity in MR images of calcified brain tissue, Henkelman RM; Watts JF; Kucharczyk W, Radiology 1991; **179:** 199

human brain: localized H-1 MR spectroscopy at 1.0 T, Sauter R; Loeffler W; Bruhn H; Frahm J, Radiology 1990; **176:** 221

human neoplasm pH and response to radiation therapy: P-31 MR spectroscopy studies in situ, Ng TC; Majors AW; Vijayakumar S; Baldwin NJ; Thomas FJ; Koumoundourous I; Taylor ME; Grundfest SF; Meaney TF; Tubbs RR; Shin KH, Radiology 1989; **170:** 875

hypointense MR signal in chronically inspissated sinonasal secretions, Dillon WP; Som PM; Fullerton GD, Radiology 1990; **174:** 73

hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M, Radiology 1990; **176:** 777

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

in vivo high-resolution MR imaging of the skin in a whole-body system at 1.5 T, Bittoun J; Saint-Jalmes H; Querleux BG; Darrasse L; Jolivet O; Idy-Peretti I; Wartski M; Richard SB; Leveque J-L, Radiology 1990; **176:** 457

junctional zone of the uterus: correlation of MR imaging and histologic examination of hysterectomy specimens, Scoutt LM; Flynn SD; Luthringer DJ; McCauley TR; McCarthy SM, Radiology 1991; **179:** 403

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

magnetization transfer contrast: MR imaging of the knee, Wolff SD; Chesnick S; Frank JA; Lim KO; Balaban RS, Radiology 1991; **179:** 623

marrow repopulation after bone marrow transplantation, Smith SR; Roberts N; Edwards RHT, Radiology 1991; **178:** 581

measurement of tumor pH with in vivo MR spectroscopy, Smith SR; Griffiths RD; Martin PA; Edwards RHT, Radiology 1989; **173:** 572

measurement of tumor pH with in vivo MR spectroscopy: reply, Ng TC; Majors AW; Vijayakumar S, Radiology 1989; **173:** 573

meningiomas: MR and histopathologic features, Elster AD; Challa VR; Gilbert TH; Richardson DN; Contento JC, Radiology 1989; **170:** 857

meningioma subtypes: MR and PET features, Di Chiro G, Radiology 1989; **172:** 578

meningioma subtypes: MR and PET features: reply, Elster AD, Radiology 1989; **172:** 578

morphological identification of brown adipose tissue by magnetic resonance imaging in the rat, Osculati F; Leclercq F; Sbarbati A; et al, Eur J Radiol 1989; **9:** 112

MR characterization of adrenal masses: field strength and pulse sequence considerations, Kier R; McCarthy SM, Radiology 1989; **171:** 671

MR imaging of bone marrow: a map could help, Weinreb JC, Radiology 1990; **177:** 23

MR imaging of diffuse bone marrow replacement in pediatric patients with cancer, Ruzal-Shapiro C; Berdon WE; Cohen MD; Abramson SJ, Radiology 1991; **181:** 587

muscular sarcoidosis: findings at MR imaging, Otake S; Banno T; Ohba S; Noda M; Yamamoto M, Radiology 1990; **176:** 145

NMR determination of myocardial pH *in vivo*: separation of tissue inorganic phosphate from blood 2,3-DPG, Zahler R; Majumdar S; Frederick B; et al, Magn Res Med 1991; **17:** 368

nonacute subdural hematoma: fundamental interpretation of MR images based on biochemical and in vitro MR analysis, Ebisu T; Naruse S; Horikawa Y; Tanaka C; Higuchi T, Radiology 1989; **171:** 449

non-Hodgkin lymphoma: predicting prognostic grade with MR imaging, Rehn SM; Nyman RS; Glimelius BLG; Hagberg HE; Sundström JC, Radiology 1990; **176:** 249

noninvasive differentiation of tumors with use of localized H-1 MR spectroscopy in vivo: initial experience in patients with cerebral tumors, Bruhn H; Frahm J; Gyngell ML; Merboldt KD; Hänicke W; Sauter R; Hamburger C, Radiology 1989; **172:** 541

normal age-related changes in bone marrow in the axial skeleton at MR imaging, Schick RM, Radiology 1991; **179:** 877

normal age-related changes in bone marrow in the axial skeleton at MR imaging: reply, Zerhouni EA; Ricci C, Radiology 1991; **179:** 877

normal age-related patterns of cellular and fatty bone marrow distribution in the axial skeleton: MR imaging study, Ricci C; Cova M; Kang YS; Yang A; Rahmouni A; Scott WW Jr; Zerhouni EA, Radiology 1990; **177:** 83

normal rotator cuff: MR imaging with conventional and fat-suppression techniques, Mirowitz SA, Radiology 1991; **180:** 735

P-31 MR spectroscopy of normal human brain and brain tumors, Hubesch B; Sappey-Marinier D; Roth K; Meyerhoff DJ; Matson GB; Weiner MW, Radiology 1990; **174:** 401

P-31 spectroscopy study of response of superficial human tumors to therapy, Karczmar GS; Meyerhoff DJ; Boska MD; Hubesch B; Poole J; Matson GB; Valone F; Weiner MW, Radiology 1991; **179:** 149

power of the proton, Weiner MW; Hetherington HP, Radiology 1989; **172:** 318

progression of meniscal degenerative changes in college football players: evaluation with MR imaging, Reinig JW; McDevitt ER; Ove PN, Radiology 1991; **181:** 255

prominent meningeal enhancement adjacent to meningioma on Gd-DTPA–enhanced MR images: histopathologic correlation, Tokumaru A; O'uchi T; Eguchi T; Kawamoto S; Kokubo T; Suzuki M; Kameda T, Radiology 1990; **175:** 431

prostate cancer: correlation of MR images with tissue optical density at pathologic examination, Quint LE; Van Erp JS; Bland PH; Del Buono EA; Mandell SH; Grossman HB; Gikas PW, Radiology 1991; **179:** 837

prostatic carcinoma and benign prostatic hyperplasia: correlation of high-resolution MR and histopathologic findings, Schiebler ML; Tomaszewski JE; Bezzi M; Pollack HM; Kressel HY; Cohen EK; Altman HG; Gefter WB; Wein AJ; Axel L, Radiology 1989; **172:** 131

proton spectroscopic imaging (Dixon method) of the liver: clinical utility, Schertz LD; Lee JKT; Heiken JP; Molina PL; Totty WG, Radiology 1989; **173:** 401

reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G, Radiology 1989; **172:** 53

repopulation of marrow after transplantation: MR imaging with pathologic correlation, Stevens SK; Moore SG; Amylon MD, Radiology 1990; **175:** 213

role of membrane water permeability in characterization of pathologically altered human stomach tissues: NMR studies, Srejić R; Popov DV; Boričić I; et al, Magn Res Med 1990; **15:** 469

simulation of biologic tissues by using agar gels at magnetic resonance imaging, Bucciolini M; Ciraolo L; Lehmann B, Acta Radiol 1989; **30:** 667

small hepatocellular carcinoma versus small cavernous hemangioma: differentiation with MR imaging at 2.0 T, Choi BI; Han MC; Kim C-W, Radiology 1990; **176:** 103

success of acute thrombolytic therapy in acute myocardial infarction: what does it demand from cardiac imaging in the 1990s?, Higgins CB, Radiology 1989; **172:** 17

T1 and T2 relaxation time estimates in the normal human brain, Agartz I; Sääf J; Wahlund L-O; Wetterberg L, Radiology 1991; **181:** 537

tissue characterization of chronic myocardial infarction, Scholz TD; Vandenberg BF; Fleagle SR; et al, Invest Radiol 1990; **25:** 1120

towards quantitative measurements of relaxation times and other parameters in the brain, Tofts PS; du Boulay EPGH, Neuroradiol 1990; **32:** 407

tumor characterization using unconventional MR modalities, Griffey RH, Invest Radiol 1989; **24:** 985

use of magnetite particles as a contrast agent for MR imaging of the liver, Kawamura Y; Endo K; Watanabe Y; Saga T; Nakai T; Hikita H; Kagawa K; Konishi J, Radiology 1990; **174:** 357

uterine junctional zone: MR study of water content and relaxation properties, McCarthy S; Scott G; Majumdar S; Shapiro B; Thompson S; Lange R; Gore J, Radiology 1989; **171:** 241

validation of magnetic resonance imaging (MRI) multispectral tissue classification, Vannier MW; Pilgram TK; Speidel CM; et al, Comput Med Imag Graph 1991; **15:** 217

Magnetic resonance (MR), treatment planning

EEG scalp electrode projection onto three-dimensional surface rendered images of the brain, Jack CR Jr; Marsh WR; Hirschorn KA; Sharbrough FW; Cascino GD; Karwoski RA; Robb RA, Radiology 1990; **176:** 413

imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance, Le Bihan D; Turner R; Moonen CTW; Pekar J, JMRI 1991; **1:** 7

MRI treatment planning for CNS neoplasm: graphic display of target volume using boxed cursor, Fortier GA; Pellitteri MR, Int J Radiat Oncol Biol Phys 1990; **19:** 179

MR technique for localization and verification procedures in episcleral brachytherapy, Houdek PV; Schwade JG; Medina AJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1111

noninvasive temperature imaging using diffusion MRI, Delannoy J; Chen C-N; Turner R; et al, Magn Res Med 1991; **19:** 333

P-31 spectroscopy study of response of superficial human tumors to therapy, Karczmar GS; Meyerhoff DJ; Boska MD; Hubesch B; Poole J; Matson GB; Valone F; Weiner MW, Radiology 1991; **179:** 149

three-dimensional compensating filters using magnetic resonance images, Kennedy WL; Boles M; Lepkowski H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1525

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

Magnetic resonance (MR), utilization

clinical activities of pediatric radiologists in the United States and Canada: 10-year follow-up, Forman HP; Leonidas JC; Kirks DR, Radiology 1990; **175:** 127

deep venous thrombosis ot extremities: role of MR imaging in the diagnosis, Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM, Radiology 1990; **174:** 425

morphology, symptoms, and causality, Modic MT; Ross JS, Radiology 1990; **175:** 619

MR imaging of the knee with a 0.064-T permanent magnet, Rothschild PA; Domesek JM; Kaufman L; Kramer DM; Dye SF; Anderson LJ; Lewis JL; Gon MK, Radiology 1990; **175:** 775

salient features of MR angiography, Haacke EM; Masaryk TJ, Radiology 1989; **173:** 611

Magnetic resonance (MR), vascular studies

application of a connected-voxel algorithm to MR angiographic data, Saloner D; Hanson WA; Tsuruda JS; van Tyen R; Anderson CM; Lee RE, JMRI 1991; **1:** 423

cerebral MR angiography with multiple overlapping thin slab acquisition: part I. quantitative analysis of vessel visibility, Blatter DD; Parker DL; Robison RO, Radiology 1991; **179:** 805

comparison of magnetic resonance angiography, magnetic resonance imaging and conventional angiography in cerebral arteriovenous malformation, Nüssel F; Wegmüller H; Huber P, Neuroradiol 1991; **33:** 56

conventional MR neuroangiography, El Gammal T; Brooks BS, AJR 1991; **156:** 1075

coronary angiography using fast selective inversion recovery, Wang SJ; Hu BS; Macovski A; et al, Magn Res Med 1991; **18:** 417

coronary arteries: breath-hold MR angiography, Edelman RR; Manning WJ; Burstein D; Paulin S, Radiology 1991; **181:** 641

diagnosis of carotid artery stenosis: comparison of 2DFT time-of-flight MR angiography with contrast angiography in 50 patients, Litt AW; Eidelman EM; Pinto RS; et al, AJR 1991; **156:** 611

diagnosis of femoral arteriovenous fistula by MR imaging with velocity mapping, Mohiaddin RH; Lowell DG; Underwood RS; et al, JCAT 1991; **15:** 697

diffusion of water in tissues and MRI, Hazlewood CF; Rorschach HE; Lin C, Magn Res Med 1991; **19:** 214

direct projective time-of-flight NMR angiography within 4 s, Matsuda T; Doyle M; Pohost GM, Magn Res Med 1991; **18:** 395

dural sinus thrombosis: diagnosis and follow-up by magnetic resonance angiography and imaging, Padayachee TS; Bingham JB; Graves MJ; et al, Neuroradiol 1991; **33:** 165

encoding strategies for three-direction phase-contrast MR imaging of flow, Pelc NJ; Bernstein MA; Shimakawa A; Glover GH, JMRI 1991; **1:** 405

evaluation of the carotid artery bifurcation: comparison of magnetic resonance angiography and digital subtraction arch aortography, Kido DK; Barsotti JB; Rice LZ; et al, Neuroradiol 1991; **33:** 48

experimental Gd-DTPA polylysine enhanced MR angiography: sequence optimization, Marchal G; Bosmans H; Van Hecke P; et al, JCAT 1991; **15:** 711

fast selective black blood MR imaging, Edelman RR; Chien D; Kim D, Radiology 1991; **181:** 655

fast time-of-flight MR angiography with improved background suppression, Edelman RR; Chien D; Atkinson DJ; Sandstrom J, Radiology 1991; **179:** 867

flow-independent magnetic resonance projection angiography, Wright GA; Nishimura DG; Macovski A, Magn Res Med 1991; **17:** 126

hybrid MR angiography and Fourier velocity imaging using two echo 3D acquisition, Hou P; Parker DL; Blatter DD; et al, Magn Res Med 1991; **19:** 203

imaging of hemodialysis fistulas: limitations of MR angiography, Gehl H-B; Bohndorf K; Gladziwa U; et al, JCAT 1991; **15:** 271

interleaved magnetic resonance and ultrasound by electronic synchronization, Sebok DA; Wilkerson D; Schroder W; et al, Invest Radiol 1991; **26:** 353

liver transplantation: MR angiography with surgical validation, Finn JP; Edelman RR; Jenkins RL; Lewis WD; Longmaid HE; Kane RA; Stokes KR; Mattle HP; Clouse ME, Radiology 1991; **179:** 265

lumen definition in MR angiography, Lin W; Haacke EM; Smith AS, JMRI 1991; **1:** 327

magnetic resonance angiography of abdominal vessels: early experience using the three-dimensional phase-contrast technique, Vock P; Terrier F; Wegmüller H; et al, Br J Radiol 1991; **64:** 10

magnetic resonance techniques for blood-flow measurement and vascular imaging, Rutt BK; Napel S, J Canad Assoc Radiol 1991; **42:** 21

method of coronary MR angiography, Dumoulin CL; Souza SP; Darrow RD; et al, JCAT 1991; **15:** 705

MR angiography by multiple thin slab 3D acquisition, Parker DL; Yuan C; Blatter DD, Magn Res Med 1991; **17:** 434

MR angiography in portal hypertension: detection of varices and imaging techniques, Johnson CD; Ehman RL; Rakela J; et al, JCAT 1991; **15:** 578

MR angiography of the carotid arteries: clinical applications, (ab), Boyko OB; Edelman RR; Litt AW, Radiology 1991; **181:** 613

MR Fourier transform arteriography using spectral decomposition, Cho ZH; Jung KJ; Ro YM, Magn Res Med 1990; **16:** 226

MR imaging of coronary artery flow in isolated and in vivo hearts, Burstein D, JMRI 1991; **1:** 337

MR phase-shift velocity mapping of mitral and pulmonary venous flow, Mohiaddin RH; Amanuma M; Kilner PJ; et al, JCAT 1991; **15:** 237

multiexponential proton relaxation in model cellular systems, Menon RS; Rusinko MS; Allen PS, Magn Res Med 1991; **20:** 196

multiple inversion recovery reduces static tissue signal in angiograms, Dixon WT; Sardashti M; Castillo M; et al, Magn Res Med 1991; **18:** 257

multiple-readout selective inversion recovery angiography, Wang SJ; Nishimura DG; Macovski A, Magn Res Med 1991; **17:** 244

new acquisition mode for 2D inflow refreshment angiography, Doyle M; Matsuda T; Pohost GM, Magn Res Med 1991; **18:** 51

NMR angiography of coronary vessels with 2-D planar image scanning, Cho ZH; Mun CW; Friedenberg RM, Magn Res Med 1991; **20:** 134

persistent nidus blood flow in cerebral arteriovenous malformation after stereotactic radiosurgery: MR imaging assessment, Quisling RG; Peters KR; Friedman WA; Tart RP, Radiology 1991; **180:** 785

phase-contrast MR angiography with reduced acquisition time: new concepts in sequence design, Hausmann R; Lewin JS; Laub G, JMRI 1991; **1:** 415

real-time interactive color flow MR imaging, Riederer SJ; Wright RC; Ehman RL; Rossman PJ; Holsinger-Bampton AE; Hangiandreou NJ; Grimm RC, Radiology 1991; **181:** 33

relative volume-average murine tumor blood flow measurement via deuterium nuclear magnetic resonance spectroscopy, Mattiello J; Evelhoch JL, Magn Res Med 1991; **18:** 320

right and left ventricular stroke volume measurements with velocity-encoded cine MR imaging: in vitro and in vivo validation, Kondo C; Caputo GR; Semelka R; et al, AJR 1991; **157:** 9

simultaneous acquisition of phase-contrast angiograms and stationary-tissue images with Hadamard encoding of flow-induced phase shifts, Dumoulin CL; Souza SP; Darrow RD; Pelc NJ; Adams WJ; Ash SA, JMRI 1991; **1:** 399

stereoscopic display of MR angiograms, Wentz KU; Mattle HP; Edelman RR; et al, Neuroradiol 1991; **33:** 123

studies of restricted diffusion in heterogeneous media containing variations in susceptibility, Zhong J; Gore JC, Magn Res Med 1991; **19:** 276

three-dimensional time-of-flight MR angiography: applications in the abdomen and thorax, Lewin JS; Laub G; Hausmann R, Radiology 1991; **179:** 261

three-dimensional time-of-flight MR angiography in the evaluation of cerebral aneurysms, Sevick RJ; Tsuruda JS; Schmalbrock P, JCAT 1990; **14:** 874

two-dimensional MR angiography in the evaluation of abdominal veins with gradient refocused sequences, (ab), Gehl H-B; Bohndorf K; Klose KC; et al, JVIR 1990; **1:** 136

use of magnetic particles for sensitizing MR images to blood flow, Hardy PA; Bronskill MJ; Belanger M-J; Henkelman RM, JMRI 1991; **1:** 431

validation of freely diffusible tracer methods with NMR detection for measurement of blood flow, Neil JJ, Magn Res Med 1991; **19:** 299

very slow flow imaging, Décorps M; Bourgeois D, Magn Res Med 1991; **19:** 270

volume rendering and connectivity algorithms for MR angiography, Cline HE; Dumoulin CL; Lorensen WE; et al, Magn Res Med 1991; **18:** 384

Magnetic resonance (MR) guidance

clinical use of a nonferromagnetic needle for magnetic resonance-guided biopsy, Mueller PR; Stark DD; Simeone JF; et al, Gastrointest Radiol 1989; **14:** 61

coaxial needle system of MR- and CT-guided aspiration cytology, Lufkin R; Layfield L, JCAT 1989; **13:** 1105

head and neck lesions: MR-guided aspiration biopsy, Duckwiler GR; Lufkin RB; Teresi LM; Spickler E; Dion JE; Viñuela F; Bentson JR; Hanafee WN, Radiology 1989; **170:** 519

MR-directed needle biopsies, Duckwiler GR; Lufkin RB; Hanafee WN, Radiol Clin North Am 1989; **27:** 255

technical note: enhanced MR-guided stereotaxic brain surgery with the patient under general anesthesia, Andoh K; Nakamae H; Ohkoshi T; et al, AJNR 1991; **12:** 135

Malacoplakia

malacoplakia of the prostate sonographically mimicking carcinoma, Chantelois AE; Parker SH; Sims JE; Horne DW, Radiology 1990; **177:** 193

malakoplakia of the ureter and bladder, Baumgartner BR; Alagappian R, Urol Radiol 1990; **12:** 157

Mammography

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Mandible

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Manganese

direct hepatic tumor injection in rats: can it be used for analysis of MR imaging contrast agents?, Murphy FB; Fernandez MdP; Kossoff MB; Dillehay DL; Malko JA; Bernardino ME, JMRI 1991; **1:** 83

hepatobiliary MR imaging: first human experience with MnDPDP, Lim KO; Stark DD; Leese PT; Pfefferbaum A; Rocklage SM; Quay SC, Radiology 1991; **178:** 79

hyperintense basal ganglia on T1-weighted MR images in patients receiving parenteral nutrition, Mirowitz SA; Westrich TJ; Hirsch JD, Radiology 1991; **181:** 117

occlusive and reperfused myocardial infarcts: differentiation with Mn-DPDP–enhanced MR imaging, Saeed M; Wagner S; Wendland MF; Derugin N; Finkbeiner WE; Higgins CB, Radiology 1989; **172:** 59

pancreatic enhancement after low-dose infusion of Mn-DPDP, Gehl H-B; Vorwerk D; Klose K-C; Günther RW, Radiology 1991; **180:** 337

preclinical evaluation of MnDPDP: new paramagnetic hepatobiliary contrast agent for MR imaging, Elizondo G; Fretz CJ; Stark DD; Rocklage SM; Quay SC; Worah D; Tsang Y-M; Chen MC-M; Ferrucci JT, Radiology 1991; **178:** 73

Marfan syndrome

case report 582, Arroyo JF; Garcia JF, Skeletal Radiol 1989; **18:** 614

diagnosis of coronary artery dehiscence and pseudoaneurysm formation in postoperative Marfan patient by color flow Doppler echocardiography, Rice MJ; McDonald RW; Reller MD, JCU 1989; **17:** 359

dissecting basilar artery aneurysm in Marfan syndrome: case report, Rose BS; Pretorius DL, AJNR 1991; **12:** 503

multiple meningeal cysts in Marfan syndrome, Robinson L; Dominguez R; Cabrera J; et al, AJNR 1989; **10:** 1275

musculoskeletal manifestations of the Marfan syndrome: radiologic features, Magid D; Fyeritz RE; Fishman EK, AJR 1990; **155:** 99

Marshall-Smith syndrome

Marshall-Smith syndrome: new radiographic, clinical, and pathologic observations, Eich GF; Silver MM; Weksberg R; Daneman A; Costa T, Radiology 1991; **181:** 183

Mastocytosis

case report 561, Schweitzer ME; Irwin GAL, Skeletal Radiol 1989; **18:** 411

migratory multiple bone involvement in a patient with systemic mastocytosis, Lidor C; Hallel T; Oren VO, Clin Nucl Med 1990; **15:** 640

nuclear medicine imaging of systemic mastocytosis, Arrington ER; Eisenberg B; Hartshorne MF; et al, J Nucl Med 1989; **30:** 2046

Mastoid, abnormalities

mastoid abnormalities in Down syndrome, Glass RBJ; Yousefzadeh DK; Roizen NJ, Pediatr Radiol 1989; **19:** 311

Mastoid, CT

malignant external otitis: utility of CT in diagnosis and follow-up, Rubin J; Curtin HD; Yu VL; Kamerer DB, Radiology 1990; **174:** 391

Mastoid, cysts

cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521

Mastoid, MR

MRI of mastoid and middle ear disease, Holliday RA; Reede DL, Radiol Clin North Am 1989; **27:** 283

Mastoiditis

malignant external otitis: utility of CT in diagnosis and follow-up, Rubin J; Curtin HD; Yu VL; Kamerer DB, Radiology 1990; **174:** 391

Maxilla

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McArdle disease

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Meckel diverticulum

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Meconium

changing patterns of treatment and survival in neonates with meconium ileus, (ab), Rescorla FJ; Grosfeld JL; West KJ; et al, Radiology 1990; **174:** 295

CT monitoring of therapy for meconium ileus, Moody AR; Haddock JA; Given-Wilson R; et al, JCAT 1990; **14:** 1010

long-term pulmonary sequelae of meconium aspiration syndrome, (ab), Swaminathan S; Quinn J; Stabile MW; et al, Radiology 1990; **176:** 296

meconium aspiration syndrome: have we made a difference?, (ab), Wiswell TE; Tuggle JM; Turner BS, Radiology 1990; **177:** 598

Mediastinitis

detection of mediastinitis after heart transplantation by gallium-67 scintigraphy, Quirce R; Serano J; Arnal C; et al, J Nucl Med 1991; **32:** 860

fibrosing mediastinitis in the posterior thorax, Kountz PD; Molina PL; Sagel SS, AJR 1989; **153:** 489

imaging of pediatric mediastinal histoplasmosis, Kirchner SG; Hernanz-Schulman M; Stein SM; Wright PF; Heller RM, Radiographics 1991; **11:** 365

life-threatening acute posterior mediastinitis due to esophageal perforation, (ab), Burnett CM; Rosemurgy AS; Pfeiffer EA, Radiology 1991; **179:** 884

mediastinal actinomycosis, Morgan DE; Nath H; Sanders C; et al, AJR 1990; **155:** 735

sclerosing mediastinitis: improved management with histoplasmosis titer and ketoconazole, (ab), Urschel HC Jr; Razzuk MA; Netto GJ; et al, Radiology 1991; **180:** 293

staphylococcal mediastinitis due to sternoclavicular pyarthrosis: CT appearance, Pollack MS, JCAT 1990; **14:** 924

Mediastinum

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Ranade SS; Trivedi PN; Bamane VS, Radiology 1990; **174:** 284

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Glazer GM; Orringer MB; Chenevert TL, Radiology 1990; **174:** 285

Mediastinum, abnormalities

amyloidosis: diffuse involvement of the retroperitoneum, Glynn TP Jr; Kreipke DL; Irons JM, Radiology 1989; **170:** 726

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

Mediastinum, abscess

esophageal perforation with mediastinal abscess in child abuse, Ablin DS; Reinhart MA, Pediatr Radiol 1990; **20:** 524

percutaneous abscess drainage: current concepts, vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW, Radiology 1991; **181:** 617

percutaneous drainage of chest abscesses in children, Ball WS Jr; Bisset GS III; Towbin RB, Radiology 1989; **171:** 431

percutaneous drainage of chest abscesses in children, Melhem RE, Radiology 1989; **173:** 575

percutaneous drainage of chest abscesses in children: reply, Ball WS Jr; Bisset GS III, Radiology 1989; **173:** 575

primary mediastinal tuberculous abscess: demonstration with MR, Gupta RK; Sharma BK; Jena A; et al, Pediatr Radiol 1989; **19:** 330

Mediastinum, anatomy

CT of posterior mediastinal masses, Kawashima A; Fishman EK; Kuhlman JE; Nixon MS, Radiographics 1991; **11:** 1045

left paratracheal reflection, Proto AV; Corcoran HL; Ball JB Jr, Radiology 1989; **171:** 625

Mediastinum, biopsy

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

mediastinal tumors: biopsy under US guidance, Wernecke K; Vassallo P; Peters PE; von Bassewitz D-B, Radiology 1989; **172:** 473

transosseous approach for thoracic needle biopsy, Glynn TP Jr, Radiology 1990; **177:** 278

transthoracic aspiration biopsy of pulmonary and mediastinal lesions, de Gregorio Ariza MA; Aguirán ERA; Atance JLV; et al, Eur J Radiol 1991; **12:** 98

Tru-Cut biopsy of mediastinal masses guided by real-time sonography, Sawhney S; Jain R; Berry M, Clin Radiol 1991; **44:** 16

ultrasound-guided aspiration biopsy of anterior mediastinal masses, Tikkakoski T; Lohela P; Leppänen M; et al, JCU 1991; **19:** 209

Mediastinum, CT

air-filled, multilocular, bronchopulmonary foregut duplication cyst of the mediastinum: unusual computed tomography appearance, Woodring JH; Mac Vandiviere H; Dillon ML, Clin Imag 1989; **13:** 44

benign mediastinal cysts: pointed appearance on CT, Demos TC; Budorick NE; Posniak HV, JCAT 1989; **13:** 132

calcification of the ligamentum arteriosum in children: a normal finding on CT, Bisceglia M; Donaldson JS, AJR 1991; **156:** 351

computed tomographic staging of anterior mediastinal neoplasms, (ab), Rendina EA; Venuta F; Ceroni L; et al, Radiology 1989; **171:** 882

computed tomography reveals atypical localization of benign mediastinal tumors, Ikezoe J; Sone S; Morimoto S; et al, Acta Radiol 1989; **30:** 175

CT and MRI in benign mediastinal haemangioma, Schurawitzki H; Stiglbauer R; Klepetko W; et al, Clin Radiol 1991; **43:** 91

CT and MR imaging of mediastinal hemangiomas, Seline TH; Gross BH; Francis IR, JCAT 1990; **14:** 766

CT of posterior mediastinal masses, Kawashima A; Fishman EK; Kuhlman JE; Nixon MS, Radiographics 1991; **11:** 1045

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

high-attenuation mediastinal masses on unenhanced CT, Glazer HS; Molina PL; Siegel MJ; et al, AJR 1991; **156:** 45

hilar and mediastinal adenopathy in sarcoidosis as detected by computed tomography, Sider L; Horton ES Jr, J Thorac Imag 1990; **5-2:** 77

indeterminate mediastinal invasion in bronchogenic carcinoma: CT evaluation, Glazer HS; Kaiser LR; Anderson DJ; Molina PL; Emami B; Roper CL; Sagel SS, Radiology 1989; **173:** 37

left paratracheal reflection, Proto AV; Corcoran HL; Ball JB Jr, Radiology 1989; **171:** 625

low-attenuation mediastinal masses on CT, Glazer HS; Siegel MJ; Sagel SS, AJR 1989; **152:** 1173

low-dose CT of the lungs: preliminary observations, Naidich DP; Marshall CH; Gribbin C; Arams RS; McCauley DI, Radiology 1990; **175:** 729

malignant primary germ cell tumors of the mediastinum: CT features, Lee KS; Im J-G; Han CH; et al, AJR 1989; **153:** 947

mediastinal Castleman's disease: demonstration with computed tomography and angiography, Samuels TH; Hamilton PA; Ngan B, J Canad Assoc Radiol 1990; **41:** 380

mediastinal histoplasmosis granuloma: evaluation with CT, Landay MJ; Rollins NK, Radiology 1989; **172:** 657

mediastinal hydatid disease: report of three cases, von Sinner WN; Linjawi T; Al Watban J, J Canad Assoc Radiol 1990; **41:** 79

mediastinal tumors: sensitivity of detection with sonography compared with CT and radiography, Wernecke K; Vassallo P; Pötter R; Lückener H-G; Peters PE, Radiology 1990; **175:** 137

noninfiltrating angiolipoma of the mediastinum, Kline ME; Patel BU; Agosti SJ, Radiology 1990; **175:** 737

primary mediastinal endodermal sinus tumors: CT evaluation, Sham JST; Chan FL; Lau WH; et al, Clin Imag 1989; **13:** 299

residual masses on follow-up computed tomography in patients with mediastinal non-Hodgkin's lymphoma, Uematsu M; Kondo M; Tsutsui T; et al, Clin Radiol 1989; **40:** 244

thymic involvement in Hodgkin disease: CT and sonographic findings, Wernecke K; Vassallo P; Rutsch F; Peters PE; Potter R, Radiology 1991; **181:** 375

tumor invasion of the chest wall and mediastinum in lung cancer: evaluation with pneumothorax CT, Yokoi K; Mori K; Miyazawa N; Saito Y; Okuyama A; Sasagawa M, Radiology 1991; **181:** 147

value of CT in determining the need for angiography when findings of mediastinal hemorrhage on chest radiographs are equivocal, Richardson P; Mirvis SE; Scorpio R; et al, AJR 1991; **156:** 273

Mediastinum, cysts

air-filled, multilocular, bronchopulmonary foregut duplication cyst of the mediastinum: unusual computed tomography appearance, Woodring JH; Mac Vandiviere H; Dillon ML, Clin Imag 1989; **13:** 44

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

benign mediastinal cysts: pointed appearance on CT, Demos TC; Budorick NE; Posniak HV, JCAT 1989; **13:** 132

CT of posterior mediastinal masses, Kawashima A; Fishman EK; Kuhlman JE; Nixon MS, Radiographics 1991; **11:** 1045

fat-fluid level in pleural effusion as a complication of a mediastinal dermoid: CT characteristics, Yeoman LJ; Dalton HR; Adam EJ, JCAT 1990; **14:** 307

foregut cyst of the mediastinum: fluid re-accumulation after transbronchial needle aspiration, van Beers BE; Trigaux J-PP; Weynants P; et al, Br J Radiol 1989; **62:** 558

mediastinal bronchogenic cyst: prenatal sonographic diagnosis, Young G; L'Heureux PR; Krueckeberg ST; et al, AJR 1989; **152:** 125

neck and thorax venous aneurysm: association with cystic hygroma, Joseph AE; Donaldson JS; Reynolds M, Radiology 1989; **170:** 109

primary cysts and tumors of the mediastinum, (ab), Cohen AJ; Thompson L; Edwards FH; et al, Radiology 1991; **181:** 909

value of transoesophageal ultrasonography in the management of a mediastinal foregut cyst, Page JE; Wilson AG; de Belder MA, Br J Radiol 1989; **62:** 986

Mediastinum, fibrosis

dysphagia due to mediastinal fibrosis in advanced pulmonary tuberculosis, Ramakantan R; Shah P, AJR 1990; **154:** 61

imaging of pediatric mediastinal histoplasmosis, Kirchner SG; Hernanz-Schulman M; Stein SM; Wright PF; Heller RM, Radiographics 1991; **11:** 365

mediastinal fibrosis complicating histoplasmosis, (ab), Loyd JE; Tillman BF; Atkinson JB; et al, Radiology 1989; **171:** 587

mediastinal histoplasmosis granuloma: evaluation with CT, Landay MJ; Rollins NK, Radiology 1989; **172:** 657

Mediastinum, fluid

mediastinal seroma after esophagogastrectomy, Kronthal AJ; Heitmiller RF; Fishman EK; et al, AJR 1991; **156:** 715

Mediastinum, hemorrhage

computed tomography of mediastinal hematoma secondary to unusual esophageal laceration: a Boerhaave variant, Pezzulli FA; Aronson D; Goldberg N, JCAT 1989; **13:** 129

value of CT in determining the need for angiography when findings of mediastinal hemorrhage on chest radiographs are equivocal, Richardson P; Mirvis SE; Scorpio R; et al, AJR 1991; **156:** 273

Mediastinum, inflammation

See Mediastinitis

Mediastinum, injuries

chest injury in children with blunt abdominal trauma: evaluation with CT, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **171:** 815

Mediastinum, MR

CT and MRI in benign mediastinal haemangioma, Schurawitzki H; Stiglbauer R; Klepetko W; et al, Clin Radiol 1991; **43:** 91

CT and MR imaging of mediastinal hemangiomas, Seline TH; Gross BH; Francis IR, JCAT 1990; **14:** 766

esophageal squamous cell carcinoma: MRI evaluation of mediastinum, Petrillo R; Balzarini L; Bidoli P; et al, Gastrointest Radiol 1990; **15:** 275

high signal intensity lesions of the chest in MR imaging, Barakos JA; Brown JJ; Brescia RJ; et al, JCAT 1989; **13:** 797

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Ranade SS; Trivedi PN; Bamane VS, Radiology 1990; **174:** 284

mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging: reply, Glazer GM; Orringer MB; Chenevert TL, Radiology 1990; **174:** 285

MR imaging of treated mediastinal Hodgkin disease, Webb WR, Radiology 1989; **170:** 315

MRI of mediastinal cavernous hemangioma, Ishii K; Maeda K; Hashihira M; et al, Pediatr Radiol 1990; **20:** 556

primary mediastinal tuberculous abscess: demonstration with MR, Gupta RK; Sharma BK; Jena A; et al, Pediatr Radiol 1989; **19:** 330

residual mediastinal masses in Hodgkin disease: prediction of size with MR imaging, Nyman RS; Rehn SM; Glimelius BLG; Hagberg HE; Hemmingsson AL; Sundström CJ, Radiology 1989; **170:** 435

tracheal compression and the innominate artery: MR evaluation in infants, Fletcher BD; Cohn RC, Radiology 1989; **170:** 103

Mediastinum, neoplasms

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

bilateral granular cell tumors of the posterior mediastinum, (ab), Aisner SC; Chakravarthy AK; Joslyn JN; et al, Radiology 1989; **172:** 586

case report: chondrosarcoma presenting as an anterior mediastinal mass, Phillips GWL; Choong M, Clin Radiol 1991; **43:** 63

case report: mediastinal lipoblastoma of infancy, Whyte AM; Powell N, Clin Radiol 1990; **42:** 205

computed tomographic staging of anterior mediastinal neoplasms, (ab), Rendina EA; Venuta F; Ceroni L; et al, Radiology 1989; **171:** 882

computed tomography reveals atypical localization of benign mediastinal tumors, Ikezoe J; Sone S; Morimoto S; et al, Acta Radiol 1989; **30:** 175

CT of bronchogenic carcinoma: indeterminate mediastinal invasion, McLoud TC, Radiology 1989; **173:** 15

CT of posterior mediastinal masses, Kawashima A; Fishman EK; Kuhlman JE; Nixon MS, Radiographics 1991; **11:** 1045

cystic teratoma of the mediastinum: demonstration of fat/fluid level, Fulcher AS; Proto AV; Jolles H, AJR 1990; **154:** 259

diagnostic imaging and surgical treatment of dumbbell tumors of the mediastinum, (ab), Ricci C; Rendina EA; Venuta F; et al, Radiology 1991; **179:** 589

digital storage phosphor imaging versus conventional film radiography in CT-documented chest disease, Schaefer CM; Greene RE; Oestmann JW; Hall DA; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1990; **174:** 207

high-attenuation mediastinal masses on unenhanced CT, Glazer HS; Molina PL; Siegel MJ; et al, AJR 1991; **156:** 45

indeterminate mediastinal invasion in bronchogenic carcinoma: CT evaluation, Glazer HS; Kaiser LR; Anderson DJ; Molina PL; Emami B; Roper CL; Sagel SS, Radiology 1989; **173:** 37

low-attenuation mediastinal masses on CT, Glazer HS; Siegel MJ; Sagel SS, AJR 1989; **152:** 1173

lymphangiohaemangioma of the mediastinum, Toye R; Armstrong P; Dacie JE, Br J Radiol 1991; **64:** 62

lymphomas: MR imaging contrast characteristics with clinical-pathologic correlations, Negendank WG; Al-Katib AM; Karanes C; Smith MR, Radiology 1990; **177:** 209

malignant primary germ cell tumors of the mediastinum: CT features, Lee KS; Im J-G; Han CH; et al, AJR 1989; **153:** 947

massive lymphoma of the mediastinum, chest wall, and axilla, Stewart CA; Glaser AM; Terasaki K, Clin Nucl Med 1989; **14:** 210

mediastinal Castleman's disease: demonstration with computed tomography and angiography, Samuels TH; Hamilton PA; Ngan B, J Canad Assoc Radiol 1990; **41:** 380

mediastinal lymph node metastases from nonsmall cell bronchogenic carcinoma: reevaluation with CT, Ikezoe J; Kadowaki K; Morimoto S; et al, JCAT 1990; **14:** 340

mediastinal spread of metastatic lymph nodes in bronchogenic carcinoma: mediastinal nodal metastases, (ab), Watanabe Y; Shimizu J; Tsubota M; et al, Radiology 1990; **177:** 596

mediastinal T-cell lymphoma mimicking pericardial effusion, Sung RYT; So LY; Ho JKS; et al, JCU 1991; **19:** 377

mediastinal thymolipoma, Chew FS; Weissleder R, AJR 1991; **157:** 468

mediastinal tumors: biopsy under US guidance, Wernecke K; Vassallo P; Peters PE; von Bassewitz D-B, Radiology 1989; **172:** 473

mediastinal tumors: sensitivity of detection with sonography compared with CT and radiography, Wernecke K; Vassallo P; Pötter R; Lückener H-G; Peters PE, Radiology 1990; **175:** 137

MR imaging of treated mediastinal Hodgkin disease, Webb WR, Radiology 1989; **170:** 315

noninfiltrating angiolipoma of the mediastinum, Kline ME; Patel BU; Agosti SJ, Radiology 1990; **175:** 737

nonseminomatous germ cell tumors: enlarging masses despite chemotherapy, Panicek DM; Toner GC; Heelan RT; Bosl GJ, Radiology 1990; **175:** 499

posterior mediastinal cystic teratoma surrounded by fat in a 13 month old boy: value of magnetic resonance imaging, Ruzal-Shapiro C; Abramson SJ; Berdon WE, Pediatr Radiol 1989; **20:** 107

posterior mediastinal teratoma involving the esophagus, Vade A; Nolan J, Gastrointest Radiol 1989; **14:** 106

primary cysts and tumors of the mediastinum, (ab), Cohen AJ; Thompson L; Edwards FH; et al, Radiology 1991; **181:** 909
primary intrathoracic extraosseous osteogenic sarcoma: report of three cases, Stark P; Smith DC; Watkins GE; Chun KE, Radiology 1990; **174:** 725
primary malignant mediastinal germ cell tumors: a study of eleven cases and a review of the literature, Kiffer JD; Sandeman TF, Int J Radiat Oncol Biol Phys 1989; **17:** 835
primary mediastinal endodermal sinus tumors: CT evaluation, Sham JST; Chan FL; Lau WH; et al, Clin Imag 1989; **13:** 299
primary mediastinal germ cell tumors: histologic patterns of treatment failures at autopsy, (ab), Aliotta PJ; Castillo J; Englander LS; et al, Radiology 1989; **171:** 291
residual masses on follow-up computed tomography in patients with mediastinal non-Hodgkin's lymphoma, Uematsu M; Kondo M; Tsutsui T; et al, Clin Radiol 1989; **40:** 244
residual mediastinal masses in Hodgkin disease: prediction of size with MR imaging, Nyman RS; Rehn SM; Glimelius BLG; Hagberg HE; Hemmingsson AL; Sundström CJ, Radiology 1989; **170:** 435
retrotracheal triangle, Raider L; Landry BA; Brogdon BG, Radiographics 1990; **10:** 1055
thymic involvement in Hodgkin disease: CT and sonographic findings, Wernecke K; Vassallo P; Rutsch F; Peters PE; Potter R, Radiology 1991; **181:** 375
value of sonography in monitoring the therapeutic response of mediastinal lymphoma: comparison with chest radiography and CT, Wernecke K; Vassallo P; Hoffmann G; et al, AJR 1991; **156:** 265
vena caval and central venous stenoses: management with Palmaz balloon-expandable intraluminal stents, Elson JD; Becker GJ; Wholey MH; Ehrman KO, JVIR 1991; **2:** 215

Mediastinum, radiography
comparison of scanning equalization and conventional chest radiography, Wandtke JC; Plewes DB, Radiology 1989; **172:** 641
mediastinal abnormalities: detection with storage phosphor digital radiography, Schaefer CM; Greene RE; Hall DA; Lindemann SR; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1991; **178:** 169
scatter fractions in AMBER imaging, Chotas HG; Floyd CE Jr; Dobbins JT III; Lo JY; Ravin CE, Radiology 1990; **177:** 879
small object contrast in AMBER and conventional chest radiography, Chotas HG; Van Metter RL; Johnson GA; Ravin CE, Radiology 1991; **180:** 853
variable compensation technique for digital radiography of the chest, Dobbins JT III; Powell AO, Radiology 1989; **173:** 451

Mediastinum, radionuclide studies
detection of mediastinitis after heart transplantation by gallium-67 scintigraphy, Quirce R; Serano J; Arnal C; et al, J Nucl Med 1991; **32:** 860
uptake of gallium in the mediastinum, Chandramouly BS; Scagnelli T; Burgess CK, Semin Nucl Med 1989; **19:** 247

Mediastinum, US
current status of mediastinal sonography in the posttreatment evaluation of patients with lymphoma, Marglin SI; Laing FC; Castellino RA, AJR 1991; **157:** 469
mediastinal tumors: biopsy under US guidance, Wernecke K; Vassallo P; Peters PE; von Bassewitz D-B, Radiology 1989; **172:** 473
mediastinal tumors: sensitivity of detection with sonography compared with CT and radiography, Wernecke K; Vassallo P; Pötter R; Lückener H-G; Peters PE, Radiology 1990; **175:** 137
thymic involvement in Hodgkin disease: CT and sonographic findings, Wernecke K; Vassallo P; Rutsch F; Peters PE; Potter R, Radiology 1991; **181:** 375
value of sonography in monitoring the therapeutic response of mediastinal lymphoma: comparison with chest radiography and CT, Wernecke K; Vassallo P; Hoffmann G; et al, AJR 1991; **156:** 265

Medico-legal problems
academic radiology, turf conflict and antitrust laws, James AE Jr; Curran WJ; Pendergrass HP; et al, Invest Radiol 1990; **25:** 200
acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Brenner RJ; Sickles EA, Radiology 1989; **171:** 645
acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Jackson FI, Radiology 1989; **173:** 580
antitrust principles for radiologists, Reuter SR, AJR 1990; **155:** 1331
follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Hall FM, Radiology 1989; **173:** 284
Knox lecture: radiology and the law, Craig JOMC, Clin Radiol 1989; **40:** 343
legal aspects of obstetric sonography, Macones AJ; Lev-Toaff AS; Macones GA; et al, AJR 1989; **153:** 1251
medical malpractice claims in diagnostic radiology: update, Dahlen RT; Foley HT, Radiology 1989; **170:** 277
medicolegal aspects of breast imaging: variable standards of care relating to different types of practice, Brenner RJ, AJR 1991; **156:** 719
medicolegal aspects of medical radiation exposure, Ross WM, Br J Radiol 1990; **63:** 313
medicolegal aspects of screening mammography, Brenner RJ, AJR 1989; **153:** 53
medicolegal encounters in Canadian radiology, Morrish HF; Messenger OJ, J Canad Assoc Radiol 1990; **41:** 259
monitoring and evaluating the quality and appropriateness of angiographic/interventional radiologic procedures, Cascade PN; Kastan DJ, Radiology 1990; **174:** 926
outpatient brachiocephalic angiography, Huckman MS, Radiology 1989; **170:** 317
patient confidentiality in radiology, Brown DL, Radiology 1990; **177:** 587
professional liability in radiotherapy: experience of the Fletcher Society, Sherman NE; Rich TA; Peters LJ, Int J Radiat Oncol Biol Phys 1991; **20:** 563
responsibilities associated with obstetric sonography, Leopold GR, AJR 1989; **153:** 1255
restrictive covenants in professional employment contracts, Roper RR, AJR 1989; **153:** 1089
some legal considerations regarding issues of turf, James AE Jr; Mazer M; Linton O; et al, Comput Med Imag Graph 1989; **13:** 429
when is it malpractice to miss breast cancer on mammograms?, Hall FM, Radiology 1990; **176:** 876
when is it malpractice to miss lung cancer on chest radiographs?, Potchen EJ; Bisesi MA, Radiology 1990; **175:** 29
wrongful life and wrongful birth: implications for diagnostic sonography, J Ultrasound Med J Ultrasound Med 1989; **8:** 597

Medulla oblongata
See Brain stem

Medulloblastoma
adult onset medulloblastoma cerebelli with leptomeningeal dissemination and coincidental primary hyperparathyroidism, Hankey GJ; Khangure MS; Spagnolo D; et al, Australas Radiol 1989; **33:** 111
aneurysm, arachnoiditis and intrathecal Au (gold), Pence DM; Kim TH; Levitt SH, Int J Radiat Oncol Biol Phys 1990; **18:** 1001
cystic medulloblastoma, Mahapatra AK; Paul HK; Sarkar C, Neuroradiol 1989; **31:** 369
low-dose craniospinal radiation therapy for medulloblastoma, Halberg FE; Wara WM; Fippin LF; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 651
medulloblastoma in adults: a review of 47 patients treated between 1952 and 1981, Bloom HJG; Bessell EM, Int J Radiat Oncol Biol Phys 1990; **18:** 763
medulloblastoma: long-term follow-up of patients treated with electron irradiation of the spinal field, Gaspar LE; Dawson DJ; Tilley-Gulliford SA; Banerjee P, Radiology 1991; **180:** 867
metastases to bone in medulloblastoma: a report of five cases, Vieco PT; Azouz EM; Hoeffel J-C, Skeletal Radiol 1989; **18:** 445
MR imaging of a hemorrhagic medulloblastoma, Uchino A; Egami H, Neuroradiol 1989; **31:** 371
MRI of subarachnoid dissemination of medulloblastoma, Kochi M; Mihara Y; Takada A; et al, Neuroradiol 1991; **33:** 264
paediatric medulloblastoma: atypical CT features at presentation in the SIOP II trial, Nelson M; Diebler C; Forbes WSC, Neuroradiol 1991; **33:** 140
posterior fossa medulloblastoma in childhood: treatment results and a proposal for a new staging system, Jenkin D; Goddard K; Armstrong D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 265
recurrent medulloblastoma: frequency of tumor enhancement on Gd-DTPA MR imaging, Rollins N; Mendelsohn D; Mulne A; et al, AJNR 1990; **11:** 583
recurrent medulloblastoma: frequency of tumor enhancement on Gd-DTPA MR imaging, Rollins N; Mendelsohn D; Mulne A; et al, AJR 1990; **155:** 153
results of postoperative irradiation of medulloblastoma in adults, Skołyszewski J; Gliński B, Int J Radiat Oncol Biol Phys 1989; **16:** 479

Megacolon
See Colon, enlarged

Melanoma
acute gangrenous cholecystitis due to metastatic melanoma detected by cholescintigraphy, Velchik MG, Clin Nucl Med 1989; **14:** 327
apparently primary malignant melanoma of the cerebellopontine angle: one case, Vasdev A; David P; Villemot D; et al, J Neuroradiol 1990; **17:** 152
changes in MR of malignant melanomas induced by glucose and fructose: a clinical and experimental investigation, Naeser P; Thuomas KA; Roberto A; et al, Acta Radiol 1991; **32:** 206
ciliary body melanoma treated with helium particle irradiation, Decker M; Castro JR; Linstadt DE; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 243
computed tomography of cranial metastatic malignant melanoma: features, early detection and unusual cases, McGann GM; Platts A, Br J Radiol 1991; **64:** 310
conservative treatment of uveal melanoma: local recurrence after proton beam therapy, Munzenrider JE; Verhey LJ; Gragoudas ES; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 493
contrast-enhanced MR imaging of neurocutaneous melanosis, Rhodes RE; Friedman HS; Hatten HP Jr; et al, AJNR 1991; **12:** 380
CT of malignant melanoma in the chest, abdomen, and musculoskeletal system, Fishman EK; Kuhlman JE; Schuchter LM; Miller JA III; Magid D, Radiographics 1990; **10:** 603
CT of malignant melanoma: patterns of small bowel and mesenteric involvement, Kawashima A; Fishman EK; Kuhlman JE; et al, JCAT 1991; **15:** 570
echographic differentiation of histological types of intraocular melanoma, Thijssen JM; Verbeek AM; Romijn RL; et al, Ultrasound Med Biol 1991; **17:** 127
fraction size in external beam radiation therapy in the treatment of melanoma, Sause WT; Cooper JS; Rush S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 429
Ga-67 imaging of bronchial metastatic melanoma, Solfanelli S; Fazzi P; Frediani M; et al, Clin Nucl Med 1991; **16:** 197
human malignant melanomas with varying degrees of melanin content in nude mice: MR imaging, histopathology, and electron paramagnetic resonance, Atlas SW; Braffman BH; LoBrutto R; et al, JCAT 1990; **14:** 547
hypoxia and reoxygenation in human melanoma xenografts, Rofstad EK, Int J Radiat Oncol Biol Phys 1989; **17:** 81
In-111 labeled leukocyte uptake in metastatic melanoma, Staudinger KM; Oates E; Naber SP, Clin Nucl Med 1989; **14:** 626
increased iofetamine I 123 brain uptake in metastatic melanoma, (ab), Nagel JS; Ichise M; Mueller SP; et al, Radiology 1989; **171:** 887

magnetic resonance imaging of implanted melanomas before and after chemotherapy: relation to ^{31}P magnetic resonance spectroscopy and tumor histology, Iyer SB; Goldberg HI; Benz CC, Invest Radiol 1990; **25:** 1076

malignant melanoma in Denmark: occurrence and risk factors, Østerlind A, Acta Oncol 1990; **29:** 833

melanoma targeting with a cocktail of monoclonal antibodies to distinct determinants of the human HMW-MAA, Matzku S; Kirchgessner H; Schmid U; et al, J Nucl Med 1989; **30:** 390

metastases from malignant melanoma to the axial skeleton: a CT study of frequency and appearance, Patten RM; Shuman WP; Teefey S, AJR 1990; **155:** 109

nasopharyngeal melanotic melanoma: MR characteristics, Ramos R; Som PM; Solodnik P, JCAT 1990; **14:** 997

ocular melanoma: detection using iodine-123-iodoamphetamine and SPECT imaging, Dewey SH; Leonard JC, J Nucl Med 1990; **31:** 375

ocular melanoma: total dose and dose rate effects with Co-60 plaque therapy, Beitler JJ; McCormick B; Ellsworth RM; Abramson DH; Anderson LL; Loffredo C, Radiology 1990; **176:** 275

polyamine biosynthesis inhibitors combined with systemic hyperthermia in cancer therapy, Harari PM; Fuller DJM; Carper SW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 89

possible relationship between chromosome alterations and *in vitro* cellular radiosensitivity of human malignant melanoma, McBride H; Stea B; Hill A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 349

primary esophageal melanoma, Brown JH; Chew FS, AJR 1991; **157:** 318

primary malignant melanoma of the vagina, Constant O; Blake P, Br J Radiol 1989; **62:** 623

primary meningeal melanoma, Helseth A; Helseth E; Unsgaard G, Acta Oncol 1989; **28:** 103

radiolabeled monoclonal antibodies in the diagnosis and treatment of malignant melanoma, Divgi CR; Larson SM, Semin Nucl Med 1989; **19:** 252

radiosensitivity of human melanoma spheroids influenced by growth rate, Schwachöfer JHM; Crooijmans RPMA; Hoogenhout J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1191

relationship between changes in tumour volume, tumour cell density and parenchymal cord radius in a human melanoma xenograft exposed to single dose irradiation, Falkvoll KH, Acta Oncol 1990; **29:** 935

resection of pulmonary metastases from malignant melanoma: results of a 16-year experience, (ab), Pogrebniak HW; Stovroff M; Roth JA; et al, Radiology 1989; **170:** 583

selective 2-[^{18}F]fluorodopa uptake for melanogenesis in murine metastatic melanomas, Ishiwata K; Kubota K; Kubota R; et al, J Nucl Med 1991; **32:** 95

sequential use of indium-111 labeled monoclonal antibodies 96.5 and ZME-018 does not increase detection sensitivity for metastatic melanoma, Frontiera M; Murray JL; Lamki L; et al, Clin Nucl Med 1989; **14:** 357

single cell DNA cytophotometry in clinical stage I malignant melanoma: relationship to prognosis, Lindholm C; Hofer P-A; Jonsson H, Acta Oncol 1990; **29:** 147

sonographic detection and fine-needle aspiration biopsy of nonpalpable recurrent or metastatic melanoma in subcutaneous tissues, Fornage BD; Lorigan JG, J Ultrasound Med 1989; **8:** 421

sources of the increased longitudinal relaxation rates observed in melanotic melanoma: an in vitro study in synthetic melanins, Enochs WS; Hyslop WB; Bennett HF; et al, Invest Radiol 1989; **24:** 794

spontaneous regression of multiple bone metastases in malignant melanoma, O'Connell MEA; Powell BWEM; O'Connell JM; et al, Br J Radiol 1989; **62:** 1095

subcutaneous metastases from malignant melanoma: prevalence and findings on CT, Patten RM; Shuman WP; Teefey S, AJR 1989; **152:** 1009

successful imaging of malignant melanoma with technetium-99m-labeled monoclonal antibodies, Eary JF; Schroff RW; Abrams PG; et al, J Nucl Med 1989; **30:** 25

synthesis and evaluation of new iodine-125 radiopharmaceuticals as potential tracers for malignant melanoma, Michelot JM; Moreau M-FC; Labarre PG; et al, J Nucl Med 1991; **32:** 1573

technetium-99m labeled monoclonal antibodies in the detection of metastatic melanoma, Serafini AN; Kotler J; Feun L; et al, Clin Nucl Med 1989; **14:** 580

therapeutic effects of S-35-thiouracil in BALB/c mice carrying Harding-Passey melanoma, Fairchild RG; Coderre JA; Packer S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 337

treatment of choroidal melanoma: MR imaging in the assessment of radioactive plaque position, Hanna SL; Lemmi MA; Langston JW; Fontanesi J; Brooks HL Jr; Gronemeyer SA, Radiology 1990; **176:** 851

ultrasonographic diagnosis of melanoma metastases in liver, gallbladder, and spleen, Stutte H; Müller PH; d'Hoedt B; et al, J Ultrasound Med 1989; **8:** 541

uveal melanoma: development of metastases after helium ion irradiation, Nowakowski VA; Ivery G; Castro JR; Char DH; Linstadt DE; Ahn D; Phillips TL; Quivey JM; Decker M; Petti PL; Collier JM, Radiology 1991; **178:** 277

variations in gastrointestinal melanoma metastases, Plavsic B; Robinson AE, Acta Radiol 1990; **31:** 493

Memory

amnesia due to bilateral hippocampal glioblastoma: MRI finding, Shimauchi M; Wakisaka S; Kinoshita K, Neuroradiol 1989; **31:** 430

MR signal abnormalities in memory disorder and dementia, Bowen BC; Barker WW; Loewenstein DA; et al, AJNR 1990; **11:** 283

MR signal abnormalities in memory disorder and dementia, Bowen BC; Barker WW; Loewenstein DA; et al, AJR 1990; **154:** 1285

Meninges

See also Arachnoid

effect of repeated injections of chymopapain in the epidural space, Nguyen CM; Haughton VM; Ho K-C, Radiology 1990; **174:** 417

perispinal spaces: constitution, organization and relations with the cerebrospinal fluid (CSF), Maillot C, J Neuroradiol 1991; **18:** 18

synergy of chymopapain and diatrizoate studied in an experimental model, Haughton VM; Ho K-C; Nguyen CM, Radiology 1989; **171:** 469

Meninges, CT

computed tomography and angiography do not reliably discriminate malignant meningiomas from benign ones, Servo A; Porras M; Jääskeläinen J; et al, Neuroradiol 1990; **32:** 94

CT and MR of meningeal melanocytoma, Naul LG; Hise JH; Bauserman SC; et al, AJNR 1991; **12:** 315

CT scanning in meningitis, Wardle S; Carty H, Eur J Radiol 1991; **12:** 113

differentiation between meningeal fibrosis and chronic subdural hematoma after ventricular shunting: value of enhanced CT and MR scans, Destian S; Heier LA; Zimmerman RD; et al, AJNR 1989; **10:** 1021

from the archives of the AFIP: typical, atypical, and misleading features in meningioma, Buetow MP; Buetow PC; Smirniotopoulos JG, Radiographics 1991; **11:** 1087

loculated intracranial leptomeningeal metastases: CT and MR characteristics, Lee Y-Y; Tien RD; Bruner JM; et al, AJNR 1989; **10:** 1171

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; **179:** 819

Meninges, hemorrhage

blood as tracer for CSF circulation after subarachnoidal hemorrhage, Jedrzejczak T; Ericson K; Bergstrand G; et al, Acta Radiol 1990; **31:** 545

differentiation between meningeal fibrosis and chronic subdural hematoma after ventricular shunting: value of enhanced CT and MR scans, Destian S; Heier LA; Zimmerman RD; et al, AJNR 1989; **10:** 1021

nonacute subdural hematoma: fundamental interpretation of MR images based on biochemical and in vitro MR analysis, Ebisu T; Naruse S; Horikawa Y; Tanaka C; Higuchi T, Radiology 1989; **171:** 449

sanguinary efforts, Grossman RI, Radiology 1989; **172:** 13

scintigraphic demonstration of intracranial communication between arachnoid cyst and associated subdural hematoma, Yokoyama K; Tonami N; Kimura M; et al, Clin Nucl Med 1989; **14:** 350

unusual hemorrhage with use of synthetic dural substitute: MR findings, Awwad EE; Smith KR Jr; Martin DS; et al, JCAT 1991; **15:** 618

Meninges, inflammation

See Meningitis

Meninges, injuries

acute traumatic midbrain hemorrhage: experimental and clinical observations with CT, Meyer CA; Mirvis SE; Wolf AL; Thompson RK; Gutierrez MA, Radiology 1991; **179:** 813

nerve root avulsion of birth palsy: comparison of myelography with CT myelography and somatosensory evoked potential, Hashimoto T; Mitomo M; Hirabuki N; Miura T; Kawai R; Nakamura H; Kawai H; Ono K; Kozuka T, Radiology 1991; **178:** 841

traumatic brain stem injury: MR imaging, Gentry LR; Godersky JC; Thompson BH, Radiology 1989; **171:** 177

Meninges, MR

cranial postoperative site: assessment with contrast-enhanced MR imaging, Elster AD; DiPersio DA, Radiology 1990; **174:** 93

CT and MR of meningeal melanocytoma, Naul LG; Hise JH; Bauserman SC; et al, AJNR 1991; **12:** 315

differentiation between meningeal fibrosis and chronic subdural hematoma after ventricular shunting: value of enhanced CT and MR scans, Destian S; Heier LA; Zimmerman RD; et al, AJNR 1989; **10:** 1021

dural "tail" associated with meningiomas on Gd-DTPA–enhanced MR images: characteristics, differential diagnostic value, and possible implications for treatment, Goldsher D; Litt AW; Pinto RS; Bannon KR; Kricheff II, Radiology 1990; **176:** 447

from the archives of the AFIP: typical, atypical, and misleading features in meningioma, Buetow MP; Buetow PC; Smirniotopoulos JG, Radiographics 1991; **11:** 1087

Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, Chang KH; Han MH; Roh JK; et al, AJR 1990; **154:** 809

Gd-DTPA enhancement in CNS extramedullary hematopoiesis, Buetow PC; Perry JJ; Geyer CA, AJNR 1990; **11:** 411

loculated intracranial leptomeningeal metastases: CT and MR characteristics, Lee Y-Y; Tien RD; Bruner JM; et al, AJNR 1989; **10:** 1171

magnetic resonance imaging of a cystic meningioma, Namba H; Sueyoshi K, Neuroradiol 1990; **32:** 536

meningeal Gd-DTPA enhancement in patients with malignancies, Paakko E; Patronas NJ; Schellinger D, JCAT 1990; **14:** 542

"meningeal sign": a characteristic finding of meningiomas on contrast-enhanced MR images, Schörner W; Schubeus P; Henkes H; et al, Neuroradiol 1990; **32:** 90

meninges: benign postoperative enhancement on MR images, Burke JW; Podrasky AE; Bradley WG Jr, Radiology 1990; **174:** 99

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; **179:** 819

meningiomas: MR and histopathologic features, Elster AD; Challa VR; Gilbert TH; Richardson DN; Contento JC, Radiology 1989; **170:** 857

meningioma subtypes: MR and PET features, Di Chiro G, Radiology 1989; **172:** 578

meningioma subtypes: MR and PET features: reply, Elster AD, Radiology 1989; **172:** 578

MR imaging of the cranial meninges with emphasis on contrast enhancement and meningeal carcinomatosis, Sze G; Soletsky S; Bronen R; et al, AJNR 1989; **10:** 965

MR imaging of the cranial meninges with emphasis on contrast enhancement and meningeal carcinomatosis, Sze G; Soletsky S; Bronen R; et al, AJR 1989; **153:** 1039

neoplastic vs inflammatory meningeal enhancement with Gd-DTPA, Phillips ME; Ryals TJ; Kambhu SA; et al, JCAT 1990; **14:** 536

prominent meningeal enhancement adjacent to meningioma on Gd-DTPA–enhanced MR images: histopathologic correlation, Tokumaru A; O'uchi T; Eguchi T; Kawamoto S; Kokubo T; Suzuki M; Kameda T, Radiology 1990; **175:** 431

thickening of dura surrounding meningiomas: MR features, Wilms G; Lammens M; Marchal G; et al, JCAT 1989; **13:** 763

unusual hemorrhage with use of synthetic dural substitute: MR findings, Awwad EE; Smith KR Jr; Martin DS; et al, JCAT 1991; **15:** 618

Meninges, neoplasms

case report 618, Resnik CS; Young JWR; Aisner SC; et al, Skeletal Radiol 1990; **19:** 371

case report 680, Van Tassel P; Lee Y-Y; Ayala A; et al, Skeletal Radiol 1991; **20:** 383

cerebral venography with MR, Mattle HP; Wentz KU; Edelman RR; Wallner B; Finn JP; Barnes P; Atkinson DJ; Kleefield J; Hoogewoud HM, Radiology 1991; **178:** 453

"chordoid" meningeal tumors in young individuals with peritumoral lymphoplasmacellular infiltrates causing systemic manifestations of the Castleman syndrome: a report of seven cases, (ab), Kepes JJ; Chen WY-K; Connors MH; et al, Radiology 1989; **170:** 591

computed tomography and angiography do not reliably discriminate malignant meningiomas from benign ones, Servo A; Porras M; Jääskeläinen J; et al, Neuroradiol 1990; **32:** 94

contrast-enhanced MR images in patients with meningioma: importance of enhancement of the dura adjacent to the tumor, Aoki S; Sasaki Y; Machida T; et al, AJNR 1990; **11:** 935

CT and MR imaging of fourth ventricular meningiomas, Perry RD; Parker GD; Hallinan JM, JCAT 1990; **14:** 276

CT and MR of meningeal melanocytoma, Naul LG; Hise JH; Bauserman SC; et al, AJNR 1991; **12:** 315

cystic intraparenchymal meningioma in a child: case report, Mamourian AC; Lewandowski AE; Towfighi J, AJNR 1991; **12:** 366

dural "tail" associated with meningiomas on Gd-DTPA–enhanced MR images: characteristics, differential diagnostic value, and possible implications for treatment, Goldsher D; Litt AW; Pinto RS; Bannon KR; Kricheff II, Radiology 1990; **176:** 447

"dural tail sign": a specific MR sign of meningioma?, Tien RD; Yang PJ; Chu PK, JCAT 1991; **15:** 64

dynamic SPECT with technetium-99m HM-PAO in meningiomas—a comparison with iodine-123 IMP, Nakano S; Kinoshita K; Jinnouchi S; et al, J Nucl Med 1989; **30:** 1101

evolution of central necrosis in a meningioma: CT and MR features, Terasaki KK; Zee C-S, JCAT 1990; **14:** 464

from the archives of the AFIP: typical, atypical, and misleading features in meningioma, Buetow MP; Buetow PC; Smirniotopoulos JG, Radiographics 1991; **11:** 1087

gadolinium-DTPA MRI in the diagnosis of a patient with leptomeningeal metastasis produced by uvular carcinoma, Garcia C; Rubio G; Molina F; et al, Neuroradiol 1991; **33:** 282

intracranial meningiomas: comparison of plain and contrast-enhanced examinations in CT and MRI, Schörner W; Schubeus P; Henkes H; et al, Neuroradiol 1990; **32:** 12

intracranial meningiomas: correlation between MR imaging and histology in fifty patients, Demaerel P; Wilms G; Lammens M; et al, JCAT 1991; **15:** 45

intracranial meningiomas: how frequent are indicative findings in CT and MRI?, Schubeus P; Schörner W; Rottacker C; et al, Neuroradiol 1990; **32:** 467

intradiploic meningiomas: a radiological study of two cases confirmed histologically, Halpin SFS; Britton J; Wilkins P; et al, Neuroradiol 1991; **33:** 247

intrafrontal sinus primary meningioma, Som PM; Sachdev VP; Sacher MM; et al, Neuroradiol 1991; **33:** 251

loculated intracranial leptomeningeal metastases: CT and MR characteristics, Lee Y-Y; Tien RD; Bruner JM; et al, AJNR 1989; **10:** 1171

low-density meningioma on CT, Maehara T; Katsumata Y; Noda M; et al, AJNR 1990; **11:** 1265

Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN, Radiology 1991; **179:** 579

meningeal Gd-DTPA enhancement in patients with malignancies, Paakko E; Patronas NJ; Schellinger D, JCAT 1990; **14:** 542

meningeal metastasis of leiomyosarcoma mimicking meningioma: CT and MR findings, Buff BL Jr; Schick RM; Norregaard T, JCAT 1991; **15:** 166

"meningeal sign": a characteristic finding of meningiomas on contrast-enhanced MR images, Schörner W; Schubeus P; Henkes H; et al, Neuroradiol 1990; **32:** 90

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; **179:** 819

meningioma extending through the skull: a palpable lesion with a scintigraphic doughnut sign, Wegener WA; Williams HT, Clin Nucl Med 1990; **15:** 441

meningioma of the chiasm and optic nerves: CT and MR findings, Castillo M; Davis PC; Ross WK; et al, JCAT 1989; **13:** 679

meningiomas: MR and histopathologic features, Elster AD; Challa VR; Gilbert TH; Richardson DN; Contento JC, Radiology 1989; **170:** 857

meningioma subtypes: MR and PET features, Di Chiro G, Radiology 1989; **172:** 578

meningioma subtypes: MR and PET features: reply, Elster AD, Radiology 1989; **172:** 578

MR imaging of the cranial meninges with emphasis on contrast enhancement and meningeal carcinomatosis, Sze G; Soletsky S; Bronen R; et al, AJNR 1989; **10:** 965

MR imaging of the cranial meninges with emphasis on contrast enhancement and meningeal carcinomatosis, Sze G; Soletsky S; Bronen R; et al, AJR 1989; **153:** 1039

neoplastic vs inflammatory meningeal enhancement with Gd-DTPA, Phillips ME; Ryals TJ; Kambhu SA; et al, JCAT 1990; **14:** 536

neurofibromatosis types 1 and 2: cranial MR findings, Aoki S; Barkovich AJ; Nishimura K; Kjos BO; Machida T; Cogen P; Edwards M; Norman D, Radiology 1989; **172:** 527

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

P-31 MR spectroscopy of normal human brain and brain tumors, Hubesch B; Sappey-Marinier D; Roth K; Meyerhoff DJ; Matson GB; Weiner MW, Radiology 1990; **174:** 401

parapharyngeal meningioma extending from the intracranial space, Uchibori M; Odake G; Ueda S; et al, Neuroradiol 1990; **32:** 53

primary meningeal melanoma, Helseth A; Helseth E; Unsgaard G, Acta Oncol 1989; **28:** 103

primitive neuroectodermal tumor of the leptomeninges, Fujii M; Orita T; Nishizaki T; et al, Neuroradiol 1991; **33:** 260

prominent meningeal enhancement adjacent to meningioma on Gd-DTPA–enhanced MR images: histopathologic correlation, Tokumaru A; O'uchi T; Eguchi T; Kawamoto S; Kokubo T; Suzuki M; Kameda T, Radiology 1990; **175:** 431

radiologic history exhibit: past, present, and future of radiology of meningioma, Siegelman ES; Miahkin MM; Taveras JM, Radiographics 1991; **11:** 899

role of radiotherapy in the management of intracranial meningiomas: the Royal Marsden Hospital experience with 186 patients, Glaholm J; Bloom HJG; Crow JH, Int J Radiat Oncol Biol Phys 1990; **18:** 755

stereotactic single high dose radiation therapy of benign intracranial meningiomas, Engenhart R; Kimmig BN; Hover K-H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1021

T1 and T2 measurements of meningiomas and neuromas before and after Gd-DTPA, Watabe T; Azuma T, AJNR 1989; **10:** 463

thickening of dura surrounding meningiomas: MR features, Wilms G; Lammens M; Marchal G; et al, JCAT 1989; **13:** 763

venography and venous pressure monitoring in dural sinus meningiomas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 1209

Meningioangiomatosis

meningioangiomatosis, Partington CR; Graves VB; Hegstrand LR, AJNR 1991; **12:** 549

meningioangiomatosis: clinical, radiologic, and histopathologic correlation, Aizpuru RN; Quencer RM; Norenberg M; Altman N; Smirniotopoulos J, Radiology 1991; **179:** 819

Meningioma

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Meningitis

aseptic meningitis complicating iotrolan myelography, Nakakoshi T; Moriwaka F; Tashiro K; et al, AJNR 1991; **12:** 173

cranial lymphangiomatosis causing CSF otorrhea and recurrent meningitis: CT features, Nazarian GK; Gebarski SS; Niparko JK, JCAT 1990; **14:** 121

cranial postoperative site: assessment with contrast-enhanced MR imaging, Elster AD; DiPersio DA, Radiology 1990; **174:** 93

cryptococcal pulmonary infection in patients with AIDS: radiographic appearance, Miller WT Jr; Edelman JM; Miller WT, Radiology 1990; **175:** 725

CT scanning in meningitis, Wardle S; Carty H, Eur J Radiol 1991; **12:** 113

delayed cerebrospinal fluid sterilization and adverse outcome of bacterial meningitis in infants and children, (ab), Lebel MH; McCracken GH Jr, Radiology 1989; **173:** 296

diffuse pneumocephalus from *Clostridium perfringens* meningitis: CT findings, Klein MA; Kelly JK; Jacobs IG, AJNR 1989; **10:** 447

dilated Virchow-Robin spaces in cryptococcal meningitis associated with AIDS: CT and MR findings, Wehn SM; Heinz ER; Burger PC; et al, JCAT 1989; **13:** 756

Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, Chang KH; Han MH; Roh JK; et al, AJNR 1990; **11:** 69

Gd-DTPA-enhanced MR imaging of the brain in patients with meningitis: comparison with CT, Chang KH; Han MH; Roh JK; et al, AJR 1990; **154:** 809

hypertrophic cranial pachymeningitis: assessment with CT and MR imaging, Martin N; Masson C; Henin D; et al, AJNR 1989; **10:** 477

meninges: benign postoperative enhancement on MR images, Burke JW; Podrasky AE; Bradley WG Jr, Radiology 1990; **174:** 99

spontaneous pneumocephalus with meningitis: CT demonstration, Finelli PF; Bergen R, JCAT 1991; **15:** 525

Meningocele

See Spina bifida

Mercaptoacetyltriglycine

kidney: imaging with Tc-99m mercaptoacetyltriglycine, a technetium-labeled analog of iodohippurate, Russell CD; Thorstad BL; Stutzman ME; Yester MV; Fowler D; Dubovsky EV, Radiology 1989; **172:** 427

Mesentery, angiography
limitations of angiography for mesenteric ischemia caused by midgut carcinoid tumors, Rose SC; Meyers WC; Saeed M; et al, Cardiovasc Intervent Radiol 1989; **12:** 131
mesenteric ischemia: angiographic diagnosis and intervention, Morano JU; Harrison RB, Clin Imag 1991; **15:** 91
middle mesenteric artery: an unusual source for colonic hemorrhage, LeQuire MH; Sorge DG; Brantley SD, JVIR 1991; **2:** 141
Mesentery, CT
amyloidosis: diffuse involvement of the retroperitoneum, Glynn TP Jr; Kreipke DL; Irons JM, Radiology 1989; **170:** 726
bowel and mesenteric injury following blunt abdominal trauma: evaluation with CT, Rizzo MJ; Federle MP; Griffiths BG, Radiology 1989; **173:** 143
case report: the ultrasound and computed tomography appearance of mesenteric Castleman disease, Garber SJ; Shaw DG, Clin Radiol 1991; **43:** 429
CT of the small bowel and mesentery, Merine DS; Fishman EK; Jones B; et al, Radiol Clin North Am 1989; **27:** 707
mesenteric cyst with atypical computed tomography appearance, Stevens SK; Nino-Murcia M; Bloom R; et al, Clin Imag 1989; **13:** 119
Mesentery, cysts
mesenteric and omental cysts: an ultrasonographic and clinical study of 15 patients, Chou Y-H; Tiu C-M; Lui W-Y; et al, Gastrointest Radiol 1991; **16:** 311
mesenteric cyst with atypical computed tomography appearance, Stevens SK; Nino-Murcia M; Bloom R; et al, Clin Imag 1989; **13:** 119
Mesentery, ischemia
limitations of angiography for mesenteric ischemia caused by midgut carcinoid tumors, Rose SC; Meyers WC; Saeed M; et al, Cardiovasc Intervent Radiol 1989; **12:** 131
mesenteric ischemia: angiographic diagnosis and intervention, Morano JU; Harrison RB, Clin Imag 1991; **15:** 91
mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; **171:** 653
relief of mesenteric ischemia in type III aortic dissection with percutaneous fenestration of the aortic septum, Williams DM; Brothers TE; Messina LM, Radiology 1990; **174:** 450
Mesentery, MR
MR imaging in sclerosing mesenteritis, Kronthal AJ; Kang YS; Fishman EK; et al, AJR 1991; **156:** 517
Mesentery, neoplasms
CT of malignant melanoma: patterns of small bowel and mesenteric involvement, Kawashima A; Fishman EK; Kuhlman JE; et al, JCAT 1991; **15:** 570
CT of the small bowel and mesentery, Merine DS; Fishman EK; Jones B; et al, Radiol Clin North Am 1989; **27:** 707
cystic teratoma of the mesentery, Prieto ML; Casanova A; Delgado J; et al, Pediatr Radiol 1989; **19:** 439
imaging of intra- and extraabdominal desmoid tumors, Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G, Radiographics 1991; **11:** 959
malignant lymphoma of the gastrointestinal tract and mesentery: a clinico-pathologic study of the significance of histologic classification, (ab), van Krieken JHJM; Otter R; Hermans H; et al, Radiology 1990; **174:** 898
post-treatment calcification of mesenteric non-Hodgkin lymphoma: CT findings, Cheng J; Castellino RA, JCAT 1989; **13:** 64
residents' corner: answer to case of the month #5, Janzen DL, J Canad Assoc Radiol 1991; **42:** 64
Mesentery, US
case report: the ultrasound and computed tomography appearance of mesenteric Castleman disease, Garber SJ; Shaw DG, Clin Radiol 1991; **43:** 429
Mesothelioma
CT findings in malignant pleural mesothelioma related to nonoccupational exposure to asbestos and fibrous zeolite (erionite), Erzen C; Eryilmaz M; Kalyoncu F; et al, JCAT 1991; **15:** 256
cystic mesothelioma of the peritoneum, O'Neil JD; Ros PR; Storm BL; Buck JL; Wilkinson EJ, Radiology 1989; **170:** 333
deterioration in lung function following hemithorax irradiation for pleural mesothelioma, Maasilta P, Int J Radiat Oncol Biol Phys 1991; **20:** 433
differentiation of adenocarcinoma of the lung from mesothelioma: periodic acid-Schiff, monoclonal antibodies B72.3, and Leu M1, (ab), Warnock ML; Stoloff A; Thor A, Radiology 1989; **171:** 882
double contrast barium enema combined with non-invasive imaging in peritoneal mesothelioma, Cozzi G; Bellomi M; Frigerio LF; et al, Acta Radiol 1989; **30:** 21
extracardiac activity with Tl-201 in a pleural mesothelioma recurrence, Garcia MJ; Arbizu J; Ramirez JC; et al, Clin Nucl Med 1991; **16:** 595
localized fibrous pleural mesothelioma: CT findings, Mendelson DS; Meary E; Buy JN; et al, Clin Imag 1991; **15:** 105
malignant peritoneal mesothelioma after remote abdominal radiation, (ab), Gilks B; Hegedus C; Freeman H; et al, Radiology 1989; **170:** 581
malignant pleural mesothelioma: CT manifestations in 50 cases, Kawashima A; Libshitz HI, AJR 1990; **155:** 965
mesothelioma of the pericardium: CT and MR findings, Vogel HJP; Wondergem JHM; Falke THM, JCAT 1989; **13:** 543
migratory chest mass, Soulen MC; Greco-Hunt VT; Templeton P, Invest Radiol 1990; **25:** 209
MR imaging of malignant pleural mesothelioma, Lorigan JG; Libshitz HI, JCAT 1989; **13:** 617
multicystic mesothelioma: an analysis of pathologic findings and biologic behavior in 37 cases, (ab), Weiss SW; Tavassoli FA, Radiology 1989; **171:** 592
physical aspects of external beam radiotherapy for the treatment of malignant pleural mesothelioma, Soubra M; Dunscombe PB; Hodson DI; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1521
radiation-induced malignant pleural mesothelioma, Kawashima A; Libshitz HI; Lukeman JM, J Canad Assoc Radiol 1990; **41:** 384
role of computed tomography scanning in the initial assessment and the follow-up of malignant pleural mesothelioma, (ab), Rusch VW; Godwin JD; Shuman WP, Radiology 1989; **171:** 587
well-differentiated papillary mesothelioma of the peritoneum, Lovell FA; Cranston PE, AJR 1990; **155:** 1245
Metabolism
abnormalities of the brain in nonketotic hyperglycinemia: MR manifestations, Press GA; Barshop BA; Haas RH; et al, AJNR 1989; **10:** 315
bilateral arachnoid cysts of the temporal fossa in four children with glutaric aciduria type I, Hald JK; Nakstad PH; Skjeldal OH; et al, AJNR 1991; **12:** 407
cerebral metabolism in man after acute stroke: new observations using localized proton NMR spectroscopy, Bruhn H; Frahm J; Gyngell ML; et al, Magn Res Med 1989; **9:** 126
cerebral metabolism of L-[2-^{18}F]fluorotyrosine, a new PET tracer of protein synthesis, Coenen HH; Kling P; Stöcklin G, J Nucl Med 1989; **30:** 1367
cerebral metabolite dynamics during temporary complete ischemia in rats monitored by time-shared ^{1}H nd ^{31}P NMR spectroscopy, Chang L-H; Shirane R; Weinstein PR; et al, Magn Res Med 1990; **13:** 6
CT and MR studies of methylmalonic acidemia, Andreula CF; De Blasi R; Carella A, AJNR 1991; **12:** 410
design of a ^{13}C[^{1}H] RF probe for monitoring the *in vivo* metabolism of [1-^{13}C]glucose in primate brain, Hammer BE; Sacks W; Bigler RE; et al, Magn Res Med 1990; **13:** 1
early metabolic changes following chemotherapy of human gliomas in vivo demonstrated by phosphorus magnetic resonance spectroscopy, Arnold DL; Shoubridge EA; Emrich J; et al, Invest Radiol 1989; **24:** 958
effect of glucose on the distribution of iodine-123-IHA-16 between esterification and oxidation in canine myocardium, Arvieux CC; Fagret D; Dubois F; et al, J Nucl Med 1990; **31:** 640
effect of intravenous fructose on the P-31 MR spectrum of the liver: dose response in healthy volunteers, Terrier F; Vock P; Cotting J; Ladebeck R; Reichen J; Hentschel D, Radiology 1989; **171:** 557
^{19}F nuclear magnetic resonance imaging of drug distribution *in vivo*: the disposition of an antifolate anticancer drug in mice, Maxwell RJ; Frenkiel TA; Newell DR; et al, Magn Res Med 1991; **17:** 189
glycolysis: link between PET and proton MR spectroscopic studies of the brain, Lear JL, Radiology 1990; **174:** 328
^{1}H and ^{31}P NMR measurement of cerebral lactate, high-energy phosphate levels, and pH in humans during voluntary hyperventilation: associated EEG, capnographic, and Doppler findings, van Rijen PC; Luyten PR; van der Sprenkel JWB; et al, Magn Res Med 1989; **10:** 182
hepatic imaging with computed tomography of chronic tyrosinaemia type 1, Macvicar D; Dicks-Mireaux C; Leonard JV; et al, Br J Radiol 1990; **63:** 605
increased density of the thalamus on CT scans in patients with GM_2 gangliosidoses, Brismar J; Brismar G; Coates R; et al, AJNR 1990; **11:** 125
in vivo ^{13}C nuclear magnetic resonance investigations of choline metabolism in rabbit brain, Tunggal B; Hofmann K; Stoffel W, Magn Res Med 1990; **13:** 90
in vivo localized ESR spectroscopy reflecting metabolism, Bačič G; Nilges MJ; Magin RL; et al, Magn Res Med 1989; **10:** 266
metabolic imaging of patients with intracranial tumors: H-1 MR spectroscopic imaging and PET, Luyten PR; Marien AJH; Heindel W; van Gerwen PHJ; Herholz K; den Hollander JA; Friedmann G; Heiss W-D, Radiology 1990; **176:** 791
micropharmacokinetics of chemical modifiers, Workman P, Int J Radiat Oncol Biol Phys 1989; **16:** 897
MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593
^{31}P-NMR spectroscopy measurements of energy metabolism of in vivo growing ascites tumours following addition of glucose, Skog S; Ericsson A; Nordell B; et al, Acta Oncol 1989; **28:** 277
quantification of patterns of regional cardiac metabolism, Lear JL; Ackermann RF, Radiology 1990; **176:** 659
real-time follow-up of 5-fluorouracil metabolism in the liver of tumor patients by means of F-19 MR spectroscopy, Semmler W; Bachert-Baumann P; Gückel F; Ermark F; Schlag P; Lorenz WJ; van Kaick G, Radiology 1990; **174:** 141
relationship between CNS metabolism and cytoarchitecture: a review of ^{14}C-deoxyglucose studies with correlation to cytochrome oxidase histochemistry, Di Rocco RJ; Kageyama GH; Wong-Riley MTT, Comput Med Imag Graph 1989; **13:** 81
renal oxypurine deposition in Lesch-Nyhan syndrome: sonographic evaluation, Stevens SK; Parker BR, Pediatr Radiol 1989; **19:** 479
skeletal abnormalities in a case of congenital erythropoietic porphyria, Ito M; Hayashi K; Uetani M; et al, Br J Radiol 1990; **63:** 891
value of neuroimaging in metabolic diseases affecting the CNS, Naidu S; Moser HW, AJNR 1991; **12:** 413
Metaphyses
See Bones, metaphyses
Methotrexate
comparison of transabdominal and endovaginal sonographic approaches in the diagnosis of a case of cervical pregnancy successfully treated with methotrexate, Sherer DM; Abramowicz JS; Thompson HO; et al, J Ultrasound Med 1991; **10:** 409
effect of sequential methotrexate and 5-fluorouracil in patients with recurrent head and neck cancer, Lindelöv B; Hansen HS, Acta Oncol 1989; **28:** 227

iatrogenic intraspinal epidermoid tumor: myelo-CT and MRI diagnosis, Visciani A; Savoiardo M; Balestrini MR; et al, Neuroradiol 1989; **31:** 273

in vivo monitoring of changes in 5-fluorouracil metabolism induced by methotrexate measured by ^{19}F NMR spectroscopy, Koutcher JA; Sawyer RC; Kornblith AB; et al, Magn Res Med 1991; **19:** 113

methyl-GAG, ifosfamide, methotrexate and etoposide (MIME) as salvage therapy for Hodgkin's disease and non-Hodgkin's lymphoma, Enblad G; Glimelius B; Hagberg H; et al, Acta Oncol 1990; **29:** 297

MR findings in methotrexate-induced CNS abnormalities, Ebner F; Ranner G; Slavc I; et al, AJNR 1989; **10:** 959

MR findings in methotrexate-induced CNS abnormalities, Ebner F; Ranner G; Slavc I; et al, AJR 1989; **153:** 1283

osteogenic sarcoma: MR signal abnormalities of the brain in asymptomatic patients treated with high-dose methotrexate, Lien HH; Blomlie V; Saeter G; Solheim Ø; Fosså SD, Radiology 1991; **179:** 547

palliative therapy of inoperable oesophageal carcinoma with radiotherapy and methotrexate: final results of a controlled clinical trial, Roussel A; Bleiberg H; Dalesio O; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 67

poorly differentiated naso- and oropharyngeal carcinoma: a retrospective comparison between the results of radiotherapy alone and radiotherapy plus adjuvant methotrexate, Reinfuss M; Skofyszewski J; Radkowski A, Acta Oncol 1991; **30:** 39

sustained complete remission of stage IVb carcinoma of the cervix with *cis*-platinum, methotrexate and bleomycin chemotherapy, Burnet NG; Blake PR, Br J Radiol 1989; **62:** 856

Methyl *tert*-butyl ether (MTBE)

chemical dissolution of gallstones: in vitro studies, Oldershaw JH; Epstein NF; Potter JE; Clouse ME, Radiology 1989; **172:** 987

dissolution of cholesterol gallstones using methyl tert-butyl ether, Williams HJ Jr; Bender CE; LeRoy AJ, Cardiovasc Intervent Radiol 1990; **13:** 272

experimental gallstone dissolution with methyl-tert-butyl ether (MTBE) and transcutaneous ultrasound energy, Griffith SL; Burney BT; Fry FJ; et al, Invest Radiol 1990; **25:** 146

extracorporeal shock-wave lithotripsy and methyl *tert*-butyl ether for partially calcified gallstones, (ab), Peine CJ; Petersen BT; Williams HJ; et al, Radiology 1990; **175:** 882

gallstone dissolution by methyl-tert-butyl ether (MTBE) via percutaneous transhepatic cholecystostomy, Choong M; Phillips GWL, Australas Radiol 1990; **34:** 339

gallstone dissolution in methyl *tert*-butyl ether after mechanical fragmentation: in vitro study, Lu DS; Ho C-S; Allen LC, AJR 1990; **155:** 67

gallstone dissolution in vitro using methyl *tert*-butyl ether: radiologic selection criteria, (ab), Nelson PE; Moyer TP; Thistle JL, Radiology 1990; **177:** 595

gall stone dissolution with methyl tert-butyl ether: how to avoid complications, (ab), Hellstern A; Leuschner M; Frenk H; et al, Radiology 1991; **178:** 587

in vitro cholesterol gallstone dissolution: comparison of methyl *tert*-butyl ether with three new ester solvents, Long CA; Teplick SK; Baker ML; Brandon JC, Radiology 1991; **180:** 47

in vitro dissolution of gallstones with MTBE: correlation with characteristics at CT and MR imaging, Baron RL; Kuyper SJ; Lee SP; Rohrmann CA Jr; Shuman WP; Nelson JA, Radiology 1989; **173:** 117

iodinated contrast medium as an aid to gallstone dissolution with methyl *tert*-butyl ether: in vitro study, Zhou J; Lee SH; Rawat B; Fache JS; Maciejewska U; Burhenne HJ, Radiology 1990; **175:** 479

percutaneous contact dissolution of gallstones: complexity of radiologic care, Mueller PR; Lee MJ; Saini S; Brink JA; Hahn PF; Dawson SL; Kammer B; Morrison MC; Shortsleeve M; Ferrucci JT, Radiographics 1991; **11:** 759

thin-layer chromatography to monitor cholesterol gallstone dissolution by methyl *tert*-butyl ether, D'Agostino HB; vanSonnenberg E; Schteingart CD; et al, AJR 1991; **157:** 33

tissue response of the biliary and digestive system of rabbits after MTBE infusion into the gallbladder, Adam G; Knuechel R; Vorwerk D; et al, Invest Radiol 1990; **25:** 58

Metrizoate

influence of urography on renal function in children: a double blind study with metrizoate and iohexol, Stake G; Monn E; Rootwelt K; et al, Acta Radiol 1989; **30:** 643

shoulder arthrography with sodium meglumine metrizoate and iopamidol, Ahovuo J; Paavolainen P; Saarinen O, Skeletal Radiol 1989; **18:** 89

Metronidazole

intratumoral and parametrial infusion of metronidazole in the radiotherapy of uterine cervix cancer: preliminary report, Balmukhanov SB; Beisebaev AA; Aitkoolova ZI; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1061

topical infusion of metronidazole in the radiotherapy of tumours of the uterine cervix: interim report on the 2 year survival, Balmukhanov SB; Beisebaev AA; Mustaphin DS; et al, Br J Radiol 1990; **63:** 499

Microspheres

bone marrow perfusion evaluated with gadolinium-enhanced dynamic fast MR imaging in a dog model, Cova M; Kang YS; Tsukamoto H; Jones LC; McVeigh E; Neff BL; Herold CJ; Scott WW Jr; Hungerford DS; Zerhouni EA, Radiology 1991; **179:** 535

characteristics of Albunex: air-filled albumin microspheres for echocardiography contrast enhancement, Barnhart J; Levene H; Villapando E; et al, Invest Radiol 1990; **25:** S162

(D, L) polylactide microspheres as embolic agent: a preliminary study, Flandroy P; Grandfils C; Collignon J; et al, Neuroradiol 1990; **32:** 311

hepatic tumors: signal enhancement at Doppler US after intravenous injection of a contrast agent, Goldberg BB; Hilpert PL; Burns PN; Liu J-B; Newman LM; Merton DA; Witlin LA, Radiology 1990; **177:** 713

hydrolysed microspheres from cross-linked polymethyl methacrylate (Hydrogel): a new embolic material for interventional neuroradiology, Rao VRK; Ravimandalam K; Jayakrishnan A; et al, J Neuroradiol 1991; **18:** 61

IV injection of air-filled human albumin microspheres to enhance arterial Doppler signal: a preliminary study in rabbits, Hilpert PL; Mattrey RF; Mitten RM; et al, AJR 1989; **153:** 613

magnetic starch microspheres, efficacy and elimination: a new organ-specific contrast agent for magnetic resonance imaging, Fahlvik AK; Holtz E; Leander P; et al, Invest Radiol 1990; **25:** 113

pseudocolor display of regional organ blood flow determined by means of the radioactive microsphere technique, Gross W; Zeller P; Kreimeier U; et al, Comput Med Imag Graph 1990; **14:** 1

Microwaves

characteristics of improved microwave interstitial antennas for local hyperthermia, Sathiaseelan V; Leybovich L; Emami B; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 531

clinical considerations in the use of external microwaves for local hyperthermia, Steeves RA, Radiol Clin North Am 1989; **27:** 519

comparison of six microwave antennas for hyperthermia treatment of cancer: SAR results for single antennas and arrays, Ryan TP, Int J Radiat Oncol Biol Phys 1991; **21:** 403

effects of fat thickness on heating patterns of the microwave applicator MA-151 at 631 and 915 MHz, Chou CK; McDougall JA; Chan KW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1067

evaluation and optimization of the electromagnetic performance of interstitial antennas for hyperthermia, Iskander MF; Tumeh AM; Furse CM, Int J Radiat Oncol Biol Phys 1990; **18:** 895

interstitial thermoradiotherapy, Coughlin CT; Strohbehn JW, Radiol Clin North Am 1989; **27:** 577

measurement of tumor pH during microwave induced experimental and clinical hyperthermia with a fiber optic pH measurement system, van de Merwe SA; van den Berg AP; van der Zee J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 51

microwave hyperthermia: principles and quality assurance, Paliwal BR; Shrivastava PN, Radiol Clin North Am 1989; **27:** 489

modification of specific absorption rates in interstitial microwave hyperthermia via tissue-equivalent material bolus, Sundararaman S; Denman DL; Legorreta RA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 677

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

simultaneous localized 915 MHz external and interstitial microwave hyperthermia to heat tumors greater than 3 cm in depth, Mittal BB; Sathiaseelan V; Kies MS, Int J Radiat Oncol Biol Phys 1990; **19:** 669

spiral microstrip hyperthermia applicators: technical design and clinical performance, Samulski TV; Fessenden P; Lee ER; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 233

use of microwave-induced hyperthermia in conjunction with afterloading irradiation of vaginal carcinoma: a preliminary report, Sorbe B; Roos DIF; Karlsson LG, Acta Oncol 1990; **29:** 1029

Misonidazole

autoradiographic study of tritium-labeled misonidazole in the mouse, Cobb LM; Nolan J, Int J Radiat Oncol Biol Phys 1989; **16:** 953

biodistribution of misonidazole and 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU) in rats bearing unclamped and clamped 9L subcutaneous tumors, Wong K-H; Wallen CA; Wheeler KT, Int J Radiat Oncol Biol Phys 1989; **17:** 135

chemosensitization of the nitrosoureas by 2-nitroimidazoles in the subcutaneous 9L tumor model: pharmacokinetic and structure-activity considerations, Wong K-H; Wallen CA; Wheeler KT, Int J Radiat Oncol Biol Phys 1990; **18:** 1043

comparative DNA damage and repair induced by misonidazole, CB 1954 and RSU 1069, Dale LD; Widdick DA; Edwards DI, Int J Radiat Oncol Biol Phys 1989; **16:** 995

comparison of ^{3}H-misonidazole binding between CHO and 9L cells using the sandwich system, Hlatky L; Ring CS; Sachs RK, Int J Radiat Oncol Biol Phys 1989; **16:** 943

controlled trial of misonidazole in the curative treatment of infiltrating bladder cancer, Bydder PV; Burry AF; Gowland S; et al, Australas Radiol 1989; **33:** 8

effect of environmental conditions (pH, oxygenation, and temperature) on misonidazole cytotoxicity and radiosensitization *in vitro* and *in vivo* in FSAIIC fibrosarcoma, Holden SA; Teicher BA; Herman TS, Int J Radiat Oncol Biol Phys 1991; **20:** 1031

effect of thiol manipulation on chemopotentiation by nitroimidazoles, Siemann DW; Flaherty AA; Penney DP, Int J Radiat Oncol Biol Phys 1989; **16:** 1341

effects of nitroimidazoles on neuronal cells in vitro, Stevenson MA; Calderwood SK; Coleman CN, Int J Radiat Oncol Biol Phys 1989; **16:** 1225

final reporty of the phase I trial of the hypoxic cell radiosensitizer SR 2508 (etanidazole) radiation therapy oncology group 83-03, Coleman CN; Wasserman TH; Urtasun RC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 389

^{3}H-misonidazole labeling and viability of hypoxic cells in the sandwich system, an *in vitro* tumor analogue, Hlatky L; Ring CS; Sachs RK, Int J Radiat Oncol Biol Phys 1989; **16:** 143

in vivo response of a C3H mammary carcinoma to treatment with misonidazole, cyclophosphamide and radiation, Grau C; Zachariae C; Mao H-S; et al, Acta Oncol 1990; **29:** 769

keynote address: hypoxic cell sensitizers: clinical developments, Dische S, Int J Radiat Oncol Biol Phys 1989; **16:** 1057

misonidazole binding in SCCVII tumors in relation to the tumor blood supply, Olive PL; Durand RE, Int J Radiat Oncol Biol Phys 1989; **16:** 755

misonidazole combined with radiotherapy in the treatment of carcinoma of the uterine cervix, Overgaard J; Bentzen SM; Kolstad P; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1069

misonidazole combined with split-course radiotherapy in the treatment of invasive carcinoma of larynx and pharynx: report from the DAHANCA 2 study, Overgaard J; Hansen HS; Andersen AP; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1065

myocardial kinetics of fluorine-18 misonidazole: a marker of hypoxic myocardium, Shelton ME; Dence CS; Hwang D-R; et al, J Nucl Med 1989; **30:** 351

phase I/II study of the hypoxic cell sensitizer misonidazole as an adjunct to high fractional dose radiotherapy in patients with unresectable squamous cell carcinoma of the head and neck: a RTOG randomized study (#79-04), Lee D-J; Pajak TF; Stetz J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 465

positive clinical experience with misonidazole in brachytherapy and external radiotherapy, Baillet F; Housset M; Dessard-Diana B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1073

radiation response of E. coli after combined treatment with misonidazole and WR-2721 at various oxygen concentrations, Dám AM; Gazsó LG; Bodó K, Acta Oncol 1990; **29:** 1055

radiation therapy alone or combined with misonidazole in the treatment of locally advanced non-oat cell lung cancer: report of an RTOG prospective randomized trial, Simpson JR; Bauer M; Perez CA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1483

radiosensitization by misonidazole during recovery of cellular thiols following depletion by BSO or DEM, McNally NJ; Soranson JA, Int J Radiat Oncol Biol Phys 1989; **16:** 1331

radiosynthesis of fluorine-18 fluoromisonidazole, Grierson JR; Link JM; Mathis CA; et al, J Nucl Med 1989; **30:** 343

randomized phase III protocol for the evaluation of misonidazole combined with radiation in the treatment of patients with brain metastases (RTOG-7916), Komarnicky LT; Phillips TL; Martz K; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 53

results of a randomized trial comparing BCNU plus radiotherapy, streptozotocin plus radiotherapy, BCNU plus hyperfractionated radiotherapy, and BCNU following misonidazole plus radiotherapy in the postoperative treatment of malignant glioma, Deutsch M; Green SB; Strike TA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1389

role of hemoglobin concentration in the outcome of misonidazole-sensitized radiotherapy of head and neck cancers: based on RTOG trial #79-15, Fazekas JT; Scott C; Marcial V; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1177

tissue distribution of ^{14}C- and ^{3}H-labelled misonidazole in the tumor-bearing mouse, Cobb LM; Nolan J; Butler S, Int J Radiat Oncol Biol Phys 1990; **18:** 347

Mitomycin C

concomitant 5-fluorouracil infusion, mitomycin C and radical radiation therapy in esophageal squamous cell carcinoma, Chan A; Wong A; Arthur K, Int J Radiat Oncol Biol Phys 1989; **16:** 59

concomitant pelvic irradiation, 5-fluorouracil and mitomycin C in the treatment of advanced cervical carcinoma, Khoury GG; Bulman AS; Joslin CAF; et al, Br J Radiol 1991; **64:** 252

pharmacokinetics of intra-arterial mitomycin C with or without degradable starch microspheres (DSM) in the treatment of non-resectable liver cancer, Andersson M; Aronsen KF; Balch C; et al, Acta Oncol 1989; **28:** 219

radiosensitizing and cytotoxic properties of mitomycin C in a C3H mouse mammary carcinoma *in vivo*; Grau C; Overgaard J, Int J Radiat Oncol Biol Phys 1991; **20:** 265

randomized clinical trial of mitomycin C as an adjunct to radiotherapy in head and neck cancer, Weissberg JB; Son YH; Papac RJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 3

trimodality therapy (drug/hyperthermia/radiation) with BCNU or mitomycin C, Herman TS; Teicher BA; Holden SA, Int J Radiat Oncol Biol Phys 1990; **18:** 375

Mitral valve

diagnosis and assessment of mitral and aortic valve disease by cine-flow magnetic resonance imaging, Mitchell L; Jenkins JPR; Watson Y; et al, Magn Res Med 1989; **12:** 181

transesophageal echocardiographic features of normal and dysfunctioning bioprosthetic valves, (ab), Alam M; Serwin JB; Rosman HS; et al, Radiology 1991; **181:** 911

Mitral valve, MR

cine MR imaging in mitral regurgitation: comparison with color Doppler flow imaging, Nishimura T; Yamada N; Itoh A; et al, AJR 1989; **153:** 721

evaluation of mitral regurgitation by cine magnetic resonance imaging, (ab), Aurigemma G; Reichek N; Schiebler M; et al, Radiology 1991; **179:** 295

magnetic resonance evaluation of mitral stenosis, Park JH; Han MC; Oh BH; et al, Cardiovasc Intervent Radiol 1990; **13:** 294

Mitral valve, prolapse

follow-up mitral valve prolapse by phonocardiography, M-mode and two-dimensional echocardiography and Doppler echocardiography, (ab), You-Bing D; Takenaka K; Sakamoto T; et al, Radiology 1990; **177:** 294

Mitral valve, prostheses

computer-assisted assessment of the kinetic function of disk-type artificial heart valves, Formanek AG; Sobol WT; Link KM, Invest Radiol 1990; **25:** 24

detection of prosthetic mitral valve leak: a comparative study using transesophageal echocardiography, transthoracic echocardiography, and auscultation, Chen Y-T; Kan M-N; Chen J-S; et al, JCU 1990; **18:** 557

embolization of a prosthetic mitral valve leaflet: localizaton with intravascular US, Miller SF; McCowan TC; Eidt JF; Cook JM; Carver DK, JVIR 1991; **2:** 375

tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; **176:** 728

Mitral valve, regurgitation

cine MR imaging in mitral regurgitation: comparison with color Doppler flow imaging, Nishimura T; Yamada N; Itoh A; et al, AJR 1989; **153:** 721

contributing factors to formation of left atrial spontaneous echo contrast in mitral valvular disease, Chen Y-T; Kan M-N; Chen J-S; et al, J Ultrasound Med 1990; **9:** 151

evaluation of mitral regurgitation by cine magnetic resonance imaging, (ab), Aurigemma G; Reichek N; Schiebler M; et al, Radiology 1991; **179:** 295

functional anatomy of severe mitral regurgitation in active rheumatic carditis, (ab), Marcus RH; Sareli P; Pocock WA; et al, Radiology 1989; **173:** 291

pulmonary edema localized in the right upper lobe accompanying mitral regurgitation, Gurney JW; Goodman LR, Radiology 1989; **171:** 397

transient mitral regurgitation: an adjunctive sign of myocardial ischemia during dipyridamole-thallium imaging, Lette J; Gagnon A; Lapointe J; et al, J Nucl Med 1989; **30:** 1271

usefulness of color Doppler flow imaging to distinguish ventricular septal defect from acute mitral regurgitation complicating acute myocardial infarction, (ab), Harrison MR; MacPhail B; Gurley JC; et al, Radiology 1990; **175:** 885

Mitral valve, stenosis

chest radiographs are unreliable in predicting thrombi in the left atrium or its appendage in rheumatic mitral stenosis, Sharma S; Kumar MV; Aggarwal S; et al, Clin Radiol 1991; **43:** 337

contributing factors to formation of left atrial spontaneous echo contrast in mitral valvular disease, Chen Y-T; Kan M-N; Chen J-S; et al, J Ultrasound Med 1990; **9:** 151

magnetic resonance evaluation of mitral stenosis, Park JH; Han MC; Oh BH; et al, Cardiovasc Intervent Radiol 1990; **13:** 294

mitral stenosis: evaluation with MR imaging after percutaneous balloon valvuloplasty, Park JH; Han MC; Im J-G; Oh BH; Lee YW, Radiology 1990; **177:** 533

percutaneous double balloon valvotomy for severe rheumatic mitral stenosis, (ab), Ruiz CE; Allen JW; Lau FYK, Radiology 1990; **177:** 293

results of percutaneous mitral commissurotomy in 200 patients, (ab), Vahanian A; Michel PL; Cormier B; et al, Radiology 1989; **173:** 885

tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; **176:** 728

Mitral valve, surgery

combined percutaneous mitral and aortic balloon valvuloplasty, (ab), Medina A; Bethencourt A; Coello I; et al, Radiology 1990; **175:** 589

inadvertent embolic obstruction of abdominal aorta from left atrial thrombus after percutaneous mitral valvuloplasty, Park JH; Lee G; Han JK; et al, Cardiovasc Intervent Radiol 1990; **13:** 351

percutaneous balloon mitral valvuloplasty by retrograde left atrial catheterization, (ab), Stefanadis C; Kourouklis C; Stratos C; et al, Radiology 1990; **177:** 293

percutaneous double balloon valvotomy for severe rheumatic mitral stenosis, (ab), Ruiz CE; Allen JW; Lau FYK, Radiology 1990; **177:** 293

Mitral valve, US

cine MR imaging in mitral regurgitation: comparison with color Doppler flow imaging, Nishimura T; Yamada N; Itoh A; et al, AJR 1989; **153:** 721

contributing factors to formation of left atrial spontaneous echo contrast in mitral valvular disease, Chen Y-T; Kan M-N; Chen J-S; et al, J Ultrasound Med 1990; **9:** 151

detection of prosthetic mitral valve leak: a comparative study using transesophageal echocardiography, transthoracic echocardiography, and auscultation, Chen Y-T; Kan M-N; Chen J-S; et al, JCU 1990; **18:** 557

Model, anatomical

three-dimensional lithographic model building from volume data sets, Palser R; Jamieson R; Sutherland JB; et al, J Canad Assoc Radiol 1990; **41:** 339

Model, mathematical

chest radiography: a tool for the audit of report quality, Haug PJ; Clayton PD; Tocino I; Morrison JW; Elliot CG; Collins DV; Harada SK; Frederick PR, Radiology 1991; **180:** 271

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

encoding strategies for three-direction phase-contrast MR imaging of flow, Pelc NJ; Bernstein MA; Shimakawa A; Glover GH, JMRI 1991; **1:** 405

Mongolism

See Down syndrome

Monoclonal antibodies

analysis of binding of a technetium-99m-labeled monoclonal antibody to lentivirus-infected cells, Papageorges M; Gavin PR; Adams DS; et al, Invest Radiol 1990; **25:** 1182

antibody guided diagnosis and therapy of brain gliomas using radiolabeled monoclonal antibodies against epidermal growth factor receptor and placental alkaline phosphatase, Kalofonos HP; Pawlikowska TR; Hemingway A; et al, J Nucl Med 1989; **30:** 1636

anti-carcinoembryonic antigen immunoscintigraphy (technetium-99m-monoclonal antibody BW 431/26) and serum CEA levels in patients with suspected primary and recurrent colorectal carcinoma, Lind P; Lechner P; Arian-Schad K; et al, J Nucl Med 1991; **32:** 1319

antigen-binding site protection during radiolabeling leads to a higher immunoreactive fraction, Van den Abbeele AD; Aaronson RA; Daher S; et al, J Nucl Med 1991; **32:** 116

anti-platelet monoclonal antibody P256 in the diagnosis of renal transplant rejection, De Kaski MC; Keane PF; Stuttle AWJ; et al, Clin Nucl Med 1991; **16:** 583

assessment of myocardial damage in dilated-phase hypertrophic cardiomyopathy by using indium-111-antimyosin Fab myocardial scintigraphy, Nishimura T; Nagata S; Uehara T; et al, J Nucl Med 1991; **32:** 1333

biokinetics of radiolabeled monoclonal antibodies in heterotransplanted nude rats: evaluation of corrected specific tissue uptake, Ingvar C; Norrgren K; Strand S-E; et al, J Nucl Med 1989; **30:** 1224

bone marrow dosimetry in rats using direct tissue counting after injection of radioiodinated intact monoclonal antibodies or F(ab')$_2$ fragments, Buchegger F; Chalandon Y; Pèlegrin A; et al, J Nucl Med 1991; **32:** 1414

CA 125 assay used in conjunction with CA 15-3 and TAG-72 assays for discrimination between malignant and non-malignant diseases of the ovary, Einhorn N; Knapp RC; Bast RC; et al, Acta Oncol 1989; **28:** 655

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

comparative autoradiographic study demonstrating differential intratumor localization of monoclonal antibodies to cell surface (Lym-1) and intracellular (TNT-1) antigens, Chen F-M; Epstein AL; Li Z; et al, J Nucl Med 1990; **31:** 1059

comparative biodistributions of yttrium- and indium-labeled monoclonal antibody B72.3 in athymic mice bearing human colon carcinoma xenografts, Roselli M; Schlom J; Gansow OA; et al, J Nucl Med 1989; **30:** 672

comparison of ^{131}I-labeled monoclonal antibody 17-1A treatment to external beam irradiation on the growth of LS174T human colon carcinoma xenografts, Buchsbaum DJ; Ten Haken RK; Heidorn DB; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1033

comparison of radiolabeled monoclonal antibody and magnetic resonance imaging in the detection of metastatic neuroblastoma in bone marrow: preliminary results, Fletcher BD; Miraldi FD; Cheung N-KV, Pediatr Radiol 1989; **20:** 72

comparison of seven iodine-labelled monoclonal antibodies in nude mice with human colon carcinoma xenografts, Aronsson EF; Grétarsdóttir J; Jacobsson L; et al, Acta Oncol 1991; **30:** 385

considerations for imaging Re-188 and Re-186 isotopes, Eary JF; Durack L; Williams D; et al, Clin Nucl Med 1990; **15:** 911

correlative imaging in radioimmunotherapy, Eary JF, Invest Radiol 1991; **26:** 755

CT-SPECT fusion to correlate radiolabeled monoclonal antibody uptake with abdominal CT findings, Kramer EL; Noz ME; Sanger JJ; Megibow AJ; Maguire GQ, Radiology 1989; **172:** 861

curative radioimmunotherapy of human mammary carcinoma xenografts with iodine-131-labeled monoclonal antibodies, Senekowitsch R; Reidel G; Möllenstädt S; et al, J Nucl Med 1989; **30:** 531

current status of immunoscintigraphy in the detection of thrombosis and thromboembolism, Koblik PD; DeNardo GL; Berger HJ, Semin Nucl Med 1989; **19:** 221

deep vein thrombosis: scintigraphic diagnosis with In-111–labeled monoclonal antifibrin antibodies, Jung M; Kletter K; Dudczak R; Koppensteiner R; Minar E; Kahls P; Stümpflen A; Pokieser P; Ehringer H, Radiology 1989; **173:** 469

detection of pulmonary metastases in a patient with synovial cell sarcoma using In-111 labeled monoclonal antibody 19-24, Swift JE; Blend MJ; Bekerman C; et al, Clin Nucl Med 1990; **15:** 227

development and biologic evaluation of a kit for preformed chelate technetium-99m radiolabeling of an antibody Fab fragment using a diamide dimercaptide chelating agent, Kasina S; Rao TN; Srinivasan A; et al, J Nucl Med 1991; **32:** 1445

development of a stable radioiodinating reagent to label monoclonal antibodies for radiotherapy of cancer, Wilbur DS; Hadley SW; Hylarides MD; et al, J Nucl Med 1989; **30:** 216

development of monoclonal antibody imaging of metastatic prostatic carcinoma, (ab), Meyers FJ; DeNardo SJ; Macey D; et al, Radiology 1990; **174:** 293

diagnosis of deep venous thrombosis of the leg using immunoscintigraphy with ^{111}In-labelled monoclonal antifibrin antibody fragments, Aronen H, Acta Radiol 1989; **30:** 159

diagnosis of tumors of the parotid gland with anti-CEA immunoscintigraphy, Kairemo KJA; Hopsu EVM, AJR 1990; **154:** 1259

differences in biodistribution of indium-111- and iodine-131-labeled B72.3 monoclonal antibodies in patients with colorectal cancer, Yokoyama K; Carrasquillo JA; Chang AE; et al, J Nucl Med 1989; **30:** 320

differentiation of adenocarcinoma of the lung from mesothelioma: periodic acid-Schiff, monoclonal antibodies B72.3, and Leu M1, (ab), Warnock ML; Stoloff A; Thor A, Radiology 1989; **171:** 882

dual isotope study of iodine-125 and indium-111-labeled antibody in athymic mice, Carney PL; Rogers PE; Johnson DK, J Nucl Med 1989; **30:** 374

effects of tumor mass, tumor age, and external beam radiation on tumor-specific antibody uptake, Wong JYC; Williams LE; Hill LR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 715

endotoxin reduces specific pulmonary uptake of radiolabeled monoclonal antibody to angiotensin-converting enzyme, Muzykantov VR; Puchnina EA; Atochina EN; et al, J Nucl Med 1991; **32:** 453

estimates of radiation absorbed dose for intraperitoneally administered iodine-131 radiolabeled B72.3 monoclonal antibody in patients with peritoneal carcinomatoses, Larson SM; Carrasquillo JA; Colcher DC; et al, J Nucl Med 1991; **32:** 1661

evaluation of a remote radioiodination system for radioimmunotherapy, Weadock KS; Sharkey RM; Varga DC; et al, J Nucl Med 1990; **31:** 508

evaluation of indium-111-labeled antifibrin monoclonal antibody for the diagnosis of venous thrombotic disease, De Faucal P; Peltier P; Planchon B; et al, J Nucl Med 1991; **32:** 785

future role of radiolabeled monoclonal antibodies in oncological diagnosis and therapy, Goldenberg DM, Semin Nucl Med 1989; **19:** 332

gamma imaging with negatively charge-modified monoclonal antibody: modification with synthetic polymers, Khaw B-A; Klibanov A; O'Donnell SM; et al, J Nucl Med 1991; **32:** 1742

imaging of acute myocardial infarction in pigs with indium-111 monoclonal antimyosin scintigraphy and MRI, Ten Kate CI; van Kroonenburgh MJPG; Schipperheyn JJ; et al, Invest Radiol 1990; **25:** 806

imaging of colorectal carcinoma with radiolabeled antibodies, Goldenberg DM; Goldenberg H; Sharkey RM; et al, Semin Nucl Med 1989; **19:** 262

imaging of inflammatory arthritis with technetium-99m-labeled IgG, Breedveld FC; van Kroonenburgh MJPG; Camps JAJ; et al, J Nucl Med 1989; **30:** 2017

imaging of soft-tissue sarcomas with indium-111-labeled monoclonal antimyosin Fab fragments, Kairemo KJA; Wiklund TA; Liewendahl K; et al, J Nucl Med 1990; **31:** 23

imaging of tumor in patients with indium-111-labeled biotin and streptavidin-conjugated antibodies: preliminary communication, Kalofonos HP; Rusckowski M; Siebecker DA; et al, J Nucl Med 1990; **31:** 1791

imaging of tumours in the parotid region with indium-111 labelled monoclonal antibody reacting with carcinoembryonic antigen, Kairemo KJA; Hopsu EVM, Acta Oncol 1990; **29:** 539

imaging with radiolabelled monoclonal antibodies, Sikora K, Clin Radiol 1989; **40:** 332

immunologic and pharmacologic concepts of monoclonal antibodies, Zuckier LS; Rodriguez LD; Scharff MD, Semin Nucl Med 1989; **19:** 166

immunolymphoscintigraphy, Keenan AM, Semin Nucl Med 1989; **19:** 322

immunoreactivity affects the biodistribution and tumor targeting of radiolabeled anti-P97 Fab fragment, Yokoyama K; Reynolds JC; Paik CH; et al, J Nucl Med 1990; **31:** 202

immunoscintigraphic localization in a benign thyroid neoplasm of a monoclonal antibody directed against melanoma, Feggi L; Prandini N; Pansini G; et al, Clin Nucl Med 1991; **16:** 340

immunoscintigraphy in laryngeal and pharyngeal carcinomas using indium-111 labelled monoclonal antibody, Kairemo KJA; Hopsu EVM, Acta Oncol 1990; **29:** 533

immunoscintigraphy of colorectal carcinoma utilizing ^{111}In-labeled monoclonal antibody conjugate CYT-103, Neal CE; Swan TL; Baker MR; et al, Gastrointest Radiol 1991; **16:** 251

immunoscintigraphy of human tumors transplanted in nude mice with radiolabeled anti-ras p21 monoclonal antibodies, Katoh Y; Nakata K; Kohno K; et al, J Nucl Med 1990; **31:** 1520

immunoscintigraphy of inflammatory processes with a technetium-99m-labeled monoclonal antigranulocyte antibody (MAb BW 250/183), Lind P; Langsteger W; Költringer P; et al, J Nucl Med 1990; **31:** 417

immunoscintigraphy of ovarian cancer with indium-111-labeled OV-TL 3 F(ab')$_2$ monoclonal antibody, Massuger LFAG; Kenemans P; Claessens RAMJ; et al, J Nucl Med 1990; **31:** 1802

immunoscintigraphy with indium-111 labeled monoclonal antibodies: the importance of a good display method, Liehn JC; Hannequin P; Nasca S; et al, Clin Nucl Med 1989; **14:** 187

improved radiolabeled monoclonal antibody uptake by lavage of intraperitoneal carcinomatosis in mice, Wahl RL; Liebert M, J Nucl Med 1989; **30:** 60

In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT, Radiology 1990; **175:** 163

In-111 labeled monoclonal anti-carcinoembryonic antigen antibody (ZCE025) in the immunoscintigraphic imaging of metastatic antigen-producing adenocarcinomas, Saleh MN; Wheeler RH; Lee JY; et al, Clin Nucl Med 1991; **16:** 110

indium-111-antimyosin antibody imaging for detecting different stages of myocardial infarction: comparison with technetium-99m-pyrophosphate imaging, Tamaki N; Yamada T; Matsumori A; et al, J Nucl Med 1990; **31:** 136

indium-111-labeled B72.3 monoclonal antibody in the detection and staging of breast cancer: a phase I study, Lamki LM; Buzdar AU; Singletary SE; et al, J Nucl Med 1991; **32:** 1326

influence of bestatin on production of granulocyte-macrophage colony-stimulating factor from human peripheral blood mononuclear cells in vitro, Okamura S; Omori F; Haga K; et al, Acta Oncol 1990; **29:** 795

inhibition of autoradiolysis of radiolabeled monoclonal antibodies by cryopreservation, Wahl RL; Wissing JR; del Rosario R; et al, J Nucl Med 1990; **31:** 84

intracerebral uptake of Tc-99m labeled antimelanoma antibodies, Schaling DF; Bleeker JC; Algra PR; et al, Clin Nucl Med 1990; **15:** 32

intraperitoneal radioimmunotherapy for ovarian cancer: pharmacokinetics, toxicity, and efficacy of I-131 labeled monoclonal antibodies, Stewart JSW; Hird V; Snook D; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 405

in vitro and in vivo properties of human/mouse chimeric monoclonal antibody specific for common acute lymphocytic leukemia antigen, Saga T; Endo K; Koizumi M; et al, J Nucl Med 1990; **31:** 1077

in vitro and in vivo targeting of radiolabeled monovalent and divalent haptens with dual specificity monoclonal antibody conjugates: enhanced divalent hapten affinity for cell-bound antibody conjugate, Le Doussal J-M; Martin M; Gautherot E; et al, J Nucl Med 1989; **30:** 1358

in vitro complex formation and biodistribution of mouse antitumor monoclonal antibody in cancer patients, Sakahara H; Reynolds JC; Carrasquillo JA; et al, J Nucl Med 1989; **30:** 1311

in vivo fate of monoclonal antibody B72.3 in patients with colorectal cancer, Colcher D; Milenic DE; Ferroni P; et al, J Nucl Med 1990; **31:** 1133

iodine-125-NRLU-10 kinetic studies and bismuth-212-NRLU-10 toxicity in LS174T multicell spheroids, Langmuir VK; Atcher RW; Hines JJ; et al, J Nucl Med 1990; **31:** 1527

iodine-131-labeled MAb $F(ab')_2$ fragments are more efficient and less toxic than intact anti-CEA antibodies in radioimmunotherapy of large human colon carcinoma grafted in nude mice, Buchegger F; Pèlegrin A; Delaloye B; et al, J Nucl Med 1990; **31:** 1035

isotype switch variant anti-idiotype monoclonal antibodies: comparative radiolabeling and in vitro binding, Wahl RL; Wissing JR; Kaminski MS, J Nucl Med 1989; **30:** 227

kinetics of radioiodinated monoclonal antibodies in the rat: influence of tumour growth and reticuloendothelial system host modulation, Holmberg SB; Hafström L; Aronsson EF; et al, Acta Oncol 1989; **28:** 699

labeling of human clots in vitro with an active-site mutant of t-PA, Fry ETA; Mack DL; Monge JC; et al, J Nucl Med 1990; **31:** 187

labeling of monoclonal antibodies with radionuclides, Bhargava KK; Acharya SA, Semin Nucl Med 1989; **19:** 187

labeling of monoclonal antibodies with samarium-153 for combined radioimmunoscintigraphy and radioimmunotherapy, Boniface GR; Izard ME; Walker KZ; et al, J Nucl Med 1989; **30:** 683

localization and visualization of pulmonary emboli with radiolabeled fibrin-specific monoclonal antibody, Kanke M; Matsueda GR; Strauss HW; et al, J Nucl Med 1991; **32:** 1254

localization of Fc and Fab fragments of nonspecific polyclonal IgG at focal sites of inflammation, Fischman AJ; Rubin RH; White JA; et al, J Nucl Med 1990; **31:** 1199

localization of pulmonary human sarcoma xenografts in athymic nude mice with indium-111-labeled monoclonal antibodies, Greager JA; Chao T-C; Blend MJ; et al, J Nucl Med 1990; **31:** 1378

ME1: a monoclonal antibody that distinguishes epithelial-type malignant mesothelioma from pulmonary adenocarcinoma and extrapulmonary malignancies, (ab), O'Hara CJ; Corson JM; Pinkus GS; et al, Radiology 1990; **176:** 888

melanoma targeting with a cocktail of monoclonal antibodies to distinct determinants of the human HMW-MAA, Matzku S; Kirchgessner H; Schmid U; et al, J Nucl Med 1989; **30:** 390

metabolism of indium-111-labeled murine monoclonal antibody in tumor and normal tissue of the athymic mouse, Motta-Hennessy C; Sharkey RM; Goldenberg DM, J Nucl Med 1990; **31:** 1510

metabolism of indium chelates attached to monoclonal antibody: minimal transchelation of indium from benzyl-EDTA chelate in vivo, Deshpande SV; Subramanian R; McCall MJ; et al, J Nucl Med 1990; **31:** 218

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147

model for hematopoietic death in man from irradiation of bone marrow during radioimmunotherapy, Scott BR; Dillehay LE, Br J Radiol 1990; **63:** 862

modeling analysis of monoclonal antibody percolation through tumors: a binding-site barrier, Fujimori K; Covell DG; Fletcher JE; et al, J Nucl Med 1990; **31:** 1191

modeling of dose to tumor and normal tissue from intraperitoneal radioimmunotherapy with alpha and beta emitters, Roeske JC; Chen GTY; Atcher RW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1539

monoclonal antibodies and neuroblastoma, Miraldi F, Semin Nucl Med 1989; **19:** 282

monoclonal antibodies and thromboembolism, Grossman ZD, J Thorac Imag 1989; **4-4:** 62

monoclonal antibodies reactive with human breast or ovarian carcinoma: in vivo applications, Thor AD; Edgerton SM, Semin Nucl Med 1989; **19:** 295

monoclonal B-cells in blood in non-Hodgkin lymphoma: correlation with clinical features and prognoses, Lindh J; Johansson H; Lenner P; et al, Acta Oncol 1989; **28:** 641

myocardial distribution of indium-111-antimyosin Fab in acute inferior and right ventricular infarction: comparison with technetium-99m-pyrophosphate imaging and histologic examination, Nakata T; Sakakibara T; Noto T; et al, J Nucl Med 1991; **32:** 865

new perspectives in thrombus-specific imaging: radiolabeled monoclonal antibodies, Oster ZH; Som P, AJR 1989; **152:** 253

nonuniformity of tumor dose in radioimmunotherapy, Humm JL; Cobb LM, J Nucl Med 1990; **31:** 75

nuclear medicine. RSNA '88 meeting notes, Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM, Radiology 1989; **170:** 604

perspective of monoclonal antibodies: past, present, and future, DeLand FH, Semin Nucl Med 1989; **19:** 158

pharmacokinetic evaluation of technetium-99-metallothionein-conjugated mouse monoclonal antibody B72.3 in rhesus monkeys, Burchiel SW; Hadjian RA; Hladik WB; et al, J Nucl Med 1989; **30:** 1351

pharmacokinetics, immune response, and biodistribution of iodine-131-labeled chimeric mouse/human IgG1,k 17-1A monoclonal antibody, Meredith RF; LoBuglio AF; Plott WE; et al, J Nucl Med 1991; **32:** 1162

pharmacokinetics studies of mouse monoclonal antibodies to a rat colon carcinoma: I. comparison of biodistribution in normal rats, syngeneic tumor-bearing rats, or tumor-bearing nude mice, Laborda J; Douillard J-Y; Burg C; et al, J Nucl Med 1990; **31:** 1028

practical considerations in the production, purification, and formulation of monoclonal antibodies for immunoscintigraphy and immunotherapy, Bogard WC Jr; Dean RT; Deo Y; et al, Semin Nucl Med 1989; **19:** 202

primary lung cancer: biodistribution and dosimetry of two In-111–labeled monoclonal antibodies, Brown PH; Krishnamurthy GT; Turner FE; Denney RK; Gilbert SA; Slauson ME, Radiology 1989; **173:** 701

quantitative SPECT of uptake of monoclonal antibodies, DeNardo GL; Macey DJ; DeNardo SJ; et al, Semin Nucl Med 1989; **19:** 22

radiobiological aspects of low dose rates in radioimmunotherapy, Fowler JF, Int J Radiat Oncol Biol Phys 1990; **18:** 1261

radiobiologic studies comparing yttrium-90 irradiation and external beam irradiation *in vitro*, Wong JYC; Williams LE; Demidecki AJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 715

radioimmunodetection of chemodectoma by In-111 labeled anti-CEA antibody: case report and review of the literature, Kairemo KJA; Hopsu EVM, Clin Nucl Med 1990; **15:** 900

radioimmunodetection of degranulated human eosinophils in mice: a potential model for imaging Hodgkin's disease and other pathologic conditions, Samoszuk MK; Fang M; Anderson A-LJ, J Nucl Med 1991; **32:** 89

radioimmunoguided surgery using iodine 125 B72.3 in patients with colorectal cancer, (ab), Cohen AM; Martin EW Jr; Lavery I; et al, Radiology 1991; **180:** 883

radioimmunoimaging of lung vessels: an approach using indium-111-labeled monoclonal antibody to angiotensin-converting enzyme, Danilov SM; Martynov AV; Klibanov AL; et al, J Nucl Med 1989; **30:** 1686

radioimmunoscintigraphy of prostate cancer, Babaian RJ; Lamki LM, Semin Nucl Med 1989; **19:** 309

radioimmunoscintigraphy using iodine-131-anti-CEA monoclonal antibodies and thallium-201 scintigraphy in medullary thyroid carcinoma: a case report, Zanin DEA; van Dongen A; Hoefnagel CA; et al, J Nucl Med 1990; **31:** 1854

radioimmunotherapy for hepatocellular carcinoma (HCC) using ^{131}I-anti HCC isoferritin IgG: preliminary results of experimental and clinical studies, Kang-Da L; Zhao-You T; Yan-Ming B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 319

radio-iodinated and internally labelled (^{35}S) IgM monoclonal antibodies in a syngenic rat model, Wanying Q; Brodin T; Ceberg C; et al, Acta Oncol 1991; **30:** 379

radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ, Radiology 1990; **175:** 79

radiolabeled monoclonal antibodies in the diagnosis and treatment of malignant melanoma, Divgi CR; Larson SM, Semin Nucl Med 1989; **19:** 252

radionuclide thrombus imaging, Oster ZH; Som P, Radiology 1990; **174:** 894

radionuclide thrombus imaging: an idea whose time has come?, Grossman ZD, Radiology 1989; **173:** 22

radionuclide thrombus imaging: reply, Grossman ZD, Radiology 1990; **174:** 895

radionuclide thrombus imaging: reply, Schaible TF; Berger HJ, Radiology 1990; **174:** 895

rapid blood clearance of biotinylated IgG after infusion of avidin, Sinitsyn VV; Mamontova AG; Checkneva YY; et al, J Nucl Med 1989; **30:** 66

recent developments in the radiolabeling of antibodies with iodine, indium, and technetium, Hnatowich DJ, Semin Nucl Med 1990; **20:** 80

reduction-mediated technetium-99m labeling of monoclonal antibodies, Mather SJ; Ellison D, J Nucl Med 1990; **31:** 692

reduction of background activities by introduction of a diester linkage between antibody and a chelate in radioimmunodetection of tumor, Paik CH; Yokoyama K; Reynolds JC; et al, J Nucl Med 1989; **30:** 1693

reproducibility of image interpretation in immunoscintigraphy performed with indium-111- and iodine-131-labeled OC125 $F(ab')_2$ antibody injected into the same patients, Vuillez J-P; Peltier P; Mayer J-C; et al, J Nucl Med 1991; **32:** 221

residents essay award: alpha particle radioimmunotherapy: animal models and clinical prospects, Macklis RM; Kaplan WD; Ferrara JLM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1377

role of antimyosin antibodies in acute myocardial infarction, Johnson LL; Seldin DW, Semin Nucl Med 1989; **19:** 238

scintigraphic detection of bone and joint infections with indium-111-labeled nonspecific polyclonal human immunoglobulin G, Oyen WJG; Claessens RAMJ; van Horn JR; et al, J Nucl Med 1990; **31:** 403

sequential imaging of post-operative thrombus using the In-111-labelled platelet-specific monoclonal antibody P256, Stuttle AWJ; Klosok J; Peters AM; et al, Br J Radiol 1989; **62:** 963

sequential use of indium-111 labeled monoclonal antibodies 96.5 and ZME-018 does not increase detection sensitivity for metastatic melanoma, Frontiera M; Murray JL; Lamki L; et al, Clin Nucl Med 1989; **14:** 357

spatial distribution of parenterally administered monoclonal antibodies against CEA in a human colorectal tumour xenograft, Ahlström H; Enblad P; Andersson A; et al, Acta Oncol 1989; **28:** 81

studies concerning the effect of external irradiation on localization of radiolabeled monoclonal antibody B72.3 to human colon carcinoma xenografts, Shrivastav S; Schlom J; Raubitschek A; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 721

study of proton spin–lattice relaxation variation induced by paramagnetic antibodies, Macri MA; De Luca F; Maraviglia B; et al, Magn Res Med 1989; **11:** 283

subcutaneous injection of monoclonal antibody 96.5: biokinetics in the nude rat heterotransplanted with malignant melanoma, Ingvar C; Norrgren K; Strand S-E; et al, Acta Oncol 1990; **29:** 1047

successful imaging of malignant melanoma with technetium-99m-labeled monoclonal antibodies, Eary JF; Schroff RW; Abrams PG; et al, J Nucl Med 1989; **30:** 25

targeting and therapy of human glioma xenografts *in vivo* using radiolabeled antibodies, Williams JA; Edwards JA; Wessels BW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 633

targeting of human glioma xenografts *in vivo* utilizing radiolabeled antibodies, Williams JA; Wessels BW; Wharam MD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1367

Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ, Radiology 1989; **173:** 163

technetium-99m labeled monoclonal antibodies in the detection of metastatic melanoma, Serafini AN; Kotler J; Feun L; et al, Clin Nucl Med 1989; **14:** 580

theoretical implications and experimental and clinical results of radiolabeled antiferritin, Order SE, Acta Oncol 1990; **29:** 689

thrombus imaging: a comparison of radiolabeled GC4 and T2G1s fibrin-specific monoclonal antibodies, Rosebrough SF; McAfee JG; Grossman ZD; et al, J Nucl Med 1990; **31:** 1048

thrombus imaging with an I-123–labeled $F(ab')_2$ fragment of an anti–human fibrin monoclonal antibody in a rabbit model, Hashimoto Y; Stassen JM; Leclef B; De Roo M; Vandecruys A; Melin J; Verhoeven-Mester D; Trouet A; Collen D, Radiology 1989; **171:** 223

tumor imaging by antineuroblastoma monoclonal antibody and its application to treatment, (ab), Etoh T; Takahashi H; Maie M; et al, Radiology 1989; **171:** 592

tumour uptake of monoclonal antibody after regional intraarterial injection: biokinetics in the nude rat heterotransplanted with malignant melanoma, Ingvar C; Norrgren K; Strand S-E; et al, Acta Oncol 1991; **30:** 65

update on radiopharmaceuticals for medical imaging, McAfee JG, Radiology 1989; **171:** 593

uptake of indium-111 in the liver of mice following administration of indium-111-DTPA-labeled monoclonal antibodies: influence of labeling parameters, physiologic parameters, and antibody dose, Schuhmacher J; Klivényi G; Matys R; et al, J Nucl Med 1990; **31:** 1084

use of isothiocyanatobenzyl-DTPA derivatized monoclonal antimyosin Fab for enhanced in vivo target localization, Khaw BA; Gansow O; Brechbiel MW; et al, J Nucl Med 1990; **31:** 211

variables influencing tumor uptake of anti-melanoma monoclonal antibodies radioiodinated using para-iodobenzoyl (PIB) conjugate, Murray JL; Mujoo K; Wilmanns C; et al, J Nucl Med 1991; **32:** 279

^{90}Y-B72.3 against pancreatic cancer: dosimetric and biological analysis, Mehta MP; Kubsad SS; Fowler JF; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 627

yttrium-90-labeled monoclonal antibody for therapy: labeling by a new macrocyclic bifunctional chelating agent, Deshpande SV; DeNardo SJ; Kukis DL; et al, J Nucl Med 1990; **31:** 473

Mononucleosis, infectious

magnetic resonance imaging of the chest in infectious mononucleosis, Goddard P; Kinsella D; Duncan AW; et al, Br J Radiol 1990; **63:** 138

Monooctanoin

chemical dissolution of gallstones: in vitro studies, Oldershaw JH; Epstein NF; Potter JE; Clouse ME, Radiology 1989; **172:** 987

Morison pouch

neonatal necrotizing enterocolitis: air in Morison pouch, Brill PW; Olson SR; Winchester P, Radiology 1990; **174:** 469

Morphine

morphine-augmented cholescintigraphy: its efficacy in detecting acute colecystitis, Fink-Bennett D; Balon HR; Robbins T; et al, J Nucl Med 1991; **32:** 1231

morphine-augmented hepatobiliary scintigraphy in the severely ill: caution is in order, Fig LM; Wahl RL; Stewart RE; Shapiro B, Radiology 1990; **175:** 467

two false-negative results using morphine sulfate in hepatobiliary imaging, Mack JM; Slavin JD; Spencer RP, Clin Nucl Med 1989; **14:** 87

Morton neuroma

See Neuroma

Mouth, CT

CT scanning in patients following surgery on the tongue and floor of mouth, Cooke J; Morrison G; Keyserlingk J; et al, Clin Radiol 1990; **41:** 306

normal CT anatomy of the tonque, floor of mouth and oropharynx, Stutley J; Cooke J; Parsons C, Clin Radiol 1989; **40:** 248

Mouth, cysts

MR imaging of intralingual ranula in a child, Silverstein MI; Castillo M; Hudgins PA; et al, JCAT 1990; **14:** 672

Mouth, MR

evaluation of functional positions of tongue and soft palate with MR imaging: initial clinical results, Wein BB; Drobnitzky M; Klajman S; Angerstein W, JMRI 1991; **1:** 381

facial surface coil for MR imaging, Hyde JS; Jesmanowicz A; Kneeland JB; Daniels DL; McGivney GP, Radiology 1990; **174:** 276

MR imaging of intralingual ranula in a child, Silverstein MI; Castillo M; Hudgins PA; et al, JCAT 1990; **14:** 672

MR imaging of the vocal tract during vowel production, Lakshminarayanan AV; Lee S; McCutcheon MJ, JMRI 1991; **1:** 71

MR-imaging with Gd-DTPA in carcinomas of tongue, oro- and hypopharynx, Einspieler R; Ebner F; Posawetz W; et al, Eur J Radiol 1991; **13:** 21

MRI of the floor of the mouth, tongue and orohypopharynx, Kassel EE; Keller MA; Kucharczyk W, Radiol Clin North Am 1989; **27:** 331

Mouth, neoplasms

CT scanning in patients following surgery on the tongue and floor of mouth, Cooke J; Morrison G; Keyserlingk J; et al, Clin Radiol 1990; **41:** 306

dental problems following surgery and external radiation therapy in patients with advanced carcinomas of the oral cavity and oropharynx, Levendag PC; Vikram B; Wright R; et al, Acta Oncol 1989; **28:** 550

evaluation of treatment results of squamous cell carcinoma of the buccal mucosa, Pop LAM; Eijkenboom WMH; de Boer MF; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 483

giant epignathus with intracranial teratoma in a newborn infant, Ang AT; Ho NK; Ong CL, Australas Radiol 1990; **34:** 358

iridium-192 curietherapy for T1 and T2 epidermoid carcinomas of the floor of mouth, Mazeron JJ; Grimard L; Raynal M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1299

prenatal ultrasound detection of congenital gingival granular cell tumor, Hulett RL; Bowerman RA; Marks T; et al, J Ultrasound Med 1991; **10:** 185

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

squamous cell carcinoma of the oral cavity: an unselected material from a 5-year period, Lindeløv B; Kirkegaard J; Hansen HS, Acta Oncol 1990; **29:** 1011

surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607

Mouth, therapeutic radiology

combined modality treatment of advanced cancers of the oral cavity and oropharynx, Dobrowsky W; Dobrowsky E; Strassl H; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 239

dental problems following surgery and external radiation therapy in patients with advanced carcinomas of the oral cavity and oropharynx, Levendag PC; Vikram B; Wright R; et al, Acta Oncol 1989; **28:** 550

dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx: tumor dose-response and repopulation, Maciejewski B; Withers HR; Taylor JMG; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 831

evaluation of treatment results of squamous cell carcinoma of the buccal mucosa, Pop LAM; Eijkenboom WMH; de Boer MF; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 483

iridium-192 curietherapy for T1 and T2 epidermoid carcinomas of the floor of mouth, Mazeron JJ; Grimard L; Raynal M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1299

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

prospective randomized trial comparing hyperfractionated versus conventional radiotherapy in stages III and IV oropharyngeal carcinoma, Pinto LHJ; Canary PCV; Araújo CMM; et al, Int J Radiat Oncol Biol Phys 1991; **2**[illegible] 557

Mucocele

case report: rectal mucocoele following Hartmann's procedure, Creagh MF; Chan TYK, Clin Radiol 1991; **43:** 358

congenital nasolacrimal mucoceles: CT evaluation, Rand PK; Ball WS Jr; Kulwin DR, Radiology 1989; **173:** 691

échographie transpérinéale des masses présacrées, Chhem RK; Groleau S; Bui BT, J Canad Assoc Radiol 1989; **40:** 304

general case of the day, Robinson KE; Fosket CD; Fraccola PJ, Radiographics 1990; **10:** 732

laryngeal mucocele: imaging analysis of a rare lesion, Swartz JD; D'Angelo AJ Jr; Harnsberger HR; et al, Clin Imag 1990; **14:** 110

mucoceles of the sphenoidal sinus: report of six cases and review of the literature, Barat J-L; Marchal JC; Bracard S; et al, J Neuroradiol 1990; **17:** 135

pelvic mucocele following colostomy: CT and ultrasound findings, Roshkow JE; Ng CC, JCAT 1990; **14:** 1022

spontaneous drainage of an ethmoidal mucocele: a possible cause of pneumosinus dilatans, Benedikt RA; Brown DC; Roth MK; et al, AJNR 1991; **12:** 729

"unusual" MRI appearance of sphenoid sinus mucocele, Ruelle A; Pisani R; Andrioli G, Neuroradiol 1991; **33:** 352

use of gadolinium-enhanced MR imaging for differentiating mucoceles from neoplasms in the paranasal sinuses, Lanzieri CF; Shah M; Krauss D; Lavertu P, Radiology 1991; **178:** 425

Mucormycosis
MR findings in rhinocerebral mucormycosis, Yousem DM; Galetta SL; Gusnard DA; et al, JCAT 1989; **13:** 878
rhinocerebral mucormycosis: a case report with magnetic resonance imaging findings, McDevitt GR Jr; Brantley MJ; Cawthon MA, Clin Imag 1989; **13:** 317
Multiple sclerosis
See Sclerosis, multiple
Muscles
See also Soft tissues
acute rhabdomyolysis: evaluation with magnetic resonance imaging compared with computed tomography and ultrasonography, Lamminen AE; Hekali PE; Tiula E; et al, Br J Radiol 1989; **62:** 326
demonstration of CT hyperdensity in patients with acute renal failure associated with rhabdomyolysis, Russ PD; Dillingham M, JCAT 1991; **15:** 458
myocutaneous flap failure: early detection with Gd-DTPA–enhanced MR imaging, Varnell RM; Flint PW; Dalley RW; Maravilla KR; Cummings CW; Shuman WP, Radiology 1989; **173:** 755
psoas muscle calcification and acute renal failure associated with nontraumatic rhabdomyolysis: CT features, Towers MJ; Downey DB; Poon PY, JCAT 1990; **14:** 1027
rhabdomyolysis detected by bone imaging, Sanders JA, Clin Nucl Med 1989; **14:** 431
Muscles, abnormalities
carcinoma mimicked by the sternal insertion of the pectoral muscle, Britton CA; Baratz AB; Harris KM, AJR 1989; **153:** 955
differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ, Radiology 1991; **179:** 653
difficulties in the prenatal diagnosis of myotubular myopathy by ultrasonography, Katz VL; Callanan NP; Kirkman HN, JCU 1989; **17:** 685
imaging findings in a patient with pentazocine-induced myopathy, De Schepper AMA; Degryse HRM, AJR 1990; **154:** 343
isolated popliteal vein entrapment, Nelson MC; Teitelbaum GP; Matsumoto AH; et al, Cardiovasc Intervent Radiol 1989; **12:** 301
MR imaging of accessory soleus muscle, Ekstrom JE; Shuman WP; Mack LA, JCAT 1990; **14:** 239
Muscles, abscess
acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA, Radiology 1990; **174:** 233
differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ, Radiology 1991; **179:** 653
iliopsoas abscess: an unusual complication of femoral artery catheterization, Loveday EJ; Tonge KA; du Peloux Menage HG, Br J Radiol 1990; **63:** 224
inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Shaffer PB; Chandnani VP; Beltran J, Radiology 1991; **178:** 582
inappropriate use of a χ^2 test in modality comparison study of related samples, Mann FA; Hildebolt CF, Radiology 1991; **178:** 582
percutaneous drainage of abscess in psoas compartment and epidural space: case report and review of the literature, Cwikiel W, Acta Radiol 1991; **32:** 159
rapidly progressive pyomyositis: diagnosis by repeat sonography, Quillin SP; McAlister WH, J Ultrasound Med 1991; **10:** 181
spontaneous disappearance of tuberculous psoas abscess calcification, Whitaker SC; Preston BJ; McKim-Thomas H, Br J Radiol 1990; **63:** 303
Muscles, CT
acute rhabdomyolysis: evaluation with magnetic resonance imaging compared with computed tomography and ultrasonography, Lamminen AE; Hekali PE; Tiula E; et al, Br J Radiol 1989; **62:** 326
comparison of CT and MR imaging in musculoskeletal neoplasms, Tehranzadeh J; Mnaymneh W; Ghavam C; et al, JCAT 1989; **13:** 466
computed tomography of musculoskeletal trauma, Dalinka MK; Boorstein JM; Zlatkin MB, Radiol Clin North Am 1989; **27:** 933
electrically-stimulated muscle hypertrophy in paraplegia: assessment by quantitative CT, Block JE; Steinbach LS; Friedlander AL; et al, JCAT 1989; **13:** 852
focal myositis, a benign inflammatory pseudotumour: CT appearances, Moskovic E; Fisher C; Westbury G; et al, Br J Radiol 1991; **64:** 489
imaging of musculoskeletal trauma in three dimensions: an integrated two-dimensional/three-dimensional approach with computed tomography, Magid D; Fishman EK, Radiol Clin North Am 1989; **27:** 945
pediatric case of the day, Hanna SL; Magill HL; Brooks MT; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 945
Muscles, diseases
dermatomyositis: correlative MR imaging and P-31 MR spectroscopy for quantitative characterization of inflammatory disease, Park JH; Vansant JP; Kumar NG; Gibbs SJ; Curvin MS; Price RR; Partain CL; James AE Jr, Radiology 1990; **177:** 473
Duchenne muscular dystrophy carriers: proton spin-lattice relaxation times of skeletal muscles on magnetic resonance imaging, Matsumura K; Nakano I; Fukuda N; et al, Neuroradiol 1989; **31:** 373
exercise-induced muscle modifications: study of healthy subjects and patients with metabolic myopathies with MR imaging and P-31 spectroscopy, de Kerviler E; Leroy-Willig A; Jehenson P; Duboc D; Eymard B; Syrota A, Radiology 1991; **181:** 259
human leg neuromuscular diseases: P-31 MR spectroscopy, Bárány M; Siegel IM; Venkatasubramanian PN; Mok E; Wilbur AC, Radiology 1989; **172:** 503
inflammatory myopathies: MR imaging and spectroscopy, Fraser DD; Frank JA; Dalakas MC, Radiology 1991; **179:** 341
inflammatory myopathies: MR imaging and spectroscopy: reply, Park JH; Gibbs SJ; Price RR; Partain CL; James AE Jr, Radiology 1991; **179:** 343
magnetic resonance imaging of primary skeletal muscle diseases: patterns of distribution and severity of involvement, Lamminen AE, Br J Radiol 1990; **63:** 946
magnetic resonance of diseased skeletal muscle: combined T_1 measurement and chemical shift imaging, Lamminen AE; Tanttu JI; Sepponen RE; et al, Br J Radiol 1990; **63:** 591
MR imaging of myopathy, Kuriyama M; Hayakawa K; Konishi Y; et al, Comput Med Imag Graph 1989; **13:** 329
muscular sarcoidosis: findings at MR imaging, Otake S; Banno T; Ohba S; Noda M; Yamamoto M, Radiology 1990; **176:** 145
neuromuscular diseases: evaluation with high-frequency sonography, Dock W; Happak W; Grabenwöger F; Toifl K; Bittner R; Gruber H, Radiology 1990; **177:** 825
value of ultrasound for the diagnosis of malignant hyperthermia, von Rohden L; Steinbicker V; Krebs P; et al, J Ultrasound Med 1990; **9:** 291
Muscles, fibrosis
case report 605, Sirinelli D; Oudjhane K; Khouri N, Skeletal Radiol 1990; **19:** 221
sternocleidomastoid fibrosis in congenital muscular torticollis: MR appearance, Whyte AM; Lufkin RB; Bredenkamp J; et al, JCAT 1989; **13:** 163
Muscles, hypertrophy
electrically-stimulated muscle hypertrophy in paraplegia: assessment by quantitative CT, Block JE; Steinbach LS; Friedlander AL; et al, JCAT 1989; **13:** 852
proton magnetic resonance spectroscopic studies of hypertrophied muscle: effect of botulinum toxin treatment, Narayana PA; Slopis JM; Jackson EF; et al, Invest Radiol 1991; **26:** 58
Muscles, iliopsoas
iliopsoas abscess: an unusual complication of femoral artery catheterization, Loveday EJ; Tonge KA; du Peloux Menage HG, Br J Radiol 1990; **63:** 224
Muscles, inflammation
See Myositis
Muscles, injuries
computed tomography of musculoskeletal trauma, Dalinka MK; Boorstein JM; Zlatkin MB, Radiol Clin North Am 1989; **27:** 933
conventional tomography in musculoskeletal trauma, Ho CP; Sartoris DJ; Resnick D, Radiol Clin North Am 1989; **27:** 929
diagnostic imaging evaluation of the postoperative patient following musculoskeletal trauma, Weissman BN; Reilly DT, Radiol Clin North Am 1989; **27:** 1035
exertional muscle injury: evaluation of concentric versus eccentric actions with serial MR imaging, Shellock FG; Fukunaga T; Mink JH; Edgerton VR, Radiology 1991; **179:** 659
imaging of musculoskeletal trauma in three dimensions: an integrated two-dimensional/three-dimensional approach with computed tomography, Magid D; Fishman EK, Radiol Clin North Am 1989; **27:** 945
magnetic resonance imaging of muscle tears, De Smet AA; Fisher DR; Heiner JP; et al, Skeletal Radiol 1990; **19:** 283
magnetic resonance imaging of musculoskeletal injuries, Deutsch AL; Mink JH, Radiol Clin North Am 1989; **27:** 983
scintigraphic demonstration of pectineus muscle avulsion injury, Rockett JF; Freeman BL III, Clin Nucl Med 1990; **15:** 800
scintigraphic techniques in musculoskeletal trauma, McDougall IR; Rieser RP, Radiol Clin North Am 1989; **27:** 1003
sports-related muscle injuries: evaluation with MR imaging, Fleckenstein JL; Weatherall PT; Parkey RW; Payne JA; Peshock RM, Radiology 1989; **172:** 793
Muscles, ischemia
myocutaneous flap failure: early detection with Gd-DTPA–enhanced MR imaging, Varnell RM; Flint PW; Dalley RW; Maravilla KR; Cummings CW; Shuman WP, Radiology 1989; **173:** 755
Muscles, MR
acute effects of exercise on MR imaging of skeletal muscle: concentric vs eccentric actions, Shellock FG; Fukunaga T; Mink JH; et al, AJR 1991; **156:** 765
acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT, Chandnani VP; Beltran J; Morris CS; Khalil SN; Mueller CF; Burk JM; Bennett WF; Shaffer PB; Vasila MS; Reese J; Ridgeway JA, Radiology 1990; **174:** 233
acute rhabdomyolysis: evaluation with magnetic resonance imaging compared with computed tomography and ultrasonography, Lamminen AE; Hekali PE; Tiula E; et al, Br J Radiol 1989; **62:** 326
comparison of CT and MR imaging in musculoskeletal neoplasms, Tehranzadeh J; Mnaymneh W; Ghavam C; et al, JCAT 1989; **13:** 466
correlation of lactate and pH in human skeletal muscle after exercise by ^{1}H NMR, Pan JW; Hamm JR; Hetherington HP; et al, Magn Res Med 1991; **20:** 57
dermatomyositis: correlative MR imaging and P-31 MR spectroscopy for quantitative characterization of inflammatory disease, Park JH; Vansant JP; Kumar NG; Gibbs SJ; Curvin MS; Price RR; Partain CL; James AE Jr, Radiology 1990; **177:** 473
differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ, Radiology 1991; **179:** 653
direct relationship between proton T2 and exercise intensity in skeletal muscle MR images, Fisher MJ; Meyer RA; Adams GR; et al, Invest Radiol 1990; **25:** 480
discriminant factor analysis of ^{31}P NMR spectroscopic data in myopathies, Morvan D; Jehenson P; Duboc D; et al, Magn Res Med 1990; **13:** 216
Duchenne muscular dystrophy carriers: proton spin-lattice relaxation times of skeletal muscles on magnetic resonance imaging, Matsumura K; Nakano I; Fukuda N; et al, Neuroradiol 1989; **31:** 373
exercise-enhanced MR imaging of variations in forearm muscle anatomy and use: importance in MR spectroscopy, Fleckenstein JL; Bertocci LA; Nunnally RL; et al, AJR 1989; **153:** 693

exercise-induced muscle modifications: study of healthy subjects and patients with metabolic myopathies with MR imaging and P-31 spectroscopy, de Kerviler E; Leroy-Willig A; Jehenson P; Duboc D; Eymard B; Syrota A, Radiology 1991; **181:** 259

exertional muscle injury: evaluation of concentric versus eccentric actions with serial MR imaging, Shellock FG; Fukunaga T; Mink JH; Edgerton VR, Radiology 1991; **179:** 659

histologic basis for increased extraocular muscle enhancement in gadolinium-enhanced MR imaging, Kaissar G; Kim JH; Bravo S; Sze G, Radiology 1991; **179:** 541

^{1}H MR imaging of anatomical compartments within the finger flexor muscles of the human forearm, Jeneson JAL; Taylor JS; Vigneron DB; et al, Magn Res Med 1990; **15:** 491

human leg neuromuscular diseases: P-31 MR spectroscopy, Bárány M; Siegel IM; Venkatasubramanian PN; Mok E; Wilbur AC, Radiology 1989; **172:** 503

inappropriate use of a χ^2 test in modality comparison study of related samples: reply, Shaffer PB; Chandnani VP; Beltran J, Radiology 1991; **178:** 582

inappropriate use of a χ^2 test in modality comparison study of related samples, Mann FA; Hildebolt CF, Radiology 1991; **178:** 582

inflammatory myopathies: MR imaging and spectroscopy, Fraser DD; Frank JA; Dalakas MC, Radiology 1991; **179:** 341

inflammatory myopathies: MR imaging and spectroscopy: reply, Park JH; Gibbs SJ; Price RR; Partain CL; James AE Jr, Radiology 1991; **179:** 343

intramuscular myxoma: MR features, Kransdorf MJ; Moser RP Jr; Jelinek JS; et al, JCAT 1989; **13:** 836

investigations of muscle bioenergetics with ^{31}P NMR, Baker AJ; Carson PJ; Miller RG; et al, Invest Radiol 1989; **24:** 1001

in vivo functioning of creatine phosphokinase in human forearm muscle, studied by ^{13}P NMR saturation transfer, Rees D; Smith MB; Harley J; et al, Magn Res Med 1989; **9:** 39

in vivo localized proton spectroscopic studies of human gastrocnemius muscle, Narayana PA; Jackson EF; Hazle JD; et al, Magn Res Med 1989; **12:** 259

in vivo MRS measurement of deoxymyoglobin in human forearms, Wang Z; Noyszewski EA; Leigh JS Jr; et al, Magn Res Med 1990; **14:** 562

localized proton NMR spectroscopy using stimulated echoes: applications to human skeletal muscle *in vivo*, Bruhn H; Frahm J; Gyngell ML; et al, Magn Res Med 1991; **17:** 82

magnetic resonance imaging appearance of the muscles in childhood dermatomyositis, (ab), Hernandez RJ; Keim DR; Sullivan DB; et al, Radiology 1991; **180:** 296

magnetic resonance imaging of muscle tears, De Smet AA; Fisher DR; Heiner JP; et al, Skeletal Radiol 1990; **19:** 283

magnetic resonance imaging of musculoskeletal injuries, Deutsch AL; Mink JH, Radiol Clin North Am 1989; **27:** 983

magnetic resonance imaging of primary skeletal muscle diseases: patterns of distribution and severity of involvement, Lamminen AE, Br J Radiol 1990; **63:** 946

magnetic resonance of diseased skeletal muscle: combined T_1 measurement and chemical shift imaging, Lamminen AE; Tanttu JI; Sepponen RE; et al, Br J Radiol 1990; **63:** 591

magnetization transfer contrast: method for improving contrast in gradient-recalled-echo images, Wolff SD; Eng J; Balaban RS, Radiology 1991; **179:** 133

MR imaging of accessory soleus muscle, Ekstrom JE; Shuman WP; Mack LA, JCAT 1990; **14:** 239

MR imaging of acute transverse myelitis and AIDS myelopathy, Barakos JA; Mark AS; Dillon WP; et al, JCAT 1990; **14:** 45

MR imaging of AIDS myelitis, Shabas D; Gerard G; Cunha B; et al, AJNR 1989; **10:** S51

MR imaging of muscles of mastication, Schellhas KP, AJNR 1989; **10:** 829

MR imaging of myopathy, Kuriyama M; Hayakawa K; Konishi Y; et al, Comput Med Imag Graph 1989; **13:** 329

MRI of myositis ossificans circumscripta, Ehara S; Nakasato T; Tamakawa Y; et al, Clin Imag 1991; **15:** 130

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

muscle activity localization with ^{31}P spectroscopy and calculated T2-weighted ^{1}H images, Weidman ER; Charles HC; Negro-Vilar R; et al, Invest Radiol 1991; **26:** 309

muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, Hanna SL; Fletcher BD; Parham DM; Bugg MF, JMRI 1991; **1:** 441

muscular sarcoidosis: findings at MR imaging, Otake S; Banno T; Ohba S; Noda M; Yamamoto M, Radiology 1990; **176:** 145

musculoskeletal neoplasms: fast low-angle shot MR imaging with and without Gd-DTPA, Erlemann R; Vassallo P; Bongartz G; Müller-Miny H; Rummeny E; Stöber U; Peters PE, Radiology 1990; **176:** 489

myocutaneous flap failure: early detection with Gd-DTPA–enhanced MR imaging, Varnell RM; Flint PW; Dalley RW; Maravilla KR; Cummings CW; Shuman WP, Radiology 1989; **173:** 755

pediatric case of the day, Hanna SL; Magill HL; Brooks MT; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 945

polyclonal human immunoglubulin G labeled with polymeric iron oxide: antibody MR imaging, Weissleder R; Lee AS; Fischman AJ; Reimer P; Shen T; Wilkinson R; Callahan RJ; Brady TJ, Radiology 1991; **181:** 245

proton magnetic resonance spectroscopic studies of hypertrophied muscle: effect of botulinum toxin treatment, Narayana PA; Slopis JM; Jackson EF; et al, Invest Radiol 1991; **26:** 58

quantitative and qualitative fat analysis in human leg muscle of neuromuscular diseases by ^{1}H MR spectroscopy *in vivo*, Bárány M; Venkatasubramanian PN; Mok E; et al, Magn Res Med 1989; **10:** 210

radiologic appearance of intramuscular hemangioma with emphasis on MR imaging, Buetow PC; Kransdorf MJ; Moser RP Jr; et al, AJR 1990; **154:** 563

rapidly progressive pyomyositis: diagnosis by repeat sonography, Quillin SP; McAlister WH, J Ultrasound Med 1991; **10:** 181

recent advances in magnetic resonance imaging of musculoskeletal tumours, Munk PL, J Canad Assoc Radiol 1991; **42:** 39

sports-related muscle injuries: evaluation with MR imaging, Fleckenstein JL; Weatherall PT; Parkey RW; Payne JA; Peshock RM, Radiology 1989; **172:** 793

sternocleidomastoid fibrosis in congenital muscular torticollis: MR appearance, Whyte AM; Lufkin RB; Bredenkamp J; et al, JCAT 1989; **13:** 163

Muscles, neoplasms

case report 612, Knowles MC; Magid D; Fishman EK; et al, Skeletal Radiol 1990; **19:** 299

comparison of CT and MR imaging in musculoskeletal neoplasms, Tehranzadeh J; Mnaymneh W; Ghavam C; et al, JCAT 1989; **13:** 466

CT of malignant melanoma in the chest, abdomen, and musculoskeletal system, Fishman EK; Kuhlman JE; Schuchter LM; Miller JA III; Magid D, Radiographics 1990; **10:** 603

intramuscular myxoma: MR features, Kransdorf MJ; Moser RP Jr; Jelinek JS; et al, JCAT 1989; **13:** 836

malignant psoas syndrome: recognition of an oncologic entity, Stevens MJ; Gonet YM, Australas Radiol 1990; **34:** 150

muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, Hanna SL; Fletcher BD; Parham DM; Bugg MF, JMRI 1991; **1:** 441

musculoskeletal neoplasms after intraarterial chemotherapy: correlation of MR images with pathologic specimens, Sanchez RB; Quinn SF; Walling A; Estrada J; Greenberg H, Radiology 1990; **174:** 237

musculoskeletal neoplasms: fast low-angle shot MR imaging with and without Gd-DTPA, Erlemann R; Vassallo P; Bongartz G; Müller-Miny H; Rummeny E; Stöber U; Peters PE, Radiology 1990; **176:** 489

noninvasive grading of musculoskeletal tumors using PET, Adler LP; Blair HF; Makley JT; et al, J Nucl Med 1991; **32:** 1508

paravertebral muscle metastases from primary tongue and nasopharyngeal carcinomas, Elkowitz SS; Patel M; Hirschfield LS, Clin Radiol 1991; **43:** 400

primary extranodal lymphoma in muscle, Scally J; Garrett A, Br J Radiol 1989; **62:** 81

recent advances in magnetic resonance imaging of musculoskeletal tumours, Munk PL, J Canad Assoc Radiol 1991; **42:** 39

role of imaging in musculoskeletal tumors, Manaster BJ; Ensign MF, Semin US CT MR 1989; **10:** 498

sternocleidomastoid tumor of infancy: CT manifestations, Norton KI; Shugar JMA; Som PM; et al, JCAT 1991; **15:** 158

Muscles, psoas

case report 612, Knowles MC; Magid D; Fishman FK; et al, Skeletal Radiol 1990; **19:** 299

malignant psoas syndrome: recognition of an oncologic entity, Stevens MJ; Gonet YM, Australas Radiol 1990; **34:** 150

percutaneous drainage of abscess in psoas compartment and epidural space: case report and review of the literature, Cwikiel W, Acta Radiol 1991; **32:** 159

spontaneous disappearance of tuberculous psoas abscess calcification, Whitaker SC; Preston BJ; McKim-Thomas H, Br J Radiol 1990; **63:** 303

Muscles, radionuclide studies

diagnosis of traumatic myositis of the intrinsic muscles of the hand by the use of three-phase skeletal scintigraphy, Maurer AH; Paczolt EA; Myers AR, Clin Nucl Med 1990; **15:** 535

incidental rectus abdominis muscle visualization during bone scanning, Rivera-Luna H; Spiegler EJ, Clin Nucl Med 1991; **16:** 523

intense muscle uptake of Ga-67 citrate and Tc-99m MDP in a patient with aplastic anemia, Batte WG Jr; Yeh SDJ; Rosenblum MK; et al, Clin Nucl Med 1991; **16:** 421

isolated muscular sarcoidosis causing fever of unknown origin: the value of gallium-67 imaging, Patel N; Krasnow AZ; Sebastian JL; et al, J Nucl Med 1991; **32:** 319

noninvasive grading of musculoskeletal tumors using PET, Adler LP; Blair HF; Makley JT; et al, J Nucl Med 1991; **32:** 1508

pectoralis muscle uptake of thallium-201 after arm exercise ergometry: possible confusion with lung thallium-201 activity, Campeau RJ; Garcia OM; Correa OA; et al, Clin Nucl Med 1990; **15:** 303

quantification of leg muscle perfusion using thallium-201 single photon emission computed tomography, Oshima M; Akanabe H; Sakuma S; et al, J Nucl Med 1989; **30:** 458

rhabdomyolysis detected by bone imaging, Sanders JA, Clin Nucl Med 1989; **14:** 431

scintigraphic demonstration of pectineus muscle avulsion injury, Rockett JF; Freeman BL III, Clin Nucl Med 1990; **15:** 800

scintigraphic techniques in musculoskeletal trauma, McDougall IR; Rieser RP, Radiol Clin North Am 1989; **27:** 1003

Tc-99m pyrophosphate localization in chest wall muscles after bench pressing, Williamson MR; Archibeque F; Eisenberg B; et al, Clin Nucl Med 1989; **14:** 546

tropical pyomyositis: demonstration of extent and distribution of disease by gallium scintigraphy, Schiff RG; Silver L, Clin Nucl Med 1990; **15:** 542

Muscles, US

acute rhabdomyolysis: evaluation with magnetic resonance imaging compared with computed tomography and ultrasonography, Lamminen AE; Hekali PE; Tiula E; et al, Br J Radiol 1989; **62:** 326

difficulties in the prenatal diagnosis of myotubular myopathy by ultrasonography, Katz VL; Callanan NP; Kirkman HN, JCU 1989; **17:** 685

neuromuscular diseases: evaluation with high-frequency sonography, Dock W; Happak W; Grabenwöger F; Toifl K; Bittner R; Gruber H, Radiology 1990; **177:** 825

sonographic appearances of hemangiomas of skeletal muscle, Derchi LE; Balconi G; De Flaviis L; et al, J Ultrasound Med 1989; **8:** 263

sonography of the musculoskeletal system, Kaplan PA; Matamoros A Jr; Anderson JC, AJR 1990; **155:** 237

US location of the adductor canal hiatus: morphologic study, Scholten FG; Mali WPTM; Hillen B; van Leeuwen MS, Radiology 1989; **172:** 75

value of ultrasound for the diagnosis of malignant hyperthermia, von Rohden L; Steinbicker V; Krebs P; et al, J Ultrasound Med 1990; **9:** 291

Myasthenia gravis

imaging in myasthenia gravis, Moore NR, Clin Radiol 1989; **40:** 115

radiological diagnosis of thymoma in myasthenia gravis (MG): review of a series of 523 surgically controlled patients, Juliani G, Clin Imag 1990; **14:** 48

recurrent thymoma in patients with myasthenia gravis, (ab), Ohmi M; Ohuchi M, Radiology 1991; **179:** 292

Mycobacteria

case report 653, Whitaker MD; Jelinek JS; Kransdorf MJ; et al, Skeletal Radiol 1991; **20:** 291

case report 687, Kwong JS; Munk PL; Connell DG; et al, Skeletal Radiol 1991; **20:** 458

case report: Sandblaster's lung with mycobacterial infection, (ab), Owens MW; Kinasewitz GT; Gonzalez E, Radiology 1989; **170:** 901

case report: sandblaster's lung with mycobacterial infection, (ab), Owens MW; Kinasewitz GT; Gonzalez E, Radiology 1989; **173:** 883

changing epidemiology of tuberculosis and other mycobacterial infections in the United States: implications for the radiologist, Buckner CB; Leithiser RE; Walker CW; et al, AJR 1991; **156:** 255

comparative yield of blood culture for fungi and mycobacteria, liver biopsy, and bone marrow biopsy in the diagnosis of fever of undetermined origin in human immunodeficiency virus-infected patients, (ab), Prego V; Glatt AE; Roy V; et al, Radiology 1990; **176:** 592

differential diagnosis of bacterial myositis in AIDS: evaluation with MR imaging, Fleckenstein JL; Burns DK; Murphy FK; Jayson HT; Bonte FJ, Radiology 1991; **179:** 653

epidemiology of disseminated nontuberculous mycobacterial infection in the acquired immunodeficiency syndrome (AIDS), (ab), Horsburgh CR Jr; Selik RM, Radiology 1989; **172:** 888

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

intraabdominal *Mycobacterium tuberculosis* vs *Mycobacterium avium-intracellulare* infections in patients with AIDS: distinction based on CT findings, Radin DR, AJR 1991; **156:** 487

mycobacterial esophagitis in AIDS, Goodman P; Pinero SS; Rance RM; et al, Gastrointest Radiol 1989; **14:** 103

mycobacterium avium complex infection presenting as endobronchial lesions in immunosuppressed patients, (ab), Packer SJ; Cesario T; Williams JH Jr, Radiology 1989; **171:** 292

Mycobacterium fortuitum lung abscess: resolution with prolonged trimethoprim/sulfamethoxazole therapy, (ab), Pacht ER, Radiology 1991; **178:** 291

pathology and pathophysiology of mycobacterial infections, Haque AK, J Thorac Imag 1990; **5-2:** 8

pulmonary disease caused by nontuberculous mycobacteria, Woodring JH; Vandiviere HM, J Thorac Imag 1990; **5-2:** 64

roentgenographic features of pulmonary disease caused by atypical mycobacteria, (ab), Woodring JH; Vandiviere HM; Melvin IG; et al, Radiology 1989; **170:** 288

Mycosis fungoides

combined total body x-ray irradiation and total skin electron beam radiotherapy with an improved technique for mycosis fungoides, Halberg FE; Fu KK; Weaver KA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 427

total skin electron arc irradiation using a reclined patient position, Gerbi BJ; Khan FM; Deibel FC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 397

Myelin

adult and neonatal human brain: diffusional anisotropy and myelination with diffusion-weighted MR imaging, Sakuma H; Nomura Y; Takeda K; Tagami T; Nakagawa T; Tamagawa Y; Ishii Y; Tsukamoto T, Radiology 1991; **180:** 229

Myelography

See also Meninges; Spinal cord; Spine

adult myelography with iohexol, Belanger JG; Blair IG; Elder AM; et al, J Canad Assoc Radiol 1990; **41:** 191

aseptic meningitis complicating iotrolan myelography, Nakakoshi T; Moriwaka F; Tashiro K; et al, AJNR 1991; **12:** 173

coaxial needle technique for lumbar puncture in the morbidly obese patient, Johnson JC; Deeb ZL, Radiology 1991; **179:** 874

comparing the cost of spinal MR with conventional myelography and radiculography, du Boulay GH; Hawkes S; Lee C-C; et al, Neuroradiol 1990; **32:** 124

comparison of myelography and computed tomography in establishing lumbar disc herniation, Fagerlund MK; Thelander UE, Acta Radiol 1989; **30:** 241

comparison of myelography, CT myelography and magnetic resonance imaging in cervical spondylosis and disk herniation: pre- and postoperative findings, Larsson E-M; Holtås S; Cronqvist S; et al, Acta Radiol 1989; **30:** 233

CT and myelogram findings of os odontoideum, Teng MMH; Shoung H-M; Chang C-Y; et al, Comput Med Imag Graph 1989; **13:** 179

CT myelography of a fragment of a lumbar disk sequestered posterior to the thecal sac, Lutz JD; Smith RR; Jones HM, AJNR 1990; **11:** 610

degenerative disease of the lumbar spine: role of CT-myelography in the MR era, Goldberg AL; Soo MSC; Deeb ZL; et al, Clin Imag 1991; **15:** 47

injected air mimicking leptomeningeal metastases on lumbar myelography: CT diagnosis, Harter SB; Elster AD, JCAT 1989; **13:** 923

lumbar myelography with iohexol in outpatients: prospective multicenter evaluation of safety, Wang H; Binet EF; Gabrielsen TO; Rosenbaum AE, Radiology 1989; **173:** 239

myelography in patients with acquired immuno deficiency syndrome: indications and results, Borgstein B-J; Koster PA; Portegies P; et al, Neuroradiol 1989; **31:** 326

occult thoracic intradural extramedullary spinal canal lesions discovered by extending cervical and lumbar myelography, Martin DS; Awwad EE, Clin Imag 1990; **14:** 106

outpatient myelography: an acceptable and cost-effective technique, Choudhri AH; Rowlands PC; Barber CJ; et al, Br J Radiol 1989; **62:** 253

outpatient myelography with iohexol and iopamidol; pilot study and contrast trial, Waugh JR; Sacharias N, Australas Radiol 1989; **33:** 56

post-myelogram headache—physiological or psychological?, Lee T; Maynard N; Anslow P; et al, Neuroradiol 1991; **33:** 155

prolapsed thoracic intervertebral disc: the importance of CT assisted myelography, Bury RW; Powell T, Clin Radiol 1989; **40:** 416

radiographic anatomy of the distal dural sac: a myelographic investigation of dimensions and termination, Larsen JL; Olsen KO, Acta Radiol 1991; **32:** 214

spinal cord compression due to metastatic disease: diagnosis with MR imaging versus myelography, Carmody RF; Yang PJ; Seeley GW; Seeger JF; Unger EC; Johnson JE, Radiology 1989; **173:** 225

Myelography, complications

cervical myelography, Skalpe IO, Radiology 1990; **177:** 590

cervical myelography: reply, Robertson HJ; Smith RD, Radiology 1990; **177:** 590

cervical myelography: survey of modes of practice and major complications, Robertson HJ; Smith RD, Radiology 1990; **174:** 79

fatal complications after myelography with meglumine diatrizoate, Hilz MJ; Huk W; Schellmann B; et al, Neuroradiol 1990; **32:** 70

post-myelogram headache—physiological or psychological?, Lee T; Maynard N; Anslow P; et al, Neuroradiol 1991; **33:** 155

post-myelographic meningeal irritation with iohexol, Alexiou J; Deloffre D; Vandresse J-H; et al, Neuroradiol 1991; **33:** 85

sex and age related differences in postmyelographic adverse reactions: a prospective study of 1765 myelographies, Maly P, Neuroradiol 1989; **31:** 331

side effects after ambulatory lumbar iohexol myelography, Sand T; Myhr G; Stovner LJ; et al, Neuroradiol 1989; **31:** 49

side effects after lumbar iohexol myelography: relation to radiological diagnosis, sex and age, Sand T; Myhr G; Stovner LJ; et al, Neuroradiol 1990; **31:** 523

which factors affect reported headache incidences after lumbar myelography?: a statistical analysis of publications in the literature, Sand T, Neuroradiol 1989; **31:** 55

Myelography, contrast media

electrolyte changes in rabbit cerebrospinal fluid during experimental myelography, Morris TW; Ekholm SE; Prentice LI, Invest Radiol 1990; **25:** S111

iotrol, iodixanol, and 2-deoxy-D-glucose effects on neural tissue CO_2 production, Morris TW; Ekholm SE; Prentice LI; et al, AJNR 1989; **10:** 1123

neurotoxicity of iohexol vs iopamidol in lumbar myelography: clinical, electrophysiological and brain CT scan correlations, Floras P; Deliac P; Gross C; et al, J Neuroradiol 1990; **17:** 190

outpatient myelography with iohexol and iopamidol; pilot study and contrast trial, Waugh JR; Sacharias N, Australas Radiol 1989; **33:** 56

Myelography, in infants and children

nerve root avulsion of birth palsy: comparison of myelography with CT myelography and somatosensory evoked potential, Hashimoto T; Mitomo M; Hirabuki N; Miura T; Kawai R; Nakamura H; Kawai H; Ono K; Kozuka T, Radiology 1991; **178:** 841

single-puncture myelographic evaluation of epidural block in the young infant, Weinberger E; Brewer DK; Mercker JM, Pediatr Radiol 1989; **19:** 223

Myelography, technology

outpatient myelography: an acceptable and cost-effective technique, Choudhri AH; Rowlands PC; Barber CJ; et al, Br J Radiol 1989; **62:** 253

outpatient myelography with fine-needle technique: an appraisal, Vezina JL; Fontaine S; Laperrière J, AJNR 1989; **10:** 615

Myelolipoma

adrenal myelolipoma, Palmer WE; Gerard-McFarland EL; Chew FS, AJR 1991; **156:** 724

adrenal myelolipomas: CT appearance with tiny amounts of fat and punctate calcification, Rofsky NM; Bosniak MA; Megibow AJ; et al, Urol Radiol 1989; **11:** 148

computed tomography of myelolipoma in the accessory adrenal gland, Kageyama T; Doke Y; Takahashi M; et al, Urol Radiol 1989; **11:** 153

MR imaging of adrenal myelolipomas, Musante F; Derchi LE; Bazzocchi M; et al, JCAT 1991; **15:** 111

myelolipoma: radiologic findings in seven patients, Asch MR; Poon PY; McCallum RW; et al, J Canad Assoc Radiol 1989; **40:** 247

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 927

Myeloma

case report 572, Brandon C; Martel W; Weatherbee L; et al, Skeletal Radiol 1989; **18:** 542

case report 621, Hermann G; Abdelwahab IF; Berson BD; et al, Skeletal Radiol 1990; **19:** 379

multiple myeloma: an update on diagnosis and management, Kyle RA, Acta Oncol 1990; **29:** 1

oral versus intravenous melphalan and prednisone treatment in multiple myeloma stage II: a randomized study from the Myeloma Group of Central Sweden, Osterborg A; Ahre A; Björkholm M; et al, Acta Oncol 1990; **29:** 727

pentavalent technetium-99m-DMSA uptake in a patient having multiple myeloma without amyloidosis, Ohnishi T; Noguchi S; Murakami N; et al, J Nucl Med 1991; **32:** 1785

prognosis of asymptomatic multiple myeloma, (ab), Alexanian R; Barlogie B; Dixon D, Radiology 1989; **170:** 903

upper humeral cortical thickness as an indicator of osteopenia: diagnostic significance in solitary myeloma of bone, Jackson A; Scarffe JH, Skeletal Radiol 1991; **20:** 363

Myocarditis

echocardiography in acute myocarditis associated with left ventricular thrombus formation and systemic embolization, Van Dam J; Basilico FC; Nesto RW, J Ultrasound Med 1990; **9:** 599

Ga-67 citrate myocardial uptake in a patient with AIDS, toxoplasmosis, and myocarditis, Memel DS; DeRogatis AJ; William DC, Clin Nucl Med 1991; **16:** 315

indium-111 leukocyte scintigraphic detection of myocardial abscess formation in patients with endocarditis, Cerqueira MD; Jacobson AF, J Nucl Med 1989; **30:** 703

myocarditis simulating myocardial infarction, Narula J; Southern JF; Abraham S; et al, J Nucl Med 1991; **32:** 312

quantitative texture analysis in echocardiography: application to the diagnosis of myocarditis, Ferdeghini EM; Pinamonti B; Picano E; et al, JCU 1991; **19:** 263

Myocardium

See also Heart

Myocardium, abnormalities

effect of thallium-201 blood levels on reversible myocardial defects, Nelson CW; Wilson RA; Angello DA; et al, J Nucl Med 1989; **30:** 1172

noncompaction of ventricular myocardium: CT appearance, Conces DJ Jr; Ryan T; Tarver RD, AJR 1991; **156:** 717

Myocardium, blood supply

assessment of myocardial perfusion in patients after the arterial switch operation, Vogel M; Smallhorn JF; Gilday D; et al, J Nucl Med 1991; **32:** 237

metabolic fate of [^{13}N]ammonia in human and canine blood, Rosenspire KC; Schwaiger M; Mangner TJ; et al, J Nucl Med 1990; **31:** 163

myocardial uptake of carbon-11-acetate as an indirect estimate of regional myocardial blood flow, Gropler RJ; Siegel BA; Geltman EM, J Nucl Med 1991; **32:** 245

quantitation of myocardial blood flow with $H_2{}^{15}O$ and positron emission tomography: assessment and error analysis of a mathematical approach, Herrero P; Markham J; Bergmann SR, JCAT 1989; **13:** 862

simultaneous in vitro and in vivo validation of nitrogen-13-ammonia for the assessment of regional myocardial blood flow, Bellina CR; Parodi O; Camici P; et al, J Nucl Med 1990; **31:** 1335

use of the metabolic tracer carbon-11-acetate for evaluation of regional myocardial perfusion, Chan SY; Brunken RC; Phelps ME; et al, J Nucl Med 1991; **32:** 665

Myocardium, calcification

myocardial calcification and cardiac dysfunction in chronic renal failure, (ab), Rostand SG; Sanders C; Kir KAA; et al, Radiology 1989; **172:** 293

Myocardium, CT

diagnosis of a myocardial lipoma by using CT, Conces DJ Jr; Vix VA; Tarver RD, AJR 1989; **153:** 725

Myocardium, infarction

acute myocardial infarction: comparison of T2-weighted and T1-weighted gadolinium-DTPA enhanced MR imaging, Matheijssen NAA; de Roos A; van der Wall EE; et al, Magn Res Med 1991; **17:** 460

acute, subacute, and chronic myocardial infarction: quantitative analysis of gadolinium-enhanced MR images, van Dijkman PRM; van der Wall EE; de Roos A; Matheijssen NAA; van Rossum AC; Doornbos J; van der Laarse A; van Voorthuisen AE; Bruschke AVG, Radiology 1991; **180:** 147

assessment of myocardial viability with SPECT and PET imaging, Cerqueira MD; Jacobson AF, AJR 1989; **153:** 477

comparison between heparin and low-dose aspirin as adjunctive therapy with tissue plasminogen activator for acute myocardial infarction, (ab), Hsia J; Hamilton WP; Kleiman N; et al, JVIR 1991; **2:** 294

comparison of 2-^{18}F-2-deoxyglucose and 15-(ortho-^{123}I-phenyl)-pentadecanoic acid uptake in persisting defects on thallium-201 tomography in myocardial infarction, Henrich MM; Vester E; von der Lohe E; et al, J Nucl Med 1991; **32:** 1353

comparison of contrast angiography and two-dimensional echocardiography for the evaluation of left ventricular regional wall motion abnormalities after acute myocardial infarction, (ab), Lundgren C; Bourdillon PDV; Dillon JC; et al, Radiology 1991; **178:** 294

cost-benefit analysis of early return to work after uncomplicated acute myocardial infarction, (ab), Picard MH; Dennis C; Schwartz RG; et al, Radiology 1990; **174:** 588

CT patterns of intracranial hemorrhage complicating thrombolytic therapy for acute myocardial infarction, Uglietta JP; O'Connor CM; Boyko OB; Aldrich H; Massey EW; Heinz ER, Radiology 1991; **181:** 555

demarcation of myocardial ischemia: magnetic susceptibility effect of contrast medium in MR imaging, Saeed M; Wendland MF; Tomei E; Rocklage SM; Quay SC; Moseley ME; Wolfe C; Higgins CB, Radiology 1989; **173:** 763

detection and quantification of recent myocardial infarction: diagnostic value of multiecho multislice spin echo imaging, Kastler B; Germain P; Roul G; et al, Comput Med Imag Graph 1991; **15:** 101

detection, characterization and functional assessment of reperfused Q-wave acute myocardial infarction by cine magnetic resonance imaging, (ab), Meese RB; Spritzer CE; Negro-Vilar R; et al, Radiology 1991; **178:** 293

early scintigraphic detection of experimental myocardial infarction in dogs with technetium-99m-glucaric acid, Orlandi C; Crane PD; Edwards DS; et al, J Nucl Med 1991; **32:** 263

effects of beta-adrenergic blockade in acute myocardial infarction: evaluation by radionuclide ventriculography, Kronenberg MW; Beard JT; Stein SM; et al, J Nucl Med 1990; **31:** 557

emergency percutaneous cardiopulmonary bypass support in cardiogenic shock from acute myocardial infarction, (ab), Shawl FA; Domanski MJ; Hernandez TJ; et al, Radiology 1990; **175:** 886

emergency percutaneous transluminal coronary angioplasty during acute myocardial infarction for patients more than 70 years of age, (ab), Holland KJ; O'Neill WW; Bates ER; et al, Radiology 1989; **173:** 587

evaluation of residual myocardial viability in a patient with acute myocardial infarction, Yasuda T; Abraham SA; Pieri P; et al, J Nucl Med 1990; **31:** 225

imaging of acute myocardial infarction in pigs with indium-111 monoclonal antimyosin scintigraphy and MRI, Ten Kate CI; van Kroonenburgh MJPG; Schipperheyn JJ; et al, Invest Radiol 1990; **25:** 806

improved detection of healed myocardial infarction by Fourier amplitude and phase imaging in two projections: validation with MRI, Akins EW; Brateman LF; Williams CM; Mietling SW; Franco EA, Radiographics 1989; **9:** 323

indium-111-antimyosin antibody imaging for detecting different stages of myocardial infarction: comparison with technetium-99m-pyrophosphate imaging, Tamaki N; Yamada T; Matsumori A; et al, J Nucl Med 1990; **31:** 136

indium-111-antimyosin images compared with triphenyl tetrazolium chloride staining in a patient six days after myocardial infarction, Jain D; Crawley JC; Lahiri A; et al, J Nucl Med 1990; **31:** 231

intervention in acute myocardial infarction, Stark KS; Green CE, Radiol Clin North Am 1989; **27:** 1205

magnetic resonance imaging of acute myocardial infarction in pigs using Gd-DTPA, Wikström M; Martinussen HJ; Wikström G; et al, Acta Radiol 1990; **31:** 619

myocardial infarction: assessment with an intravascular MR contrast medium. work in progress, Saeed M; Wendland MF; Masui T; Connolly AJ; Derugin N; Brasch RC; Higgins CB, Radiology 1991; **180:** 153

myocardial infarct size after reperfusion therapy: assessment with Gd-DTPA–enchanced MR imaging, de Roos A; Matheijssen NAA; Doornbos J; van Dijkman PRM; van Voorthuisen AE; van der Wall EE, Radiology 1990; **176:** 517

myocardial scintigraphy with Tc-99m TBI in a 6-month-old infant with myocardial infarction after Mustard operation, Sandrock D; Franke U-C; Herborn G; et al, Clin Nucl Med 1989; **14:** 381

myocardial uptake of indium-111-labeled antimyosin in acute subendocardial infarction: clinical, histochemical, and autoradiographic correlation of myocardial necrosis, Hendel RC; McSherry BA; Leppo JA, J Nucl Med 1990; **31:** 1851

noninvasive estimation of regional myocardial oxygen consumption by positron emission tomography with carbon-11 acetate in patients with myocardial infarction, Walsh MN; Geltman EM; Brown MA; et al, J Nucl Med 1989; **30:** 1798

nuclear magnetic resonance imaging of acute myocardial infarction within 24 hours of chest pain onset, (ab), Johnston DL; Mulvagh SL; Cashion RW; et al, Radiology 1990; **174:** 901

occlusive and reperfused myocardial infarcts: MR imaging differentiation with nonionic Gd-DTPA-BMA, Masui T; Saeed M; Wendland MF; Higgins CB, Radiology 1991; **181:** 77

paramagnetic pyrophosphate: preliminary studies on magnetic resonance contrast enhancement of acute myocardial infarction, Maurer AH; Knight LC; Siegel JA; et al, Invest Radiol 1990; **25:** 153

pericarditis in acute myocardial infarction: characterization and clinical significance, (ab), Tofler GH; Muller JE; Stone PH; et al, Radiology 1989; **173:** 586

postoperative myocardial infarction and cardiac death: predictive value of dipyridamole-thallium imaging and five clinical scoring systems based on multifactorial analysis, (ab), Lette J; Waters D; Lassonde J; et al, Radiology 1990; **176:** 884

presentation and late outcome of myocardial infarction in the absence of angiographically significant coronary artery disease, (ab), Pecora MJ; Roubin GS; Cobbs BW Jr; et al, Radiology 1989; **171:** 884

reperfused and nonreperfused myocardial infarction: diagnostic potential of Gd-DTPA–enhanced MR imaging, de Roos A; van Rossum AC; van der Wall EE; Postema S; Doornbos J; Matheijssen NAA; van Dijkman PRM; Visser FC; van Voorthuisen AE, Radiology 1989; **172:** 717

reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G, Radiology 1989; **172:** 53

reversible and irreversible injury in the reperfused myocardium: differentiation with contrast material–enhanced MR imaging, Saeed M; Wendland MF; Takehara Y; Higgins CB, Radiology 1990; **175:** 633

role of antimyosin antibodies in acute myocardial infarction, Johnson LL; Seldin DW, Semin Nucl Med 1989; **19:** 238

role of previous angina pectoris and collateral flow to preserve left ventricular function in the presence or absence of myocardial infarction in isolated total occlusion of the left anterior descending coronary artery, (ab), Juillière Y; Danchin N; Grentzinger A; et al, Radiology 1990; **177:** 293

serial assessment of myocardial infarction by using gated MR imaging and Gd-DTPA, Nishimura T; Kobayashi H; Ohara Y; et al, AJR 1989; **153:** 715

serial changes in myocardial perfusion using tomographic technetium-99m-hexakis-2-methoxy-2-methylpropyl-isonitrile imaging following reperfusion therapy of myocardial infarction, Pellikka PA; Behrenbeck T; Verani MS; et al, J Nucl Med 1990; **31:** 1269

severity of coronary artery disease among blacks with acute myocardial infarction, (ab), Cooper R; Castaner A; Campo A; et al, Radiology 1989; **173:** 885

success of acute thrombolytic therapy in acute myocardial infarction: what does it demand from cardiac imaging in the 1990s?, Higgins CB, Radiology 1989; **172:** 17

technetium 99m sestamibi in the assessment of acute myocardial infarction, Gibbons RJ, Semin Nucl Med 1991; **21:** 213

tissue characterization of chronic myocardial infarction, Scholz TD; Vandenberg BF; Fleagle SR; et al, Invest Radiol 1990; **25:** 1120

urokinase plus heparin versus aspirin in unstable angina and non-Q-wave myocardial infarction, (ab), Schreiber TL; Macina G; McNulty A; et al, Radiology 1990; **175:** 885

value of gadolinium-diethylene-triamine pentaacetic acid dynamics in magnetic resonance imaging of acute myocardial infarction with occluded and reperfused coronary arteries after thrombolysis, (ab), Van Rossum AC; Visser FC; Van Eenige MJ; et al, Radiology 1990; **177:** 597

value of magnetic resonance imaging in patients with a recent myocardial infarction: comparison with planar thallium-201 scintigraphy, Krauss XH; van der Wall EE; Doornbos J; et al, Cardiovasc Intervent Radiol 1989; **12:** 119

Myocardium, inflammation

See Myocarditis

Myocardium, ischemia

acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

caffeine reduces dipyridamole-induced myocardial ischemia, Smits P; Aengevaeren WRM; Corstens FHM; et al, J Nucl Med 1989; **30:** 1723

comparison of dipyridamole-echocardiography with dipyridamole-thallium scintigraphy for the diagnosis of myocardial ischemia, Perin EC; Moore W; Blume M; et al, Clin Nucl Med 1991; **16:** 417

effect of coronary occlusion and myocardial viability on myocardial activity of technetium-99m-sestamibi, Freeman I; Grunwald AM; Hoory S; et al, J Nucl Med 1991; **32:** 292

effect of regional myocardial ischemia on sympathetic nervous system as assessed by fluorine-18-metaraminol, Schwaiger M; Guibourg H; Rosenspire K; et al, J Nucl Med 1990; **31:** 1352

effect of repetitive brief episodes of cardiac ischemia on ^{31}P magnetic resonance spectroscopy in the cat, Holt WW; Wendland MF; Derugin N; et al, Magn Res Med 1990; **15:** 70

enhanced binding of the hypoxic cell marker [^{3}H]fluoromisonidazole in ischemic myocardium, Martin GV; Caldwell JH; Rasey JS; et al, J Nucl Med 1989; **30:** 194

epicardial and endocardial localized ^{31}P magnetic resonance spectroscopy: evidence for metabolic heterogeneity during regional ischemia, Gober JR; Schaefer S; Camacho SA; et al, Magn Res Med 1990; **13:** 204

high precision Compton backscatter maps of myocardial wall dynamics: theory and applications, McInerney JJ; Copenhaver GL; Herr MD; et al, Invest Radiol 1989; **24:** 654

imaging of cocaine-induced global and regional myocardial ischemia, Oster ZH; Som P; Wang G-J; et al, J Nucl Med 1991; **32:** 1569

influence of global ischemia on intracellular sodium in the perfused rat heart, Malloy CR; Buster DC; Castro MMCA; et al, Magn Res Med 1990; **15:** 33

limited correlation of left ventricular end-diastolic pressure with radiographic assessment of pulmonary hemodynamics, Herman PG; Khan A; Kallman CE; Rojas KA; Carmody DP; Bodenheimer MM, Radiology 1990; **174:** 721

localization of myocardial ischaemia with technetium-99m methoxy isobutyl isonitrile and single photon emission computed tomography, West DJ; Najm YC; Mistry R; et al, Br J Radiol 1989; **62:** 303

magnetic resonance imaging of acute myocardial ischemia using a manganese chelate, Mn-DPDP, Pomeroy OH; Wendland M; Wagner S; et al, Invest Radiol 1989; **24:** 531

model of acute regional myocardial ischemia and reperfusion in the rat, Sievers RE; Schmiedl U; Wolfe CL; et al, Magn Res Med 1989; **10:** 172

myocardial kinetics of fluorine-18 misonidazole: a marker of hypoxic myocardium, Shelton ME; Dence CS; Hwang D-R; et al, J Nucl Med 1989; **30:** 351

myocardial ultrasonic backscatter for characterization of ischemia and reperfusion: relationship to wall motion, Barzilai B; Vered Z; Mohr GA; et al, Ultrasound Med Biol 1990; **16:** 391

PET detection of viable tissue in myocardial segments with persistent defects at Tl-201 SPECT, Brunken RC; Kottou S; Nienaber CA; Schwaiger M; Ratib OM; Phelps ME; Schelbert HR, Radiology 1989; **172:** 65

pharmacological stress with adenosine for myocardial perfusion imaging, Verani MS, Semin Nucl Med 1991; **21:** 266

prognostic significance of silent myocardial ischemia detected by early treadmill exercise after coronary angioplasty, (ab), Deligonul U; Vandormael MG; Younis LT; et al, Radiology 1990; **174:** 901

reduction of myocardial ischemia during percutaneous transluminal coronary angioplasty with oxygenated fluosol, (ab), Kent KM; Cleman MW; Cowley MJ; et al, Radiology 1991; **178:** 590

regional wall thickening of left ventricle evaluated by gated positron emission tomography in relation to myocardial perfusion and glucose metabolism, Yamashita K; Tamaki N; Yonekura Y; et al, J Nucl Med 1991; **32:** 679

relative contributions of myocardial wall thickness and ischemia to ultrasonic myocardial integrated backscatter during experimental ischemia, Rijsterborgh H; Mastik F; Lancée CT; et al, Ultrasound Med Biol 1991; **17:** 41

reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G, Radiology 1989; **172:** 53

shift-reagent–aided ^{23}Na NMR spectroscopy, Elgavish GA, Invest Radiol 1989; **24:** 1028

simultaneous cardiac mechanics and phosphorus-31 NMR spectroscopy during global myocardial ischemia and reperfusion in the intact dog, Miller DD; Salinas F; Walsh RA, Magn Res Med 1991; **17:** 41

success of acute thrombolytic therapy in acute myocardial infarction: what does it demand from cardiac imaging in the 1990s?, Higgins CB, Radiology 1989; **172:** 17

transient mitral regurgitation: an adjunctive sign of myocardial ischemia during dipyridamole-thallium imaging, Lette J; Gagnon A; Lapointe J; et al, J Nucl Med 1989; **30:** 1271

transmural metabolite distribution in regional myocardial ischemia as studied with ^{31}P NMR, Robitaille P-M; Lew B; Merkle H; et al, Magn Res Med 1989; **10:** 108

usefulness of percutaneous transluminal coronary angioplasty in alleviating silent myocardial ischemia in patients with absent or minimal painful myocardial ischemia, (ab), Stone GW; Spaude S; Ligon RW; et al, Radiology 1990; **175:** 292

Myocardium, MR

acute myocardial infarction: comparison of T2-weighted and T1-weighted gadolinium-DTPA enhanced MR imaging, Matheijssen NAA; de Roos A; van der Wall EE; et al, Magn Res Med 1991; **17:** 460

acute myocardial ischemia and reperfusion: MR imaging with albumin–Gd-DTPA, Schmiedl U; Sievers RE; Brasch RC; Wolfe CL; Chew WM; Ogan MD; Engeseth H; Lipton MJ; Moseley ME, Radiology 1989; **170:** 351

acute, subacute, and chronic myocardial infarction: quantitative analysis of gadolinium-enhanced MR images, van Dijkman PRM; van der Wall EE; de Roos A; Matheijssen NAA; van Rossum AC; Doornbos J; van der Laarse A; van Voorthuisen AE; Bruschke AVG, Radiology 1991; **180:** 147

cardiovascular MR imaging with iron oxide particles: utility of a superparamagnetic contrast agent and the role of diffusion in signal loss, Rozenman Y; Zou X; Kantor HL, Radiology 1990; **175:** 655

contrast-enhanced magnetic resonance imaging of hypoperfused myocardium, Schaefer S; Lange RA; Gutekunst DP; et al, Invest Radiol 1991; **26:** 551

demarcation of myocardial ischemia: magnetic susceptibility effect of contrast medium in MR imaging, Saeed M; Wendland MF; Tomei E; Rocklage SM; Quay SC; Moseley ME; Wolfe C; Higgins CB, Radiology 1989; **173:** 763

detection and quantification of recent myocardial infarction: diagnostic value of multiecho multislice spin echo imaging, Kastler B; Germain P; Roul G; et al, Comput Med Imag Graph 1991; **15:** 101

detection, characterization and functional assessment of reperfused Q-wave acute myocardial infarction by cine magnetic resonance imaging, (ab), Meese RB; Spritzer CE; Negro-Vilar R; et al, Radiology 1991; **178:** 293

differentiation of tumor from viable myocardium using cardiac tagging with MR imaging, Bouton S; Yang A; McCrindle BW; et al, JCAT 1991; **15:** 676

effect of repetitive brief episodes of cardiac ischemia on ^{31}P magnetic resonance spectroscopy in the cat, Holt WW; Wendland MF; Derugin N; et al, Magn Res Med 1990; **15:** 70

epicardial and endocardial localized ^{31}P magnetic resonance spectroscopy: evidence for metabolic heterogeneity during regional ischemia, Gober JR; Schaefer S; Camacho SA; et al, Magn Res Med 1990; **13:** 204

factors in myocardial "perfusion" imaging with ultrafast MRI and Gd-DTPA administration, Burstein D; Taratuta E; Manning WJ, Magn Res Med 1991; **20:** 299

gated cardiac MR imaging and P-31 MR spectroscopy in humans at 1.5 T: work in progress, Grist TM; Kneeland JB; Rilling WR; Jesmanowicz A; Froncisz W; Hyde JS, Radiology 1989; **170:** 357

heart wall motion: improved method of spatial modulation of magnetization for MR imaging, Axel L; Dougherty L, Radiology 1989; **172:** 349

imaging of acute myocardial infarction in pigs with indium-111 monoclonal antimyosin scintigraphy and MRI, Ten Kate CI; van Kroonenburgh MJPG; Schipperheyn JJ; et al, Invest Radiol 1990; **25:** 806

influence of global ischemia on intracellular sodium in the perfused rat heart, Malloy CR; Buster DC; Castro MMCA; et al, Magn Res Med 1990; **15:** 33

in vitro NMR characterization of mammalian myocardium: effect of specimen integrity on relaxation times, Scholz TD; Fleagle SR; Skorton DJ, Magn Res Med 1989; **11:** 367

magnetic resonance contrast media for myocardial imaging, Higgins CB; Saeed M; Wendland MF, Invest Radiol 1990; **25:** S74

magnetic resonance imaging of acute myocardial infarction in pigs using Gd-DTPA, Wikström M; Martinussen HJ; Wikström G; et al, Acta Radiol 1990; **31:** 619

magnetic resonance imaging of acute myocardial ischemia using a manganese chelate, Mn-DPDP, Pomeroy OH; Wendland M; Wagner S; et al, Invest Radiol 1989; **24:** 531

method for measuring three-dimensional motion with tagged MR imaging, Pipe JG; Boes JL; Chenevert TL, Radiology 1991; **181:** 591

model of acute regional myocardial ischemia and reperfusion in the rat, Sievers RE; Schmiedl U; Wolfe CL; et al, Magn Res Med 1989; **10:** 172

MRI detection of myocardial perfusion changes by gadolinium-DTPA infusion . during dipyridamole hyperemia, Miller DD; Holmvang G; Gill JB; et al, Magn Res Med 1989; **10:** 246

myocardial collagen concentration and nuclear magnetic resonance relaxation times in the spontaneously hypertensive rat, Grover-McKay M; Scholz TD; Burns TL; et al, Invest Radiol 1991; **26:** 227

myocardial creatine kinase exchange rates and ^{31}P NMR relaxation rates in intact pigs, Martin JF; Guth BD; Griffey RH; et al, Magn Res Med 1989; **11:** 64

myocardial infarction: assessment with an intravascular MR contrast medium. work in progress, Saeed M; Wendland MF; Masui T; Connolly AJ; Derugin N; Brasch RC; Higgins CB, Radiology 1991; **180:** 153

myocardial infarct size after reperfusion therapy: assessment with Gd-DTPA–enchanced MR imaging, de Roos A; Matheijssen NAA; Doornbos J; van Dijkman PRM; van Voorthuisen AE; van der Wall EE, Radiology 1990; **176:** 517

myocardial tagging in polar coordinates with use of striped tags, Bolster BD Jr; McVeigh ER; Zerhouni EA, Radiology 1990; **177:** 769

NMR characteristics of "visible" intracellular myocardial potassium in perfused rat hearts, Burstein D; Litt HI; Fossel ET, Magn Res Med 1989; **9:** 66

NMR determination of myocardial pH *in vivo*: separation of tissue inorganic phosphate from blood 2,3-DPG, Zahler R; Majumdar S; Frederick B; et al, Magn Res Med 1991; **17:** 368

NMR spectroscopic assessment of altered myocardial lipid metabolism, Evanochko WT, Invest Radiol 1989; **24:** 973

normal and diffusely abnormal myocardium in humans: functional and metabolic characterization with P-31 MR spectroscopy and cine MR imaging, Auffermann W; Chew WM; Wolfe CL; Tavares NJ; Parmley WW; Semelka RC; Donnelly T; Chatterjee K; Higgins CB, Radiology 1991; **179:** 253

nuclear magnetic resonance imaging of acute myocardial infarction within 24 hours of chest pain onset, (ab), Johnston DL; Mulvagh SL; Cashion RW; et al, Radiology 1990; **174:** 901

occlusive and reperfused myocardial infarcts: MR imaging differentiation with nonionic Gd-DTPA-BMA, Masui T; Saeed M; Wendland MF; Higgins CB, Radiology 1991; **181:** 77

paramagnetic pyrophosphate: preliminary studies on magnetic resonance contrast enhancement of acute myocardial infarction, Maurer AH; Knight LC; Siegel JA; et al, Invest Radiol 1990; **25:** 153

^{31}P MRS of myocardial inorganic phosphate using radiofrequency gradient echoes, Gober JR; Schwartz GG; Schaefer S; et al, Magn Res Med 1991; **20:** 171

reperfused and nonreperfused myocardial infarction: diagnostic potential of Gd-DTPA–enhanced MR imaging, de Roos A; van Rossum AC; van der Wall EE; Postema S; Doornbos J; Matheijssen NAA; van Dijkman PRM; Visser FC; van Voorthuisen AE, Radiology 1989; **172:** 717

reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Quint R; Clarke G, Radiology 1989; **172:** 53

reversible and irreversible injury in the reperfused myocardium: differentiation with contrast material–enhanced MR imaging, Saeed M; Wendland MF; Takehara Y; Higgins CB, Radiology 1990; **175:** 633

serial assessment of myocardial infarction by using gated MR imaging and Gd-DTPA, Nishimura T; Kobayashi H; Ohara Y; et al, AJR 1989; **153:** 715

shift-reagent–aided ^{23}Na NMR spectroscopy, Elgavish GA, Invest Radiol 1989; **24:** 1028

simultaneous cardiac mechanics and phosphorus-31 NMR spectroscopy during global myocardial ischemia and reperfusion in the intact dog, Miller DD; Salinas F; Walsh RA, Magn Res Med 1991; **17:** 41

success of acute thrombolytic therapy in acute myocardial infarction: what does it demand from cardiac imaging in the 1990s?, Higgins CB, Radiology 1989; **172:** 17

transmural high energy phosphate distribution and response to alterations in workload in the normal canine myocardium as studied with spatially localized ^{31}P NMR spectroscopy, Robitaille P-M; Merkle H; Lew B; et al, Magn Res Med 1990; **16:** 91

transmural metabolite distribution in regional myocardial ischemia as studied with ^{31}P NMR, Robitaille P-M; Lew B; Merkle H; et al, Magn Res Med 1989; **10:** 108

value of gadolinium-diethylene-triamine pentaacetic acid dynamics in magnetic resonance imaging of acute myocardial infarction with occluded and reperfused coronary arteries after thrombolysis, (ab), Van Rossum AC; Visser FC; Van Eenige MJ; et al, Radiology 1990; **177:** 597

value of magnetic resonance imaging in patients with a recent myocardial infarction: comparison with planar thallium-201 scintigraphy, Krauss XH; van der Wall EE; Doornbos J; et al, Cardiovasc Intervent Radiol 1989; **12:** 119

variability of myocardial signal on magnetic resonance images, De Roos A; Kundel HL; Joseph PM; et al, Invest Radiol 1990; **25:** 1024

visualization of altered myocardial lipids by ^{1}H NMR chemical-shift imaging following ischemic insult, Bouchard A; Doyle M; Wolkowicz PE; et al, Magn Res Med 1991; **17:** 379

Myocardium, radionuclide studies

assessment of myocardial damage in dilated-phase hypertrophic cardiomyopathy by using indium-111-antimyosin Fab myocardial scintigraphy, Nishimura T; Nagata S; Uehara T; et al, J Nucl Med 1991; **32:** 1333

assessment of myocardial oxidative metabolic reserve with positron emission tomography and carbon-11 acetate, Henes CG; Bergmann SR; Walsh MN; et al, J Nucl Med 1989; **30:** 1489

assessment of myocardial perfusion in patients after the arterial switch operation, Vogel M; Smallhorn JF; Gilday D; et al, J Nucl Med 1991; **32:** 237

assessment of myocardial viability with SPECT and PET imaging, Cerqueira MD; Jacobson AF, AJR 1989; **153:** 477

caffeine reduces dipyridamole-induced myocardial ischemia, Smits P; Aengevaeren WRM; Corstens FHM; et al, J Nucl Med 1989; **30:** 1723

cardiac imaging with technetium 99m-labeled isonitriles, Sinusas AJ; Beller GA; Watson DD, J Thorac Imag 1990; **5-3:** 20

cardiac positron emission tomography: the foundations and clinical applications, Chan SY; Brunken RC; Buxton DB, J Thorac Imag 1990; **5-3:** 9

cationic complexes of technetium for myocardial imaging, Gerundini P; Maffioli L, J Nucl Med 1989; **30:** 1415

comparative myocardial extraction of two technetium-labeled BATO derivatives (SQ30217, SQ32014) and thallium, Leppo JA; Meerdink DJ, J Nucl Med 1990; **31:** 67

comparative myocardial uptake characteristics of hexakis (alkylisonitrile) technetium(I) complexes: effect of lipophilicity, Piwnica-Worms D; Kronauge JF; Holman BL; et al, Invest Radiol 1989; **24:** 25

comparison between 180° and 360° data collection in technetium-99m MIBI SPECT of the myocardium, Maublant JC; Peycelon P; Kwiatkowski F; et al, J Nucl Med 1989; **30:** 295

comparison of 2-^{18}F-2-deoxyglucose and 15-(ortho-^{123}I-phenyl)-pentadecanoic acid uptake in persisting defects on thallium-201 tomography in myocardial infarction, Henrich MM; Vester E; von der Lohe E; et al, J Nucl Med 1991; **32:** 1353

comparison of dipyridamole-echocardiography with dipyridamole-thallium scintigraphy for the diagnosis of myocardial ischemia, Perin EC; Moore W; Blume M; et al, Clin Nucl Med 1991; **16:** 417

comparison of hypoxia of ouabain effects on the myocardial uptake kinetics of technetium-99m hexakis 2-methoxyisobutyl isonitrile and thallium-201, Meerdink DJ; Leppo JA, J Nucl Med 1989; **30:** 1500

comparison of myocardial imaging with iodine-123-iodophenyl-9-methyl pentadecanoic acid and thallium-201-chloride for assessment of patients with exercise-induced myocardial ischemia, Chouraqui P; Maddahi J; Henkin R; et al, J Nucl Med 1991; **32:** 447

comparison of technetium-99m MIBI and thallium-201 chloride myocardial scintigraphy in infants, Flynn BM; Wernovsky G; Summerville DA; et al, J Nucl Med 1989; **30:** 1176

detection of myocardial viability with positron emission tomography in a patient with ischemic cardiomyopathy, Weiss D; Eisen HJ; Alavi A, J Nucl Med 1991; **32:** 130

determination of regional myocardial perfusion by x-ray fluorescence, Palmer BM; McInerney JJ, Invest Radiol 1990; **25:** 486

dipyridamole perfusion scintigraphy, Botvinick EH; Dae MW, Semin Nucl Med 1991; **21:** 242

dual tracer autoradiographic study with thallium-201 and radioiodinated fatty acid in cardiomyopathic hamsters, Kurata C; Kobayashi A; Yamazaki N, J Nucl Med 1989; **30:** 80

dynamic acquisition with a three-headed SPECT system: application to technetum 99m-SQ30217 myocardial imaging, Nakajima K; Taki J; Bunko H; et al, J Nucl Med 1991; **32:** 1273

early scintigraphic detection of experimental myocardial infarction in dogs with technetium-99m-glucaric acid, Orlandi C; Crane PD; Edwards DS; et al, J Nucl Med 1991; **32:** 263

effect of coronary occlusion and myocardial viability on myocardial activity of technetium-99m-sestamibi, Freeman I; Grunwald AM; Hoory S; et al, J Nucl Med 1991; **32:** 292

effect of glucose on the distribution of iodine-123-IHA-16 between esterification and oxidation in canine myocardium, Arvieux CC; Fagret D; Dubois F; et al, J Nucl Med 1990; **31:** 640

effect of metabolic inhibition on technetium-99m-MIBI kinetics in cultured chick myocardial cells, Piwnica-Worms D; Kronauge JF; Delmon L; et al, J Nucl Med 1990; **31:** 464

effect of mitochondrial and plasma membrane potentials on accumulation of hexakis (2-methoxyisobutylisonitrile)technetium(I) in cultured mouse fibroblasts, Chiu ML; Kronauge JF; Piwnica-Worms D, J Nucl Med 1990; **31:** 1646

effect of regional myocardial ischemia on sympathetic nervous system as assessed by fluorine-18-metaraminol, Schwaiger M; Guibourg H; Rosenspire K; et al, J Nucl Med 1990; **31:** 1352

effect of thallium-201 blood levels on reversible myocardial defects, Nelson CW; Wilson RA; Angello DA; et al, J Nucl Med 1989; **30:** 1172

effects of heart rate on myocardial thallium-201 uptake and clearance, Nordrehaug JE; Danielsen R; Vik-Mo H, J Nucl Med 1989; **30:** 1972

enhanced binding of the hypoxic cell marker [^{3}H]fluoromisonidazole in ischemic myocardium, Martin GV; Caldwell JH; Rasey JS; et al, J Nucl Med 1989; **30:** 194

evaluation of residual myocardial viability in a patient with acute myocardial infarction, Yasuda T; Abraham SA; Pieri P; et al, J Nucl Med 1990; **31:** 225

failure of perchlorate to inhibit Tc-99m isonitrile binding by the thyroid during myocardial perfusion studies, Civelek AC; Durski K; Shafique I; et al, Clin Nucl Med 1991; **16:** 358

false-negative dipyridamole-thallium-201 myocardial imaging after caffeine infusion, Smits P; Corstens FHM; Aengevaeren WRM; et al, J Nucl Med 1991; **32:** 1538

improved detection of healed myocardial infarction by Fourier amplitude and phase imaging in two projections: validation with MRI, Akins EW; Brateman LF; Williams CM; Mietling SW; Franco EA, Radiographics 1989; **9:** 323

indium-111-antimyosin antibody imaging for detecting different stages of myocardial infarction: comparison with technetium-99m-pyrophosphate imaging, Tamaki N; Yamada T; Matsumori A; et al, J Nucl Med 1990; **31:** 136

indium-111-antimyosin images compared with triphenyl tetrazolium chloride staining in a patient six days after myocardial infarction, Jain D; Crawley JC; Lahiri A; et al, J Nucl Med 1990; **31:** 231

indium-111 leukocyte scintigraphic detection of myocardial abscess formation in patients with endocarditis, Cerqueira MD; Jacobson AF, J Nucl Med 1989; **30:** 703

intravenous dipyridamole thallium-201 SPECT imaging in patients with left bundle branch block, Rockett JF; Wood WC; Moinuddin M; et al, Clin Nucl Med 1990; **15:** 401

limited myocardial perfusion reserve in patients with left ventricular hypertrophy, Goldstein RA; Haynie M, J Nucl Med 1990; **31:** 255

localization of myocardial ischaemia with technetium-99m methoxy isobutyl isonitrile and single photon emission computed tomography, West DJ; Najm YC; Mistry R; et al, Br J Radiol 1989; **62:** 303

metabolic fate of [^{13}N]ammonia in human and canine blood, Rosenspire KC; Schwaiger M; Mangner TJ; et al, J Nucl Med 1990; **31:** 163

metabolism of β-methyl-heptadecanoic acid in the perfused rat heart and liver, Fink GD; Montgomery JA; David F; et al, J Nucl Med 1990; **31:** 1823

model-based quantification of myocardial perfusion images from SPECT, Nuyts J; Mortelmans L; Suetens P; et al, J Nucl Med 1989; **30:** 1992

myocardial accumulation of iodinated beta-methyl-branched fatty acid analogue, iodine-125-15-(p-iodophenyl)-3-(R,S)methylpentadecanoic acid (BMIPP), in relation to ATP concentration, Fujibayashi Y; Yonekura Y; Takemura Y; et al, J Nucl Med 1990; **31:** 1818

myocardial clearance kinetics of technetium-99m-SQ30217: a marker of regional myocardial blood flow, Stewart RE; Schwaiger M; Hutchins GD; et al, J Nucl Med 1990; **31:** 1183

myocardial clearance of Tc-99m hexakis-2-methoxy-2-methylpropyl isonitrile (MIBI) in patinets with coronary artery disease, Franceschi M; Guimond J; Zimmerman RE; et al, Clin Nucl Med 1990; **15:** 307

myocardial imaging artifacts caused by mitral valve annulus calcification, Wagoner LE; Movahed A; Reeves WC, Clin Nucl Med 1991; **16:** 94

myocardial metabolism of fluorodeoxyglucose compared to cell membrane integrity for the potassium analogue rubidium-82 for assessing infarct size in man by PET, Gould KL; Yoshida K; Hess MJ; et al, J Nucl Med 1991; **32:** 1

myocardial perfusion imaging with a new radiotracer, technetium-99m-hexamibi (methoxy isobutyl isonitrile): comparison with thallium-201 imaging, Taillefer R; Dupras G; Sporn V; et al, Clin Nucl Med 1989; **14:** 89

myocardial perfusion imaging with technetium-99m SQ30217: comparison with thallium-201 and coronary anatomy, Seldin DW; Johnson LL; Blood DK; et al, J Nucl Med 1989; **30:** 312

myocardial redistribution of technetium-99m-methoxyisobutyl isonitrile (SESTAMIBI), Li Q-S; Solot G; Frank TL; et al, J Nucl Med 1990; **31:** 1069

myocardial scintigraphy with Tc-99m TBI in a 6-month-old infant with myocardial infarction after Mustard operation, Sandrock D; Franke U-C; Herborn G; et al, Clin Nucl Med 1989; **14:** 381

myocardial uptake of carbon-11-acetate as an indirect estimate of regional myocardial blood flow, Gropler RJ; Siegel BA; Geltman EM, J Nucl Med 1991; **32:** 245

myocardial uptake of indium-111-labeled antimyosin in acute subendocardial infarction: clinical, histochemical, and autoradiographic correlation of myocardial necrosis, Hendel RC; McSherry BA; Leppo JA, J Nucl Med 1990; **31:** 1851

myocardial uptake of Tc-99m MDP following cardioversion, Palestro CJ; Steele MK; Kim CK; et al, Clin Nucl Med 1991; **16:** 273

myocarditis simulating myocardial infarction, Narula J; Southern JF; Abraham S; et al, J Nucl Med 1991; **32:** 312

neutral technetium-99m complex for myocardial imaging, Narra RK; Nunn AD; Kuczynski BL; et al, J Nucl Med 1989; **30:** 1830

new method for noninvasive quantitation of segmental myocardial wall thickening using technetium-99m 2-methoxy-isobutyl-isonitrile scintigraphy—results in normal subjects, Marcassa C; Marzullo P; Parodi O; et al, J Nucl Med 1990; **31:** 173

new myocardial imaging agent: synthesis, characterization, and biodistribution of gallium-68-BAT-TECH, Kung HF; Liu BL; Mankoff D; et al, J Nucl Med 1990; **31:** 1635

new scanning method for thallium-201 myocardial SPECT: semidecubital position method, Suzuki A; Muto S; Oshima M; et al, Clin Nucl Med 1990; **14:** 736

noninvasive estimation of regional myocardial oxygen consumption by positron emission tomography with carbon-11 acetate in patients with myocardial infarction, Walsh MN; Geltman EM; Brown MA; et al, J Nucl Med 1989; **30:** 1798

nonuniformity in myocardial accumulation of fluorine-18-fluorodeoxyglucose in normal fasted humans, Gropler RJ; Siegel BA; Lee KJ; et al, J Nucl Med 1990; **31:** 1749

normal and diffusely abnormal myocardium in humans: functional and metabolic characterization with P-31 MR spectroscopy and cine MR imaging, Auffermann W; Chew WM; Wolfe CL; Tavares NJ; Parmley WW; Semelka RC; Donnelly T; Chatterjee K; Higgins CB, Radiology 1991; **179:** 253

parametric images of myocardial metabolic rate of glucose generated from dynamic cardiac PET and 2-[^{18}F]fluoro-2-deoxy-d-glucose studies, Choi Y; Hawkins RA; Huang S-C; et al, J Nucl Med 1991; **32:** 733

pentoxifylline (Trental) does not inhibit dipyridamole-induced coronary hyperemia: implications for dipyridamole-thallium-201 myocardial imaging, Brown KA; Slinker BK, J Nucl Med 1990; **31:** 1020

PET detection of viable tissue in myocardial segments with persistent defects at Tl-201 SPECT, Brunken RC; Kottou S; Nienaber CA; Schwaiger M; Ratib OM; Phelps ME; Schelbert HR, Radiology 1989; **172:** 65

pharmacological stress with adenosine for myocardial perfusion imaging, Verani MS, Semin Nucl Med 1991; **21:** 266

physiological basis of myocardial perfusion imaging with the technetium 99m agents, Beller GA; Watson DD, Semin Nucl Med 1991; **21:** 173

postoperative myocardial infarction and cardiac death: predictive value of dipyridamole-thallium imaging and five clinical scoring systems based on multifactorial analysis, (ab), Lette J; Waters D; Lassonde J; et al, Radiology 1990; **176:** 884

prone decubitus: a solution to inferior wall attenuation in thallium-201 myocardial tomography, Esquerré J-P; Coca FJ; Martinez SJ; et al, J Nucl Med 1989; **30:** 398

prone versus supine thallium myocardial SPECT: a method to decrease artifactual inferior wall defects, Segall GM; Davis MJ, J Nucl Med 1989; **30:** 548

quantification of the reversibility of stress-induced thallium-201 myocardial perfusion defects: a multicenter trial using bull's-eye polar maps and standard normal limits, Garcia EV; DePuey EG; Sonnemaker RE; et al, J Nucl Med 1990; **31:** 1761

quantitation of myocardial blood flow with $H_2{}^{15}O$ and positron emission tomography: assessment and error analysis of a mathematical approach, Herrero P; Markham J; Bergmann SR, JCAT 1989; **13:** 862

quantitative analysis of myocardial kinetics of 15-*p*-[iodine-125] iodophenylpentadecanoic acid, DeGrado TR; Holden JE; Ng CK; et al, J Nucl Med 1989; **30:** 1211

quantitative analysis of planar technetium-99m-Sestamibi myocardial perfusion images using modified background subtraction, Koster K; Wackers FJT; Mattera JA; et al, J Nucl Med 1990; **31:** 1400

quantitative analysis of regional wall motion by gated myocardial positron emission tomography: validation and comparison with left ventriculography, Yamashita K; Tamaki N; Yonekura Y; et al, J Nucl Med 1989; **30:** 1775

quantitative analysis of tomographic stress thallium-201 myocardial scintigrams: a multicenter trial, Van Train KF; Maddahi J; Berman DS; et al, J Nucl Med 1990; **31:** 1168

radioiodinated tracers for myocardial imaging, Kulkarni PV; Corbett JR, Semin Nucl Med 1990; **20:** 119

radiopharmaceuticals for imaging myocardial perfusion, Nunn AD, Semin Nucl Med 1990; **20:** 111

regional wall thickening of left ventricle evaluated by gated positron emission tomography in relation to myocardial perfusion and glucose metabolism, Yamashita K; Tamaki N; Yonekura Y; et al, J Nucl Med 1991; **32:** 679

renal uptake of Tl-201 in hypertensive patients undergoing myocardial perfusion imaging, Hurwitz GA; Mattar AG; Bhargava R; et al, Clin Nucl Med 1990; **15:** 88

reorientation of the left ventricular long-axis on myocardial transaxial tomograms by a linear fitting method, He Z-X; Maublant JC; Cauvin JC; et al, J Nucl Med 1991; **32:** 1794

reproducibility of quantitative planar thallium-201 scintigraphy: quantitative criteria for reversibility of myocardial perfusion defects, Sigal SL; Soufer R; Fetterman RC; et al, J Nucl Med 1991; **32:** 759

rest-injected thallium-201 imaging for assessing viability of severe asynergic regions, Mori T; Minamiji K; Kurogane H; et al, J Nucl Med 1991; **32:** 1718

reversibility bull's-eye: a new polar bull's-eye map to quantify reversibility of stress-induced SPECT thallium-201 myocardial perfusion defects, Klein JL; Garcia EV; DePuey EG; et al, J Nucl Med 1990; **31:** 1240

role of antimyosin antibodies in acute myocardial infarction, Johnson LL; Seldin DW, Semin Nucl Med 1989; **19:** 238

serial changes in myocardial perfusion using tomographic technetium-99m-hexakis-2-methoxy-2-methylpropyl-isonitrile imaging following reperfusion therapy of myocardial infarction, Pellikka PA; Behrenbeck T; Verani MS; et al, J Nucl Med 1990; **31:** 1269

significance of fill-in after thallium-201 reinjection following delayed imaging: comparison with regional wall motion and angiographic findings, Tamaki N; Ohtani H; Yonekura Y; et al, J Nucl Med 1990; **31:** 1617

simple noninvasive quantification method for measuring myocardial glucose utilization in humans employing positron emission tomography and fluorine-18 deoxyglucose, Gambhir SS; Schwaiger M; Huang S-C; et al, J Nucl Med 1989; **30:** 359

simultaneous assessment of left ventricular wall motion and myocardial perfusion with technetium-99m-methoxy isobutyl isonitrile at stress and rest in patients with angina: comparison with thallium-201 SPECT, Villanueva-Meyer J; Mena I; Narahara KA, J Nucl Med 1990; **31:** 457

simultaneous technetium-99m MIBI angiography and myocardial perfusion imaging, Baillet GY; Mena IG; Kuperus JH; et al, J Nucl Med 1989; **30:** 38

SPECT imaging with Tl-201 and Ga-67 in myocardial sarcoidosis, Kurata C; Sakata K; Taguchi T; et al, Clin Nucl Med 1990; **15:** 408

SPECT myocardial perfusion imaging update, Datz FL; Gullberg G; Gabor FV; et al, Semin US CT MR 1991; **12:** 28

synthesis, characterization, and biodistribution of [^{113m}In]TE-BAT: a new myocardial imaging agent, Liu BL; Kung HF; Jin YT; et al, J Nucl Med 1989; **30:** 367

technetium-99m hexakis 2-methoxyisobutyl isonitrile: human biodistribution, dosimetry, safety, and preliminary comparison to thallium-201 for myocardial perfusion imaging, Wackers FJT; Berman DS; Maddahi J; et al, J Nucl Med 1989; **30:** 301

technetium 99m sestamibi in the assessment of acute myocardial infarction, Gibbons RJ, Semin Nucl Med 1991; **21:** 213

thallium 201 for assessment of myocardial viability, Bonow RO; Dilsizian V, Semin Nucl Med 1991; **21:** 230

thallium-201 myocardial scintigraphy: single injection, re-injection, or 24-hour delayed imaging?, Pieri P; Abraham SA; Katayama H; et al, J Nucl Med 1990; **31:** 1390

thallium myocardial scintigraphy in congenitally-corrected transposition of the great arteries, Bajwa N; Bianco JA; Stone CK, J Nucl Med 1991; **32:** 1611

three-dimensional assessment of myocardial oxidative metabolism: a new approach for regional determination of PET-derived carbon-11-acetate kinetics, Kotzerke J; Hicks RJ; Wolfe E; et al, J Nucl Med 1990; **31:** 1876

three-dimensional techniques and artificial intelligence in thallium-201 cardiac imaging, DePuey EG; Garcia EV; Ezquerra NF, AJR 1989; **152:** 1161

Tl-201 myocardial SPECT in patients with Duchenne's muscular dystrophy: a long-term follow-up, Nagamachi S; Jinnouchi S; Ono S; et al, Clin Nucl Med 1989; **14:** 827

tracer kinetics of 15-(ortho-$^{123/131}$I-phenyl)-pentadecanoic acid (oPPA) and 15-(para-$^{123/131}$I-phenyl)-pentadecanoic acid (pPPA) in animals and man, Kaiser KP; Geuting B; Grossman K; et al, J Nucl Med 1990; **31:** 1608

uptake of myocardial imaging agents by rejecting and nonrejecting cardiac transplants. a comparative clinical study of thallium-201, technetium-99m, and gallium-67, Yamamoto S; Bergsland J; Michalek SM; et al, J Nucl Med 1989; **30:** 1464

use of the metabolic tracer carbon-11-acetate for evaluation of regional myocardial perfusion, Chan SY; Brunken RC; Phelps ME; et al, J Nucl Med 1991; **32:** 665

validity of estimates of myocardial oxidative metabolism with carbon-11 acetate and positron emission tomography despite altered patterns of substrate utilization, Brown MA; Myears DW; Bergmann SR, J Nucl Med 1989; **30:** 187

value of magnetic resonance imaging in patients with a recent myocardial infarction: comparison with planar thallium-201 scintigraphy, Krauss XH; van der Wall EE; Doornbos J; et al, Cardiovasc Intervent Radiol 1989; **12:** 119

value of rest-stress myocardial positron tomography using nitrogen-13 ammonia for the preoperative prediction of reversible asynergy, Tamaki N; Yonekura Y; Yamashita K; et al, J Nucl Med 1989; **30:** 1302

value of SPECT-thallium scanning in screening for myocardial contusion, McCarthy MC; Pavlina PM; Evans DK; et al, Cardiovasc Intervent Radiol 1991; **14:** 238

Wiener filtering improves quantification of regional myocardial perfusion with thallium-201 SPECT, Links JM; Jeremy RW; Dyer SM; et al, J Nucl Med 1990; **31:** 1230

Myocardium, US

autocorrelation length of normal and myopathic human myocardium measured by acoustic microscopy: implications for clinical ultrasonic tissue characterization, Linker DT; Angelsen BAJ; Popp RL, Ultrasound Med Biol 1990; **16:** 793

cardiac cycle-dependent variation of integrated backscatter is not distorted by abnormal myocardial wall motion in human subjects with paradoxical septal motion, Milunski MR; Canter CE; Wickline SA; et al, Ultrasound Med Biol 1989; **15:** 311

echocardiography in acute myocarditis associated with left ventricular thrombus formation and systemic embolization, Van Dam J; Basilico FC; Nesto RW, J Ultrasound Med 1990; **9:** 599

intraoperative myocardial contrast echocardiography for assessment of regional bypass perfusion, (ab), Mudra H; Zwehl W; Klauss V; et al, Radiology 1991; **180:** 294

myocardial ultrasonic backscatter for characterization of ischemia and reperfusion: relationship to wall motion, Barzilai B; Vered Z; Mohr GA; et al, Ultrasound Med Biol 1990; **16:** 391

quantitative texture analysis in echocardiography: application to the diagnosis of myocarditis, Ferdeghini EM; Pinamonti B; Picano E; et al, JCU 1991; **19:** 263

relative contributions of myocardial wall thickness and ischemia to ultrasonic myocardial integrated backscatter during experimental ischemia, Rijsterborgh H; Mastik F; Lancée CT; et al, Ultrasound Med Biol 1991; **17:** 41

ultrasonic myocardial integrated backscatter and myocardial wall thickness in animal experiments, Rijsterborgh H; Mastik F; Lancée CT; et al, Ultrasound Med Biol 1990; **16:** 29

Myoma

atypical leiomyoma arising in an hepatic vein with extension into the inferior vena cava and right atrium, Dunlap HJ; Udjus K, Pediatr Radiol 1990; **20:** 202

case report: indolent gastric epithelioid leiomyosarcoma in Carney's triad, Evans RA; Salisbury JR; Gimson A; et al, Clin Radiol 1990; **42:** 437

CT appearance of uterine leiomyomas, Casillas J; Joseph RC; Guerra JJ Jr, Radiographics 1990; **10:** 999

CT manifestations of peritoneal leiomyosarcomatosis, Choi BI; Lee WJ; Chi JG; et al, AJR 1990; **155:** 799

cystic degeneration of a large uterine leiomyoma: radiologic and surgical analyses, Green WJ; Fendley SM; Wintzell EC; et al, Invest Radiol 1989; **24:** 626

deep-seated soft tissue leiomyomas: report of four patients, Herrlin K; Willén H; Rydholm A, Skeletal Radiol 1990; **19:** 363

diffuse esophageal leiomyomatosis in a patient with Alport syndrome: CT demonstration, Rabushka LS; Fishman EK; Kuhlman JE; Hruban RH, Radiology 1991; **179:** 176

enlarged uterus: differentiation between adenomyosis and leiomyoma with MR imaging, Togashi K; Ozasa H; Konishi I; Itoh H; Nishimura K; Fujisawa I; Noma S; Sagoh T; Minami S; Yamashita K; Nakano Y; Konishi J; Mori T, Radiology 1989; **171:** 531

general case of the day: annual meeting, 1988, Rubens DJ; Talarico HP; Zaepfel AC; VanZandt TF, Radiographics 1989; **9:** 964

giant cystic leiomyoma of the sigmoid colon, Weston PMT; Travis R; Thompson HH, Comput Med Imag Graph 1991; **15:** 41

high-signal-intensity rim surrounding uterine leiomyomas on MR images: pathologic correlation, Mittl RL Jr; Yeh I-T; Kressel HY, Radiology 1991; **180:** 81

intravenous leiomyomatosis of uterus: MR appearance, Kawakami S; Sagoh T; Kumada H; et al, JCAT 1991; **15:** 686

jejunal leiomyosarcoma detected by Tc-99m sulfur colloid gastrointestinal bleeding scan, Yang S-O; Lee MC; Koh C-S; et al, Clin Nucl Med 1990; **15:** 327

leimyosarcoma of the duodenum, Kanematsu M; Imaeda T; Iinuma G; et al, Gastrointest Radiol 1991; **16:** 109

leiomyoma involving the gastrocolic ligament: CT demonstration, Goodman P; Raval B; Bonmati C; et al, Comput Med Imag Graph 1990; **14:** 431

leiomyoma of the testis: sonographic and pathologic findings, Nino-Murcia M; Kosek J, J Canad Assoc Radiol 1989; **40:** 178

leiomyomatosis with a solitary pleural metastasis, Budde RB Jr; Yankura JA, Clin Imag 1989; **13:** 228

leiomyosarcoma following therapeutic irradiation for ankylosing spondylitis, Stevens GN; Tattersall MHN; Biro C; et al, Br J Radiol 1990; **63:** 730

leiomyosarcoma of the renal vein: radiologic pathologic correlation, Farah MC; Shirkhoda A; Ellwood RA; et al, Clin Imag 1989; **13:** 323

marked uptake of Ga-67 citrate in a giant leiomyoma uteri, Ishimura J; Fukuchi M, Clin Nucl Med 1991; **16:** 129

meningeal metastasis of leiomyosarcoma mimicking meningioma: CT and MR findings, Buff BL Jr; Schick RM; Norregaard T, JCAT 1991; **15:** 166

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

MR imaging of the uterus, McCarthy S, Radiology 1989; **171:** 321

MR of intravenous leiomyomatosis of the uterus extending into the inferior vena cava, Rotter AJ; Lundell CJ, JCAT 1991; **15:** 690

ossified leiomyoma of the stomach: demonstration on computed tomography, Savit RM; Horrow MM; Agarwal P, Br J Radiol 1989; **62:** 79

ovarian lipoleiomyoma: a fat-containing mass in the female pelvis, Dodd GD III; Lancaster KT; Moulton JS, AJR 1989; **153:** 1007

pedunculated leiomyosarcoma of the vaginal cuff after total hysterectomy: CT features, Outwater E; Gerzof SG, JCAT 1989; **13:** 1095

primary leiomyosarcoma of the greater omentum: CT findings, Lee JT; Kim MJ; Yoo HS; et al, JCAT 1991; **15:** 92

primary leiomyosarcoma of the spinal dura mater, Kidooka M; Okada T; Takayama S; et al, Neuroradiol 1991; **33:** 173

prognostic factors in uterine leiomyosarcoma: a clinical and histopathological study of 143 cases, the Radiumhemmet series 1936–1981, Larson B; Silfverswärd C; Nilsson B; et al, Acta Oncol 1990; **29:** 185

pulmonary lymphangioleiomyomatosis: CT and pathologic findings, Templeton PA; McLoud TC; Müller NL; et al, JCAT 1989; **13:** 54

pulmonary lymphangioleiomyomatosis: CT findings, Sherrier RH; Chiles C; Roggli V, AJR 1989; **153:** 937

renal lymphangiomyoma—a rare cause of a multiloculated renal mass, Jacobs JE; Sussman SK; Glickstein MF, AJR 1989; **152:** 307

renal vein leiomyosarcoma: a case report and literature review, Martin J; Garcia M; Duran A; et al, Urol Radiol 1989; **11:** 25

scintigraphic localization of a bleeding leiomyosarcoma of the proximal jejunum, Caruana V; Swayne LC; Diehl WL, Clin Nucl Med 1991; **16:** 230

sonographic demonstration of an intrauterine device perforating a uterine myoma, Caspi B; Shoham (Schwartz) Z; Barash A; et al, JCU 1989; **17:** 535

sonographic findings of leiomyoma in the seminal vesicle, Bahn DK; Brown RKJ; Shei K-Y; et al, JCU 1990; **18:** 517

ultrasound demonstration of a superficial femoral artery leiomyosarcoma, Gramith F; Smith L, J Ultrasound Med 1989; **8:** 269

uterine incarceration associated with uterine leiomyomata: clinical and sonographic presentation, Hankins GDV; Cedars MI, JCU 1989; **17:** 385

uterine leiomyomata: discrepancy between scintigraphic and radiographic images, Palestro CJ; Solomon RW; Kim CK; et al, Clin Nucl Med 1990; **15:** 930

uterine leiomyomata: sonographic mimicry, Borgstein RL; Shaw JJ; Pearson RH, Br J Radiol 1989; **62:** 1019

value of MR imaging in distinguishing leiomyomas from other solid pelvic masses when sonography is indeterminate, Weinreb JC; Barkoff ND; Megibow A; et al, AJR 1990; **154:** 295

Myopathy

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Myosarcoma

cardiac rhabdomyomata in tuberous sclerosis: their course and diagnostic value, (ab), Smith HC; Watson GH; Patel RG; et al, Radiology 1989; **173:** 586

case report 612, Knowles MC; Magid D; Fishman EK; et al, Skeletal Radiol 1990; **19:** 299

computed tomography in botryoid rhabdomyosarcoma of urinary bladder, Buxi TBS; Shubhra; Dutta T; et al, Comput Med Imag Graph 1990; **14:** 197

CT and ultrasound imaging of pelvic rhabdomyosarcoma in children: a review of 56 patients, Tannous WN; Azouz EM; Homsy YL; et al, Pediatr Radiol 1989; **19:** 530

evaluation of BA1112 rhabdomyosarcoma oxygenation with microelectrodes, optical spectrophotometry, radiosensitivity, and magnetic resonance spectroscopy, Sostman HD; Rockwell S; Sylvia AL; et al, Magn Res Med 1991; **20:** 253

influence of extensive bone erosion on local control in non-orbital rhabdomyosarcoma of the head and neck, Mandell LR; Massey V; Ghavimi F, Int J Radiat Oncol Biol Phys 1989; **17:** 649

influence of treatment time on the response of rat rhabdomyosarcoma R1H to fractionated irradiation, Beck-Bornholdt H-P; Omniczynski M; Theis E; et al, Acta Oncol 1991; **30:** 57

keynote address: contributions of pediatric oncology: examples derived from advances made in the treatment of rhabdomyosarcoma and neuroblastoma, Cassady JR, Int J Radiat Oncol Biol Phys 1991; **20:** 1177

management of paratesticular rhabdomyosarcoma, Hamilton CR; Pinkerton R; Horwich A, Clin Radiol 1989; **40:** 314

MR imaging of diffuse bone marrow replacement in pediatric patients with cancer, Ruzal-Shapiro C; Berdon WE; Cohen MD; Abramson SJ, Radiology 1991; **181:** 587

predictive value of initial-cytostatic response in primary unresectable rhabdomyosarcoma in children, Treuner J; Suder J; Keim M; et al, Acta Oncol 1989; **28:** 67

radiobiology of the rhabdomyosarcoma R1H of the rat: influence of the size of irradiation field on tumor response, tumor bed effect, and neovascularization kinetics, Würschmidt F; Beck-Bornholdt H-P; Vogler H, Int J Radiat Oncol Biol Phys 1990; **18:** 879

radiotherapy of the rhabdomyosarcoma R1H of the rat: hyperfractionation—126 fractions applied within 6 weeks, Beck-Bornholdt H-P; Maurer T; Becker S; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 701

radiotherapy of the rhabdomyosarcoma R1H of the rat: postoperative radiotherapy, Carl UM; Beck-Bornholdt H-P; Baumann M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 883

reoxygenation in a rat rhabdomyosarcoma tumor following X-irradiation, Afzal SMJ; Tenforde TS; Kavanau KS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 473

response of rat rhabdomyosarcoma tumors to split doses of mixed high- and low-LET radiation, Tenforde TS; Montoya VJ; Afzal SMJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1529

rhabdomyosarcoma of the funiculus, Solivetti FM; D'Ascenzo R; Molisso A; et al, JCU 1989; **17:** 521

rhabdomyosarcomas in the head and neck: MR imaging evaluation, Yousem DM; Lexa FJ; Bilaniuk LT; Zimmerman RI, Radiology 1990; **177:** 683

transrectal ultrasound guided needle biopsy of recurrent vaginal mass in a 23 month old girl, Mandell MJ; Thieme GA; Eggli KD; et al, Pediatr Radiol 1989; **20:** 120

treatment results among adults with childhood tumors: a 20-year experience, Prestidge BR; Donaldson SS, Int J Radiat Oncol Biol Phys 1989; **17:** 507

ultrasonography and diagnosis of pediatric genitourinary rhabdomyosarcoma, (ab), Bahnson RR; Zaontz MR; Maizels M; et al, Radiology 1989; **172:** 888

ultrasound appearance of extratesticular myosarcoma, Freimanis MG; Bohm-Velez M; Mendelson EB; et al, JCU 1991; **19:** 101

Myositis

See also Dermatomyositis

clinico-radiologic-pathologic conference: a 50-year-old woman with polymyositis and chronic bibasilar lung disease, Forster BB; Blackie SP; Müller NL; et al, J Canad Assoc Radiol 1990; **41:** 45

diagnosis of traumatic myositis of the intrinsic muscles of the hand by the use of three-phase skeletal scintigraphy, Maurer AH; Paczolt EA; Myers AR, Clin Nucl Med 1990; **15:** 535

focal myositis, a benign inflammatory pseudotumour: CT appearances, Moskovic E; Fisher C; Westbury G; et al, Br J Radiol 1991; **64:** 489

HIV-associated myositis detected by radionuclide bone scanning, Scott JA; Palmer EL; Fischman AJ, J Nucl Med 1989; **30:** 556

rapidly progressive pyomyositis: diagnosis by repeat sonography, Quillin SP; McAlister WH, J Ultrasound Med 1991; **10:** 181

tropical pyomyositis: demonstration of extent and distribution of disease by gallium scintigraphy, Schiff RG; Silver L, Clin Nucl Med 1990; **15:** 542

Myositis ossificans

case report: trismus and multifocal soft tissue ossification. a presentation of fibrodysplasia ossificans progressiva?, Kabala JE; Watt I; Hollingworth P; et al, Clin Radiol 1989; **40:** 523

MRI of myositis ossificans circumscripta, Ehara S; Nakasato T; Tamakawa Y; et al, Clin Imag 1991; **15:** 130

multimodality imaging of early heterotopic bone formation, Laurin NR; Powe JE; Pavlosky WF; et al, J Canad Assoc Radiol 1990; **41:** 93

nontraumatic myositis ossificans in the breast, Salomonowitz E; Youssefzadeh S; Reiner A; et al, Eur J Radiol 1991; **12:** 130

nuclear medicine bone image and myositis ossificans progressiva, Guze BH; Schelbert H, Clin Nucl Med 1989; **14:** 161

pediatric case of the day, Hanna SL; Magill HL; Brooks MT; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 945

pseudomalignant, nonneoplastic osseous soft-tissue tumors of the hand and foot, Schütte HE; van der Heul RO, Radiology 1990; **176:** 149

sonographic diagnosis of myositis ossificans, Fornage BD; Eftekhari F, J Ultrasound Med 1989; **8:** 463

Myxoma

aggressive angiomyxoma of pelvic soft tissue: CT appearance, Llauger J; Pérez C; Coscojuela P; et al, Urol Radiol 1990; **12:** 25

atrial myxomas: results of 25 years' experience and review of the literature, (ab), Larsson S; Lepore V; Kennergren C, Radiology 1990; **174:** 293

cardiac myxoma metastatic to the temporal bone, Jungreis CA; Sekhar LN; Martinez AJ; Hirsch BE, Radiology 1989; **170:** 244

case report 557, Glass-Royal MC; Nelson MC; Albert F; et al, Skeletal Radiol 1989; **18:** 392

coronary angiography in atrial myxoma: findings in nine cases, Fueredi GA; Knechtges TE; Czarnecki DJ, AJR 1989; **152:** 737

CT and MR imaging of myxofibroma of the jaws, Cohen MA; Mendelsohn DB, JCAT 1990; **14:** 281

detection of left atrial myxoma with SPECT cardiac imaging, McLaughlin MG; Swayne LC; Mangiola S, Clin Nucl Med 1989; **14:** 101

fibromyxoma of bone, Abdelwahab IF; Hermann G; Klein MJ; et al, Skeletal Radiol 1991; **20:** 95

from the archives of the AFIP: fat-containing soft-tissue masses of the extremities, Kransdorf MJ; Moser RP Jr; Meis JM; Meyer CA, Radiographics 1991; **11:** 81

intramuscular myxoma: a rare but important association with fibrous dysplasia of bone, Sundaram M; McDonald DJ; Merenda G, AJR 1989; **153:** 107

intramuscular myxoma: MR features, Kransdorf MJ; Moser RP Jr; Jelinek JS; et al, JCAT 1989; **13:** 836

magnetic resonance imaging and angiography of the brain in embolic left atrial myxoma, Marazuela M; García-Merino A; Yebra M; et al, Neuroradiol 1989; **31:** 137

myxoma of the heart presenting with recurrent episodes of hemorrhagic cerebral infarction: MR findings, Michael AS; Mikhael MA; Christ M, JCAT 1989; **13:** 123

primary myxoma of the cranium: CT findings, Ng S-H; Tang L-M; Wai Y-Y; et al, JCAT 1989; **13:** 903

primary myxoma of the posterior fossa, Klein MV; Schwaighofer BW; Sobel DF; et al, Neuroradiol 1990; **32:** 250

right atrial myxoma originating from the inferior vena cava, (ab), Bortolotti U; Faggian G; Mazzucco A; et al, Radiology 1991; **178:** 898

N

Nasopharynx

nasopharyngeal and temporal bone blastomycosis: CT and MR findings, Angtuaco EEC; Angtuaco EJC; Glasier CM; et al, AJNR 1991; **12:** 725

Nasopharynx, abnormalities

focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL, Radiology 1991; **181:** 521

hemangioma of the nasal vault: MR and CT features, Dillon WP; Som PM; Rosenau W, Radiology 1991; **180:** 761

obstructive sleep apnea: diagnosis with ultrafast CT, Galvin JR; Rooholamini SA; Stanford W, Radiology 1989; **171:** 775

Nasopharynx, CT

computed tomography in the management of nasopharyngeal carcinoma, Zheng G; Zeng Q; Wu P; et al, Clin Radiol 1989; **40:** 25

computed tomography of nasopharyngeal carcinoma: a review of CT appearances in 56 patients, Hoe JWM, Eur J Radiol 1989; **9:** 83

CT evidence of mucosal thickening in the maxillary antra in patients with nasopharyngeal carcinoma, Avrahami E; Frishman E; Weiss-Peretz J, AJNR 1991; **12:** 275

CT of nasopharyngeal carcinoma: significance of widening of the preoccipital soft tissue on axial scans, Hoe J, AJNR 1989; **10:** 839

focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL, Radiology 1991; **181:** 521

hemangioma of the nasal vault: MR and CT features, Dillon WP; Som PM; Rosenau W, Radiology 1991; **180:** 761

nasopharyngeal carcinoma: CT evaluation of patterns of tumor spread, Sham JST; Cheung YK; Choy D; et al, AJNR 1991; **12:** 265

obstructive sleep apnea: diagnosis with ultrafast CT, Galvin JR; Rooholamini SA; Stanford W, Radiology 1989; **171:** 775

Nasopharynx, cysts

nasopharyngeal cysts: report of seven cases with review of the literature, (ab), Nicolai P; Luzzago F; Maroldi R; et al, Radiology 1990; **174:** 903

Nasopharynx, MR

focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL, Radiology 1991; **181:** 521

hemangioma of the nasal vault: MR and CT features, Dillon WP; Som PM; Rosenau W, Radiology 1991; **180:** 761

is that another Thornwaldt's cyst on M.R.I.?, Battino RA; Khangure MS, Australas Radiol 1990; **34:** 19

MRI of nasopharynx, Braun IF, Radiol Clin North Am 1989; **27:** 315

nasopharyngeal melanotic melanoma: MR characteristics, Ramos R; Som PM; Solodnik P, JCAT 1990; **14:** 997

tumors of the nasopharynx and adjacent areas: MR imaging with Gd-DTPA, Vogl TJ; Dresel SHJ; Bilaniuk LT; et al, AJNR 1990; **11:** 187

tumors of the nasopharynx and adjacent areas: MR imaging with Gd-DTPA, Vogl TJ; Dresel SHJ; Bilaniuk LT; et al, AJR 1990; **154:** 585

Nasopharynx, neoplasms

bone scintigraphy in nasopharyngeal carcinoma, Sundram FX; Chua ET; Goh ASW; et al, Clin Radiol 1990; **42:** 166

carcinoma of the nasopharynx: a retrospective analysis of treatment results in 125 patients, Kajanti MJ; Mäntyl MJ, Acta Oncol 1990; **29:** 611

carcinoma of the nasopharynx: the significance of lymphocytic infiltration, Roth SL; Krueger GFR; Bertram G; et al, Acta Oncol 1990; **29:** 897

Chinese herb "destagnation" series I: combination of radiation with destagnation in the treatment of nasopharyngeal carcinoma (NPC): a prospective randomized trial on 188 cases, Xu GZ; Cai WM; Qin DX; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 297

clinical significance of cranial nerve deficit in the therapy of nasopharyngeal carcinoma, Chen M-S; Lin F-J; Tang SG; et al, Br J Radiol 1989; **62:** 739

clinical study of 407 cases of nasopharyngeal carcinoma in Hong Kong, Teo P; Tsao SY; Shiu W; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 515

comparison of continuous and split-course radiotherapy for nasopharyngeal carcinoma, Rong-Xi L; Qi-Xin T; Yi-Wen H; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 307

computed tomography in nasopharyngeal carcinoma: part II: impact on survival, Cellai E; Olmi P; Chiavacci A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1177

computed tomography in nasopharyngeal carcinoma: part I: T-stage conversion with CT-staging, Olmi P; Cellai E; Chiavacci A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1171

computed tomography in the management of nasopharyngeal carcinoma, Zheng G; Zeng Q; Wu P; et al, Clin Radiol 1989; **40:** 25

computed tomography of nasopharyngeal carcinoma: a review of CT appearances in 56 patients, Hoe JWM, Eur J Radiol 1989; **9:** 83

CT evidence of mucosal thickening in the maxillary antra in patients with nasopharyngeal carcinoma, Avrahami E; Frishman E; Weiss-Peretz J, AJNR 1991; **12:** 275

CT of nasopharyngeal carcinoma: significance of widening of the preoccipital soft tissue on axial scans, Hoe J, AJNR 1989; **10:** 839

DNA flow cytometric analysis of human nasopharyngeal carcinoma in nude mice, Shilong C; Taifu L; Zhenhua W; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 343

intracavitary radiation treatment of nasopharyngeal carcinoma by the high dose rate afterloading technique, You-Wang Z; Tai-Fu L; Ci-Xi F, Int J Radiat Oncol Biol Phys 1989; **16:** 315

ipsilateral craniofacial uptake of Tc-99m MDP in nasophayrngeal carcinoma: incidence and implication, Nuruddin RN; Daud AB, Australas Radiol 1989; **33:** 93

juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263

long-term observation after radiotherapy for nasopharyngeal carcinoma (NPC), Wen-Zhan C; Dao-Lan Z; Ke-Shen L, Int J Radiat Oncol Biol Phys 1989; **16:** 311

management of local residual primary lesion of nasopharyngeal carcinoma (NPC): are higher doses beneficial?, Yan J-H; Qin D-X; Hu Y-H; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1465

management of local residual primary lesion of nasopharyngeal carcinoma: II. results of prospective randomized trial on booster dose, Yan J-H; Xu G-Z; Hu Y-H; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 295

nasopharyngeal carcinoma: CT evaluation of patterns of tumor spread, Sham JST; Cheung YK; Choy D; et al, AJNR 1991; **12:** 265

nasopharyngeal carcinoma in Auckland: a study of racial factors, Morton RP; Benjamin CS, Australas Radiol 1990; **34:** 17

nasopharyngeal carcinoma in the young: a combined M. D. Anderson and Stanford experience, Ingersoll L; Woo SY; Donaldson S; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 881

nasopharyngeal carcinoma: orderly neck node spread, Sham JST; Choy D; Wei WI, Int J Radiat Oncol Biol Phys 1990; **19:** 929

nasopharyngeal carcinoma: pattern of skeletal metastases, Sham JST; Cheung YK; Chan FL; et al, Br J Radiol 1990; **63:** 202

nasopharyngeal carcinoma: the significance of neck node involvement in relation to the pattern of distant failure, Sham JST; Choy D; Choi PHK, Br J Radiol 1990; **63:** 108

nasopharyngeal carcinoma with dermatomyositis, Teo P; Tai TH; Choy D, Int J Radiat Oncol Biol Phys 1989; **16:** 471

nasopharyngeal melanotic melanoma: MR characteristics, Ramos R; Som PM; Solodnik P, JCAT 1990; **14:** 997

neonatal nasopharyngeal hairy polyp: CT and MR appearance, Kochanski SC; Burton EM; Seidel FG; et al, JCAT 1990; **14:** 1000

non-Hodgkin's lymphoma of the nasopharynx, paranasal sinus and palate, Makepeace AR; Fermont DC; Bennett MH, Clin Radiol 1989; **40:** 144

paravertebral muscle metastases from primary tongue and nasopharyngeal carcinomas, Elkowitz SS; Patel M; Hirschfield LS, Clin Radiol 1991; **43:** 400

pediatric nasopharyngeal carcinoma: long term follow-up of 29 patients, Pao WJ; Hustu HO; Douglass EC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 299

prognostic factors of nasopharyngeal carcinoma: a multivariate analysis, Tang SGJ; Lin FJ; Chen MS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1143

prognostic factors of nasopharyngeal carcinoma: a review of 759 patients, Sham JST; Choy D, Br J Radiol 1990; **63:** 51

proton therapy for carcinoma of the nasopharynx: a study in comparative treatment planning, Brown AP; Urie MM; Chisin R; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1607

radiation therapy of nasopharyngeal carcinoma: prognostic factors based on a 10-year follow-up of 1302 patients, En-Pee Z; Pei-Gun L; Kuang-Long C; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 301

results of radiotherapy in nasopharyngeal cancer: a retrospective comparison of split-course and continuous-course treatment schedules, Mingchen Z, Acta Oncol 1989; **28:** 77

role of bone scanning in detection of subclinical bone metastasis in nasopharyngeal carcinoma, Sham JST; Tong CM; Choy D; et al, Clin Nucl Med 1991; **16:** 27

sensori-neural hearing loss in patients treated with irradiation for nasopharyngeal carcinoma, Grau C; Møller K; Overgaard M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 723

staging abdominal ultrasonography in nasopharyngeal carcinoma, Leung SF; Metreweli C; Tsao SY; et al, Australas Radiol 1991; **35:** 31

staging bone scintigraphy in nasopharyngeal carcinoma, Leung SF; Stewart IET; Tsao SY; et al, Clin Radiol 1991; **43:** 314

surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607

treatment of advanced juvenile nasopharyngeal angiofibroma, McGahan RA; Durrance FY; Parke RB Jr; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1067

treatment of persistent and recurrent nasopharyngeal carcinoma by brachytherapy, Sham JST; Wei WI; Choy D; et al, Br J Radiol 1989; **62:** 355

treatment of stage I nasopharyngeal carcinoma: analysis of the patterns of relapse and the results of withholding elective neck irradiation, Lee AWM; Sham JST; Poon YF; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1183

treatment outcome of spinal cord compression by nasopharyngeal carcinoma, Leung SF; Tsao SY; Shiu W, Br J Radiol 1990; **63:** 716

tumors of the nasopharynx and adjacent areas: MR imaging with Gd-DTPA, Vogl TJ; Dresel SHJ; Bilaniuk LT; et al, AJNR 1990; **11:** 187

tumors of the nasopharynx and adjacent areas: MR imaging with Gd-DTPA, Vogl TJ; Dresel SHJ; Bilaniuk LT; et al, AJR 1990; **154:** 585

Nasopharynx, therapeutic radiology

afterloading intracavitary radiation treatment of nasopharyngeal carcinoma: description of a technique and preliminary treatment results, Teo P; Tsao SY; Leung SF, Acta Oncol 1989; **28:** 525

carcinoma of the nasopharynx: a retrospective analysis of treatment results in 125 patients, Kajanti MJ; Mäntyl MJ, Acta Oncol 1990; **29:** 611

Chinese herb "destagnation" series I: combination of radiation with destagnation in the treatment of nasopharyngeal carcinoma (NPC): a prospective randomized trial on 188 cases, Xu GZ; Cai WM; Qin DX; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 297

clinical significance of cranial nerve deficit in the therapy of nasopharyngeal carcinoma, Chen M-S; Lin F-J; Tang SG; et al, Br J Radiol 1989; **62:** 739

clinical study of 407 cases of nasopharyngeal carcinoma in Hong Kong, Teo P; Tsao SY; Shiu W; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 515

comparison of continuous and split-course radiotherapy for nasopharyngeal carcinoma, Rong-Xi L; Qi-Xin T; Yi-Wen H; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 307

improved dose distributions for 3D conformal boost treatments in carcinoma of the nasopharynx, Leibel SA; Kutcher GJ; Harrison LB; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 823

intracavitary radiation treatment of nasopharyngeal carcinoma by the high dose rate afterloading technique, You-Wang Z; Tai-Fu L; Ci-Xi F, Int J Radiat Oncol Biol Phys 1989; **16:** 315

juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263

long-term observation after radiotherapy for nasopharyngeal carcinoma (NPC), Wen-Zhan C; Dao-Lan Z; Ke-Shen L, Int J Radiat Oncol Biol Phys 1989; **16:** 311

management of local residual primary lesion of nasopharyngeal carcinoma (NPC): are higher doses beneficial?, Yan J-H; Qin D-X; Hu Y-H; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1465

management of local residual primary lesion of nasopharyngeal carcinoma: II. results of prospective randomized trial on booster dose, Yan J-H; Xu G-Z; Hu Y-H; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 295

pediatric nasopharyngeal carcinoma: long term follow-up of 29 patients, Pao WJ; Hustu HO; Douglass EC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 299

proton therapy for carcinoma of the nasopharynx: a study in comparative treatment planning, Brown AP; Urie MM; Chisin R; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1607

radiation therapy of nasopharyngeal carcinoma: prognostic factors based on a 10-year follow-up of 1302 patients, En-Pee Z; Pei-Gun L; Kuang-Long C; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 301

results of radiotherapy in nasopharyngeal cancer: a retrospective comparison of split-course and continuous-course treatment schedules, Mingchen Z, Acta Oncol 1989; **28:** 77

sensori-neural hearing loss in patients treated with irradiation for nasopharyngeal carcinoma, Grau C; Møller K; Overgaard M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 723

three-dimensional photon treatment planning for carcinoma of the nasopharynx, Kutcher GJ; Fuks Z; Brenner H; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 169

treatment of advanced juvenile nasopharyngeal angiofibroma, McGahan RA; Durrance FY; Parke RB Jr; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1067

treatment of persistent and recurrent nasopharyngeal carcinoma by brachytherapy, Sham JST; Wei WI; Choy D; et al, Br J Radiol 1989; **62:** 355

treatment of stage I nasopharyngeal carcinoma: analysis of the patterns of relapse and the results of withholding elective neck irradiation, Lee AWM; Sham JST; Poon YF; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1183

National Council on Radiation Protection and Measurements (NCRP)
report no. 100 is published by the National Council on Radiation Protection and Measurements, Sinclair WK, Radiology 1989; **173:** 877

Neck
anterior and posterior cervical spaces, Parker GD; Harnsberger HR; Smoker WRK, Semin US CT MR 1991; **12:** 257
can sonographers reliably identify anatomic features associated with Down syndrome in fetuses?, Benacerraf BR; Cnann A; Gelman R; Laboda LA; Frigoletto FD Jr, Radiology 1989; **173:** 377
carotid space in the suprahyoid neck, Fruin ME; Smoker WRK; Harnsberger HR, Semin US CT MR 1990; **11:** 504
carotid space of the infrahyoid neck, Fruin ME; Smoker WRK; Harnsberger HR, Semin US CT MR 1991; **12:** 224
cranial subluxation of the odontoid process in rheumatoid arthritis, (ab), Slätis P; Santavirta S; Sandelin J; et al, Radiology 1989; **173:** 293
multispatial and transpatial diseases of the extracranial head and neck, Vogelzang P; Harnsberger HR; Smoker WRK, Semin US CT MR 1991; **12:** 274
normal anatomy of the infrahyoid neck: an overview, Smoker WRK, Semin US CT MR 1991; **12:** 192
normal and diseased infrahyoid retropharyngeal, danger, and prevertebral spaces, Davis WL; Smoker WRK; Harnsberger HR, Semin US CT MR 1991; **12:** 241
normal and diseased masticator space, Tryhus MR; Smoker WRK; Harnsberger HR, Semin US CT MR 1990; **11:** 476
normal and diseased retropharyngeal and prevertebral spaces, Davis WL; Smoker WRK; Harnsberger HR, Semin US CT MR 1990; **11:** 520
parapharyngeal space: the key to unlocking the suprahyoid neck, Babbel RW; Harnsberger HR, Semin US CT MR 1990; **11:** 444
radiologic evaluation of the normal and diseased posterior cervical space, Parker GD; Harnsberger HR, AJR 1991; **157:** 161
radiologic evaluation of the parotid space, Pollei SR; Harnsberger HR, Semin US CT MR 1990; **11:** 486
visceral space: the unique infrahyoid space, Babbel RW; Smoker WRK; Harnsberger HR, Semin US CT MR 1991; **12:** 204

Neck, angiography
limited role of arteriography in penetrating neck trauma, (ab), Rivers SP; Patel Y; Delany HM; et al, Radiology 1989; **170:** 902
stab wounds to the neck: role of angiography, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, Radiology 1989; **172:** 79

Neck, CT
acute neck pain due to tendonitis of the longus colli: CT and MRI findings, Artenian DJ; Lipman JK; Scidmore GK; et al, Neuroradiol 1989; **31:** 166
computed tomography of benign mesenchymoma of the neck, Darwin RH; Laine FJ; DeBlois GG; et al, JCAT 1989; **13:** 514
dynamic CT of the neck, Gay SB; Pevarski DR; Phillips CD; Levine PA, Radiology 1991; **180:** 284
head and neck reconstruction with pectoralis major myocutaneous flap: CT evaluation, Ohgi K; Kohno A; Itabashi K; et al, JCAT 1990; **14:** 286
imaging of the craniocervical junction, (ab), Hasso AN, Radiology 1990; **177:** 295
late-onset cystic hygromas: the role of CT, Woods D; Young JEM; Filice R; et al, J Canad Assoc Radiol 1989; **40:** 159
non-nodal neck masses, (ab), Holliday RA, Radiology 1991; **181:** 295
normal and diseased masticator space, Tryhus MR; Smoker WRK; Harnsberger HR, Semin US CT MR 1990; **11:** 476
parapharyngeal space: the key to unlocking the suprahyoid neck, Babbel RW; Harnsberger HR, Semin US CT MR 1990; **11:** 444
retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS, Radiology 1990; **174:** 59
value of computed tomography in the diagnosis of atlanto-axial rotatory fixation, Murray JB; Ziervogel M, Br J Radiol 1990; **63:** 894

Neck, cysts
spontaneous resolution of a cystic neck mass in a fetus with normal karyotype, Distell BM; Hertzberg BS; Bowie JD, AJR 1989; **153:** 380

Neck, infection
congenital pyriform sinus fistula: a cause of acute left-sided suppurative throiditis and neck abscess in children, Lucaya J; Berdon WE; Enriquez G; et al, Pediatr Radiol 1990; **21:** 27
pre-suppurative phase of retropharyngeal infection: contribution of ultrasonography in the diagnosis and treatment, Ben-Ami T; Yousefzadeh DK; Aramburo MJ, Pediatr Radiol 1990; **21:** 23
retropharyngeal space: evaluation of normal anatomy and diseases with CT and MR imaging, Davis WL; Harnsberger HR; Smoker WRK; Watanabe AS, Radiology 1990; **174:** 59

Neck, injuries
avulsion of the cervical spinal ring apophyses: acute and chronic appearance, Jonsson K; Niklasson J; Josefsson PO, Skeletal Radiol 1991; **20:** 207
case of the month: not so pseudo, Wakeley CJ; Cassar-Pullicino VN; McCall IW, Br J Radiol 1991; **64:** 375
case report 570, Daffner RH, Skeletal Radiol 1989; **18:** 489
cervical spine trauma, (ab), Berquist TH, Radiology 1991; **178:** 591
extracranial carotid artery aneurysms following accidental injury: ten years experience, Sharma S; Rajani M; Mishra N; et al, Clin Radiol 1991; **43:** 162
hyperextension injuries of the cervical spine: magnetic resonance findings, Goldberg AL; Rothfus WE; Deeb ZL; et al, Skeletal Radiol 1989; **18:** 283
limited role of arteriography in penetrating neck trauma, (ab), Rivers SP; Patel Y; Delany HM; et al, Radiology 1989; **170:** 902
radio-functional analysis of the cervical spine using the Arlen method: part three: post-traumatic syndromes. a statistical analysis of 480 subjects, Kraemer M; Patris A, J Neuroradiol 1990; **17:** 125
radiographic findings of degeneration in cervical spines of middle-aged soccer players, Kurosawa H; Yamanoi T; Yamakoshi K-i, Skeletal Radiol 1991; **20:** 437
seat belt injuries: radiologic findings and clinical correlation, Hayes CW; Conway WF; Walsh JW; Coppage L; Gervin AS, Radiographics 1991; **11:** 23
stab wounds to the neck: role of angiography, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, Radiology 1989; **172:** 79
transient decrease in I-131 and Tc-99m thyroid uptake after neck trauma, Hardoff R; Greenberg E; Baron E; et al, Clin Nucl Med 1989; **14:** 850

Neck, MR
abnormal magnetic resonance scans of the cervical spine in asymptomatic subjects: a prospective investigation, (ab), Boden SD; McCowin PR; Davis DO; et al, Radiology 1991; **179:** 296
acute neck pain due to tendonitis of the longus colli: CT and MRI findings, Artenian DJ; Lipman JK; Scidmore GK; et al, Neuroradiol 1989; **31:** 166
extracranial lesions of the head and neck: preliminary experience with Gd-DTPA—enhanced MR imaging, Robinson JD; Crawford SC; Teresi LM; Schiller VL; Lufkin RB; Harnsberger HR; Dietrich RB; Crim JR; Duckwiler GR; Spickler EM; Hanafee WN, Radiology 1989; **172:** 165
head and neck lesions: MR-guided aspiration biopsy, Duckwiler GR; Lufkin RB; Teresi LM; Spickler E; Dion JE; Viñuela F; Bentson JR; Hanafee WN, Radiology 1989; **170:** 519
hyperextension injuries of the cervical spine: magnetic resonance findings, Goldberg AL; Rothfus WE; Deeb ZL; et al, Skeletal Radiol 1989; **18:** 283
imaging of the craniocervical junction, (ab), Hasso AN, Radiology 1990; **177:** 295
larynx: MR imaging at 2.35 T, Kikinis R; Wolfensberger M; Boesch C; Martin E, Radiology 1989; **171:** 165
MR imaging of the craniovertebral junction, cranium, and brain in children with achondroplasia, Kao SCS; Waziri MH; Smith WL; et al, AJR 1989; **153:** 565
neck, Mancuso AA; Dillon WP, Radiol Clin North Am 1989; **27:** 407
non-nodal neck masses, (ab), Holliday RA, Radiology 1991; **181:** 295
normal and diseased masticator space, Tryhus MR; Smoker WRK; Harnsberger HR, Semin US CT MR 1990; **11:** 476
parapharyngeal space: the key to unlocking the suprahyoid neck, Babbel RW; Harnsberger HR, Semin US CT MR 1990; **11:** 444
potential use of in vivo proton spectroscopy for head and neck lesions, Mafee MF; Bárány M; Gotsis ED; et al, Radiol Clin North Am 1989; **27:** 243
preliminary clinical results with low flip angle spin-echo MR imaging of the head and neck, Chisin R; Buxton RB; Ragozzino MW; et al, AJNR 1989; **10:** 719
role of gadolinium-DTPA in the evaluation of extracranial head and neck mass lesions, Crawford SC; Harnsberger HR; Lufkin RB; et al, Radiol Clin North Am 1989; **27:** 219

Neck, neoplasms
See Head and neck neoplasms

Neck, radiography
cervical spine flexion patterns, Bohrer SP; Chen YM; Sayers DG, Skeletal Radiol 1990; **19:** 521
pitfall-to-avoid: pharyngeal opacities caused by bismuth subgallate, Tannous WN; Azouz EM; Tewfik TL, J Canad Assoc Radiol 1989; **40:** 312
radio-functional analysis of the cervical spine using the Arlen method. a study of 699 subjects. part one: methodology, Kraemer M; Patris A, J Neuroradiol 1989; **16:** 48
radio-functional analysis of the cervical spine using the Arlen method. a study of 699 subjects. part two: paradoxical tilting of the atlas, Kraemer M; Patris A, J Neuroradiol 1989; **16:** 65

Neck, radionuclide studies
technetium-99m (v) dimercaptosuccinic acid uptake in patients with head and neck squamous carcinoma: experience in imaging, Watkinson JC; Lazarus CR; Mistry R; et al, J Nucl Med 1989; **30:** 174

Neck, therapeutic radiology
See Head and neck neoplasms, therapeutic radiology

Neck, US
malignant carotid artery invasion: sonographic detection, Gooding GAW; Langman AW; Dillon WP; Kaplan MJ, Radiology 1989; **171:** 435
normal sonographic appearance of the fetal neck late in the first trimester: the pseudomembrane, Hertzberg BS; Bowie JD; Carroll BS; Killam AP; Ruiz P, Radiology 1989; **171:** 427

Neoplasms
See also Radiations, injurious effects, neoplastic; Radiobiology; Therapeutic radiology; under names of organs and regions; under names of individual neoplasms
cancer and the Peutz-Jeghers syndrome, (ab), Spigelman AD; Murday V; Phillips RKS, Radiology 1990; **175:** 882
cancer by the year 2000: educational requirements for future oncologists, Einhorn J, Acta Oncol 1989; **28:** 723
cancer chemoprevention: a review of ongoing clinical studies, Costa A; Santoro G; Assimakopoulos G, Acta Oncol 1990; **29:** 657
cancer epidemiology: implications for prevention and treatment, Flamant R, Int J Radiat Oncol Biol Phys 1990; **19:** 1575
cancer mortality trends in Sweden 1960–1986, Rutqvist LE; Mattsson B; Signomklao T, Acta Oncol 1989; **28:** 771
cancer survival in Tasmania: a preliminary report, Wallington MM; McMillan KTP; Larsen GI; et al, Australas Radiol 1991; **35:** 178
can prenatal irradiation protect the embryo from tumor development?, Einhorn L, Acta Oncol 1991; **30:** 291
clinical and radiologic features of malignant neoplasms in organ transplant recipients: cyclosporine-treated vs untreated patients, Honda H; Barloon TJ; Franken EA Jr; et al, AJR 1990; **154:** 271

clinical symptoms and length of survival in patients with terminal cancer, (ab), Reuben DB; Mor V; Hiris J, Radiology 1989; **170:** 296

diet and cancer: a review, Miller AB, Acta Oncol 1990; **29:** 87

epidemiological studies of geographic variations of cancer incidence in Sweden: choice of variables and statistical units, Ehrenberg L; Ekman G; Svensson A, Acta Oncol 1990; **29:** 961

excess mortality rate: a useful concept in cancer epidemiology, Lenner P, Acta Oncol 1990; **29:** 573

experiences in home care of cancer patients: a new approach in cancer nursing, Ophof J; Leucht R; Frohmüller S; et al, Acta Oncol 1989; **28:** 35

from chimney sweeps to oncogenes: the quest for the causes of cancer, Hall EJ, Radiology 1991; **179:** 297

practising physicians' experiences of treating patients with cancer pain, Vainio A, Acta Oncol 1989; **28:** 177

prevalence of cancer in Sweden 1984, Adami H-O; Gunnarsson T; Sparén P; et al, Acta Oncol 1989; **28:** 463

progress against cancer: are we winning the war?, Doll R, Acta Oncol 1989; **28:** 611

spontaneous regression of cancer: a review of cases from 1900 to 1987, Challis GB; Stam HJ, Acta Oncol 1990; **29:** 545

supporting cancer care in the developing countries: role of IAEA/WHO, Nofal M; Durosinmi-Etti F; Hanson GP; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1249

therapeutic decision-making in clinical oncology: a matter of perspective, Kearsley JH, Australas Radiol 1989; **33:** 4

tumor markers in human biopsy material, Lehto V-P; Pontén J, Acta Oncol 1989; **28:** 743

Neoplasms, blood supply

blood flow in human tumors during local hyperthermia, Waterman FM; Tupchong L; Nerlinger RE; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1255

blood flow of human soft tissue sarcomas measured by thallium-201 scanning: prediction of tumor response to radiation, Nishizawa K; Okunieff P; Elmaleh D; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 593

effect of hydralazine on the blood flow in tumors and normal tissues in rats, Hasegawa T; Song CW, Int J Radiat Oncol Biol Phys 1991; **20:** 1001

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

metastasis and angiogenesis, Mahadevan V; Hart IR, Acta Oncol 1990; **29:** 97

misonidazole binding in SCCVII tumors in relation to the tumor blood supply, Olive PL; Durand RE, Int J Radiat Oncol Biol Phys 1989; **16:** 755

morphologic and hemodynamic comparison of tumor and healing normal tissue microvasculature, Dewhirst MW; Tso CY; Oliver R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 91

observations on the vascularization of secondary pulmonary neoplasms, Friedman PJ; Jonas AM; Carrington CB, Invest Radiol 1990; **25:** 423

tumor vascularization: assessment with duplex sonography, Dock W; Grabenwöger F; Metz V; Eibenberger K; Farrés MT, Radiology 1991; **181:** 241

Neoplasms, CT

computed tomographic staging of testicular tumours: an unexpected source of error, Tran T; Grech P; Crofton ME, Br J Radiol 1989; **62:** 942

Hickman nodule: a mimic of metastatic disease, Fernandez GG; Coblentz CL; Cooper C; Sallee DS, Radiology 1989; **171:** 401

Neoplasms, diagnosis

collaborative evaluations of diagnostic tests: experience of the Radiology Diagnostic Oncology Group, Gatsonis C; McNeil BJ, Radiology 1990; **175:** 571

cytological vs histological evaluation of percutaneous biopsies, Böcking A, Cardiovasc Intervent Radiol 1991; **14:** 5

guidelines on oncologic imaging: imaging considerations for specific tumor sites, Eur J Radiol Eur J Radiol 1989; **9:** S9

guidelines on oncologic imaging: strategies for oncologic imaging, Eur J Radiol Eur J Radiol 1989; **9:** S4

guidelines on oncologic imaging: techniques, Eur J Radiol Eur J Radiol 1989; **9:** S6

Hickman nodule: a mimic of metastatic disease, Fernandez GG; Coblentz CL; Cooper C; Sallee DS, Radiology 1989; **171:** 401

is the detection of fucose cancer markers by 2D ^{1}H NMR unequivocal?, Phillips PS; Herring FG, Magn Res Med 1990; **15:** 1

N-[^{18}F]fluoroacetyl-D-glucosamine: a potential agent for cancer diagnosis, Fujiwara T; Kubota K; Sato T; et al, J Nucl Med 1990; **31:** 1654

over- and underestimation of the sensitivity of a diagnostic malignancy test due to various selections of the study population, Taube A; Tholander B, Acta Oncol 1990; **29:** 971

proton NMR of blood plasma and the test for cancer, Herring FG; Phillips PS; Pritchard H; et al, Magn Res Med 1990; **16:** 35

radiation detector probes for tumor localization using tumor-seeking radioactive tracers, Woolfenden JM; Barber HB, AJR 1989; **153:** 35

radiologic role in diagnosis, staging, and follow-up of neoplasia of the brain, spine, and head and neck, Harnsberger HR; Dillon WP, Semin US CT MR 1989; **10:** 431

Neoplasms, embolization

See Arteries, therapeutic blockade

Neoplasms, experimental

antitumor effects of interferon, Gresser I, Acta Oncol 1989; **28:** 347

chemosensitizing and cytotoxic effects of RSU 1164 and RSU 1165 in a murine tumor model, Siemann DW, Int J Radiat Oncol Biol Phys 1989; **16:** 1115

combined effect of radiation and YM-881 (SMANCS) on murine tumors and bone marrow, Ono K; Wandl E; Sasai K; et al, Acta Oncol 1990; **29:** 455

comparison of colorimetric and clonogenic assays for hypoxic-specific toxins with hamster and human cells, Watts ME; Roberts IJ; Woodcock M, Int J Radiat Oncol Biol Phys 1989; **16:** 939

comparison of radiosensitization by etanidazole and pimonidazole in mouse tumors, Stone HB; Hirst VK; Cribbs R; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 987

direct hepatic tumor injection in rats: can it be used for analysis of MR imaging contrast agents?, Murphy FB; Fernandez MdP; Kossoff MB; Dillehay DL; Malko JA; Bernardino ME, JMRI 1991; **1:** 83

DNA cytometric and histologic findings in mouse tumors (BP and S 180) with different response to treatment with tumor necrosis factor, Rychly J; Knippel E; Krygier-Stojalowska A; et al, Acta Oncol 1990; **29:** 47

DNA flow cytometric analysis of human nasopharyngeal carcinoma in nude mice, Shilong C; Taifu L; Zhenhua W; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 343

effect of hydralazine on the blood flow in tumors and normal tissues in rats, Hasegawa T; Song CW, Int J Radiat Oncol Biol Phys 1991; **20:** 1001

effects of the manipulation of oxyhemoglobin status by BW12C on tumor thermosensitivity and on blood flow in tumor and normal tissues in mice, Honess DJ; White RD; Nethersell ABW; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1187

effects of varying potential and electrolytic dosage in direct current treatment of tumors, Heiberg E; Nalesnik WJ; Janney C, Acta Radiol 1991; **32:** 174

electrolysis with different electrode materials and combined with irradiation for treatment of experimental rat tumors, Samuelsson L; Jönsson L; Lamm I-L; et al, Acta Radiol 1991; **32:** 178

establishment, characteristics, and utilization of a new *in vivo-in vitro* system, Ji-Rong S; Yu S; Shen-Ru L; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 353

estimation of clonogenic cell fraction in primary cultures derived from human squamous cell carcinomas, Geara F; Girinski TA; Chavaudra N; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 661

evaluation of cell subpopulations isolated from human tumor xenografts by centrifugal elutriation, Keng PC; Allalunis-Turner J; Siemann DW, Int J Radiat Oncol Biol Phys 1990; **18:** 1061

experimental hepatocellular carcinoma: MR receptor imaging, Reimer P; Weissleder R; Brady TJ; Yeager AE; Baldwin BH; Tennant BC; Wittenberg J, Radiology 1991; **180:** 641

growth and cell kinetics of a secondary tumor after radiation or surgical treatment of the primary tumor, Ramsay J; Zietman A; Preffer F; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 809

histological evidence for nonperfused vasculature in a murine tumor following hydralazine administration, Trotter MJ; Acker BD; Chaplin DJ, Int J Radiat Oncol Biol Phys 1989; **17:** 785

hypoxic fractions of human tumors xenografted into mice: a review, Rockwell S; Moulder JE, Int J Radiat Oncol Biol Phys 1990; **19:** 197

induction of severe tumor hypoxia by modifiers of the oxygen affinity of hemoglobin, Adams GE; Stratford IJ; Nethersell ABW; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1179

inhibition of recovery from potentially lethal radiation damage in A549 cells by the K^+/H^+ ionophore nigericin, Varnes ME; Menegay HJ; McKenna DS, Int J Radiat Oncol Biol Phys 1991; **20:** 281

interaction between flavone acetic acid (LM-975, NSC 349512) and radiation in Glasgow's osteogenic sarcoma *in vivo*, De Neve W; Evelhoch J; Everett C; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1359

kinetics of vascular thermotolerance in SCK tumors of A/J mice, Song CW; Lin J-C; Chelstrom LM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 799

liver-lesion tissue contrast on MR images: effect of iron oxide concentration and magnetic field strength, Thickman D; Hendrick RE; Jerjian KA; Schanker CS, Radiology 1990; **176:** 557

pharmacokinetics of Ro 03-8799 in mice bearing melanosarcoma: comparison with tumors without melanin, Laurent F; Canal P; Soula G, Int J Radiat Oncol Biol Phys 1989; **16:** 1101

potential of lactate and succinate to kill nutrient deprived tumor cells by intracellular acidification, Dobrowsky E; Newell K; Tannock IF, Int J Radiat Oncol Biol Phys 1991; **20:** 275

proportion of stem cells in murine tumors, Hill RP; Milas L, Int J Radiat Oncol Biol Phys 1989; **16:** 513

quantitation of hypoxia in multicellular spheroids by video image analysis, Miller GG; Best MW; Franko AJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 949

radiation sensitivity of Copenhagan rat prostatic carcinoma (R3327-AT and R3327-MATLyLu), Rao BR; Slotman BJ; Geldof AA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 981

radiostrontium-induced oncogenesis and the role of immunosuppression: II. influence of ^{90}Sr dose, adult thymectomy and antilymphocyteglobulin treatment on the development of lympho-reticular and extraskeletal, neoplastic lesions in CBA mice, Bierke P; Nilsson A, Acta Oncol 1990; **29:** 53

reoxygenation in a rat rhabdomyosarcoma tumor following X-irradiation, Afzal SMJ; Tenforde TS; Kavanau KS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 473

response of hypoxic cells in SCCVII murine tumors to treatment with cisplatin and x rays, Yan R; Durand RE, Int J Radiat Oncol Biol Phys 1991; **20:** 271

response of rat rhabdomyosarcoma tumors to split doses of mixed high- and low-LET radiation, Tenforde TS; Montoya VJ; Afzal SMJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1529

response of the KHT sarcoma to radiotherapy as measured by water proton NMR relaxation times: relationships with tumor volume and water content, Belfi CA; Medendorp SV; Ngo FQH, Int J Radiat Oncol Biol Phys 1991; **20:** 497

selective 2-[^{18}F]fluorodopa uptake for melanogenesis in murine metastatic melanomas, Ishiwata K; Kubota K; Kubota R; et al, J Nucl Med 1991; **32:** 95

selective uptake of toxic nucleoside (^{125}IUdR) by resistant cancer, Bagshawe KD; Sharma SK; Southall PJ; et al, Br J Radiol 1991; **64:** 37

serotonin-producing carcinoid tumour cells in long-term culture: studies on serotonin release and morphological features, Åhlund L; Nilsson O; Kling-Petersen T; et al, Acta Oncol 1989; **28:** 341

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

targeting of human glioma xenografts *in vivo* utilizing radiolabeled antibodies, Williams JA; Wessels BW; Wharam MD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1367

tumor cell proliferation kinetics and tumor growth rate, Tubiana M, Acta Oncol 1989; **28:** 113

tumors growing in irradiated tissue: oxygenation, metabolic state, and pH, Okunieff P; Urano M; Kallinowski F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 667

tumor tissue oxygenation as evaluated by computerized-pO_2-histography, Kallinowski F; Zander R; Hoeckel M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 953

use of fluorescent probes to identify regions of transient perfusion in murine tumors, Trotter MJ; Chaplin DJ; Durand RE; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 931

Neoplasms, in infants and children

4-S neuroblastoma on high field MR, Hall-Craggs MA; Finn JP; Malone M; et al, Pediatr Radiol 1989; **20:** 124

case report: congenital mesoblastic nephroma occurring in a solitary kidney, Nicholson DA; Gupta SC, Clin Radiol 1990; **41:** 211

case report: mediastinal lipoblastoma of infancy, Whyte AM; Powell N, Clin Radiol 1990; **42:** 205

"chordoid" meningeal tumors in young individuals with peritumoral lymphoplasmacellular infiltrates causing systemic manifestations of the Castleman syndrome: a report of seven cases, (ab), Kepes JJ; Chen WY-K; Connors MH; et al, Radiology 1989; **170:** 591

clear cell sarcoma of the kidney: CT, sonographic, and pathologic correlation, Glass RBJ; Davidson AJ; Fernbach SK, Radiology 1991; **180:** 715

colorectal adenocarcinoma in childhood and adolescent: report of 11 cases and review of the literature, Lamego CMB; Torloni H, Pediatr Radiol 1989; **19:** 504

computed tomography in the diagnosis of lymphangiomas in infants and children, Caro PA; Mahboubi S; Faerber EN, Clin Imag 1991; **15:** 41

cranial chordomas in infancy and childhood. a report of two cases and review of the literature, Matsumoto J; Towbin RB; Ball WS Jr, Pediatr Radiol 1989; **20:** 28

CT and ultrasound imaging of pelvic rhabdomyosarcoma in children: a review of 56 patients, Tannous WN; Azouz EM; Homsy YL; et al, Pediatr Radiol 1989; **19:** 530

CT-guided percutaneous large-bore biopsies in benign and malignant pediatric lesions, Klose K-C; Mertens R; Alzen G; et al, Cardiovasc Intervent Radiol 1991; **14:** 78

direct coronal CT scanning of tracheo-bronchial, pulmonary and thoraco-abdominal lesions in children, Bar-Ziv J; Solomon A, Pediatr Radiol 1990; **20:** 245

follow-up imaging of benign pediatric liver tumors, Leary DL; Weiskittel DA; Blane CE; et al, Pediatr Radiol 1989; **19:** 234

from the archives of the AFIP: osteoid osteoma, Kransdorf MJ; Stull MA; Gilkey FW; Moser RP Jr, Radiographics 1991; **11:** 671

gastric inflammatory pseudotumor in children, Maves CK; Johnson JF; Bove K; Malott RL, Radiology 1989; **173:** 381

Gd-DTPA–enhanced MR imaging of leptomeningeal spread of primary intracranial CNS tumor in children, Rippe DJ; Boyko OB; Friedman HS; et al, AJNR 1990; **11:** 329

imaging of sacrococcygeal germ cell tumors, Wells RG; Sty JR, Radiographics 1990; **10:** 701

intraoperative radiotherapy in the multidisciplinary treatment of pediatric tumors: a preliminary report on initial results, Calvo FA; Sierrasesúmaga L; Martin I; et al, Acta Oncol 1989; **28:** 257

keynote address: contributions of pediatric oncology: examples derived from advances made in the treatment of rhabdomyosarcoma and neuroblastoma, Cassady JR, Int J Radiat Oncol Biol Phys 1991; **20:** 1177

local control and survival of Ewing's sarcoma in children with radiotherapy and chemotherapy without radical surgery, Munoz A; Madero L; Amaya J; et al, Acta Oncol 1989; **28:** 245

malignant germ cell sacrococcygeal tumors in children: improved prognosis after introduction of cisplatin-containing multiple drug treatment, Diez B; Richard L, Acta Oncol 1989; **28:** 249

malignant neoplasms arising in cystic hamartomas of the lung in childhood, Hedlund GL; Bisset GS III; Bove KE, Radiology 1989; **173:** 77

malignant rhabdoid tumor of the kidney: imaging features in two cases, Eftekhari F; Erly WK; Jaffe N, Pediatr Radiol 1990; **21:** 39

many faces of neuroblastoma, David R; Lamki N; Fan S; Singleton EB; Eftekhari F; Shirkhoda A; Kumar R; Madewell JE, Radiographics 1989; **9:** 859

melanotic neuroectodermal tumor of infancy: clinical, radiologic, and pathologic findings in five cases, Mirich DR; Blaser SI; Harwood-Nash DC; et al, AJNR 1991; **12:** 689

melanotic neuroectodermal tumor of infancy: MR findings and a review of the literature, Atkinson GO Jr; Davis PC; Patrick LE; et al, Pediatr Radiol 1989; **20:** 20

mesenchymal hamartoma of the chest wall in infancy, Gwyther SJ; Hall CM, Clin Radiol 1991; **43:** 24

nasopharyngeal carcinoma in the young: a combined M. D. Anderson and Stanford experience, Ingersoll L; Woo SY; Donaldson S; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 881

neuroblastoma: imaging evaluation by sequential Tc-99m MDP, I-131 MIBG, and Ga-67 citrate studies, Garty I; Friedman A; Sandler MP; et al, Clin Nucl Med 1989; **14:** 515

neuroblastoma of the tail of the pancreas in childhood, Hoeffel JC; Galloy MA; Schmitt C; et al, Br J Radiol 1991; **64:** 167

osteoblastoma: clinical and radiologic findings in 98 new cases, Kroon HM; Schurmans J, Radiology 1990; **175:** 783

pediatric case of the day, Seidel FG; Magill HL; Burton EM; Boulden TF; Brooks MT; Hanna SL, Radiographics 1990; **10:** 728

pediatric case of the day, Nimkin K; Griscom NT, Radiographics 1991; **11:** 338

pediatric case of the day, Wootton SL; Rowen SJ; Griscom NT, Radiographics 1991; **11:** 719

pediatric case of the day, Braverman RM; Lipshultz SE; McCarten KM; Griscom NT, Radiographics 1991; **11:** 932

pediatric choroid plexus neoplasms: MR, CT, and pathologic correlation, Coates TL; Hinshaw DB Jr; Peckman N; Thompson JR; Hasso AN; Holshouser BA; Knierim DS, Radiology 1989; **173:** 81

pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345

pediatric solid tumors: evaluation by gallium-67 SPECT studies, Rossleigh MA; Murray IPC; Mackey DWJ; et al, J Nucl Med 1990; **31:** 168

perirenal hemangioendothelioma in a newborn: sonograph and MR findings, Koci TM; Worthen NJ; Phillips JJ; et al, JCAT 1989; **13:** 145

pleuropulmonary blastoma: the so-called pulmonary blastoma of childhood, (ab), Manivel JC; Priest JR; Watterson J; et al, Radiology 1989; **171:** 591

posterior fossa medulloblastoma in childhood: treatment results and a proposal for a new staging system, Jenkin D; Goddard K; Armstrong D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 265

posterior mediastinal cystic teratoma surrounded by fat in a 13 month old boy: value of magnetic resonance imaging, Ruzal-Shapiro C; Abramson SJ; Berdon WE, Pediatr Radiol 1989; **20:** 107

predictive value of initial cytostatic response in primary unresectable rhabdomyosarcoma in children, Treuner J; Suder J; Keim M; et al, Acta Oncol 1989; **28:** 67

primary malignant liver tumors in childhood: assessment of resectability with high-field MR and comparison with CT, Finn JP; Hall-Craggs MA; Dicks-Mireaux C; et al, Pediatr Radiol 1990; **21:** 34

primary sacral bone tumours in children (report of 16 cases with a short literature review), Kozlowski K; Barylak A; Campbell J; et al, Australas Radiol 1990; **34:** 142

pulmonary blastoma: a rare childhood malignancy, Senac MO Jr; Wood BP; Isaacs H; Weller M, Radiology 1991; **179:** 743

pulmonary metastases in children: results of surgical treatment, (ab), Di Lorenzo M; Collin P-P, Radiology 1989; **171:** 295

radiology of Askin tumours, Saifuddin A; Robertson RJH; Smith SEW, Clin Radiol 1991; **43:** 19

rhabdoid tumor of the kidney presenting as an abdominal mass in a newborn, Chung CJ; Cammoun D; Munden M, Pediatr Radiol 1990; **20:** 562

small pediatric renal neoplasms detected by CT, Levine C; Levine E, JCAT 1990; **14:** 615

soft-tissue tumors of the hand and wrist of children, Azouz EM; Kozlowski K; Masel J, J Canad Assoc Radiol 1989; **40:** 251

sonographic features of benign intraperitoneal lipomatous tumors in children—report of 4 cases, Prando A; Wallace S; Marins JLC; et al, Pediatr Radiol 1990; **20:** 571

spontaneous liver adenoma in a child, Bourliere-Najean B; Panuel M; Guys JM; et al, Pediatr Radiol 1989; **20:** 95

sternocleidomastoid tumor of infancy: CT manifestations, Norton KI; Shugar JMA; Som PM; et al, JCAT 1991; **15:** 158

VIP secreting tumours in infancy: a review of radiological appearances, Davies RP; Slavotinek JP; Dorney SFA, Pediatr Radiol 1990; **20:** 504

Wilms' and associated renal tumors of childhood, White KS; Grossman H, Pediatr Radiol 1991; **21:** 81

Neoplasms, metastases

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV, Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

CT and pathologic predictive features of residual mass histologic findings after chemotherapy for nonseminomatous germ cell tumors: can residual malignancy or teratoma be excluded?, Stomper PC; Kalish LA; Garnick MB; Richie JP; Kantoff PW, Radiology 1991; **180:** 711

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

esophagogastric carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; Schouwink MH; Tytgat GNJ, Radiology 1989; **173:** 411

Hickman nodule: a mimic of metastatic disease, Fernandez GG; Coblentz CL; Cooper C; Sallee DS, Radiology 1989; **171:** 401

metastasis and angiogenesis, Mahadevan V; Hart IR, Acta Oncol 1990; **29:** 97

neuroimaging of disseminated germ cell neoplasms, Mathews VP; Broome DR; Smith RR; et al, AJR 1990; **154:** 1299

Neoplasms, MR

9.4-T NMR microimaging studies of hepatic metastases of human colorectal tumors in nude mice, Sarkar SK; Clark RK; Rycyna RE; et al, Magn Res Med 1989; **12:** 268

assessment of the sensitivity of *in vivo* ^{31}P nuclear magnetic resonance spectroscopy as a means of detecting pH heterogeneity in tumours: a simulation study, Madden A; Glaholm J; Leach MO, Br J Radiol 1990; **63:** 120

body MR imaging and the local staging of neoplasms, Aisen AM, Radiology 1990; **176:** 617

characterization of tumor hypoxia by ^{31}P MR spectroscopy, Steen RG, AJR 1991; **157:** 243

clinical NMR spectroscopy of tumors: current status and future directions, Glickson JD, Invest Radiol 1989; **24:** 1011

contrast-enhanced MRI of tumors: comparison of Gd-DTPA and a macromolecular agent, Wikström MG; Moseley ME; White DL; et al, Invest Radiol 1989; **24:** 609

correlation between oxygen tension and spin-lattice relaxation rate in tumors, Akber SF, Eur J Radiol 1989; **9:** 56

correlation between spin lattice relaxation time and tumor growth, Akber SF, Eur J Radiol 1989; **9:** 198

correlations between *in vivo* ^{31}P NMR spectroscopy measurements, tumor size, hypoxic fraction and cell survival after radiotherapy, Fu KK; Wendland MF; Iyer SB; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1341

diffusion-weighted MR imaging of extraaxial tumors, Tsuruda JS; Chew WM; Moseley ME; et al, Magn Res Med 1991; **19:** 316

evaluation of tumor energy metabolism and microvascular blood flow after glucose or mannitol administration using ^{31}P nuclear magnetic resonance spectroscopy and laser Doppler flowmetry, Okunieff P; Vaupel P; Sedlacek R; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1493

fucose in ^{1}H COSY spectra of plasma membrane fragments shed from human malignant colorectal cells, Lean CL; Mackinnon WB; Mountford CE, Magn Res Med 1991; **20:** 306

identification of tumor hemorrhage in an animal model using spin echoes and gradient echoes, Van Bruggen N; Syha J; Busza AL; et al, Magn Res Med 1990; **15:** 121

imaging tumors with respect to a grid coordinate system by proton magnetic resonance using lipid suppression and T_2 weighting, Block RE; Parekh BC, Magn Res Med 1989; **11:** 244

in situ assessment of tumor vascularity using fluorine NMR imaging, Ceckler TL; Gibson SL; Hilf R; et al, Magn Res Med 1990; **13:** 416

in vivo measurements of vascular oxygen tension in tumors using MRI of a fluorinated blood substitute, Fishman JE; Joseph PM; Carvlin MJ; et al, Invest Radiol 1989; **24:** 65

in vivo ^{31}P nuclear magnetic resonance spectroscopy of rat 9L gliosarcoma treated with BCNU: dose response of spectral changes, Steen RG; Tamargo RJ; Brem H; et al, Magn Res Med 1989; **11:** 258

magnetic resonance imaging of myxoid containing tumors, Peterson KK; Renfrew DL; Feddersen RM; et al, Skeletal Radiol 1991; **20:** 245

magnetic resonance spectroscopy in cancer research, Smith ICP; Princz EJ; Saunders JK, J Canad Assoc Radiol 1990; **41:** 32

melanotic neuroectodermal tumor of infancy: MR findings and a review of the literature, Atkinson GO Jr; Davis PC; Patrick LE; et al, Pediatr Radiol 1989; **20:** 20

metalloporphyrins as contrast agents for tumors in magnetic resonance imaging, Place DA; Faustino PJ; Van Zijl PCM; et al, Invest Radiol 1990; **25:** S69

monitoring therapeutic response of human superficial tumors using phase-encoded spectroscopy, Majors AW; Ng TC; Xue M; et al, Magn Res Med 1989; **12:** 369

MR imaging of liposarcomas: correlation of MR features and histology, London J; Kim EE; Wallace S; et al, JCAT 1989; **13:** 832

MR imaging of small hepatocellular carcinoma: effect of intratumoral copper content on signal intensity, Ebara M; Watanabe S; Kita K; Yoshikawa M; Sugiura N; Ohto M; Kondo F; Kondo Y, Radiology 1991; **180:** 617

musculoskeletal neoplasms after intraarterial chemotherapy: correlation of MR images with pathologic specimens, Sanchez RB; Quinn SF; Walling A; Estrada J; Greenberg H, Radiology 1990; **174:** 237

nonneoplastic enhancing lesions mimicking intracanalicular acoustic neuroma on gadolinium-enhanced MR images, Han MH; Jabour BA; Andrews JC; Canalis RF; Chen F-h; Anzai Y; Becker DP; Lufkin RB; Hanafee WN, Radiology 1991; **179:** 795

proton nuclear magnetic resonance imaging as a predictor of the outcome of photodynamic therapy of tumours, Moore JV; Dodd NJF; Wood B, Br J Radiol 1989; **62:** 869

recurrent medulloblastoma: frequency of tumor enhancement on Gd-DTPA MR imaging, Rollins N; Mendelsohn D; Mulne A; et al, AJR 1990; **155:** 153

response of tumors to therapy studied by ^{31}P magnetic resonance spectroscopy, Karczmar GS; Meyerhoff DJ; Speder A; et al, Invest Radiol 1989; **24:** 1020

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

tumor characterization using unconventional MR modalities, Griffey RH, Invest Radiol 1989; **24:** 985

use of MR imaging to assess results of chemotherapy for Ewing sarcoma, Lemmi MA; Fletcher BD; Marina NM; et al, AJR 1990; **155:** 343

Neoplasms, radionuclide studies

analogy between tumor uptake of technetium(V)-99m dimercaptosuccinic acid (DMSA) and technetium-99m-MDP, Wulfrank DA; Schelstraete KH; Small F; et al, Clin Nucl Med 1989; **14:** 588

applications of PET in clinical oncology, Strauss LG; Conti PS, J Nucl Med 1991; **32:** 623

assessment of response to cancer therapy using fluorine-18-fluorodeoxyglucose and positron emission tomography, Ichiya Y; Kuwabara Y; Otsuka M; et al, J Nucl Med 1991; **32:** 1655

in vivo use of a radioiodinated somatostatin analogue: dynamics, metabolism, and binding to somatostatin receptor-positive tumors in man, Bakker WH; Krenning EP; Breeman WA; et al, J Nucl Med 1991; **32:** 1184

N-[^{18}F]fluoroacetyl-D-glucosamine: a potential agent for cancer diagnosis, Fujiwara T; Kubota K; Sato T; et al, J Nucl Med 1990; **31:** 1654

nuclear medicine. RSNA '90 meeting notes, Mettler FA Jr; Miller TR; Spies WG, Radiology 1991; **178:** 601

pentavalent technetium-99m-DMSA uptake in a patient having multiple myeloma without amyloidosis, Ohnishi T; Noguchi S; Murakami N; et al, J Nucl Med 1991; **32:** 1785

PET measurements of hyperthermia-induced suppression of protein synthesis in tumors in relation to effects on tumor growth, Daemen BJG; Elsinga PH; Mooibroek J; et al, J Nucl Med 1991; **32:** 1587

quantitative evaluation of L-[methyl-C-11] methionine uptake in tumor using positron emission tomography, Hatazawa J; Ishiwata K; Itoh M; et al, J Nucl Med 1989; **30:** 1809

quantitative in vivo measurements of tumor perfusion using rubidium-81 and positron emission tomography, Cherry SR; Carnochan P; Babich JW; et al, J Nucl Med 1990; **31:** 1307

successful imaging of human cancer with indium-111-labeled phospholipid vesicles, (ab), Presant CA; Proffitt RT; Turner AF; et al, Radiology 1989; **171:** 592

tumor visualization with a radioiodinated phospholipid ether, Counsell RE; Schwendner SW; Meyer KL; et al, J Nucl Med 1990; **31:** 332

variables influencing tumor uptake of anti-melanoma monoclonal antibodies radioiodinated using para-iodobenzoyl (PIB) conjugate, Murray JL; Mujoo K; Wilmanns C; et al, J Nucl Med 1991; **32:** 279

Neoplasms, staging

ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA, Radiology 1990; **175:** 455

body MR imaging and the local staging of neoplasms, Aisen AM, Radiology 1990; **176:** 617

colorectal cancer: cross-sectional imaging for staging of primary tumor and detection of local recurrence, Thoeni RF, AJR 1991; **156:** 909

computed tomographic evaluation and staging of cecal carcinoma, Keeney G; Jafri SZH; Mezwa DG, Gastrointest Radiol 1989; **14:** 65

computed tomographic staging of anterior mediastinal neoplasms, (ab), Rendina EA; Venuta F; Ceroni L; et al, Radiology 1989; **171:** 882

computed tomographic staging of testicular tumours: an unexpected source of error, Tran T; Grech P; Crofton ME, Br J Radiol 1989; **62:** 942

computed tomography and endosonography in the preoperative staging of rectal carcinoma, Rotte KH; Klühs L; Kleinau H; et al, Eur J Radiol 1989; **9:** 187

computed tomography in nasopharyngeal carcinoma: part II: impact on survival, Cellai E; Olmi P; Chiavacci A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1177

computed tomography in nasopharyngeal carcinoma: part I: T-stage conversion with CT-staging, Olmi P; Cellai E; Chiavacci A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1171

esophagogastric carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; Schouwink MH; Tytgat GNJ, Radiology 1989; **173:** 411

invasion of the neurovascular bundle by prostate cancer: evaluation with MR imaging, Tempany CMC; Rahmouni AD; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; **181:** 107

MR imaging in the staging of prostate cancer, (ab), Rifkin MD, Radiology 1991; **181:** 612

MR imaging of liposarcomas: correlation of MR features and histology, London J; Kim EE; Wallace S; et al, JCAT 1989; **13:** 832

preoperative staging of rectal carcinoma with MR imaging: surgical and histopathologic correlation, de Lange EE; Fechner RE; Edge SB; Spaulding CA, Radiology 1990; **176:** 623

radiologic role in diagnosis, staging, and follow-up of neoplasia of the brain, spine, and head and neck, Harnsberger HR; Dillon WP, Semin US CT MR 1989; **10:** 431

radiology and the new TNM classification of tumors: the future, Sobin LH; Ros PR, Radiology 1990; **176:** 1

rectal carcinoma: staging at MR imaging with endorectal surface coil. work in progress, Chan TW; Kressel HY; Milestone B; Tomachefski J; Schnall M; Rosato E; Daly J, Radiology 1991; **181:** 461

staging abdominal ultrasonography in nasopharyngeal carcinoma, Leung SF; Metreweli C; Tsao SY; et al, Australas Radiol 1991; **35:** 31

staging and treatment of ovarian carcinoma, De Palo G, Acta Oncol 1989; **28:** 163

staging of esophageal carcinoma: comparison of results with endoscopic sonography and CT, Vilgrain V; Mompoint D; Palazzo L; et al, AJR 1990; **155:** 277

staging of ureteral transitional cell carcinoma by CT and MRI, (ab), Milestone B; Friedman AC; Seidmon EJ; et al, Radiology 1991; **179:** 293

transrectal ultrasound and computed tomography in preoperative staging of lower rectal adenocarcinoma, Goldman S; Arvidsson H; Norming U; et al, Gastrointest Radiol 1991; **16:** 259

Neoplasms, therapeutic radiology
CT-guided thermocouple placement for hyperthermia treatment, Banerian KG; Roberts JL; Borrego JC; Martinez A, Radiographics 1990; **10:** 499
desmoid tumors: a 20-year radiotherapy experience, Sherman NE; Romsdahl M; Evans H; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 37
development of a stable radioiodinating reagent to label monoclonal antibodies for radiotherapy of cancer, Wilbur DS; Hadley SW; Hylarides MD; et al, J Nucl Med 1989; **30:** 216
effect of combination therapy of radiation and local administration of OK-432 on a murine fibrosarcoma, Mukai M; Ando K; Koike S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 125
growth and cell kinetics of a secondary tumor after radiation or surgical treatment of the primary tumor, Ramsay J; Zietman A; Preffer F; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 809
oncology/radiation therapy: RSNA '89 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1990; **174:** 919
recurrent pituitary adenomas after surgical resection: the role of radiation therapy, Kovalic JJ; Grigsby PW; Fineberg BB, Radiology 1990; **177:** 273
T1-T2 carcinoma of the glottis: relative hypofractionation, Randall ME; Springer DJ; Raben M, Radiology 1991; **179:** 569
three-port perineal sparing technique, Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM, Radiology 1991; **180:** 563

Neoplasms, therapy
antitumor effects of interferon, Gresser I, Acta Oncol 1989; **28:** 347
cisplatin and radiation: interaction probabilities and therapeutic possibilities, Begg AC, Int J Radiat Oncol Biol Phys 1990; **19:** 1183
clinical effects of interferon therapy with special emphasis on antitumor efficacy, Strander HA, Acta Oncol 1989; **28:** 355
clinical experience with thermotron RF-8 capacitive heating for bulky tumors: University of Minnesota experience, Lee CKK; Song CW; Rhee JG; et al, Radiol Clin North Am 1989; **27:** 543
clinical hyperthermia and chemotherapy, Storm FK, Radiol Clin North Am 1989; **27:** 621
clinical trials with local (external and interstitial) irradiation and hyperthermia: current and future perspectives, Perez CA; Emami BN, Radiol Clin North Am 1989; **27:** 525
drug development for cancer: implications for chemical modifiers, Chabner BA; Shoemaker D, Int J Radiat Oncol Biol Phys 1989; **16:** 907
effects of varying potential and electrolytic dosage in direct current treatment of tumors, Heiberg E; Nalesnik WJ; Janney C, Acta Radiol 1991; **32:** 174
electrolysis with different electrode materials and combined with irradiation for treatment of experimental rat tumors, Samuelsson L; Jönsson L; Lamm I-L; et al, Acta Radiol 1991; **32:** 178
has hyperthermia a place in cancer treatment?, Dunlop PRC; Howard GCW, Clin Radiol 1989; **40:** 76
historical aspects of hyperthermia in cancer therapy, Hornbeck [illegible] Radiol Clin North Am 1989; **27:** 481
microphar[illegible]emical modifiers, Workman P, Int J Radiat Oncol Biol Phys 1989; **16:** 897
new therapeutic moda[illegible] cancer, Thomas H; Sikora [illegible] Oncol 1991; **30:** 107
percutaneous cathe[illegible]ainage of necrotic tumors: CT dem[illegible]ration, Abbitt PL; Armstrong P, [illegible] 1989; **13:** 437
proton nuclear magnetic resonance imaging as a predictor of the outcome of photodynamic therapy of tumours, Moore JV; Dodd NJF; Wood B, Br J Radiol 1989; **62:** 869
whole body hyperthermia in the treatment of neoplastic disease, Robins HI; Hugander A; Cohen JD, Radiol Clin North Am 1989; **27:** 603

Neoplasms, US
ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA, Radiology 1990; **175:** 455
early carcinoma of the gallbladder: macroscopic features and US findings, Tsuchiya Y, Radiology 1991; **179:** 171
esophagogastric carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; Schouwink MH; Tytgat GNJ, Radiology 1989; **173:** 411
ultrasonography in oncology: a review, Dalla Palma L; Pozzi Mucelli RS; Ricci C; et al, Acta Oncol 1989; **28:** 157

Nephritis
case report: xanthogranulomatous pyelonephritis in childhood, Hughes PM; Gupta SC; Thomas NB, Clin Radiol 1990; **41:** 360
coexistent xanthogranulomatous pyelonephritis and massive replacement lipomatosis of the kidney: CT diagnosis, Acunaş B; Acunaş G; Rozanes I; et al, Urol Radiol 1990; **12:** 88
computerized tomography in acute pyelonephritis: the clinical correlations, (ab), Tsugaya M; Hirao N; Sakagami H; et al, Radiology 1991; **178:** 898
diagnosis of acute pyelonephritis in children: comparison of sonography and ^{99m}Tc-DMSA scintigraphy, Björgvinsson E; Majd M; Eggli KD, AJR 1991; **157:** 539
emphysematous pyelitis in a Cushinoid patient mimicking a subphrenic abscess: diagnosis by sonography, Carrington BM; Khan AN, JCU 1989; **17:** 453
emphysematous pyelonephritis in a polycystic kidney: demonstration by ultrasound and computed tomography, Chou Y-H; Tiu C-M; Chen T-W; et al, J Ultrasound Med 1990; **9:** 355
emphysematous pyelonephritis: radiologic and clinical findings in six cases, Päivänsalo M; Hellström P; Siniluoto T; et al, Acta Radiol 1989; **30:** 311
emphysematous pyelonephritis simulating intestinal obstruction and pneumatosis intestinalis, Yip CKY; Wong HYN; Chan PSF; et al, Australas Radiol 1990; **34:** 344
evolving concepts in the diagnosis of xanthogranulomatous pyelonephritis, Parker MD; Clark RL, Urol Radiol 1989; **11:** 7
focal xanthogranulomatous pyelonephritis simulating a renal tumor: CT characteristics, Shah M; Haaga JR, JCAT 1989; **13:** 712
from the archives of the AFIP: xanthogranulomatous pyelonephritis, Hayes WS; Hartman DS; Sesterhenn IA, Radiographics 1991; **11:** 485
gallbladder wall thickening in acute pyelonephritis, Talarico HP; Rubens D, JCU 1990; **18:** 653
intravenous pyelogram in acute pyelonephritis, (ab), Kanel KT; Kroboth FJ; Schwentker FN; et al, Radiology 1989; **171:** 588
migratory lobar nephronia, Silverman SG; Pfister RC; Papanicolaou N; et al, Urol Radiol 1989; **11:** 16
optimal use of ^{99m}technetium-glucoheptonate scintigraphy in the detection of pyelonephritic scarring in children: a preliminary report, (ab), Shapiro E; Slovis TL; Perlmutter AD; et al, Radiology 1989; **172:** 591
pancreatitis causing focal caliectasis, Fishman M; Talner LB, AJR 1991; **156:** 1005
percutaneous management of localized emphysematous pyelonephritis, Zagoria RJ; Dyer RB; Harrison LH; Adams PL, JVIR 1991; **2:** 156
sequelae of acute renal infections: CT evaluation, Soulen MC; Fishman EK; Goldman SM, Radiology 1989; **173:** 423
unusual Tc-99m MDP and I-123 MIBG images in focal pyelonephritis, Jacobs A; Lenoir P; Delree M; et al, Clin Nucl Med 1990; **15:** 821
xanthogranulomatous pyelonephritis in children: analysis by diagnostic modalities, Zafaranloo S; Gerard PS; Bryk D, Urol Radiol 1990; **12:** 18

Nephrocalcinosis
See Kidney, calcification

Nephrolithiasis
See Kidney, calculi

Nephroma
See Kidney neoplasms

Nephrostomy
See Kidney, interventional procedure

Nerves
head and neck radiology: RSNA '89 meeting notes, Som PM; Curtin HD; Reede DL; Holliday RA; Mancuso AA, Radiology 1990; **174:** 909
neuroanatomy and pathophysiology of pain related to spinal disorders, Group M; Stanton-Hicks M, Radiol Clin North Am 1991; **29:** 665
neurography using the intramuscular injection of ionic iodine contrast media, Penev B; Goldner B; Pišteljič D, Neuroradiol 1990; **32:** 316

Nerves, abnormalities
radiologic assessment of trigeminal neuropathy, Hutchins LG; Harnsberger HR; Hardin CW; et al, AJNR 1989; **10:** 1031
Wallerian degeneration after cerebral infarction: evaluation with sequential MR imaging, Kuhn MJ; Mikulis DJ; Ayoub DM; Kosofsky BE; Davis KR; Taveras JM, Radiology 1989; **172:** 179

Nerves, acoustic
CT and MR imaging of intralabyrinthine schwannoma: report of two cases and review of the literature, Mafee MF; Lachenauer CS; Kumar A; Arnold PM; Buckingham RA; Valvassori GE, Radiology 1990; **174:** 395

Nerves, celiac plexus
celiac plexus neurolysis with the modified transaortic approach, Lieberman RP; Waldman SD, Radiology 1990; **175:** 274

Nerves, cranial
clinical significance of cranial nerve deficit in the therapy of nasopharyngeal carcinoma, Chen M-S; Lin F-J; Tang SG; et al, Br J Radiol 1989; **62:** 739
group III Möbius syndrome: CT and MR findings, Kuhn MJ; Clark HB; Morales A; et al, AJNR 1990; **11:** 903
lower cranial nerve palsy due to dissection of the internal carotid artery: CT and MR imaging, Dal Pozzo G; Mascalchi M; Fonda C; et al, JCAT 1989; **13:** 989
MR imaging of primary trochlear nerve neoplasms, Gentry LR; Mehta RC; Appen RE; et al, AJNR 1991; **12:** 707
MR imaging of the cranial nerves, Lanzieri CF, AJR 1990; **154:** 1263
reversal of cranial nerve dysfunction with radiation therapy in adults with lymphoma and leukemia, Gray JR; Wallner KE, Int J Radiat Oncol Biol Phys 1990; **19:** 439
trigeminal neuralgia: MR imaging features, Tash RR; Sze G; Leslie DR, Radiology 1989; **172:** 767
trigeminal neuralgia (tic douloureux): MR imaging assessment, Hutchins LG; Harnsberger HR; Jacobs JM; Apfelbaum RI, Radiology 1990; **175:** 837
visibility of cranial nerves at MRI, Caillet H; Delvalle A; Doyon D; et al, J Neuroradiol 1990; **17:** 289

Nerves, CT
anatomy of the first sacral nerve root sheath shown by computed tomography, Moore NR; Dixon AK; Freer CEL, Br J Radiol 1989; **62:** 710
computed tomographic analysis of the intratemporal facial nerve and facial nerve neuromas, Shankar L; Hawke M; Leekam RN; et al, J Canad Assoc Radiol 1989; **40:** 150
computed tomography and magnetic resonance imaging of an infiltrative lesion of the anterior visual pathways, Abdollah A; Tampieri D; Kirkham TH; et al, J Canad Assoc Radiol 1991; **42:** 60
CT features of sarcoid infiltration of a lumbosacral nerve root, Baron B; Goldberg AL; Rothfus WE; et al, JCAT 1989; **13:** 364
group III Möbius syndrome: CT and MR findings, Kuhn MJ; Clark HB; Morales A; et al, AJNR 1990; **11:** 903
lower cranial nerve palsy due to dissection of the internal carotid artery: CT and MR imaging, Dal Pozzo G; Mascalchi M; Fonda C; et al, JCAT 1989; **13:** 989
neurinoma of the oculomotor nerve: CT and MR features, Katsumata Y; Maehara T; Noda M; et al, JCAT 1990; **14:** 658

orbital cyst with pseudooptic nerve: CT features, Thach AB; Busack JA; La Piana FG; et al, JCAT 1990; 14: 131

right phrenic nerve: anatomy, CT appearance, and differentiation from the pulmonary ligament, Berkmen YM; Davis SD; Kazam E; Auh YH; Yankelevitz D; Girgis FG, Radiology 1989; 173: 43

Nerves, diseases

neuropathic arthropathy associated with chronic inflammatory demyelinating polyradiculoneuropathy, Gardner D; Toth J; Aube M, J Canad Assoc Radiol 1989; 40: 117

Nerves, facial

clinical-radiologic issues in perineural tumor spread of malignant diseases of the extracranial head and neck, Parker GD; Harnsberger HR, Radiographics 1991; 11: 383

computed tomographic analysis of the intratemporal facial nerve and facial nerve neuromas, Shankar L; Hawke M; Leekam RN; et al, J Canad Assoc Radiol 1989; 40: 150

contrast-enhanced MR imaging of the facial nerve in 11 patients with Bell's palsy, Tien RD; Dillon WP; Jackler RK, AJNR 1990; 11: 735

contrast-enhanced MR imaging of the facial nerve in 11 patients with Bell's palsy, Tien RD; Dillon WP; Jackler RK, AJR 1990; 155: 573

hemorrhaged cystic hygroma and facial nerve paralysis: CT and MR findings, Som PM; Lidov M; Lawson W, JCAT 1990; 14: 668

MR imaging of facial nerve enhancement in Bell palsy or after temporal bone surgery, Daniels DL; Czervionke LF; Millen SJ; Haberkamp TJ; Meyer GA; Hendrix LE; Mark LP; Williams AL; Haughton VM, Radiology 1989; 171: 807

osteogenesis imperfecta tarda: appearance of the temporal bones at CT, Tabor EK; Curtin HD; Hirsch BE; May M, Radiology 1990; 175: 181

parotitis and facial nerve dysfunction, (ab), Andrews JC; Abemayor E; Alessi DM; et al, Radiology 1990; 174: 590

Nerves, femoral

retroperitoneal part of the femoral nerve: normal ultrasound features, Sener RN; Alper H; Ozturk L; et al, Neuroradiol 1991; 33: 159

Nerves, lumbar

intraspinal synovial cysts: MR imaging, Jackson DE Jr; Atlas SW; Mani JR; Norman D, Radiology 1989; 170: 527

Nerves, MR

computed tomography and magnetic resonance imaging of an infiltrative lesion of the anterior visual pathways, Abdollah A; Tampieri D; Kirkham TH; et al, J Canad Assoc Radiol 1991; 42: 60

contrast-enhanced MR imaging of the facial nerve in 11 patients with Bell's palsy, Tien RD; Dillon WP; Jackler RK, AJNR 1990; 11: 735

contrast-enhanced MR imaging of the facial nerve in 11 patients with Bell's palsy, Tien RD; Dillon WP; Jackler RK, AJR 1990; 155: 573

coronal MR imaging of the normal 3rd, 4th, and 5th lumbar and 1st sacral nerve roots, Hald JK; Nakstad PH; Hauglum BE, Acta Radiol 1991; 32: 210

group III Möbius syndrome: CT and MR findings, Kuhn MJ; Clark HB; Morales A; et al, AJNR 1990; 11: 903

lower cranial nerve palsy due to dissection of the internal carotid artery: CT and MR imaging, Dal Pozzo G; Mascalchi M; Fonda C; et al, JCAT 1989; 13: 989

lumbar spinal nerves in the neural foramen: MR appearance, Kostelic JK; Haughton VM; Sether LA, Radiology 1991; 178: 837

magnetic resonance appearance of peripheral nerve sheath tumors, Stull MA; Moser RP Jr; Kransdorf MJ; et al, Skeletal Radiol 1991; 20: 9

magnetic resonance imaging of peripheral nerve sheath tumors: assessment by numerical visual fuzzy cluster analysis, Mann FA; Murphy WA; Totty WG; et al, Invest Radiol 1990; 25: 1238

mandibular nerve: MR versus CT about 10 proved unusual tumors, Marsot-Dupuch K; Matozza F; Firat MM; et al, Neuroradiol 1990; 32: 492

MR fat suppression combined with Gd-DTPA enhancement in optic neuritis and perineuritis, Tien RD; Hesselink JR; Szumowski J, JCAT 1991; 15: 223

MRI findings of sciatic endometriosis, Moeser PM; Donofrio PD; Karstaedt N; et al, Clin Imag 1990; 14: 64

MR imaging in tarsal tunnel syndrome, Kerr R; Frey C, JCAT 1991; 15: 280

MR imaging of optic nerve lesions: value of gadopentetate dimeglumine and fat-suppression technique, Hendrix LE; Kneeland JB; Haughton VM; et al, AJNR 1990; 11: 749

MR imaging of optic nerve lesions: value of gadopentetate dimeglumine and fat-suppression technique, Hendrix LE; Kneeland JB; Haughton VM; et al, AJR 1990; 155: 849

MR imaging of perineural metastasis along the vidian nerve, Pandolfo I; Gaeta M; Blandino A; et al, JCAT 1989; 13: 498

MR imaging of primary trochlear nerve neoplasms, Gentry LR; Mehta RC; Appen RE; et al, AJNR 1991; 12: 707

MR imaging of primary trochlear nerve neoplasms, Gentry LR; Mehta RC; Appen RE; et al, AJR 1991; 157: 595

MR imaging of stump neuroma, Donnal JF; Blinder RA; Coblentz CL; et al, JCAT 1990; 14: 656

MR imaging of the cranial nerves, Lanzieri CF, AJR 1990; 154: 1263

MRI of lumbar and sacral plexus nerve sheath tumors, Breidahl WH; Khangure MS, Australas Radiol 1991; 35: 140

MR of benign peripheral nerve sheath tumors, Cerofolini E; Landi A; DeSantis G; et al, JCAT 1991; 15: 593

neurinoma of the oculomotor nerve: CT and MR features, Katsumata Y; Maehara T; Noda M; et al, JCAT 1990; 14: 658

optic chiasm position on MR images, Doyle AJ, AJNR 1990; 11: 553

sciatic endometriosis: MR appearance, Binkovitz LA; King BF; Ehman RL, JCAT 1991; 15: 508

serial quantitative MR assessment of optic neuritis in a case of neuromyelitis optica, using gadolinium-"enhanced" STIR imaging, Barkhof F; Scheltens P; Valk J; et al, Neuroradiol 1991; 33: 70

traumatic lumbosacral nerve root avulsion: evaluation by MR imaging, Freedy RM; Miller KD Jr; Eick JJ; et al, JCAT 1989; 13: 1052

trigeminal neuralgia: MR imaging features, Tash RR; Sze G; Leslie DR, Radiology 1989; 172: 767

trigeminal neuralgia (tic douloureux): MR imaging assessment, Hutchins LG; Harnsberger HR; Jacobs JM; Apfelbaum RI, Radiology 1990; 175: 837

trigeminal neuropathy: Gd-DTPA enhanced MR imaging, Sevick RJ; Dillon WP; Engstrom J; et al, JCAT 1991; 15: 605

Wallerian degeneration after cerebral infarction: evaluation with sequential MR imaging, Kuhn MJ; Mikulis DJ; Ayoub DM; Kosofsky BE; Davis KR; Taveras JM, Radiology 1989; 172: 179

Wallerian degeneration and inflammation in rat peripheral nerve detected by in vivo MR imaging, Titelbaum DS; Frazier JL; Grossman RI; et al, AJNR 1989; 10: 741

Nerves, optic

chiasmal gliomas: results of irradiation management in 57 patients and review of literature, Batainí JP; Delanian S; Ponvert D, Int J Radiat Oncol Biol Phys 1991; 21: 615

chiasmal sarcoidosis, Walker FO; McLean WT Jr; Elster A; et al, AJNR 1990; 11: 1205

computed tomography and magnetic resonance imaging of an infiltrative lesion of the anterior visual pathways, Abdollah A; Tampieri D; Kirkham TH; et al, J Canad Assoc Radiol 1991; 42: 60

herniation of the suprasellar visual system and third ventricle into empty sellae: morphologic and clinical considerations, Kaufman B; Tomsak RL; Kaufman BA; et al, AJNR 1989; 10: 65

Langerhans cell histiocytosis of hypothalamus and optic chiasm: CT and MR studies, O'Sullivan RM; Sheehan M; Poskitt KJ; et al, JCAT 1991; 15: 52

meningioma of the chiasm and optic nerves: CT and MR findings, Castillo M; Davis PC; Ross WK; et al, JCAT 1989; 13: 679

MR fat suppression combined with Gd-DTPA enhancement in optic neuritis and perineuritis, Tien RD; Hesselink JR; Szumowski J, JCAT 1991; 15: 223

MR imaging of cavernous hemangioma of the optic chiasm, Tien RD; Dillon WP, JCAT 1989; 13: 1087

MR imaging of optic nerve lesions: value of gadopentetate dimeglumine and fat-suppression technique, Hendrix LE; Kneeland JB; Haughton VM; et al, AJNR 1990; 11: 749

MR imaging of optic nerve lesions: value of gadopentetate dimeglumine and fat-suppression technique, Hendrix LE; Kneeland JB; Haughton VM; et al, AJR 1990; 155: 849

neurofibromatosis types 1 and 2: cranial MR findings, Aoki S; Barkovich AJ; Nishimura K; Kjos BO; Machida T; Cogen P; Edwards M; Norman D, Radiology 1989; 172: 527

optic chiasm position on MR images, Doyle AJ, AJNR 1990; 11: 553

optic gliomas in children with neurofibromatosis type 1, (ab), Listernick R; Charrow J; Greenwald MJ; et al, Radiology 1990; 174: 295

optic neuritis and orbital lesions: lipid-suppressed chemical shift MR imaging, Lee DH; Simon JH; Szumowski J; Feasby TE; Karlik SJ; Fox AJ; Pelz DM, Radiology 1991; 179: 543

orbital cyst with pseudooptic nerve: CT features, Thach AB; Busack JA; La Piana FG; et al, JCAT 1990; 14: 131

radiation therapy for gliomas of the optic nerve and chiasm, Kovalic JJ; Grigsby PW; Shepard MJ; et al, Int J Radiat Oncol Biol Phys 1990; 18: 927

septo-optic dysplasia: MR imaging, Barkovich AJ; Fram EK; Norman D, Radiology 1989; 171: 189

serial quantitative MR assessment of optic neuritis in a case of neuromyelitis optica, using gadolinium-"enhanced" STIR imaging, Barkhof F; Scheltens P; Valk J; et al, Neuroradiol 1991; 33: 70

Nerves, peripheral

MR of benign peripheral nerve sheath tumors, Cerofolini E; Landi A; DeSantis G; et al, JCAT 1991; 15: 593

Nerves, phrenic

recovery after unilateral phrenic injury associated with coronary artery revascularization, (ab), Wilcox PG; Paré PD; Pardy RL, Radiology 1991; 178: 898

right phrenic nerve: anatomy, CT appearance, and differentiation from the pulmonary ligament, Berkmen YM; Davis SD; Kazam E; Auh YH; Yankelevitz D; Girgis FG, Radiology 1989; 173: 43

Nerves, roots

anatomy of the first sacral nerve root sheath shown by computed tomography, Moore NR; Dixon AK; Freer CEL, Br J Radiol 1989; 62: 710

coronal MR imaging of the normal 3rd, 4th, and 5th lumbar and 1st sacral nerve roots, Hald JK; Nakstad PH; Hauglum BE, Acta Radiol 1991; 32: 210

CT morphology of intrathecal lumbosacral nerve-root compression, Wilmink JT, AJNR 1989; 10: 233

effect of experimental root sheath compression on dura, Haughton VM; Nguyen CM; Ho K-C, Invest Radiol 1989; 24: 204

nerve root avulsion of birth palsy: comparison of myelography with CT myelography and somatosensory evoked potential, Hashimoto T; Mitomo M; Hirabuki N; Miura T; Kawai R; Nakamura H; Kawai H; Ono K; Kozuka T, Radiology 1991; 178: 841

traumatic lumbosacral nerve root avulsion: evaluation by MR imaging, Freedy RM; Miller KD Jr; Eick JJ; et al, JCAT 1989; 13: 1052

traumatic lumbosacral nerve root meningoceles: the value of myelography, CT and MRI in the assessment of nerve root continuity, Verstraete KLA; Martens F; Smeets P; et al, Neuroradiol 1989; 31: 425

Nerves, sacral

anatomy of the first sacral nerve root sheath shown by computed tomography, Moore NR; Dixon AK; Freer CEL, Br J Radiol 1989; 62: 710

Nerves, sciatic
benign solitary neurinomas of the sciatic popliteal nerves CT study, Thiebot J; Laissy JP; Delangre T; et al, Neuroradiol 1991; **33:** 186
MRI findings of sciatic endometriosis, Moeser PM; Donofrio PD; Karstaedt N; et al, Clin Imag 1990; **14:** 64
sciatic endometriosis: MR appearance, Binkovitz LA; King BF; Ehman RL, JCAT 1991; **15:** 508
sciatic nerve: sonographic evaluation and anatomic-pathologic considerations, Graif M; Seton A; Nerubai J; Horoszowski H; Itzchak Y, Radiology 1991; **181:** 405
Nerves, spinal
lumbar spinal nerves in the neural foramen: MR appearance, Kostelic JK; Haughton VM; Sether LA, Radiology 1991; **178:** 837
Nerves, trigeminal
clinical-radiologic issues in perineural tumor spread of malignant diseases of the extracranial head and neck, Parker GD; Harnsberger HR, Radiographics 1991; **11:** 383
lymphomatous involvement of the trigeminal nerve and Meckel cave: CT and MR appearance, De Pena CA; Lee Y-Y; Van Tassel P, AJNR 1989; **10:** S15
mandibular nerve: MR versus CT about 10 proved unusual tumors, Marsot-Dupuch K; Matozza F; Firat MM; et al, Neuroradiol 1990; **32:** 492
Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN, Radiology 1991; **179:** 579
neurilemomas of the trigeminal nerve, (ab), Pollack IF; Sekhar LN; Jannetta PJ; et al, Radiology 1990; **174:** 590
perineural tumor extension through the foramen ovale: evaluation with MR imaging, Laine FJ; Braun IF; Jensen ME; Nadel L; Som PM, Radiology 1990; **174:** 65
radiologic assessment of trigeminal neuropathy, Hutchins LG; Harnsberger HR; Hardin CW; et al, AJNR 1989; **10:** 1031
radiologic assessment of trigeminal neuropathy, Hutchins LG; Harnsberger HR; Hardin CW; et al, AJR 1989; **153:** 1275
trigeminal neuralgia: MR imaging features, Tash RR; Sze G; Leslie DR, Radiology 1989; **172:** 767
trigeminal neuralgia (tic douloureux): MR imaging assessment, Hutchins LG; Harnsberger HR; Jacobs JM; Apfelbaum RI, Radiology 1990; **175:** 837
trigeminal neuropathy: Gd-DTPA enhanced MR imaging, Sevick RJ; Dillon WP; Engstrom J; et al, JCAT 1991; **15:** 605
trigeminal schwannoma: surgical series of 14 cases with review of the literature, (ab), McCormick PC; Bello JA; Post KD, Radiology 1989; **172:** 588
trigeminal sensory neuropathy caused by cervical disk herniation, Barakos JA; D'Amour PG; Dillon WP; et al, AJNR 1990; **11:** 609
Nervous system
artificial neural networks, Makhoul J, Invest Radiol 1990; **25:** 748
interventional neuroradiology: a neurosurgeon's perspective, Luessenhop AJ, AJNR 1990; **11:** 625
neuroimaging: 1990, Lukin R, Semin Roentgenol 1989; **24:** 218
relationship between CNS metabolism and cytoarchitecture: a review of ^{14}C-deoxyglucose studies with correlation to cytochrome oxidase histochemistry, Di Rocco RJ; Kageyama GH; Wong-Riley MTT, Comput Med Imag Graph 1989; **13:** 81
Nervous system, abnormalities
congenital central nervous system anomalies, Poe LB; Coleman LL; Mahmud F, Radiographics 1989; **9:** 801
Nervous system, CT
CT and MR imaging of Canavan disease, McAdams HP; Geyer CA; Done SL; et al, AJNR 1990; **11:** 397
neuroimaging: 1990, Lukin R, Semin Roentgenol 1989; **24:** 218
Nervous system, diseases
biopsy-confirmed CNS Lyme disease: MR appearance at 1.5 T, Rafto SE; Milton WJ; Galetta SL; et al, AJNR 1990; **11:** 482
contrast-enhanced MR imaging of neurocutaneous melanosis, Rhodes RE; Friedman HS; Hatten HP Jr; et al, AJNR 1991; **12:** 380
cranial computed tomography in acute disseminated encephalomyelitis, Thajeb P; Chen S-T, Neuroradiol 1989; **31:** 8
CT and MR imaging of Canavan disease, McAdams HP; Geyer CA; Done SL; et al, AJNR 1990; **11:** 397
Histoplasma capsulatum infections of the central nervous system: a clinical review, (ab), Wheat LJ; Batteiger BE; Sathapatayavongs B; et al, Radiology 1991; **178:** 591
inflammatory myelinoclastic diffuse sclerosis (Schilder's disease): neuroradiologic findings, Mehler MF; Rabinowich L, AJNR 1989; **10:** 176
late-onset globoid cell leukodystrophy mimicking an infiltrating glioma, Epstein MA; Zimmerman RA; Rorke LB; et al, Pediatr Radiol 1991; **21:** 131
Lyme disease of the CNS: MR imaging findings in 14 cases, Fernandez RE; Rothberg M; Ferencz G; et al, AJNR 1990; **11:** 479
MR imaging in hypertrophic neuropathy: a case of hereditary motor and sensory neuropathy, type I (Charcot-Marie-Tooth), Choi SK; Bowers RP; Buckthal PE, Clin Imag 1990; **14:** 204
nervous system manifestations and neuroradiologic findings in acquired immunodeficiency syndrome (AIDS), Rodesch G; Parizel PM; Farber C-M; et al, Neuroradiol 1989; **31:** 33
neurosarcoidosis: signs, course and treatment in 35 confirmed cases, (ab), Chapelon C; Ziza JM; Piette JC; et al, Radiology 1991; **179:** 887
nuclear imaging and clinical features of childhood reflex neurovascular dystrophy: comparison with adults, (ab), Goldsmith DP; Vivino FB; Eichenfield AH; et al, Radiology 1989; **173:** 589
pediatric acquired immunodeficiency syndrome: neurologic syndromes, (ab), Belman AL; Diamond G; Dickson D; et al, Radiology 1989; **170:** 294
periventricular involvement in CNS lymphomatoid granulomatosis: MR demonstration, Smith AS; Huang TE; Weinstein MA, JCAT 1990; **14:** 291
precise relaxation time measurements of normal-appearing white matter in inflammatory central nervous system disease, Miller DH; Johnson G; Tofts PS; et al, Magn Res Med 1989; **11:** 331
reflection of histology in MR imaging of Pelizaeus-Merzbacher disease, van der Knaap MS; Valk J, AJNR 1989; **10:** 99
scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans, Nagel JS; Ichise M; Holman BL, Semin Nucl Med 1991; **21:** 11
value of neuroimaging in metabolic diseases affecting the CNS, Naidu S; Moser HW, AJNR 1991; **12:** 413
Nervous system, effects of drugs on
MR imaging of reversible cyclosporin A-induced neurotoxicity, Truwit CL; Denaro CP; Lake JR; et al, AJNR 1991; **12:** 651
muscular and CNS effects of carotid artery administration of contrast media in rabbits, Whisson CC; Evill CA; Sage MR; et al, AJNR 1990; **11:** 143
relaxation response in femoral angiography, Mandle CL; Domar AD; Harrington DP; Leserman J; Bozadjian EM; Friedman R; Benson H, Radiology 1990; **174:** 737
Nervous system, injuries
cerebral perfusion imaging with technetium-99m HM-PAO in brain death and severe central nervous system injury, Laurin NR; Driedger AA; Hurwitz GA; et al, J Nucl Med 1989; **30:** 1627
medial brachial fascial compartment syndrome: anatomic basis of neuropathy after transaxillary arteriography, Smith DC; Mitchell DA; Peterson GW; Will AD; Mera SS; Smith LL, Radiology 1989; **173:** 149
MR imaging of facial nerve enhancement in Bell palsy or after temporal bone surgery, Daniels DL; Czervionke LF; Millen SJ; Haberkamp TJ; Meyer GA; Hendrix LE; Mark LP; Williams AL; Haughton VM, Radiology 1989; **171:** 807
Nervous system, MR
biopsy-confirmed CNS Lyme disease: MR appearance at 1.5 T, Rafto SE; Milton WJ; Galetta SL; et al, AJNR 1990; **11:** 482
clinical applications of echo planar imaging in neuroradiology, Worthington BS; Mansfield P, Neuroradiol 1990; **32:** 367
contrast-enhanced MR imaging of neurocutaneous melanosis, Rhodes RE; Friedman HS; Hatten HP Jr; et al, AJNR 1991; **12:** 380
CT and MR imaging of Canavan disease, McAdams HP; Geyer CA; Done SL; et al, AJNR 1990; **11:** 397
Gd DTPA: a review of clinical indications in central nervous system magnetic resonance imaging, Runge VM; Carollo BR; Wolf CR; Nelson KL; Gelblum DY, Radiographics 1989; **9:** 929
half-Fourier MR imaging of CNS disease, Runge VM; Wood ML, AJNR 1990; **11:** 77
hemolytic uremic syndrome: MR findings of CNS complications, Sherwood JW; Wagle WA, AJNR 1991; **12:** 703
influence of magnetic resonance imaging on evoked potentials and nerve conduction velocities in humans, Vogl TJ; Paulus W; Fuchs A; et al, Invest Radiol 1991; **26:** 432
Lyme disease of the CNS: MR imaging findings in 14 cases, Fernandez RE; Rothberg M; Ferencz G; et al, AJNR 1990; **11:** 479
magnetic resonance imaging of central nervous system lesions in patients with lupus erythematosus: correlation with clinical remission and antineurofilament and anticardiolipin antibody titers, (ab), Bell CL; Partington C; Robbins M; et al, Radiology 1991; **181:** 616
magnetic resonance imaging of experimental demyelinating lesions, Ford CC; Ceckler TL; Karp J; et al, Magn Res Med 1990; **14:** 461
MR findings in methotrexate-induced CNS abnormalities, Ebner F; Ranner G; Slavc I; et al, AJR 1989; **153:** 1283
MR imaging in hypertrophic neuropathy: a case of hereditary motor and sensory neuropathy, type I (Charcot-Marie-Tooth), Choi SK; Bowers RP; Buckthal PE, Clin Imag 1990; **14:** 204
MR imaging in neurocysticercosis: a study of 56 cases, Martinez HR; Rangel-Guerra R; Elizondo G; et al, AJNR 1989; **10:** 1011
MR imaging of facial nerve enhancement in Bell palsy or after temporal bone surgery, Daniels DL; Czervionke LF; Millen SJ; Haberkamp TJ; Meyer GA; Hendrix LE; Mark LP; Williams AL; Haughton VM, Radiology 1989; **171:** 807
MR imaging of reversible cyclosporin A-induced neurotoxicity, Truwit CL; Denaro CP; Lake JR; et al, AJNR 1991; **12:** 651
neuroimaging: 1990, Lukin R, Semin Roentgenol 1989; **24:** 218
neurologic applications, Modic MT, AJR 1991; **156:** 239
pharmacokinetic parameters in CNS Gd-DTPA enhanced MR imaging, Brix G; Semmler W; Port R; et al, JCAT 1991; **15:** 621
radiologic screening for von Hippel-Lindau disease: the role of Gd-DTPA enhanced MR imaging of the CNS, Filling-Katz MR; Choyke PL; Patronas NJ; et al, JCAT 1989; **13:** 743
sarcoidosis of the CNS: comparison of unenhanced and enhanced MR images, Sherman JL; Stern BJ, AJNR 1990; **11:** 915
sarcoidosis of the CNS: comparison of unenhanced and enhanced MR images, Sherman JL; Stern BJ, AJR 1990; **155:** 1293
spatial misregistration of vascular flow during MR imaging of the CNS: cause and clinical significance, Larson TC III; Kelly WM; Ehman RL; et al, AJR 1990; **155:** 1117
T1 and T2 measurements of meningiomas and neuromas before and after Gd-DTPA, Watabe T; Azuma T, AJNR 1989; **10:** 463
visualization of isolated trigeminal nerve invasion by lymphoma using gadolinium-enhanced magnetic resonance imaging, Manon-Espaillat R; Lanska DJ; Ruff RL; et al, Neuroradiol 1990; **32:** 531
Nervous system, neoplasms
case report of central nervous system lymphoma following immunosuppression, Ingram J; Benjamin CS, Australas Radiol 1989; **33:** 163

central nervous system lymphoma, Zimmerman RA, Radiol Clin North Am 1990; **28:** 697

CNS tumor induction by radiotherapy: a report of four new cases and estimate of dose required, Cavin LW; Dalrymple GV; McGuire EL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 399

CT appearance of primary CNS lymphoma in patients with acquired immunodeficiency syndrome, Goldstein JD; Zeifer B; Chao C; et al, JCAT 1991; **15:** 39

CT morphology of benign median nerve tumors: report of three cases and a review, Feyerabend T; Schmitt R; Lanz U; et al, Acta Radiol 1990; **31:** 23

false-positive spinal MR findings for subarachnoid spread of primary CNS tumor in postoperative pediatric patients, Wiener MD; Boyko OB; Friedman HS; et al, AJNR 1990; **11:** 1100

lymphomatous involvement of the trigeminal nerve and Meckel cave: CT and MR appearance, De Pena CA; Lee Y-Y; Van Tassel P, AJNR 1989; **10:** S15

magnetic resonance appearance of peripheral nerve sheath tumors, Stull MA; Moser RP Jr; Kransdorf MJ; et al, Skeletal Radiol 1991; **20:** 9

magnetic resonance imaging of peripheral nerve sheath tumors: assessment by numerical visual fuzzy cluster analysis, Mann FA; Murphy WA; Totty WG; et al, Invest Radiol 1990; **25:** 1238

MR imaging of facial nerve enhancement in Bell palsy or after temporal bone surgery, Daniels DL; Czervionke LF; Millen SJ; Haberkamp TJ; Meyer GA; Hendrix LE; Mark LP; Williams AL; Haughton VM, Radiology 1989; **171:** 807

MR imaging of primary trochlear nerve neoplasms, Gentry LR; Mehta RC; Appen RE; et al, AJR 1991; **157:** 595

MRI of lumbar and sacral plexus nerve sheath tumors, Breidahl WH; Khangure MS, Australas Radiol 1991; **35:** 140

neuroimaging of disseminated germ cell neoplasms, Mathews VP; Broome DR; Smith RR; et al, AJNR 1990; **11:** 319

neuroimaging of disseminated germ cell neoplasms, Mathews VP; Broome DR; Smith RR; et al, AJR 1990; **154:** 1299

primary B-cell lymphoma of the CNS in an infant, Egelhoff JC; Beatty EC Jr, Pediatr Radiol 1989; **19:** 204

primary central nervous system lymphoma in patients with and without the acquired immune deficiency syndrome: a retrospective analysis and review of the literature, (ab), Remick SC; Diamond C; Migliozzi JA; et al, Radiology 1991; **179:** 591

radiation therapy for gliomas of the optic nerve and chiasm, Kovalic JJ; Grigsby PW; Shepard MJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 927

treatment of CNS tumours with conventional radiotherapy: the importance of dose & volume factors in tumour control & CNS radiation tolerance, Tiver K, Australas Radiol 1989; **33:** 15

unusual CNS and orbital metastases of neuroblastoma, Gallet BL; Egelhoff JC, Pediatr Radiol 1989; **19:** 287

visualization of isolated trigeminal nerve invasion by lymphoma using gadolinium-enhanced magnetic resonance imaging, Manon-Espaillat R; Laniska DJ; Ruff RL; et al, Neuroradiol 1990; **32:** 531

Nervous system, radionuclide studies

in vivo SPECT imaging of CNS D-2 dopamine receptors: initial studies with iodine-123-IBZM in humans, Kung HF; Alavi A; Chang W; et al, J Nucl Med 1990; **31:** 573

positron emission tomography in neuropsychiatry, Faulstich ME; Sullivan DC, Invest Radiol 1991; **26:** 184

Nervous system, therapeutic radiology

CNS tumor induction by radiotherapy: a report of four new cases and estimate of dose required, Cavin LW; Dalrymple GV; McGuire EL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 399

comments on interventional neuroradiology, Chase NE, Radiology 1991; **178:** 624

MRI treatment planning for CNS neoplasm: graphic display of target volume using boxed cursor, Fortier GA; Pellitteri MR, Int J Radiat Oncol Biol Phys 1990; **19:** 179

radiation therapy for gliomas of the optic nerve and chiasm, Kovalic JJ; Grigsby PW; Shepard MJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 927

reversal of cranial nerve dysfunction with radiation therapy in adults with lymphoma and leukemia, Gray JR; Wallner KE, Int J Radiat Oncol Biol Phys 1990; **19:** 439

treatment of CNS tumours with conventional radiotherapy: the importance of dose & volume factors in tumour control & CNS radiation tolerance, Tiver K, Australas Radiol 1989; **33:** 15

Nervous system, US

lipid-coated ultrastable microbubbles as a contrast agent in neurosonography, Simon RH; Ho S-Y; D'Arrigo J; et al, Invest Radiol 1990; **25:** 1300

retroperitoneal part of the femoral nerve: normal ultrasound features, Sener RN; Alper H; Ozturk L; et al, Neuroradiol 1991; **33:** 159

sciatic nerve: sonographic evaluation and anatomic-pathologic considerations, Graif M; Seton A; Nerubai J; Horoszowski H; Itzchak Y, Radiology 1991; **181:** 405

tibialis posterior nerve schwannoma mimicking Achilles tendinitis: ultrasonographic diagnosis, Cantos-Melian B; Arriaza-Loureda R; Aisa-Varela P, JCU 1990; **18:** 671

Neuralgia

trigeminal neuralgia: MR imaging features, Tash RR; Sze G; Leslie DR, Radiology 1989; **172:** 767

trigeminal neuralgia (tic douloureux): MR imaging assessment, Hutchins LG; Harnsberger HR; Jacobs JM; Apfelbaum RI, Radiology 1990; **175:** 837

Neurilemmoma

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Neurinoma

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Neuritis

herpes trigeminal neuritis and rhombencephalitis on Gd-DTPA–enhanced MR imaging, Tien RD; Dillon WP, AJNR 1990; **11:** 413

optic neuritis and orbital lesions: lipid-suppressed chemical shift MR imaging, Lee DH; Simon JH; Szumowski J; Feasby TE; Karlik SJ; Fox AJ; Pelz DM, Radiology 1991; **179:** 543

serial quantitative MR assessment of optic neuritis in a case of neuromyelitis optica, using gadolinium-"enhanced" STIR imaging, Barkhof F; Scheltens P; Valk J; et al, Neuroradiol 1991; **33:** 70

Neuroblastoma

4-S neuroblastoma on high field MR, Hall-Craggs MA; Finn JP; Malone M; et al, Pediatr Radiol 1989; **20:** 124

abdominal neuroblastoma with inferior vena caval tumor thrombus: report of three cases (one with right atrial extension), Day DL; Johnson R; Cohen MD, Pediatr Radiol 1991; **21:** 205

advanced neuroblastoma: results of two treatment programs including sequential hemibody irradiation, Lombardi F; Rottoli L; Gianni C; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 485

association of congenital neuroblastoma and congenital heart disease: is there a common embryologic basis?, Bellah R; D'Andrea A; Darillis E; et al, Pediatr Radiol 1989; **19:** 119

Beckwith-Wiedemann syndrome and neural crest tumors: a report of two cases, Sirinelli D; Silberman B; Baudon JJ; et al, Pediatr Radiol 1989; **19:** 242

comparison of radiolabeled monoclonal antibody and magnetic resonance imaging in the detection of metastatic neuroblastoma in bone marrow: preliminary results, Fletcher BD; Miraldi FD; Cheung N-KV, Pediatr Radiol 1989; **20:** 72

congenital neuroblastoma: evaluation with multimodality imaging, Forman HP; Leonidas JC; Berdon WE; Slovis TL; Wood BP; Samudrala R, Radiology 1990; **175:** 365

consolidating the role of ^{131}I-MIBG-scintigraphy in childhood neuroblastoma: five years of clinical experience, Jacobs A; Delree M; Desprechins B; et al, Pediatr Radiol 1990; **20:** 157

diffuse lung uptake of Tc-99m MDP associated with pneumocystis carinii pneumonia in a patient with neuroblastoma, Batte WG Jr; Yeh SDJ; Larson SM, Clin Nucl Med 1991; **16:** 321

effects of ultrasound exposure *in vitro* on neuroblastoma cell membranes, Fahnestock M; Rimer VG; Yamawaki RM; et al, Ultrasound Med Biol 1989; **15:** 133

histologic and immunohistochemical investigation of neuroblastoma and correlation with prognosis, (ab), Brook FB; Raafat F; Eldeeb BB; et al, Radiology 1989; **170:** 591

implications of the uptake of ^{131}I-radiolabelled meta-iodobenzylguanidine (mIBG) for the targeted radiotherapy of neuroblastoma, O'Donoghue JA; Wheldon TE; Babich JW; et al, Br J Radiol 1991; **64:** 428

iodine-125-MIBG to treat neuroblastoma: preliminary report, Sisson JC; Hutchinson RJ; Shapiro B; et al, J Nucl Med 1990; **31:** 1479

keynote address: contributions of pediatric oncology: examples derived from advances made in the treatment of rhabdomyosarcoma and neuroblastoma, Cassady JR, Int J Radiat Oncol Biol Phys 1991; **20:** 1177

leptomeningeal metastasis from primary extracerebral neuroblastoma: CT demonstration, Shaw DWW; Weinberger E; Brewer DK, AJNR 1990; **11:** 804

magnetic resonance imaging in primary cerebral neuroblastoma, Just M; Goebel HH; Bohl J; et al, Neuroradiol 1989; **31:** 108

many faces of neuroblastoma, David R; Lamki N; Fan S; Singleton EB; Eftekhari F; Shirkhoda A; Kumar R; Madewell JE, Radiographics 1989; **9:** 859

metastatic neuroblastoma: new abnormalities on bone scintigraphy may not indicate tumour recurrence, Hall-Craggs MA; Shaw D; Pritchard J; et al, Skeletal Radiol 1990; **19:** 33

monoclonal antibodies and neuroblastoma, Miraldi F, Semin Nucl Med 1989; **19:** 282

MR findings on primitive neuroectodermal tumors, Figueroa RE; El Gammal T; Brooks BS; et al, JCAT 1989; **13:** 773

MR imaging of diffuse bone marrow replacement in pediatric patients with cancer, Ruzal-Shapiro C; Berdon WE; Cohen MD; Abramson SJ, Radiology 1991; **181:** 587

neuroblastoma: imaging evaluation by sequential Tc-99m MDP, I-131 MIBG, and Ga-67 citrate studies, Garty I; Friedman A; Sandler MP; et al, Clin Nucl Med 1989; **14:** 515

neuroblastoma of the tail of the pancreas in childhood, Hoeffel JC; Galloy MA; Schmitt C; et al, Br J Radiol 1991; **64:** 167

olfactory neuroblastoma: imaging by magnetic resonance, CT and conventional techniques, (ab), Woodhead P; Lloyd GAA, Radiology 1989; **172:** 589

olfactory neuroblastoma mimicking primary intracranial neoplasm, Ho HW; Awwad EE; Martin DS; et al, Comput Med Imag Graph 1991; **15:** 125

primary cerebral neuroblastoma: CT and MR findings in 12 cases, Davis PC; Wichman RD; Takei Y; et al, AJNR 1990; **11:** 115

primary cerebral neuroblastoma: CT and MR findings in 12 cases, Davis PC; Wichman RD; Takei Y; et al, AJR 1990; **154:** 831

primary peritoneal neuroblastoma: computed tomography findings, McDonnell CH III; McLeod M; Baker ME, Clin Imag 1990; **14:** 41

quantitative study of radioiodinated metaiodobenzylguanidine uptake in children with neuroblastoma: correlation with tumor histopathology, Moyes JSE; Babich JW; Carter R; et al, J Nucl Med 1989; **30:** 474

radioimmunodetection of neuroblastoma with iodine-131-3F8: correlation with biopsy, iodine-131-metaiodobenzylguanidine and standard diagnostic modalities, Yeh SDJ; Larson SM; Burch L; et al, J Nucl Med 1991; **32:** 769

radionuclide therapy of pheochromocytomas and neuroblastomas using iodine-131 metaiodobenzylguanidine (MIBG), Brendel AJ; Jeandot R; Guyot M; et al, Clin Nucl Med 1989; **14:** 19

renal atrophy or infarction in children with neuroblastoma, Day DL; Johnson RT; Odrezin GT; Woods WG; Alford BA, Radiology 1991; **180:** 493

screening for neuroblastoma at 3 weeks of age: methods and preliminary results from the Quebec neuroblastoma screening project, (ab), Tuchman M; Lemieux B; Auray-Blais C; et al, Radiology 1991; **179:** 888

skeletal assessment in neuroblastoma—the pitfalls of iodine-123-MIBG scans, Gordon I; Peters AM; Gutman A; et al, J Nucl Med 1990; **31:** 129

sodium nuclear magnetic resonance imaging of neuroblastoma in the nude mouse, Summers RM; Joseph PM; Kundel HL, Invest Radiol 1991; **26:** 233

treatment results among adults with childhood tumors: a 20-year experience, Prestidge BR; Donaldson SS, Int J Radiat Oncol Biol Phys 1989; **17:** 507

ultrasound case of the day, annual meeting, 1988, Kurtz AB; Hilbert P, Radiographics 1989; **9:** 361

unusual CNS and orbital metastases of neuroblastoma, Gallet BL; Egelhoff JC, Pediatr Radiol 1989; **19:** 287

Neurocysticercosis

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Neurofibroma

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Neurofibromatosis

abdominal plexiform neurofibromatosis simulating pseudomyxoma peritonei on computed tomography, Mirich DR; Gray RR; Grosman H, JCAT 1989; **13:** 709

anterolateral cervical meningocele in association with neurofibromatosis: MR and CT studies, So CB; Li DKB, JCAT 1989; **13:** 692

bladder neurofibromatosis in childhood: noninvasive imaging, Shapeero LG; Vordermark JS, J Ultrasound Med 1990; **9:** 177

case report 556, Gross ML; Soberman N; Dorfman HD; et al, Skeletal Radiol 1989; **18:** 389

cerebral ganglioglioma and neurofibromatosis type I: case report and review of the literature, Parizel PM; Martin J-J; Van Vyve M; et al, Neuroradiol 1991; **33:** 357

computed tomography of elephantiasis neuromatosa, Hertzanu Y; Hirsch M; Peiser J; et al, JCAT 1989; **13:** 156

diffuse jaw uptake: an unusual finding in neurofibromatosis, Hardoff R; Gips S; Front A, Clin Nucl Med 1991; **16:** 527

hamartomatous spinal cord lesion in neurofibromatosis, Katz BH; Quencer RM, AJNR 1989; **10:** S101

hemorrhagic pheochromocytoma in a pregnant patient with neurofibromatosis: sonographic appearance, Strauss S; Pansky M; Lewinsohn G, J Ultrasound Med 1990; **9:** 165

high-intensity basal ganglia lesions on T1-weighted MR images in neurofibromatosis, Mirowitz SA; Sartor K; Gado M, AJNR 1989; **10:** 1159

high-intensity basal ganglia lesions on T1-weighted MR images in neurofibromatosis, Mirowitz SA; Sartor K; Gado M, AJR 1990; **154:** 369

intracranial calcified deposits in neurofibromatosis type 2: a CT study of 11 cases, Mayfrank L; Mohadjer M; Wullich B, Neuroradiol 1990; **32:** 33

lacunarlike skull in neurofibromatosis, Barnowsky L; Dalal R, AJNR 1990; **11:** 1253

MR imaging of asymptomatic brainstem and spinal cord lesions in sisters with neurofibromatosis, Kim T; Foust RJ; Mojtahedi S, AJNR 1989; **10:** S71

MR imaging of spinal neurofibromatosis, Li MH; Holtås S, Acta Radiol 1991; **32:** 279

MR of central nervous system neoplasia of the phakomatoses, Braffman BH; Bilaniuk LT; Zimmerman RA, Semin Roentgenol 1990; **25:** 198

neurofibromatosis 2: report of an affected kindred, with a discussion of imaging strategy, Ferris NJ; Siu KH, Australas Radiol 1990; **34:** 229

neurofibromatosis type II of the head and neck, (ab), Costantino PD; Friedman CD; Pelzer HJ, Radiology 1990; **174:** 590

neurofibromatosis types 1 and 2: cranial MR findings, Aoki S; Barkovich AJ; Nishimura K; Kjos BO; Machida T; Cogen P; Edwards M; Norman D, Radiology 1989; **172:** 527

optic gliomas in children with neurofibromatosis type 1, (ab), Listernick R; Charrow J; Greenwald MJ; et al, Radiology 1990; **174:** 295

parathyroid adenoma associated with neurofibromatosis: correlative scintigraphic and magnetic resonance imaging, Vogelzang PJ; Oates E; Bankoff MS, Clin Nucl Med 1989; **14:** 168

somatostatin-producing duodenal carcinoids in patients with von Recklinghausen's neurofibromatosis: a predilection for black patients, (ab), Burke AP; Sobin LH; Shekitka KM; et al, Radiology 1990; **176:** 882

stone formation in substitution cystoplasty, Vardi Y; Moskovitz B; Levin DR; et al, Urol Radiol 1991; **12:** 194

Neuroma

benign solitary neurinomas of the sciatic popliteal nerves CT study, Thiebot J; Laissy JP; Delangre T; et al, Neuroradiol 1991; **33:** 186

case report 547, Hallisey MJ; Nelson MC; Muraki A; et al, Skeletal Radiol 1989; **18:** 314

computed tomographic analysis of the intratemporal facial nerve and facial nerve neuromas, Shankar L; Hawke M; Leekam RN; et al, J Canad Assoc Radiol 1989; **40:** 150

CT morphology of benign median nerve tumors: report of three cases and a review, Feyerabend T; Schmitt R; Lanz U; et al, Acta Radiol 1990; **31:** 23

dural tail adjacent to acoustic neuroma: MR features, Kutcher TJ; Brown DC; Maurer PK; et al, JCAT 1991; **15:** 669

interdigital (Morton) neuroma: high-resolution MR imaging with a solenoid coil, Erickson SJ; Canale PB; Carrera GF; Johnson JE; Shereff MJ; Gould JS; Hyde JS; Jesmanowicz A, Radiology 1991; **181:** 833

Morton neuroma: sonographic evaluation, Redd RA; Peters VJ; Emery SF; Branch HM; Rifkin MD, Radiology 1989; **171:** 415

MR cisternography of the cerebello-pontine angle and internal auditory canal in diagnosis of intracanalicular acoustic neuroma, Bassi P; Piazza P; Cusmano F; et al, Neuroradiol 1990; **31:** 486

MR imaging of facial nerve enhancement in Bell palsy or after temporal bone surgery, Daniels DL; Czervionke LF; Millen SJ; Haberkamp TJ; Meyer GA; Hendrix LE; Mark LP; Williams AL; Haughton VM, Radiology 1989; **171:** 807

MR imaging of neurilemoma arising from the renal hilus, Kitagawa K; Yamahana T; Hirano S; et al, JCAT 1990; **14:** 830

MR imaging of spinal neurinomas with pathological correlation, Demachi H; Takashima T; Kadoya M; et al, JCAT 1990; **14:** 250

MR imaging of stump neuroma, Donnal JF; Blinder RA; Coblentz CL; et al, JCAT 1990; **14:** 656

MRI of postamputation neuromas, Singson RD; Feldman F; Staron R; et al, Skeletal Radiol 1990; **19:** 259

multicystic acoustic neuroma: case report and differential diagnosis, Drapkin AJ; Rose WS, Acta Radiol 1989; **30:** 7

neurilemoma of the tongue: MR findings, Flickinger FW; Lozano RL; Yuh WTC; et al, JCAT 1989; **13:** 886

neurilemomas of the trigeminal nerve, (ab), Pollack IF; Sekhar LN; Jannetta PJ; et al, Radiology 1990; **174:** 590

neurinoma of the jugular foramen, Müller-Forell W; Dei-Anang K; Perneczky A; et al, Neuroradiol 1990; **32:** 244

neurinoma of the oculomotor nerve: CT and MR features, Katsumata Y; Maehara T; Noda M; et al, JCAT 1990; **14:** 658

neurofibromatosis types 1 and 2: cranial MR findings, Aoki S; Barkovich AJ; Nishimura K; Kjos BO; Machida T; Cogen P; Edwards M; Norman D, Radiology 1989; **172:** 527

plexiform neurofibroma: report of an unusual presentation, Nguyen KT; Pace R; Ludwin S; et al, J Canad Assoc Radiol 1990; **41:** 103

radiosurgery of acoustic neurinomas, (ab), Flickinger JC; Lunsford LD; Coffey RJ; et al, Radiology 1991; **180:** 592

Ramsay Hunt syndrome mimicking intracanalicular acoustic neuroma on contrast-enhanced MR, Anderson RE; Laskoff JM, AJNR 1990; **11:** 409

sonographic features of a renal pelvic neurofibroma, Le Cheong L; Khan AN; Bisset RAL, JCU 1990; **18:** 129

T1 and T2 measurements of meningiomas and neuromas before and after Gd-DTPA, Watabe T; Azuma T, AJNR 1989; **10:** 463

uptake of Ga-67 citrate in a benign neurofibroma, Kaplan IL; Swayne LC; Baydin JA, Clin Nucl Med 1989; **14:** 224

volume growth rate of acoustic neuromas on MRI post-stereotactic radiosurgery, To SYC; Lufkin RB; Rand R; et al, Comput Med Imag Graph 1990; **14:** 53

Neuroradiology

See Brain, CT; Cerebral angiography; Cerebral blood vessels; Nerves; Nervous system; Spinal cord, etc.

Neutrons

advances in treatment planning dosimetry for a high energy neutron beam, Blake SW, Br J Radiol 1991; **64:** 341

biological effectiveness of fast neutrons on a murine osteosarcoma, Ishii T; Ando K; Koike S, Int J Radiat Oncol Biol Phys 1989; **16:** 693

comparison of two methods of *in vivo* dosimetry for a high energy neutron beam, Blake SW; Bonnett DE; Finch J, Br J Radiol 1990; **63:** 476

control of patient positioning for fast neutron therapy using positron emission tomography, Vynckier S; Vanneste F; Richard F; et al, Br J Radiol 1989; **62:** 1031

dysphagia after fast neutron therapy to the head and neck, Alexander MSM; Edelman GM; Man K; et al, Br J Radiol 1989; **62:** 724

failure of accelerated neutron therapy to control high grade astrocytomas, Saroja KR; Mansell J; Hendrickson FR; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1295

"instant-mix" whole brain photon with neutron boost radiotherapy for malignant gliomas, Kolker JD; Halpern HJ; Krishnasamy S; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 409

lethal effects of FERMILAB fast neutrons vary with the depth of cells in a water phantom, Hill CK; Ten Haken RK; Awschalom M, Int J Radiat Oncol Biol Phys 1991; **20:** 1341

locally advanced breast cancer treated with neutron beams: long-term follow-up in 28 patients, Halpern J; Maor MH; Hussey DH; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 825

microdosimetry of a 42 MeV therapy neutron beam, Kliauga P; Horton J; Stafford P, Int J Radiat Oncol Biol Phys 1989; **16:** 845

mixed neutron/photon irradiation of unresectable squamous cell carcinomas of the head and neck: the final report of a randomized cooperative trial, Griffin TW; Pajak TF; Maor MH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 959

normal tissue reactions and complications following high-energy neutron beam therapy: I. crude response rates, Cohen L; Schultheiss TE; Hendrickson FR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 73

normal tissue reactions and complications following high-energy neutron beam therapy II: complication rates adjusted for censoring, Schultheiss TE; Cohen L; Mansell J, Int J Radiat Oncol Biol Phys 1990; **18:** 165

potential of neutron capture therapy in the management of uncontrollable localised tumours, Allen BJ, Australas Radiol 1990; **34:** 297

quality assessment of the effects of a hydrogenous filter on a p(66) Be(40) neutron beam, Slabbert JP; Binns PJ; Jones HL; et al, Br J Radiol 1989; **62:** 989

Non-Hodgkin lymphoma

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Normal variant

anatomic variants and artifacts in ERCP interpretation, Gulliver DJ; Cotton PB; Baillie J, AJR 1991; **156:** 975

arteriographic study of variant arterial anatomy of the upper extremities, Uglietta JP; Kadir S, Cardiovasc Intervent Radiol 1989; **12:** 145

cervical prevertebral fat stripe: a normal variant simulating prevertebral hemorrhage, Lewis CA; Castillo M; Hudgins PA, AJR 1990; **155:** 559

CT demonstration of pneumatization of the uncinate process, Bolger WE; Woodruff W; Parsons DS, AJNR 1990; **11:** 552

"dilatation" of the left renal vein on computed tomography in children: a normal variant, Zerin JM; Hernandez RJ; Sedman AB; et al, Pediatr Radiol 1991; **21:** 267

ectopia of the posterior pituitary gland as a normal variant: assessment with MR imaging, Benshoff ER; Katz BH, AJNR 1990; **11:** 709

hypoechoic area within the head of the pancreas—a normal variant, Donald JJ; Shorvon PJ; Lees WR, Clin Radiol 1990; **41:** 337

imaging of the Azygos lobe: normal anatomy and variations, Mata JM; Cáceres J; Alegret X; et al, AJR 1991; **156:** 931

normal metaphyseal radiologic variants not to be confused with findings of infant abuse, Kleinman PK; Belanger PL; Karellas A; et al, AJR 1991; **156:** 781

slit infrahepatic IVC: pathologic entity or normal variant?, Rak KM; Hopper KD; Tyler HN, JCU 1991; **19:** 399

some normal variants that may be mistaken for disease, Keats TE, Clin Imag 1991; **15:** 1

ultrasonography of splenic variants, Hine AL; Wilson SR, J Canad Assoc Radiol 1989; **40:** 25

unusual liver variant mimicking a retroperitoneal mass: CT scan appearance and diagnosis by SPECT imaging, Karlins NL; Marmolya G; Miron S, Clin Nucl Med 1990; **15:** 560

Nose, abnormalities

congenital nasal masses: CT and MR imaging features in 16 cases, Barkovich AJ; Vandermarck P; Edwards MSB; et al, AJR 1991; **156:** 587

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Nose, CT

computed tomographic features of esthesioneuroblastoma, Hurst RW; Erickson S; Cail WS; et al, Neuroradiol 1989; **31:** 253

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congenital nasal masses: CT and MR imaging features in 16 cases, Barkovich AJ; Vandermarck P; Edwards MSB; et al, AJR 1991; **156:** 587

CT evaluation of polymorphic reticulosis, Teng MMH; Chang CY; Guo WY; et al, Neuroradiol 1990; **31:** 498

intracerebral extension of nasal dermoid cyst: CT appearance, Uglietta JP; Boyko OB; Rippe DJ; et al, JCAT 1989; **13:** 1061

lesions that manifest as medial cheek and nasolabial fold masses, Som PM; Norton KI, Radiology 1991; **178:** 831

sphenochoanal polyps: evaluation with CT and MR imaging, Weissman JL; Tabor EK; Curtin HD, Radiology 1991; **178:** 145

thin section computed tomography in the evaluation of naso-ethmoidal trauma, Daly BD; Russell JL; Davidson MJ; et al, Clin Radiol 1990; **41:** 272

Nose, diseases

benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763

CT evaluation of polymorphic reticulosis, Teng MMH; Chang CY; Guo WY; et al, Neuroradiol 1990; **31:** 498

hypointense MR signal in chronically inspissated sinonasal secretions, Dillon WP; Som PM; Fullerton GD, Radiology 1990; **174:** 73

Nose, hemorrhage

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Nose, MR

benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763

congenital nasal masses: CT and MR imaging features in 16 cases, Barkovich AJ; Vandermarck P; Edwards MSB; et al, AJNR 1991; **12:** 105

congenital nasal masses: CT and MR imaging features in 16 cases, Barkovich AJ; Vandermarck P; Edwards MSB; et al, AJR 1991; **156:** 587

differentiation of proliferating from resting cartilage in human fetal nasal septum by magnetic resonance imaging, Allegrini PR; van Velzen D; van Loosen J; et al, Magn Res Med 1990; **14:** 369

facial surface coil for MR imaging, Hyde JS; Jesmanowicz A; Kneeland JB; Daniels DL; McGivney GP, Radiology 1990; **174:** 276

hypointense MR signal in chronically inspissated sinonasal secretions, Dillon WP; Som PM; Fullerton GD, Radiology 1990; **174:** 73

lesions that manifest as medial cheek and nasolabial fold masses, Som PM; Norton KI, Radiology 1991; **178:** 831

rhinocerebral mucormycosis: a case report with magnetic resonance imaging findings, McDevitt GR Jr; Brantley MJ; Cawthon MA, Clin Imag 1989; **13:** 317

sphenochoanal polyps: evaluation with CT and MR imaging, Weissman JL; Tabor EK; Curtin HD, Radiology 1991; **178:** 145

Nose, neoplasms

benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763

computed tomographic features of esthesioneuroblastoma, Hurst RW; Erickson S; Cail WS; et al, Neuroradiol 1989; **31:** 253

congenital nasal masses: CT and MR imaging features in 16 cases, Barkovich AJ; Vandermarck P; Edwards MSB; et al, AJNR 1991; **12:** 105

CT and MR assessment of tumors of the nose and paranasal sinuses, the nasopharynx and the parapharyngeal space using ROC methodology, Huninк MGM; de Slegte RGM; Gerritsen GJ; et al, Neuroradiol 1990; **32:** 220

interstitial iridium 192 for cutaneous carcinoma of the external nose, Crook JM; Mazeron J-J; Marinello G; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 243

lesions that manifest as medial cheek and nasolabial fold masses, Som PM; Norton KI, Radiology 1991; **178:** 831

malignant transformation of nasal polyp: case report, (ab), Hasegawa M; Nasu M; Ohki M; et al, Radiology 1989; **170:** 294

olfactory neuroblastoma mimicking primary intracranial neoplasm, Ho HW; Awwad EE; Martin DS; et al, Comput Med Imag Graph 1991; **15:** 125

radiation therapy of squamous cell carcinoma of the nasal vestibule, Levendag PC; Pomp J, Int J Radiat Oncol Biol Phys 1990; **19:** 1363

simulated aggressive skull base erosion in response to benign sinonasal disease, Som PM; Lawson W; Lidov MW, Radiology 1991; **180:** 755

sinonasal psammomatoid ossifying fibromas: CT and MR manifestations, Han MH; Chang KH; Lee CH; et al, AJNR 1991; **12:** 25

sphenochoanal polyp: CT findings, Hayes E; Lavelle W, JCAT 1989; **13:** 365

sphenochoanal polyps: evaluation with CT and MR imaging, Weissman JL; Tabor EK; Curtin HD, Radiology 1991; **178:** 145

Nose, therapeutic radiology

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olfactory sensations produced by high-energy photon irradiation of the olfactory receptor mucosa in humans, Sagar SM; Thomas RJ; Loverock LT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 771

radiation therapy of squamous cell carcinoma of the nasal vestibule, Levendag PC; Pomp J, Int J Radiat Oncol Biol Phys 1990; **19:** 1363

role of radiation therapy in inverted papilloma of the nasal cavity and paranasal sinuses, Guedea F; Mendenhall WM; Parsons JT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 777

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diet and cancer: a review, Miller AB, Acta Oncol 1990; **29:** 87

double lumen catheter for gastro-jejunal tube: feeding of debilitated infants, Greenberg SB, Pediatr Radiol 1991; **21:** 301

fluoroscopically guided nasoenteric feeding tube placement: results of a 1-year study, Gutierrez ED; Balfe DM, Radiology 1991; **178:** 759

hyperintense basal ganglia on T1-weighted MR images in patients receiving parenteral nutrition, Mirowitz SA; Westrich TJ; Hirsch JD, Radiology 1991; **181:** 117

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second opinion: transhepatic cannulation of the inferior vena cava, Lund GB, JVIR 1991; **2:** 334

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urinary oxalate excretion by very low birth weight infants receiving parenteral nutrition, (ab), Campfield T; Braden G, Radiology 1990; **175:** 887

Nutritional disorders

osteoporosis in women with eating disorders: comparison of physical parameters, exercise, and menstrual status with SPA and DPA evaluation, Joyce JM; Warren DL; Humphries LL; et al, J Nucl Med 1990; **31:** 325

O

Obesity

arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J, Radiology 1991; **180:** 177

body fat distribution measured with CT: correlations in healthy subjects, patients with anorexia nervosa, and patients with Cushing syndrome, Mayo-Smith W; Hayes CW; Biller BMK; Klibanski A; Rosenthal H; Rosenthal DI, Radiology 1989; **170:** 515

coaxial needle technique for lumbar puncture in the morbidly obese patient, Johnson JC; Deeb ZL, Radiology 1991; **179:** 874

effect of the Garren-Edwards gastric bubble on gastric emptying, Velchik MG; Kramer FM; Stunkard AJ; et al, J Nucl Med 1989; **30:** 692

measurement of abdominal fat with T1-weighted MR images, Lancaster JL; Ghiatas AA; Alyassin A; Kilcoyne RF; Bonora E; DeFronzo RA, JMRI 1991; **1:** 363

technique for cranial CT scanning of excessively obese patients, Finch IJ; Sun Y; Shatsky SA, AJNR 1989; **10:** 434

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actinomycosis of the greater omentum, Wan YL; Ng SH; Lee TY; et al, Gastrointest Radiol 1989; 14: 38
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ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; 10: 117
Omentum, cysts
mesenteric and omental cysts: an ultrasonographic and clinical study of 15 patients, Chou Y-H; Tiu C-M; Lui W-Y; et al, Gastrointest Radiol 1991; 16: 311
pediatric case of the day, Buonomo C; Griscom NT, Radiographics 1991; 11: 1146
pseudoascites: unusual presentation of omental cyst, Gyves-Ray K; Hernandez RJ; Hillemeier AC, Pediatr Radiol 1990; 20: 560
Omentum, neoplasms
omental teratoma in an adult: a case report, Whang SH; Lee KS; Kim PN; et al, Gastrointest Radiol 1990; 15: 301
primary leiomyosarcoma of the greater omentum: CT findings, Lee JT; Kim MJ; Yoo HS; et al, JCAT 1991; 15: 92
ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; 10: 117
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case report: characteristic ultrasonographic appearance of a large renal oncocytoma, Borgstein RL; Moran B; Davison LM, Clin Radiol 1991; 43: 426
intratumoral fat in a renal oncocytoma mimicking angiomyolipoma, Curry NS; Schabel SI; Garvin AJ; et al, AJR 1990; 154: 307
renal oncocytoma, Palmer WE; Chew FS, AJR 1991; 156: 1144
renal oncocytoma: a phenotypic and genotypic entity of renal parenchymal tuors, (ab), Kovacs G; Welter C; Wilkens L; et al, Radiology 1989; 173: 884
renal oncocytoma: report of a case with bilateral multifocal oncocytomas, Mead GO; Thomas LR Jr; Jackson JG, Clin Imag 1990; 14: 231
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AAPM tutorial: personal and public perceptions of radiation risks, Hendee WR, Radiographics 1991; 11: 1109
does the gallbladder have a future?, Martin EC; Getrajdman GI, Radiology 1989; 170: 969
National Institutes of Health and Academic Radiology: a view from the inside, Doppman JL, Radiology 1989; 171: 281
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focal amyloidosis of the head and neck: evaluation with CT and MR imaging, Gean-Marton AD; Kirsch CFE; Vezina LG; Weber AL, Radiology 1991; 181: 521
orbital pseudotumor imaged with Ga-67 citrate, Jaikishen P; Bateman JL; Shreeve WW, Clin Nucl Med 1989; 14: 838
Orbit, CT
abnormalities of the orbit and its contents in children: CT and MR imaging findings, Hopper KD; Sherman JL; Boal DKB, AJR 1991; 156: 1219
acute orbit: differentiation of orbital cellulitis from subperiosteal abscess by computerized tomography, Handler LC; Davey IC; Hill JC; et al, Neuroradiol 1991; 33: 15
computed tomography of acute orbital infection: the importance of coronal sections, Langham-Brown JJ; Rhys-Williams S, Clin Radiol 1989; 40: 471
congenital nasolacrimal mucoceles: CT evaluation, Rand PK; Ball WS Jr; Kulwin DR, Radiology 1989; 173: 691
CT characteristics of orbital pseudotumors and other orbital inflammatory processes, Flanders AE; Mafee MF; Rao VM; et al, JCAT 1989; 13: 40
CT findings in orbital tumours of nerve sheath origin, Dervin JE; Beaconsfield M; Wright JE; et al, Clin Radiol 1989; 40: 475
CT of infantile myofibromatosis of the orbit with intracranial involvement: a case report, Stautz CC, AJNR 1991; 12: 184
Graves orbitopathy: correlation of CT and clinical findings, Nugent RA; Belkin RI; Neigel JM; Rootman J; Robertson WD; Spinelli J; Graeb DA, Radiology 1990; 177: 675
idiopathic inflammatory pseudotumour of the orbit: CT features correlated with clinical outcome, McNicholas MMJ; Power WJ; Griffin JF, Clin Radiol 1991; 44: 3
imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; 9: 1023
localisation of intraocular and intraorbital foreign bodies using computed tomography, Etherington RJ; Hourihan MD, Clin Radiol 1989; 40: 610
new device for CT-targeted percutaneous punctures, Ozdoba C; Voigt K; Nüsslin F, Radiology 1991; 180: 576
orbital "blow-in" fractures: clinical and CT features, Chirico PA; Mirvis SE; Kelman SE; et al, JCAT 1989; 13: 1017
orbital intraconal haematic cysts in young people: computed tomography and magnetic resonance imaging, Travis RC; Murray PI; Moseley IF; et al, Br J Radiol 1989; 62: 521
orbital lymphangiomas: clinical, radiologic, and pathologic characteristics, Graeb DA; Rootman J; Robertson WD; Lapointe JS; Nugent RA; Hay EJ, Radiology 1990; 175: 417
orbital varices: a new technique for noninvasive diagnosis, Shnier R; Parker GD; Hallinan JM; et al, AJNR 1991; 12: 717
orbital varix: color flow imaging correlated with CT and MR studies, Wildenhain PM; Lehár SC; Dastur KJ; et al, JCAT 1991; 15: 171
radiation doses to the lens of the eye during computerised tomography of the orbit: a comparison of four modern computerised tomography units, Siddle KJ; Sim LH; Case CC, Australas Radiol 1990; 34: 323
radiation dose to the lens of the eye during computerised tomography examinations of the orbit, the pituitary fossa and the brain on a General Electric 9800 Quick C.T. scanner, Siddle KJ; Sim L, Australas Radiol 1990; 34: 326
spontaneous expulsive choroidal hemorrhage: CT findings, Knopp EA; Chynn KY, AJNR 1990; 11: 1208
use of real-time orbital ultrasound in Graves' ophthalmopathy: a comparison with computed tomography, Given-Wilson R; Pope RM; Michell MJ; et al, Br J Radiol 1989; 62: 705
Orbit, cysts
case report: leptomeningeal cyst of the orbit presenting with pulsatile exophthalmos, Abernethy LJ; Whittle IR; Sellar RJ, Clin Radiol 1989; 40: 531
chronic hematic cysts of the orbit, Wiot JG; Pleatman CW, AJNR 1989; 10: S37

orbital cyst with pseudooptic nerve: CT features, Thach AB; Busack JA; La Piana FG; et al, JCAT 1990; **14:** 131

orbital hydatid cyst: assessment of two cases, Alparslan L; Kanberoglu K; Peksayar G; et al, Neuroradiol 1990; **32:** 163

orbital intraconal haematic cysts in young people: computed tomography and magnetic resonance imaging, Travis RC; Murray PI; Moseley IF; et al, Br J Radiol 1989; **62:** 521

Orbit, diseases

cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Tien RD; Brasch RC; Jackson DE; Dillon WP, Radiology 1989; **172:** 791

Graves ophthalmopathy: MR imaging of the orbits, Hosten N; Sander B; Cordes M; Schubert CJ; Schörner W; Felix R, Radiology 1989; **172:** 759

Graves orbitopathy: correlation of CT and clinical findings, Nugent RA; Belkin RI; Neigel JM; Rootman J; Robertson WD; Spinelli J; Graeb DA, Radiology 1990; **177:** 675

imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; **9:** 1023

use of real-time orbital ultrasound in Graves' ophthalmopathy: a comparison with computed tomography, Given-Wilson R; Pope RM; Michell MJ; et al, Br J Radiol 1989; **62:** 705

Orbit, fractures

evaluation of the orbital floor in zygoma fractures, (ab), Prendergast ML; Wildes TO, Radiology 1989; **170:** 589

orbital "blow-in" fractures: clinical and CT features, Chirico PA; Mirvis SE; Kelman SE; et al, JCAT 1989; **13:** 1017

orbital fractures: surface coil MR imaging, Tonami H; Yamamoto I; Matsuda M; Tamamura H; Yokota H; Nakagawa T; Takarada A; Okimura T, Radiology 1991; **179:** 789

polyp masquerading as orbital blowout fracture, Rubinstein C; O'Neill R; Brown P, Australas Radiol 1991; **35:** 94

temporal approach to impacted lateral orbital wall fractures, (ab), Stanley RB Jr, Radiology 1989; **170:** 590

Orbit, hemorrhage

spontaneous expulsive choroidal hemorrhage: CT findings, Knopp EA; Chynn KY, AJNR 1990; **11:** 1208

Orbit, inflammation

acute orbit: differentiation of orbital cellulitis from subperiosteal abscess by computerized tomography, Handler LC; Davey IC; Hill JC; et al, Neuroradiol 1991; **33:** 15

computed tomography of acute orbital infection: the importance of coronal sections, Langham-Brown JJ; Rhys-Williams S, Clin Radiol 1989; **40:** 471

CT characteristics of orbital pseudotumors and other orbital inflammatory processes, Flanders AE; Mafee MF; Rao VM; et al, JCAT 1989; **13:** 40

idiopathic inflammatory pseudotumour of the orbit: CT features correlated with clinical outcome, McNicholas MMJ; Power WJ; Griffin JF, Clin Radiol 1991; **44:** 3

optic neuritis and orbital lesions: lipid-suppressed chemical shift MR imaging, Lee DH; Simon JH; Szumowski J; Feasby TE; Karlik SJ; Fox AJ; Pelz DM, Radiology 1991; **179:** 543

Orbit, injuries

orbital fractures: surface coil MR imaging, Tonami H; Yamamoto I; Matsuda M; Tamamura H; Yokota H; Nakagawa T; Takarada A; Okimura T, Radiology 1991; **179:** 789

Orbit, MR

abnormalities of the orbit and its contents in children: CT and MR imaging findings, Hopper KD; Sherman JL; Boal DKB, AJR 1991; **156:** 1219

artificial tears for orbital and ocular MR imaging, Bardenstein DS; Smith AS, Radiology 1991; **179:** 584

cerebral Erdheim-Chester disease: persistent enhancement with Gd-DTPA on MR images, Tien RD; Brasch RC; Jackson DE; Dillon WP, Radiology 1989; **172:** 791

chemical shift imaging with paramagnetic contrast material enhancement for improved lesion depiction, Simon JH; Szumowski J, Radiology 1989; **171:** 539

facial surface coil for MR imaging, Hyde JS; Jesmanowicz A; Kneeland JB; Daniels DL; McGivney GP, Radiology 1990; **174:** 276

Graves ophthalmopathy: MR imaging of the orbits, Hosten N; Sander B; Cordes M; Schubert CJ; Schörner W; Felix R, Radiology 1989; **172:** 759

imaging of the pediatric eye and orbit, Wells RG; Sty JR; Gonnering RS, Radiographics 1989; **9:** 1023

intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, Tien RD; Chu PK; Hesselink JR; et al, AJNR 1991; **12:** 245

intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, Tien RD; Chu PK; Hesselink JR; et al, AJR 1991; **156:** 1059

MR appearance of intraorbital granular cell tumor: a case report, Morimura T; Hayashi H; Kohchi N; et al, AJNR 1991; **12:** 714

optic neuritis and orbital lesions: lipid-suppressed chemical shift MR imaging, Lee DH; Simon JH; Szumowski J; Feasby TE; Karlik SJ; Fox AJ; Pelz DM, Radiology 1991; **179:** 543

orbital fractures: surface coil MR imaging, Tonami H; Yamamoto I; Matsuda M; Tamamura H; Yokota H; Nakagawa T; Takarada A; Okimura T, Radiology 1991; **179:** 789

orbital intraconal haematic cysts in young people: computed tomography and magnetic resonance imaging, Travis RC; Murray PI; Moseley IF; et al, Br J Radiol 1989; **62:** 521

orbital sinus histiocytosis: MR appearance, Burton EM; Hickman M; Boulden TF; et al, JCAT 1989; **13:** 696

orbital varix: color flow imaging correlated with CT and MR studies, Wildenhain PM; Lehár SC; Dastur KJ; et al, JCAT 1991; **15:** 171

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

superior oblique tendon sheath syndrome (Brown syndrome): MR findings, Tien RD; Duberg A; Chu PK; et al, AJNR 1990; **11:** 1210

Orbit, neoplasms

cholesterol granuloma of the frontal bone: CT diagnosis, Eijpe AA; Koornneef L; Verbeeten B; et al, JCAT 1990; **14:** 914

clinico-pathological analysis of seventeen cases of non-Hodgkin's lymphoma involving the orbit, Liang R; Loke SL; Chiu E, Acta Oncol 1991; **30:** 335

CT findings in orbital tumours of nerve sheath origin, Dervin JE; Beaconsfield M; Wright JE; et al, Clin Radiol 1989; **40:** 475

intra- and paraorbital lesions: value of fat-suppression MR imaging with paramagnetic contrast enhancement, Tien RD; Chu PK; Hesselink JR; et al, AJR 1991; **156:** 1059

intraorbital tumor as the initial symptom of childhood acute lymphoblastic leukemia: magnetic resonance imaging findings, Yuh WTC; Flickinger FW; Willekes CL; et al, Clin Imag 1990; **14:** 120

juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263

MR appearance of intraorbital granular cell tumor: a case report, Morimura T; Hayashi H; Kohchi N; et al, AJNR 1991; **12:** 714

orbital fibrous histiocytoma: computed tomography in 10 cases and a review of radiological findings, Jacomb-Hood J; Moseley IF, Clin Radiol 1991; **43:** 117

orbital granulocytic sarcoma, Banna M; Aur R; Akkad S, AJNR 1991; **12:** 255

orbital lymphangiomas: clinical, radiologic, and pathologic characteristics, Graeb DA; Rootman J; Robertson WD; Lapointe JS; Nugent RA; Hay EJ, Radiology 1990; **175:** 417

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

polyp masquerading as orbital blowout fracture, Rubinstein C; O'Neill R; Brown P, Australas Radiol 1991; **35:** 94

primary orbital lymphoma: staging by computed tomographic scanning, Mills P; Parsons CA, Br J Radiol 1989; **62:** 287

radioimmunoscintigraphy of orbital metastases from ovarian carcinoma, Bomanji J; Glaholm J; Hungerford JL; et al, Clin Nucl Med 1990; **15:** 825

unusual CNS and orbital metastases of neuroblastoma, Gallet BL; Egelhoff JC, Pediatr Radiol 1989; **19:** 287

Orbit, therapeutic radiology

anterior appositional electron field technique with a hanging lens block inorbital radiotherapy: a dosimetric study, Borger F; Rosenberg I; Vijayakumar S; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 795

juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263

local control and complications after radiation therapy for primary orbital lymphoma: a case for low-dose treatment, Minehan KJ; Martenson JA Jr; Garrity JA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 791

results of radiotherapy for orbital pseudotumor, Lanciano R; Fowble B; Sergott RC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 407

Orbit, US

color Doppler flow imaging of the normal and abnormal orbit, Erickson SJ; Hendrix LE; Massaro BM; Harris GJ; Lewandowski MF; Foley WD; Lawson TL, Radiology 1989; **173:** 511

Orbit, varices

orbital varices: a new technique for noninvasive diagnosis, Shnier R; Parker GD; Hallinan JM; et al, AJNR 1991; **12:** 717

orbital varix: color flow imaging correlated with CT and MR studies, Wildenhain PM; Lehár SC; Dastur KJ; et al, JCAT 1991; **15:** 171

Orchitis

color Doppler sonography in acute epididymitis and orchitis, Ralls PW; Jensen MC; Lee KP; et al, JCU 1990; **18:** 383

color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941

color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958

color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958

MR imaging in the differential diagnosis of scrotal and testicular disease, Cramer BM; Schlegel EA; Thueroff JW, Radiographics 1991; **11:** 9

scrotal inflammatory disease: color Doppler US findings, Horstman WG; Middleton WD; Melson GL, Radiology 1991; **179:** 55

sonographic features of focal orchitis, Lentini JF; Benson CB; Richie JP, J Ultrasound Med 1989; **8:** 361

sonography of large scrotal infections, Jafri SZH; Bree RL; Madrazo BL; et al, JCU 1991; **19:** 413

three-phase bone scan reveals epididymo-orchitis, Schauwecker DS, Clin Nucl Med 1989; **14:** 468

tuberculous epididymo-orchitis: sonographic findings, Chung T; Harris RD, JCU 1991; **19:** 367

Osteitis deformans

bone marrow scintigraphy in Paget's disease of bone, Rudberg U; Ahlbäck S-O; Udén R, Acta Radiol 1990; **31:** 141

case of the pathetic pagetic patella, D'Haem RJ; Cole RL, Clin Nucl Med 1989; **14:** 306

case report 530, Geil GE; Staple TW, Skeletal Radiol 1989; **18:** 140

case report 595, Geil GE; Staple TW, Skeletal Radiol 1990; **19:** 290

case report 644, Hermann G; Abdelwahab IF; Klein MJ; et al, Skeletal Radiol 1990; **19:** 613

extensive Paget's disease demonstrated on In-111 WBC scanning, Iles SE, Clin Nucl Med 1990; 15: 652

imaging of osteoporosis circumscripta: two cases, Black RR; Fernandez-Ulloa M, Clin Nucl Med 1989; 14: 775

juvenile Paget's disease—a case report, Saraf SK; Gupta SK, Australas Radiol 1989; 33: 189

magnetic resonance imaging in symptomatic Paget's disease, Kaufmann GA; Sundaram M; McDonald DJ, Skeletal Radiol 1991; 20: 413

metastatic prostate carcinoma mimicking Paget's disease on bone imaging, Fig LM; Gross MD, Clin Nucl Med 1989; 14: 777

MR imaging of lytic changes in Paget disease of the calvarium, Kelly JK; Denier JE; Wilner HI; et al, JCAT 1989; 13: 27

multiple giant cell tumors and Paget disease of bone: radiographic and clinical correlations, Potter HG; Schneider R; Ghelman B; Healey JH; Lane JM, Radiology 1991; 180: 261

non-neoplastic lesions of vertebral bodies: findings in magnetic resonance imaging, Hayes CW; Jensen ME; Conway WF, Radiographics 1989; 9: 883

Paget disease: MR imaging findings, Roberts MC; Kressel HY; Fallon MD; Zlatkin MB; Dalinka MK, Radiology 1989; 173: 341

Paget's disease of the patella, Stull MA; Moser RP Jr; Vinh TN; et al, Skeletal Radiol 1990; 19: 407

Paget's disease of the skull: serendipity on gallium scintigraphy, Palestro CJ; Vega A; Kim CK; et al, Clin Nucl Med 1990; 15: 574

Paget's disease of the thoracic spine: a case report, Cicuttini F; Baro G; Littlejohn G, Australas Radiol 1990; 34: 177

Paget's disease with headache and disorientation, Morris CS, Invest Radiol 1990; 25: 1279

sarcoma in Paget disease of bone: clinical, radiologic, and pathologic features in 22 cases, Moore TE; King AR; Kathol MH; et al, AJR 1991; 156: 1199

SPECT bone scintigraphy in assessment of cranial Paget's disease, Brixen K; Hansen HH; Mosekilde L; et al, Acta Radiol 1990; 31: 549

sternal mass in a patient with Paget's disease, Dowling K; Hutto RL; Dowling EA, Invest Radiol 1991; 26: 615

successful treatment of resistant Paget's disease of bone with pamidronate, (ab), Mallette LE, Radiology 1990; 175: 886

syringomyelia associated with Paget disease of the skull, Pryce AP; Wiener SN, AJR 1990; 155: 881

Tc-99m DTPA uptake in Paget's disease of the left ilium, Larcos G; Gruenewald SM; Farlow DC; et al, Clin Nucl Med 1990; 15: 22

whole body retention of Tc-99m phosphate in Paget's disease of bone, Hadjipavlou A; Lisbona R; Garbuz D; et al, Clin Nucl Med 1991; 16: 435

Osteoarthropathy, hypertrophic

hypertrophic osteoarthropathy caused by lung metastasis of an osteosarcoma, Flueckiger F; Fotter R; Hausegger K; et al, Pediatr Radiol 1989; 20: 128

hypertrophic pulmonary osteoarthropathy due to a pulmonary metastasis from a soft tissue sarcoma, Banerjee AK; Carvalho P, Clin Nucl Med 1991; 16: 270

hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. a case report and review of the literature, Davies RA; Darby M; Richards MA, Clin Radiol 1991; 43: 268

resolution of hypertrophic pulmonary osteoarthropathy after radiotherapy in the absence of lung tumor response, Campeau RJ; Rosales OR; Garcia OM; et al, Clin Nucl Med 1989; 14: 453

Osteoblastoma

18-year-old man with a 4-month history of progressive neck and right shoulder pain, Nazarian LN; Govoni AF; Carter DJ, Clin Imag 1990; 14: 67

case report 531, Raymond AK; Raymond PG; Edeiken J, Skeletal Radiol 1989; 18: 143

case report 538, Ellis BI; Shier CK; Gaba AR; et al, Skeletal Radiol 1989; 18: 228

case report 566, Vade A; Wilbur A; Pudlowski R; et al, Skeletal Radiol 1989; 18: 475

case report 574, Gentry JF; Schechter JJ; Mirra JM, Skeletal Radiol 1989; 18: 551

case report 647, Paige ML; Michael AS; Brodin A, Skeletal Radiol 1991; 20: 54

osteoblastoma: clinical and radiologic findings in 98 new cases, Kroon HM; Schurmans J, Radiology 1990; 175: 783

widespread inflammatory response to osteoblastoma: the flare phenomenon, Crim JR; Mirra JM; Eckardt JJ; Seeger LL, Radiology 1990; 177: 835

Osteochondritis dissecans

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; 170: 99

demonstration of osteochondritis dissecans of the talus by coronal computed tomographic arthrography, Davies AM; Cassar-Pullicino VN, Br J Radiol 1989; 62: 1050

familial osteochondritis dissecans, Paes RA, Clin Radiol 1989; 40: 501

MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; 11: 401

MR of osteochondritis dissecans and avascular necrosis of the mandibular condyle, Schellhas KP; Wilkes CH; Fritts HM; et al, AJNR 1989; 10: 3

osteochondritis dissecans of the dome of the talus: computed tomography scanning in diagnosis and follow-up, (ab), Zinman C; Wolfson N; Reis ND, Radiology 1989; 171: 294

osteochondritis dissecans of the knee: value of MR imaging in determining lesion stability and the presence of articular cartilage defects, De Smet AA; Fisher DR; Graf BK; et al, AJR 1990; 155: 549

osteochondritis dissecans of the talus and knee: prospective comparison of MR and arthroscopic classifications, Nelson DW; DiPaola J; Colville M; et al, JCAT 1990; 14: 804

ultrasonography of osteochondritis dessecans of the knee: a preliminary report, Gregersen HE; Rasmussen OS, Acta Radiol 1989; 30: 552

value of MR imaging in staging osteochondral lesions of the talus (osteochondritis dissecans): results in 14 patients, De Smet AA; Fisher DR; Burnstein MI; et al, AJR 1990; 154: 555

Osteochondrodysplasias

See Bones, osteochondrodysplasias

Osteochondroma

case report 522, Resnik CS; Levine AM; Aisner SC; et al, Skeletal Radiol 1989; 18: 66

case report 545, Tajima K; Nishida J; Yamazaki K; et al, Skeletal Radiol 1989; 18: 306

case report 626, van Lerberghe E; van Damme B; van Holsbeeck M; et al, Skeletal Radiol 1990; 19: 594

case report 630, Shogry MEC; Armstrong P, Skeletal Radiol 1990; 19: 465

case report 632, Abrahams TG; Whitten CG; Jones M; et al, Skeletal Radiol 1991; 20: 47

femoral vein compression in solitary osteochondroma of head of femur, Malik N; Khandelwal N; Mandal P; et al, Australas Radiol 1990; 34: 91

intracranial osteochondroma: MR and CT appearance, Beck DW; Dyste GN, AJNR 1989; 10: S7

lockjaw secondary to skull base osteochondroma: CT findings, Castillo M; Hudgins PA; Hoffman JC Jr, JCAT 1989; 13: 338

myelopathy due to osteochondroma: MR and CT studies, Moriwaka F; Hozen H; Nakane K; et al, JCAT 1990; 14: 128

role of angiography in limb-tumor surgery, Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM, Radiographics 1991; 11: 1029

soft tissue osteochondroma: a report of three cases, Li C; Arger PH; Dalinka MK, Skeletal Radiol 1989; 18: 435

synovial osteochondromatosis of the shoulder: MR findings, Tuckman G; Wirth CZ, JCAT 1989; 13: 360

temporomandibular joint synovial osteochondromatosis: CT manifestations, Munk PL; Helms CA, J Canad Assoc Radiol 1989; 40: 274

Osteodystrophy

See Bones, primary metabolic abnormalities

Osteogenesis imperfecta

See Bones, osteochondrodysplasias

Osteolysis

bone lysis in well-fixed cemented femoral components, (ab), Maloney WJ; Murali J; Rosenberg A; et al, Radiology 1991; 179: 591

case report 672, Friedman L; Horwitz T; Beck M; et al, Skeletal Radiol 1991; 20: 307

detection of thoracolumbar vertebral body destruction with lateral spine radiography: part I: investigation in cadavers, Haller J; André MP; Resnick D; et al, Invest Radiol 1990; 25: 517

detection of thoracolumbar vertebral body destruction with lateral spine radiography: part II: clinical investigation with computed tomography, Haller J; André MP; Resnick D; et al, Invest Radiol 1990; 25: 523

endosteal erosion in association with stable uncemented femoral components, (ab), Maloney WJ; Jasty M; Harris WH; et al, Radiology 1991; 178: 899

localised endosteal bone lysis in relation to the femoral components of cemented total hip arthroplasties, (ab), Anthony PP; Gie GA; Howie CR; et al, Radiology 1991; 179: 591

multicentric/massive idiopathic osteolysis in a 17-year-old girl, Kozlowski K; Bacha L; Brachimi L; et al, Pediatr Radiol 1990; 21: 48

osteolytic lesions of the patella, Ehara S; Khurana JS; Kattapuram SV; et al, AJR 1989; 153: 103

post-traumatic osteolysis of the clavicle: MR features, Erickson SJ; Kneeland JB; Komorowski RA; et al, JCAT 1990; 14: 835

radiographic features of familial expansile osteolysis, Crone MD; Wallace RGH, Skeletal Radiol 1990; 19: 245

Osteoma

case report 560, Baum PA; Nelson MC; Lack EE; et al, Skeletal Radiol 1989; 18: 406

case report 596, Cervilla V; Haghighi P; Resnick D; et al, Skeletal Radiol 1990; 19: 135

from the archives of the AFIP: osteoid osteoma, Kransdorf MJ; Stull MA; Gilkey FW; Moser RP Jr, Radiographics 1991; 11: 671

intracapsular osteoid osteoma of the proximal femur: findings on plain film and CT, Schlesinger AE; Hernandez RJ, AJR 1990; 154: 1241

intraoperative radioactive localization of an osteoid osteoma: a useful variation in technique, Todd BD; Godfrey LW; Bodley RN, Br J Radiol 1989; 62: 187

MR appearance of painful conditions of the ankle, Kier R; McCarthy SM; Dietz MJ; Rudicel S, Radiographics 1991; 11: 401

nidus of an osteoid osteoma mimicking an os supratrochleare dorsale, Roberts P; Davies AM; Starkie CM; et al, Br J Radiol 1990; 63: 899

osteoid osteoma: CT-guided percutaneous treatment, Mazoyer J-F; Kohler R; Bossard D, Radiology 1991; 181: 269

osteoid osteoma of the cervical spine: misleading MR features about a case involving the uncinate process, Houang B; Grenier N; Gréselle JF; et al, Neuroradiol 1990; 31: 549

osteoid osteoma of the elbow: a review of six cases, Moser RP Jr; Kransdorf MJ; Brower AC; et al, Skeletal Radiol 1990; 19: 181

osteoid osteoma of the spine: radiological aspects and value of arteriography, Crouzet G; Mnif J; Vasdev A; et al, J Neuroradiol 1989; 16: 145

osteoid osteomas of the hand: report of three cases and review of the literature, Muren C; Höglund M; Engkvist O; et al, Acta Radiol 1991; 32: 62

percutaneous removal of osteoid osteomas using CT control, Doyle T; King K, Clin Radiol 1989; **40:** 514

phalangeal osteoid osteoma, Meng Q; Watt I, Br J Radiol 1989; **62:** 321

preoperative localization of osteoid osteoma: a new technique that uses CT, Steinberg GG; Coumas JM; Breen T, AJR 1990; **155:** 883

recurring osteoblastoma initially presenting as a typical osteoid osteoma: report of two cases, Bettelli G; Tigani D; Picci P, Skeletal Radiol 1991; **20:** 1

use of SPECT in the diagnosis of epiphyseal osteoid osteoma, Murray IPC; Rossleigh MA; Van der Wall H, Clin Nucl Med 1989; **14:** 811

Osteomalacia

enthesopathic changes of hypophosphatemic osteomalacia in adults: radiologic findings, Burnstein MI; Lawson JP; Kottamasu SR; et al, AJR 1989; **153:** 785

rickets and osteomalacia are still around, Pitt MJ, Radiol Clin North Am 1991; **29:** 97

tumor-induced osteomalacia and rickets, (ab), Nuovo MA; Dorfman HD; Sun C-CJ; et al, Radiology 1989; **173:** 886

Osteomyelitis

See Bones, infection

Osteonecrosis

See Bones, necrosis

Osteopetrosis

See Bones, osteochondrodysplasias

Osteoporosis

accuracy of dual-energy radiographic absorptiometry of the lumbar spine: cadaver study, Ho CP; Kim RW; Schaffler MB; Sartoris DJ, Radiology 1990; **176:** 171

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

appropriate use of bone densitometry, Genant HK; Block JE; Steiger P; Glüer C-C; Ettinger B; Harris ST, Radiology 1989; **170:** 817

are patients with fractures of the femoral neck more osteoporotic?, Høiseth A; Alho A; Husby T; et al, Eur J Radiol 1991; **13:** 2

assessment of osteoporotic spine deformity: a new method, Raymakers JA; Kapelle JW; van Beresteijn ECH; et al, Skeletal Radiol 1990; **19:** 91

atraumatic sternal fractures secondary to osteoporosis, Sapherson DA; Mitchell SCM, Clin Radiol 1990; **42:** 250

axial bone density in rheumatoid arthritis: comparison of dual-energy projection radiography and dual-photon absorptiometry, O'Malley M; Kenrick AJ; Sartoris DJ; Hochberg AM; Weisman MH; Ramos E; Zvaifler N; Resnick D, Radiology 1989; **170:** 501

bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143

broadband ultrasound attenuation: a new diagnostic method in osteoporosis, Resch H; Pietschmann P; Bernecker P; et al, AJR 1990; **155:** 825

case report 613, Spriggs DW, Skeletal Radiol 1990; **19:** 302

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

dual-energy radiographic absorptiometry of the lumbar spine: clinical experience with two different systems, Gundry CR; Miller CW; Ramos E; Moscona A; Stein JA; Mazess RB; Sartoris DJ; Resnick D, Radiology 1990; **174:** 539

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

imaging of osteoporosis circumscripta: two cases, Black RR; Fernandez-Ulloa M, Clin Nucl Med 1989; **14:** 775

MR imaging of transient osteoporosis, Leonidas JC, Radiology 1989; **170:** 281

MR imaging of transient osteoporosis: reply, Bloem JL, Radiology 1989; **170:** 281

osteoporosis, Gillespy T III; Gillespy MP, Radiol Clin North Am 1991; **29:** 77

osteoporosis: current techniques and recent developments in quantitative bone densitometry, Lang P; Steiger P; Faulkner K; et al, Radiol Clin North Am 1991; **29:** 49

osteoporosis: diagnosis by plain chest film versus dual photon bone densitometry, Williamson MR; Boyd CM; Williamson SL, Skeletal Radiol 1990; **19:** 27

osteoporosis in women with eating disorders: comparison of physical parameters, exercise, and menstrual status with SPA and DPA evaluation, Joyce JM; Warren DL; Humphries LL; et al, J Nucl Med 1990; **31:** 325

precision in assessment of osteoporosis from spine radiographs, Nielsen V-AH; Pødenphant J; Martens S; et al, Eur J Radiol 1991; **13:** 11

quantitative dual-energy radiographic absorptiometry of the lumbar spine: in vivo comparison with dual-photon absorptiometry, Borders J; Kerr E; Sartoris DJ; Stein JA; Ramos E; Moscona AA; Resnick D, Radiology 1989; **170:** 129

quantitative γ-ray computed tomography of the radius in normal subjects and osteoporotic patients, Smith DAS; Hosie CJ; Deacon AD; et al, Br J Radiol 1990; **63:** 776

scintigraphic evaluation of regional migratory osteoporosis, Kim SM; Desai AG; Krakovitz M; et al, Clin Nucl Med 1989; **14:** 36

screening for osteoporosis, (ab), Melton LJ III; Eddy DM; Johnston CC Jr, Radiology 1990; **177:** 894

sex hormone status and osteoporosis in postmenopausal women with rheumatoid arthritis, (ab), Sambrook PN; Eisman JA; Champion GD, Radiology 1989; **171:** 294

skeletal structure-function revisited, Cann CE, Radiology 1991; **179:** 607

spinal bone mineral density measured with quantitative CT: effect of region of interest, vertebral level, and technique, Steiger P; Block JE; Steiger S; Heuck AF; Friedlander A; Ettinger B; Harris ST; Glüer C-C; Genant HK, Radiology 1990; **175:** 537

'stress fracture' in osteoporosis treated with sodium fluoride, Gips S; Cohen L; Hardoff R, Clin Nucl Med 1991; **16:** 183

trabecular structure: preliminary application of MR interferometry, Wehrli FW; Ford JC; Attie M; Kressel HY; Kaplan FS, Radiology 1991; **179:** 615

vertebral compression fractures: distinction between benign and malignant causes with MR imaging, Yuh WTC; Zachar CK; Barloon TJ; Sato Y; Sickels WJ; Hawes DR, Radiology 1989; **172:** 215

Osteosarcoma

alterations of blood analyses at relapse of osteosarcoma and Ewing's sarcoma, Hannisdal E; Solheim ØP; Theodorsen L; et al, Acta Oncol 1990; **29:** 585

biological effectiveness of fast neutrons on a murine osteosarcoma, Ishii T; Ando K; Koike S, Int J Radiat Oncol Biol Phys 1989; **16:** 693

case report 523, Moss CS; Williams C; Ellis BI; et al, Skeletal Radiol 1989; **18:** 70

case report 529, Baró PR; Bastart FM; Bartrina JR; et al, Skeletal Radiol 1989; **18:** 136

case report 532, Grignon DJ; Ayala AG; Carrasco CH; et al, Skeletal Radiol 1989; **18:** 147

case report 540, López-Barea F; Contreras F; Sanchez-Herrera S, Skeletal Radiol 1989; **18:** 237

case report 565, Present D; Bertoni F; Laus M; et al, Skeletal Radiol 1989; **18:** 471

case report 585, Anderson RB; McAlister JA; Wrenn RN, Skeletal Radiol 1989; **18:** 627

case report 626, van Lerberghe E; van Damme B; van Holsbeeck M; et al, Skeletal Radiol 1990; **19:** 594

case report 628, Sim FH; Kurt A-M; McLeod RA; et al, Skeletal Radiol 1990; **19:** 457

case report 641, Schajowicz F; Donato de Próspero J; Cosentino E, Skeletal Radiol 1990; **19:** 603

case report 643, Kim H; Park C; Lee YB; et al, Skeletal Radiol 1990; **19:** 609

case report 648, Iemoto Y; Ushigome S; Ikegami M; et al, Skeletal Radiol 1991; **20:** 59

case report 679, Iemoto Y; Ushigome S; Fukunaga M; et al, Skeletal Radiol 1991; **20:** 379

case report: fatal pulmonary embolism due to osteogenic sarcoma in a child, Booth AJ; Tweed CS, Clin Radiol 1989; **40:** 533

computed tomography of primary renal osteosarcoma, Zagoria RJ; Dyer RB, JCAT 1991; **15:** 146

cross-sectional imaging in the evaluation of osteogenic sarcoma: MRI and CT, Seeger LL; Eckardt JJ; Bassett LW, Semin Roentgenol 1989; **24:** 174

effect of local extent of the tumor on prognosis in osteosarcoma, (ab), Spanier SS; Shuster JJ; Vander Griend RA, Radiology 1991; **178:** 295

epiphyseal involvement in osteosarcoma, Norton KI; Hermann G; Abdelwahab IF; Klein MJ; Granowetter LF; Rabinowitz JG, Radiology 1991; **180:** 813

extremity osteosarcomas: intraarterial chemotherapy and limb-sparing resection with 2-year follow-up, Kashdan BJ; Sullivan KL; Lackman RD; Shapiro MJ; Bonn J; Weiss AJ; Gardiner GA Jr, Radiology 1990; **177:** 95

hypertrophic osteoarthropathy caused by lung metastasis of an osteosarcoma, Flueckiger F; Fotter R; Hausegger K; et al, Pediatr Radiol 1989; **20:** 128

MR imaging of transarticular skip metastases from distal femoral osteosarcoma, Wetzel LH; Schweiger GD; Levine E, JCAT 1990; **14:** 315

ossifying metastasis in lymph nodes and other bones in osteosarcoma, Saha MM; Kapoor R, Pediatr Radiol 1989; **20:** 97

osteogenic sarcoma: MR signal abnormalities of the brain in asymptomatic patients treated with high-dose methotrexate, Lien HH; Blomlie V; Saeter G; Solheim Ø; Fosså SD, Radiology 1991; **179:** 547

osteogenic sarcoma with pulmonary metastasis visualized by bone imaging, Velchik MG; Wegener W, Clin Nucl Med 1990; **14:** 662

osteosarcoma, Edeiken-Monroe B; Edeiken J; Jacobson HG, Semin Roentgenol 1989; **24:** 153

osteosarcoma and the role of fine-needle aspiration: a study of 51 cases, (ab), White VA; Fanning CV; Ayala AG; et al, Radiology 1989; **171:** 590

osteosarcoma: angiographic assessment of response to preoperative chemotherapy, Carrasco CH; Charnsangavej C; Raymond AK; Richli WR; Wallace S; Chawla SP; Ayala AG; Murray JA; Benjamin RS, Radiology 1989; **170:** 839

osteosarcoma: an unusual thoracic metastasis, Charig MJ; Golding SJ; Lindsell DRM, Br J Radiol 1990; **63:** 304

osteosarcoma: interventional radiology in diagnosis and management, Carrasco CH; Charnsangavej C; Richli WR; et al, Semin Roentgenol 1989; **24:** 193

osteosarcoma metastatic to the kidney, Lockhart SK; Coan JD; Jaffe N; et al, Clin Imag 1989; **13:** 154

osteosarcoma: MR imaging after preoperative chemotherapy, Pan G; Raymond AK; Carrasco CH; Wallace S; Kim EE; Shirkhoda A; Jaffe N; Murray JA; Benjamin RS, Radiology 1990; **174:** 517

osteosarcoma: pathology and classification, Unni KK; Dahlin DC, Semin Roentgenol 1989; **24:** 143

osteosarcoma—presumed lymph node metastases in two cases, English R; Dicks-Mireaux C; Malone M; et al, Skeletal Radiol 1989; **18:** 289

osteosarcomatosis, Hopper KD; Moser RP Jr; Haseman DB; Sweet DE; Madewell JE; Kransdorf MJ, Radiology 1990; **175:** 233

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; **172:** 811

osteosarcoma with isolated metastases to the pleura, Shanley DJ; Mulligan ME, Pediatr Radiol 1991; **21:** 226

preoperative evaluation of osteosarcoma: value of gadopentetate dimeglumine-enhanced MR imaging, Seeger LL; Widoff BE; Bassett LW; et al, AJR 1991; **157:** 347

primary osteosarcoma of the uterus, Caputo MG; Reuter KL; Reale F, Br J Radiol 1990; **63:** 578

radiotherapy prior to cortical allograft limb sparing in dogs with osteosarcoma: a dose response assay, Thrall DE; Withrow SJ; Powers BE; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1351

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

role of angiography in limb-tumor surgery, Mitty HA; Hermann G; Abdelwahab IF; Weingarten EP; Bloom ND; Lewis MM, Radiographics 1991; **11:** 1029

role of radionuclides in the patient with osteogenic sarcoma, Brown ML, Semin Roentgenol 1989; **24:** 185

scintigraphic detection of ossific mediastinal and pulmonary metastases in osteosarcoma, Brady AP; Ennis JT, Br J Radiol 1990; **63:** 978

scintigraphic evaluation of tumor regression during preoperative chemotherapy of osteosarcoma: correlation of ^{99m}Tc-methylene diphosphonate parametric imaging with surgical histopathology, Knop J; Delling G; Heise U; et al, Skeletal Radiol 1990; **19:** 165

two unusual cases of metastatic osteosarcoma detected by Tc-99m MDP bone scintigraphy, Heinle A; Carrasquillo JA; Neumann RD, Clin Nucl Med 1989; **14:** 889

value of MR imaging in monitoring the effect of chemotherapy on bone sarcomas, Holscher HC; Bloem JL; Nooy MA; et al, AJR 1990; **154:** 763

Osteosclerosis

See Bones, sclerosis

Otitis media

See Ear, inflammation and infection

Ovary

ovarian conservation at hysterectomy: a potential diagnostic pitfall, Reed DH; Dixon AK; Williams MV, Clin Radiol 1989; **40:** 274

ovarian volumes measured by US: bigger than we think, Cohen HL; Tice HM; Mandel FS, Radiology 1990; **177:** 189

surgical transposition of the ovaries: imaging findings in 14 patients, Kier R; Chambers SK, AJR 1989; **153:** 1003

Ovary, abnormalities

ectopic ovaries associated with absent uterus and pelvic kidney: CT findings, Reed DH; Dixon AK; Braude PR, JCAT 1990; **14:** 157

ovarian torsion and amputation resulting in partially calcified, pedunculated cystic mass, Currarino G; Rutledge JC, Pediatr Radiol 1989; **19:** 395

surgical lateral ovarian transposition: CT appearance, Newbold R; Safrit H; Cooper C, AJR 1990; **154:** 119

torsion of normal uterine adnexa before Menarche: CT appearance, Bellah RD; Griscom NT, AJR 1989; **152:** 123

Ovary, abscess

computed tomography of tuboovarian abscesses, Wilbur A, JCAT 1990; **14:** 625

CT findings in tuboovarian abscess, Ellis JH; Francis IR; Rhodes M; et al, JCAT 1991; **15:** 589

imaging of pediatric ovarian masses, Surratt JT; Siegel MJ, Radiographics 1991; **11:** 533

Ovary, CT

applications of computed tomography in gynecologic diseases, Ascher SM; Silverman PM, Urol Radiol 1991; **13:** 16

computed tomography of tuboovarian abscesses, Wilbur A, JCAT 1990; **14:** 625

cystic teratoma of the ovary: CT detection, Buy J-N; Ghossain MA; Moss AA; Bazot M; Doucet M; Hugol D; Truc JB; Poitout P; Ecoiffier J, Radiology 1989; **171:** 697

epithelial tumors of the ovary: comparison of MR and CT findings, Ghossain MA; Buy J-N; Lignères C; Bazot M; Hassen K; Malbec L; Hugol D; Truc JB; Decroix Y; Poitout P; Vadrot D, Radiology 1991; **181:** 863

epithelial tumors of the ovary: CT findings and correlation with US, Buy J-N; Ghossain MA; Sciot C; Bazot M; Guinet C; Prévot S; Hugol D; Laromiguiere M; Truc JB; Poitout P; Vadrot D; Ecoiffier J, Radiology 1991; **178:** 811

from the archives of the AFIP: malignant germ cell tumors of the ovary: radiologic-pathologic correlation, Brammer HM III; Buck JL; Hayes WS; Sheth S; Tavassoli FA, Radiographics 1990; **10:** 715

Meigs syndrome and ovarian fibroma: CT findings, Bierman SM; Reuter KL; Hunter RE, JCAT 1990; **14:** 833

retroconversion of immature teratoma of the ovary: CT appearances, Moskovic E; Jobling T; Fisher C; et al, Clin Radiol 1991; **43:** 402

struma ovarii: CT and MR findings, Matsumoto F; Yoshioka H; Hamada T; et al, JCAT 1990; **14:** 310

surgical lateral ovarian transposition: CT appearance, Newbold R; Safrit H; Cooper C, AJR 1990; **154:** 119

surgical transposition of the ovary: radiologic appearance, Bashist B; Friedman WN; Killackey MA, Radiology 1989; **173:** 857

torsion of normal uterine adnexa before Menarche: CT appearance, Bellah RD; Griscom NT, AJR 1989; **152:** 123

Ovary, cysts

antenatal diagnosis of ovarian cysts: natural history and therapeutic implications, Garel L; Filiatrault D; Brandt M; et al, Pediatr Radiol 1991; **21:** 182

characteristic fat-fluid level at ultrasonography of ovarian dermoid cyst, Øwre A; Pedersen JF, Acta Radiol 1991; **32:** 317

cystic teratoma of the ovary: CT detection, Buy J-N; Ghossain MA; Moss AA; Bazot M; Doucet M; Hugol D; Truc JB; Poitout P; Ecoiffier J, Radiology 1989; **171:** 697

endometrial cysts: diagnosis with MR imaging, Togashi K; Nishimura K; Kimura I; Tsuda Y; Yamashita K; Shibata T; Nakano Y; Konishi J; Konishi I; Mori T, Radiology 1991; **180:** 73

entrapped ovarian cyst: an unusual case of persistent abdominal pain, Hederström E; Forsberg L, Acta Radiol 1990; **31:** 285

epithelial tumors of the ovary: comparison of MR and CT findings, Ghossain MA; Buy J-N; Lignères C; Bazot M; Hassen K; Malbec L; Hugol D; Truc JB; Decroix Y; Poitout P; Vadrot D, Radiology 1991; **181:** 863

epithelial tumors of the ovary: CT findings and correlation with US, Buy J-N; Ghossain MA; Sciot C; Bazot M; Guinet C; Prévot S; Hugol D; Laromiguiere M; Truc JB; Poitout P; Vadrot D; Ecoiffier J, Radiology 1991; **178:** 811

imaging of pediatric ovarian masses, Surratt JT; Siegel MJ, Radiographics 1991; **11:** 533

induced fluid movement within a giant ovarian cyst demonstrated by echo-planar imaging, Worthington BS; Chapman B; Ordidge R; et al, Br J Radiol 1989; **62:** 1091

nabothian cysts stimulating an adnexal mass, Janus C; Wagner L, Clin Imag 1989; **13:** 157

natural history of theca lutein cysts, (ab), Montz FJ; Schlaerth JB; Morrow CP, Radiology 1989; **170:** 290

neonatal ovarian cysts: therapeutic dilemma, (ab), Widdowson DJ; Pilling DW; Cook RCM, Radiology 1989; **170:** 590

ovarian lesions: detection and characterization with gadolinium-enhanced MR imaging at 1.5 T, Stevens SK; Hricak H; Stern JL, Radiology 1991; **181:** 481

pelvic masses in pregnancy: MR imaging, Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE, Radiology 1990; **176:** 709

percutaneous aspiration of the persistent cystic mass of pregnancy: an alternative to surgical removal, Worthen NJ; Gunning J; Miller J, JCU 1990; **18:** 117

postmenopausal cystic adnexal mass: the potential role of ultrasound in conservative management, (ab), Goldstein SR; Subramanyam B; Snyder JR; et al, Radiology 1989; **172:** 587

prevalence of simple adnexal cysts in postmenopausal women, Wolf SI; Gosink BB; Feldesman MR; Lin MC; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 65

surgical transposition of the ovary: radiologic appearance, Bashist B; Friedman WN; Killackey MA, Radiology 1989; **173:** 857

transvaginal sonography of postmenopausal ovaries with pathologic correlation, Fleischer AC; McKee MS; Gordon AN; et al, J Ultrasound Med 1990; **9:** 637

ultrasound guided fine needle aspiration of ovarian cysts: diagnosis and treatment in pregnant and non-pregnant women, Khaw KT; Walker WJ, Clin Radiol 1990; **41:** 105

ultrasound-guided puncture of cystic tumors in the lower pelvis of young women, Granberg S; Crona N; Enk L; et al, JCU 1989; **17:** 107

Ovary, MR

endometrial cysts: diagnosis with MR imaging, Togashi K; Nishimura K; Kimura I; Tsuda Y; Yamashita K; Shibata T; Nakano Y; Konishi J; Konishi I; Mori T, Radiology 1991; **180:** 73

epithelial tumors of the ovary: comparison of MR and CT findings, Ghossain MA; Buy J-N; Lignères C; Bazot M; Hassen K; Malbec L; Hugol D; Truc JB; Decroix Y; Poitout P; Vadrot D, Radiology 1991; **181:** 863

gadolinium-DOTA enhanced MR imaging of adnexal tumors, Thurnher S; Hodler J; Baer S; et al, JCAT 1990; **14:** 939

magnetic resonance imaging of adult ovarian granulosa cell tumor: case report, Varma DGK; Thorneycroft IH; Degefu S; et al, Clin Imag 1990; **14:** 55

ovarian lesions: detection and characterization with gadolinium-enhanced MR imaging at 1.5 T, Stevens SK; Hricak H; Stern JL, Radiology 1991; **181:** 481

pelvic endometriosis: MR imaging, Arrivé L; Hricak H; Martin MC, Radiology 1989; **171:** 687

struma ovarii: CT and MR findings, Matsumoto F; Yoshioka H; Hamada T; et al, JCAT 1990; **14:** 310

Ovary, neoplasms

abdominal metastases of an ovarian cancer demonstrated on bone imaging, Ranner G; Ebner F; Fueger GF; et al, Clin Nucl Med 1989; **14:** 124

abdominopelvic irradiation for persistent advanced ovarian carcinoma, Stephenson JA; Buchler DA, Int J Radiat Oncol Biol Phys 1989; **17:** 385

applications of computed tomography in gynecologic diseases, Ascher SM; Silverman PM, Urol Radiol 1991; **13:** 16

CA 125 assay used in conjunction with CA 15-3 and TAG-72 assays for discrimination between malignant and non-malignant diseases of the ovary, Einhorn N; Knapp RC; Bast RC; et al, Acta Oncol 1989; **28:** 655

characteristic ultrasonographic appearance of the Krukenberg tumor, Shimizu H; Yamasaki M; Ohama K; et al, JCU 1990; **18:** 697

circulating levels of CSF-1 (M-CSF) a lymphohematopoietic cytokine may be a useful marker of disease status in patients with malignant ovarian neoplasms, Kacinski BM; Stanley ER; Carter D; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 159

classification of ovarian lesions by high-frequency transvaginal sonography, Rottem S; Levit N; Thaler I; et al, JCU 1990; **18:** 359

comparative study of proportion of S-phase cells in ascites and pleural effusions in ovarian carcinoma using antibromodeoxyuridine monoclonal antibody and DNA flow-cytometry, Sahni K; Tribukait B; Einhorn N, Acta Oncol 1989; **28:** 705

comparison of endovaginal ultrasound and cytological evaluation of cystic ovarian tumors, Granberg S; Norström A; Wikland M, J Ultrasound Med 1991; **10:** 9

comparison of the toxicity and efficacy of cisplatin and carboplatin in advanced ovarian cancer, Adams M; Kerby IJ; Rocker I; et al, Acta Oncol 1989; **28:** 57

concentration of Tc-99m MDP in ovarian carcinoma and its soft tissue metastases, Beres RA; Patel N; Krasnow AZ; et al, Clin Nucl Med 1991; **16:** 550

CT and MR imaging of cystic ovarian teratoma with intracystic fat balls, Muramatsu Y; Moriyama N; Takayasu K; et al, JCAT 1991; **15:** 528

CT demonstration of peritoneal metastases after intraperitoneal injection of contrast media, Giunta S; Tipaldi L; Diotellevi F; et al, Clin Imag 1990; **14:** 31

delayed split whole abdominal irradiation in the combined modality treatment of ovarian cancer, Calkins AR; Rosenshein NB; Fox MG; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 661

development of ploidy and cell proliferation in serial samples of ascites from patients with ovarian carcinoma, Sahni K; Tribukait B; Einhorn N, Acta Oncol 1990; **29:** 193

epithelial tumors of the ovary: comparison of MR and CT findings, Ghossain MA; Buy J-N; Lignères C; Bazot M; Hassen K; Malbec L; Hugol D; Truc JB; Decroix Y; Poitout P; Vadrot D, Radiology 1991; **181:** 863

epithelial tumors of the ovary: CT findings and correlation with US, Buy J-N; Ghossain MA; Sciot C; Bazot M; Guinet C; Prévot S; Hugol D; Laromiguiere M; Truc JB; Poitout P; Vadrot D; Ecoiffier J, Radiology 1991; **178:** 811

evaluation of adnexal masses with transvaginal color ultrasound, Kurjak A; Zalud I; Alfirevic Z, J Ultrasound Med 1991; **10:** 295

evaluation of the role of second-look surgery in ovarian cancer, (ab), Chambers SK; Chambers JT; Kohorn EI; et al, Radiology 1989; **170:** 290

from the archives of the AFIP: malignant germ cell tumors of the ovary: radiologic-pathologic correlation, Brammer HM III; Buck JL; Hayes WS; Sheth S; Tavassoli FA, Radiographics 1990; **10:** 715

gadolinium-DOTA enhanced MR imaging of adnexal tumors, Thurnher S; Hodler J; Baer S; et al, JCAT 1990; **14:** 939

gastrin-producing ovarian mucinous cystadenomas: a cause of the Zollinger-Ellison syndrome, (ab), Primrose JN; Maloney M; Wells M; et al, Radiology 1989; **172:** 292

gynecologic cancer in patients with subacute cerebellar degeneration predicted by anti-Purkinje cell antibodies and limited in metastatic volume, (ab), Hetzel DJ; Stanhope CR; O'Neill BP; et al, Radiology 1991; **180:** 589

hair as a sonographic marker of ovarian teratomas: improved identification using transvaginal sonography and simulation model, Bronshtein M; Yoffe N; Brandes JM; et al, JCU 1991; **19:** 351

imaging of pediatric ovarian masses, Surratt JT; Siegel MJ, Radiographics 1991; **11:** 533

immunoscintigraphy of ovarian cancer with indium-111-labeled OV-TL 3 $F(ab')_2$ monoclonal antibody, Massuger LFAG; Kenemans P; Claessens RAMJ; et al, J Nucl Med 1990; **31:** 1802

internal iliac artery: embolization to control hemorrhage from pelvic neoplasms, Pisco JM; Martins JM; Correia MG, Radiology 1989; **172:** 337

intraperitoneal radioactive phosphate in early ovarian carcinoma: an analysis of complications, Walton LA; Yadusky A; Rubinstein L, Int J Radiat Oncol Biol Phys 1991; **20:** 939

intraperitoneal radioimmunotherapy for ovarian cancer: pharmacokinetics, toxicity, and efficacy of I-131 labeled monoclonal antibodies, Stewart JSW; Hird V; Snook D; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 405

intrasplenic metastases from carcinoma of the ovary, Carrington BM; Thomas NB; Johnson RJ, Clin Radiol 1990; **41:** 418

^{131}I ovarian uptake in a whole-body scan for thyroid carcinoma, Zwas ST; Heyman Z; Lieberman LM, Semin Nucl Med 1989; **19:** 340

magnetic resonance imaging of adult ovarian granulosa cell tumor: case report, Varma DGK; Thorneycroft IH; Degefu S; et al, Clin Imag 1990; **14:** 55

malignant struma ovarii: presentation and management, O'Connell MEA; Fisher C; Harmer CL, Br J Radiol 1990; **63:** 360

Meigs syndrome and ovarian fibroma: CT findings, Bierman SM; Reuter KL; Hunter RE, JCAT 1990; **14:** 833

metastatic malignant struma ovarii presenting as paraparesis from a spinal metastasis, McDougall IR; Krasne D; Hanbery JW; et al, J Nucl Med 1989; **30:** 407

mixed mesodermal tumors of the ovary: a clinicopathologic study of 14 cases, (ab), Dinh TV; Slavin RE; Bhagavan BS; et al, Radiology 1989; **170:** 290

monoclonal antibodies reactive with human breast or ovarian carcinoma: in vivo applications, Thor AD; Edgerton SM, Semin Nucl Med 1989; **19:** 295

mucinous cystadenoma simulating renal transplant lymphocele, Kliewer MA; Woodruff WW III; Bowie JD, JCU 1989; **17:** 119

mucinous tumors of the appendix associated with mucinous tumors of the ovary and pseudomyxoma peritonei: a clinicopathological analysis of 22 cases supporting an origin in the appendix, (ab), Young RH; Gilks CB; Scully RE, Radiology 1991; **181:** 296

optimal coverage of peritoneal surface in whole abdominal radiation for ovarian neoplasms, LaRouere J; Perez-Tamayo C; Fraass B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 607

ovarian granulosa-stromal cell tumors are characterized by trisomy 12, (ab), Fletcher JA; Gibas Z; Donovan K; et al, Radiology 1991; **181:** 293

ovarian lesions: detection and characterization with gadolinium-enhanced MR imaging at 1.5 T, Stevens SK; Hricak H; Stern JL, Radiology 1991; **181:** 481

ovarian teratomas: a comparison of the sonographic appearance in prepubertal and postpubertal girls, Sisler CL; Siegel MJ, AJR 1990; **154:** 139

pelvic masses in pregnancy: MR imaging, Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE, Radiology 1990; **176:** 709

phase II trial of mitozolomide in patients with advanced ovarian cancer: a study of the EORTC Gynecological Cancer Cooperative Group, Neijt JP; van der Burg MEL; Guastalla JP; et al, Acta Oncol 1989; **28:** 663

preoperative measurement of cancer antigen 125 (CA 125) in the differential diagnosis of ovarian tumors, Mogensen O; Mogensen B; Jakobsen A; et al, Acta Oncol 1989; **28:** 471

primary adjuvant whole abdominal irradiation in ovarian carcinoma, Lindner H; Willich H; Atzinger A, Int J Radiat Oncol Biol Phys 1990; **19:** 1203

radioimmunoscintigraphy of orbital metastases from ovarian carcinoma, Bomanji J; Glaholm J; Hungerford JL; et al, Clin Nucl Med 1990; **15:** 825

rectosigmoid obstruction caused by ovarian cancer, Taal BG; Steinmetz R; den Hartog Jager FCA, Clin Radiol 1990; **41:** 170

retroconversion of immature teratoma of the ovary: CT appearances, Moskovic E; Jobling T; Fisher C; et al, Clin Radiol 1991; **43:** 402

role of ultrasound in the management of ovarian masses in children, Thind CR; Carty HML; Pilling DW, Clin Radiol 1989; **40:** 180

sigmoid colon fistula complicating ovarian cystadenocarcinoma: a rare finding, Honda H; Lu CH; Barloon TJ; et al, Gastrointest Radiol 1990; **15:** 78

staging and treatment of ovarian carcinoma, De Palo G, Acta Oncol 1989; **28:** 163

struma ovarii: CT and MR findings, Matsumoto F; Yoshioka H; Hamada T; et al, JCAT 1990; **14:** 310

toxicity of open-field whole abdominal irradiation as primary postoperative treatment in gynecologic malignancy, Schray MF; Martinez A; Howes AE, Int J Radiat Oncol Biol Phys 1989; **16:** 397

transvaginal sonography as a screening method for ovarian cancer: a report of the first 1,000 cases screened, (ab), van Nagell JR Jr; Higgins RV; Donaldson ES; et al, Radiology 1990; **176:** 591

transvaginal sonography of postmenopausal ovaries with pathologic correlation, Fleischer AC; McKee MS; Gordon AN; et al, J Ultrasound Med 1990; **9:** 637

ultrasound examination in ovarian cancer patients: a comparison with second look laparotomy, Murolo C; Costantini S; Foglia G; et al, J Ultrasound Med 1989; **8:** 441

whole abdominal irradiation following chemotherapy in patients with minimal residual disease after second look surgery in ovarian carcinoma, Haie C; Pejovic-Lenfant MH; George M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 15

Ovary, radionuclide studies

concentration of Tc-99m MDP in ovarian carcinoma and its soft tissue metastases, Beres RA; Patel N; Krasnow AZ; et al, Clin Nucl Med 1991; **16:** 550

immunoscintigraphy of ovarian cancer with indium-111-labeled OV-TL 3 $F(ab')_2$ monoclonal antibody, Massuger LFAG; Kenemans P; Claessens RAMJ; et al, J Nucl Med 1990; **31:** 1802

Ovary, therapeutic radiology

abdominopelvic irradiation for persistent advanced ovarian carcinoma, Stephenson JA; Buchler DA, Int J Radiat Oncol Biol Phys 1989; **17:** 385

intraperitoneal radioactive phosphate in early ovarian carcinoma: an analysis of complications, Walton LA; Yadusky A; Rubinstein L, Int J Radiat Oncol Biol Phys 1991; **20:** 939

ovarian ablation failures by radiation: a comparison of two dose schedules, Leung SF; Tsao SY; Teo PML; et al, Br J Radiol 1991; **64:** 537

ovarian failure following abdominal irradiation in childhood: the radiosensitivity of the human oocyte, Wallace WHB; Shalet SM; Hendry JH; et al, Br J Radiol 1989; **62:** 995

staging and treatment of ovarian carcinoma, De Palo G, Acta Oncol 1989; **28:** 163

Ovary, torsion

imaging of pediatric ovarian masses, Surratt JT; Siegel MJ, Radiographics 1991; **11:** 533

ovarian torsion: sonographic evaluation, Helvie MA; Silver TM, JCU 1989; **17:** 327

prenatal sonographic diagnosis and subsequent management of fetal adnexal torsion, Sherer DM; Shah YG; Eggers PC; et al, J Ultrasound Med 1990; **9:** 161

Ovary, US

abdominal ultrasonography versus transvaginal scanning: accuracy in follicular development evaluation and prediction for oocyte retrieval in stimulated cycles, Bonilla-Musoles F; Pardo G; Perez-Gil M; et al, JCU 1989; **17:** 469

characteristic fat-fluid level at ultrasonography of ovarian dermoid cyst, Øwre A; Pedersen JF, Acta Radiol 1991; **32:** 317

characteristic ultrasonographic appearance of the Krukenberg tumor, Shimizu H; Yamasaki M; Ohama K; et al, JCU 1990; **18:** 697

classification of ovarian lesions by high-frequency transvaginal sonography, Rottem S; Levit N; Thaler I; et al, JCU 1990; **18:** 359

comparison of endovaginal ultrasound and cytological evaluation of cystic ovarian tumors, Granberg S; Norström A; Wikland M, J Ultrasound Med 1991; **10:** 9

ectopic pregnancy: duplex Doppler evaluation, Taylor KJW; Ramos IM; Feyock AL; Snower DP; Carter D; Shapiro BS; Meyer WR; De Cherney AH, Radiology 1989; **173:** 93

endovaginal and transabdominal sonography of ovarian follicles, Andreotti RF; Thompson GH; Janowitz W; et al, J Ultrasound Med 1989; **8:** 555

epithelial tumors of the ovary: CT findings and correlation with US, Buy J-N; Ghossain MA; Sciot C; Bazot M; Guinet C; Prévot S; Hugol D; Laromiguiere M; Truc JB; Poitout P; Vadrot D; Ecoiffier J, Radiology 1991; **178:** 811

evaluation of adnexal masses with transvaginal color ultrasound, Kurjak A; Zalud I; Alfirevic Z, J Ultrasound Med 1991; **10:** 295

hair as a sonographic marker of ovarian teratomas: improved identification using transvaginal sonography and simulation model, Bronshtein M; Yoffe N; Brandes JM; et al, JCU 1991; **19:** 351

imaging of pediatric ovarian masses, Surratt JT; Siegel MJ, Radiographics 1991; **11:** 533

inability of sonography to detect imminent ovulation, Zandt-Stastny D; Thorsen MK; Middleton WD; et al, AJR 1989; **152:** 91

in situ exposimetry: the ovarian ultrasound examination, Siddiqi TA; O'Brien WD Jr; Meyer RA; et al, Ultrasound Med Biol 1991; **17:** 257

new applications of pelvic sonography, Fleischer AC, Urol Radiol 1991; **13:** 9

ovarian torsion: sonographic evaluation, Helvie MA; Silver TM, JCU 1989; **17:** 327

ovarian varicocele: ultrasonic and phlebographic evaluation, Giacchetto C; Cotroneo GB; Marincolo F; et al, JCU 1990; **18:** 551

ovarian volumes measured by US: bigger than we think, Cohen HL; Tice HM; Mandel FS, Radiology 1990; **177:** 189

prevalence of simple adnexal cysts in postmenopausal women, Wolf SI; Gosink BB; Feldesman MR; Lin MC; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 65

prospective comparison of transabdominal and transvaginal ultrasound with surgical findings in gynecologic disease, Andolf E; Jörgensen C, J Ultrasound Med 1990; **9:** 71

role of ultrasound in the management of ovarian masses in children, Thind CR; Carty HML; Pilling DW, Clin Radiol 1989; **40:** 180

sonographic definition of the empty follicle syndrome, Hilgers TW; Dvorak AD; Tamisiea DF; et al, J Ultrasound Med 1989; **8:** 411

transvaginal sonography of postmenopausal ovaries with pathologic correlation, Fleischer AC; McKee MS; Gordon AN; et al, J Ultrasound Med 1990; **9:** 637

transvaginal ultrasonically guided follicular aspiration: a comparative study with laparoscopically guided follicular aspiration, Gonen Y; Blanker J; Casper RF, JCU 1990; **18:** 257

ultrasonic morphology of the uterus and ovaries after treatment of invasive mole and gestational choriocarcinoma, Long MG; Boultbee JE; Begent RHJ; et al, Br J Radiol 1990; **63:** 942

ultrasound case of the day: annual meeting, 1988, Segal S; Feld R; Kurtz AB, Radiographics 1989; **9:** 959

ultrasound examination in ovarian cancer patients: a comparison with second look laparotomy, Murolo C; Costantini S; Foglia G; et al, J Ultrasound Med 1989; **8:** 441

Oxalosis

case report 599, Coral A; van Holsbeeck M; Hegg C, Skeletal Radiol 1990; **19:** 147

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

Oxygen

estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T, Wright GA; Hu BS; Macovski A, JMRI 1991; **1:** 275

measurements of pertinent concentrations of oxygen *in vivo*, Swartz HM; Boyer S; Gast P; et al, Magn Res Med 1991; **20:** 333

oxygen free radical involvement in urinary Tamm-Horsfall protein excretion after intrarenal injection of contrast medium, Bakris GL; Gaber AO; Jones JD, Radiology 1990; **175:** 57

tumor tissue oxygenation as evaluated by computerized-pO_2-histography, Kallinowski F; Zander R; Hoeckel M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 953

P

Pacemakers
See Heart, pacemakers

PACS
See Picture archiving and communication system (PACS)

Paget disease
See Osteitis deformans

Palate

non-Hodgkin's lymphoma of the nasopharynx, paranasal sinus and palate, Makepeace AR; Fermont DC; Bennett MH, Clin Radiol 1989; **40:** 144

Palate, cleft

prenatal diagnosis of the ectrodactyly, ectodermal dysplasia, cleft palate (EEC) syndrome, Köhler R; Sousa P; Jorge CS, J Ultrasound Med 1989; **8:** 337

Panbronchiolitis
See Bronchiolitis

Pancreas

pancreastatin—a novel regulatory peptide?, Schmidt WE; Creutzfeldt W, Acta Oncol 1991; **30:** 441

Pancreas, abnormalities

air in the main pancreatic duct: demonstration with US, Costa PL; Righetti G, Radiology 1991; **181:** 801

case of gastric duplication cyst with aberrant pancreas, Ueda D; Taketazu M; Itoh S; et al, Pediatr Radiol 1991; **21:** 379

CT appearance of annular pancreas: a case report, Nguyen KT; Pace R; Groll A, J Canad Assoc Radiol 1989; **40:** 322

enlargement of the pancreatic head in patients with pancreas divisum, Soulen MC; Zerhouni EA; Fishman EK; et al, Clin Imag 1989; **13:** 51

pancreatic pseudotumor in pancreas divisum: CT characteristics, Silverman PM; McVay L; Zeman RK; et al, JCAT 1989; **13:** 140

polysplenia syndrome with congenital short pancreas, Herman TE; Siegel MJ, AJR 1991; **156:** 799

short pancreas in polysplenia syndrome, Hadar H; Gadoth N; Herskovitz P; et al, Acta Radiol 1991; **32:** 299

Pancreas, abscess

comprehensive management of acute necrotizing pancreatitis and pancreatic abscess, (ab), Stanten R; Frey CF, JVIR 1991; **2:** 295

CT appearance in tuberculous pancreatic abscess, Cho KC; Lucak SL; Delany HM; et al, JCAT 1990; **14:** 152

percutaneous transgastric drainage of the lesser sac in children, Amundson GM; Towbin RB; Mueller DL; et al, Pediatr Radiol 1990; **20:** 590

percutaneous treatment (including pseudocystogastrostomy) of 74 pancreatic pseudocysts, Grosso M; Gandini G; Cassinis MC; Regge D; Righi D; Rossi P, Radiology 1989; **173:** 493

Pancreas, angiography

angiography of segmental pancreatic transplants, Berger H; Illner W-D; Abendroth D; et al, Eur J Radiol 1989; **9:** 169

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

dilated posterior superior pancreaticoduodenal vein: recognition with CT and clinical significance in patients with pancreaticobiliary carcinomas, Mori H; Miyake H; Aikawa H; Monzen Y; Maeda T; Suzuki K; Matsumoto S; Wakisaka M, Radiology 1991; **181:** 793

gastrinomas: localization by means of selective intraarterial injection of secretin, Doppman JL; Miller DL; Chang R; Maton PN; London JF; Gardner JD; Jensen RT; Norton JA, Radiology 1990; **174:** 25

intraarterial secretin injection for gastrinoma localization, Williams DM, Radiology 1990; **174:** 9

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

ultrasound compared with computed tomography and pancreatic arteriography in the detection of endocrine tumours of the pancreas, Päivänsalo M; Mäkäräinen H; Siniluoto T; et al, Eur J Radiol 1989; **9:** 173

Pancreas, biopsy

automated biopsy devices: significance and safety, Bernardino ME, Radiology 1990; **176:** 615

biopsy of the pancreas with a biopsy gun, Elvin A; Andersson T; Scheibenpflug L; Lindgren PG, Radiology 1990; **176:** 677

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

how accurate is fine-needle biopsy in malignant neoplasia of the pancreas?, (ab), Parsons L Jr; Palmer CH, Radiology 1989; **173:** 586

pancreatic cancer versus chronic pancreatitis: diagnosis with CA 19-9 assessment, US, CT, and CT-guided fine-needle biopsy, DelMaschio A; Vanzulli A; Sironi S; Castrucci M; Mellone R; Staudacher C; Carlucci M; Zerbi A; Parolini D; Faravelli A; Cantaboni A; Garancini P; Di Carlo V, Radiology 1991; **178:** 95

pancreatic transplants: CT-guided biopsy, Bernardino M; Fernandez M; Neylan J; Hertzler G; Whelchel J; Olson R, Radiology 1990; **177:** 709

percutaneous biopsy of pancreatic lesions, Neuerburg JM; Günther RW, Cardiovasc Intervent Radiol 1991; **14:** 43

percutaneous fine-needle aspiration biopsy of the pancreas resulting in death, Levin DP; Bret PM, Gastrointest Radiol 1991; **16:** 67

Pancreas, calcification

biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Huntington DK; Hill MC; Steinberg W, Radiology 1989; **172:** 47

chronic pancreatitis: reassessment with current CT, Luetmer PH; Stephens DH; Ward EM, Radiology 1989; **171:** 353

gallstone pancreatitis: a prospective randomized trial of the timing of surgery, (ab), Kelly TR; Wagner DS, Radiology 1989; **171:** 585

Pancreas, CT

acinar cell carcinoma of the pancreas: ultrasonography and computed tomography findings, Lim JH; Chung KB; Cho OK; et al, Clin Imag 1990; **14:** 301

acute pancreatitis: value of CT in establishing prognosis, Balthazar EJ; Robinson DL; Megibow AJ; Ranson JHC, Radiology 1990; **174:** 331

biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Huntington DK; Hill MC; Steinberg W, Radiology 1989; **172:** 47

chronic pancreatitis: reassessment with current CT, Luetmer PH; Stephens DH; Ward EM, Radiology 1989; **171:** 353

complications of endoscopic retrograde sphincterotomy: computed tomographic evaluation, Kuhlman JE; Fishman EK; Milligan FD; et al, Gastrointest Radiol 1989; **14:** 127

computed tomography after modified Whipple procedure with pancreatic duct occlusion, Abildgaard A; Kolmannskog F; Mathisen Ø; et al, Acta Radiol 1990; **31:** 579

computed tomography and histologic appearance of pancreatic metastases from distant sources, Muranaka T; Teshima K; Honda H; et al, Acta Radiol 1989; **30:** 615

computed tomography findings in pancreas divisum, Lindström E; Ihse I, Acta Radiol 1989; **30:** 609

computed tomography of unusual calcified pancreatic tumors, Hertzanu Y; Bar-Ziv J; Freund U, JCAT 1989; **13:** 75

contribution of ultrasonography and computed tomography in the diagnosis of nonfunctioning islet cell tumors of the pancreas, Fugazzola C; Procacci C; Andreis IAB; et al, Gastrointest Radiol 1990; **15:** 139

CT and MR imaging of advanced Zollinger-Ellison syndrome, Tjon A Tham RTO; Falke THM; Jansen JBMJ; et al, JCAT 1989; **13:** 821

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

CT appearance in tuberculous pancreatic abscess, Cho KC; Lucak SL; Delany HM; et al, JCAT 1990; **14:** 152

CT appearance of annular pancreas: a case report, Nguyen KT; Pace R; Groll A, J Canad Assoc Radiol 1989; **40:** 322

CT detection of asymptomatic pancreatitis following ERCP, Thoeni RF; Fell SC; Goldberg HI, Gastrointest Radiol 1990; **15:** 291

CT diagnosis and staging of acute pancreatitis, Balthazar EJ, Radiol Clin North Am 1989; **27:** 19

CT of acute pancreatitis: correlation between lack of contrast enhancement and pancreatic necrosis, Johnson CD; Stephens DH; Sarr MG, AJR 1991; **156:** 93

CT of the pancreas in children, Herman TE; Siegel MJ, AJR 1991; **157:** 375

cystic fibrosis: MR imaging of the pancreas, Tjon A Tham RTO; Heyerman HGM; Falke THM; Zwinderman AH; Bloem JL; Bakker W; Lamers CBHW, Radiology 1991; **179:** 183

cystic neoplasms of the pancreas: comparison of MR imaging with CT, Minami M; Itai Y; Ohtomo K; Yoshida H; Yoshikawa K; Iio M, Radiology 1989; **171:** 53

cystic tumors of the pancreas: evaluation by ultrasonography and computed tomography, Fugazzola C; Procacci C; Andreis IAB; et al, Gastrointest Radiol 1991; **16:** 53

demonstration on computed tomography of two pseudoaneurysms complicating chronic pancreatitis, Pantongrag-Brown L; Suwanwela N; Arjhansiri K; et al, Br J Radiol 1991; **64:** 754

differentiating pancreatic pseudocyst and pancreatic necrosis using computerized tomography, (ab), Mainwaring R; Kern J; Schenk WG; et al, Radiology 1990; **174:** 289

dilated posterior superior pancreaticoduodenal vein: recognition with CT and clinical significance in patients with pancreaticobiliary carcinomas, Mori H; Miyake H; Aikawa H; Monzen Y; Maeda T; Suzuki K; Matsumoto S; Wakisaka M, Radiology 1991; **181:** 793

from the archives of the AFIP: microcystic adenoma of the pancreas, Buck JL; Hayes WS, Radiographics 1990; **10:** 313

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

imaging of pancreatic neoplasms: comparison of MR and CT, Steiner E; Stark DD; Hahn PF; et al, AJR 1989; **152:** 487

innocuous gas collections in pancreatic allografts demonstrated by computed tomography, Vas WG; Patel B; Mahanta B; et al, Gastrointest Radiol 1989; **14:** 118

low-density insulinoma on dynamic CT, Smith TR; Koenigsberg M, AJR 1990; **155:** 995

low-field (0.08 T) magnetic resonance imaging of the pancreas: comparison with computed tomography and ultrasound, Smith FW; Bayliss AP; Hussey JK; et al, Br J Radiol 1989; **62:** 796

morphologic changes in the body of the pancreas secondary to a mass in the pancreatic head: analysis by CT, Muranaka T, Acta Radiol 1990; **31:** 483

MR, CT, and ultrasound findings of metastatic vipoma in pancreas, Tjon A Tham RTO; Jansen JBMJ; Falke THM; et al, JCAT 1989; **13:** 142

natural history of pancreatic pseudocysts documented by computed tomography, (ab), Yeo CJ; Bastidas JA; Lynch-Nyhan A; et al, Radiology 1990; **177:** 889

obliteration of periarterial retropancreatic fat on CT in pancreatitis: an exception to the rule, Luetmer PH; Stephens DH; Fischer AP, AJR 1989; **153:** 63

obliteration of the fat surrounding the celiac axis and superior mesenteric artery is not a specific CT finding of carcinoma of the pancreas, Baker ME; Cohan RH; Nadel SN; et al, AJR 1990; **155:** 991

pancreatic cancer versus chronic pancreatitis: diagnosis with CA 19-9 assessment, US, CT, and CT-guided fine-needle biopsy, DelMaschio A; Vanzulli A; Sironi S; Castrucci M; Mellone R; Staudacher C; Carlucci M; Zerbi A; Parolini D; Faravelli A; Cantaboni A; Garancini P; Di Carlo V, Radiology 1991; **178:** 95

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

pancreatic plasmacytoma: CT findings, Wilson TE; Korobkin M; Francis IR, AJR 1989; **152:** 1227

pancreatic pseudotumor in pancreas divisum: CT characteristics, Silverman PM; McVay L; Zeman RK; et al, JCAT 1989; **13:** 140

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

pancreatic transplants: CT-guided biopsy, Bernardino M; Fernandez M; Neylan J; Hertzler G; Whelchel J; Olson R, Radiology 1990; **177:** 709

pancreatic transplants: CT with clinical and pathologic correlation, Moulton JS; Munda R; Weiss MA; Lubbers DJ, Radiology 1989; **172:** 21

papillary cystic tumour of the pancreas: findings at computed tomography and ultrasound, Phillips GWL; Chou ST; Mulhauser J, Br J Radiol 1991; **64:** 367

percutaneous drainage of infected and noninfected pancreatic pseudocysts: experience in 101 cases, vanSonnenberg E; Wittich GR; Casola G; Brannigan TC; Karnel F; Stabile BE; Varney RR; Christensen RR, Radiology 1989; **170:** 757

preoperative localization of endocrine pancreatic tumours by intra-arterial dynamic computed tomography, Ahlström H; Magnusson A; Grama D; et al, Acta Radiol 1990; **31:** 171

serial computed tomography scanning in acute pancreatitis: a prospective study, (ab), London NJM; Neoptolemos JP; Lavelle J; et al, Radiology 1989; **172:** 882

subcutaneous soft tissue densities: a computed tomography indicator of severe pancreatitis, Ghiatas AA; Nguyen VD; Perusek M, Gastrointest Radiol 1990; **15:** 17

traumatic fracture of the pancreas: CT characteristics, Dodds WJ; Taylor AJ; Erickson SJ; et al, JCAT 1990; **14:** 375

ultrasound compared with computed tomography and pancreatic arteriography in the detection of endocrine tumours of the pancreas, Päivänsalo M; Mäkäräinen H; Siniluoto T; et al, Eur J Radiol 1989; **9:** 173

Pancreas, cysts

cystic neoplasms of the pancreas: comparison of MR imaging with CT, Minami M; Itai Y; Ohtomo K; Yoshida H; Yoshikawa K; Iio M, Radiology 1989; **171:** 53

cystic tumors of the pancreas: new clinical, radiologic, and pathologic observations in 67 patients, (ab), Warshaw AL; Compton CC; Lewandrowski K; et al, Radiology 1991; **179:** 291

mucinous pancreatic duct ectasia in the body of the pancreas, Agostini S; Choux R; Payan M-J; Sastre B; Sahel J; Clement JP, Radiology 1989; **170:** 815

percutaneous drainage of infected and noninfected pancreatic pseudocysts: experience in 101 cases, vanSonnenberg E; Wittich GR; Casola G; Brannigan TC; Karnel F; Stabile BE; Varney RR; Christensen RR, Radiology 1989; **170:** 757

percutaneous transgastric drainage of the lesser sac in children, Amundson GM; Towbin RB; Mueller DL; et al, Pediatr Radiol 1990; **20:** 590

percutaneous treatment (including pseudocystogastrostomy) of 74 pancreatic pseudocysts, Grosso M; Gandini G; Cassinis MC; Regge D; Righi D; Rossi P, Radiology 1989; **173:** 493

sonographic detection of congenital pancreatic cysts in the newborn: report of a case and review of the literature, Baker LL; Hartman GE; Northway WH, Pediatr Radiol 1990; **20:** 488

ultrasonographic diagnosis of bleeding into a pancreatic pseudocyst, Ateş KB; Boyacioğlu S; Taş I; et al, Gastrointest Radiol 1991; **16:** 178

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

Pancreas, diseases

clonorchiasis of the pancreas, Lim JH; Ko YT, Clin Radiol 1990; **41:** 195

comparative dual-tracer studies of carbon-14 tryptophan and iodine-131 HIPDM in animal models of pancreatic diseases, Kubota K; Som P; Brill AB; et al, J Nucl Med 1989; **30:** 1848

cystic fibrosis: MR imaging of the pancreas, Tjon A Tham RTO; Heyerman HGM; Falke THM; Zwinderman AH; Bloem JL; Bakker W; Lamers CBHW, Radiology 1991; **179:** 183

general case of the day, Cordeau M-P; Prosmanne O; Robillard P, Radiographics 1990; **10:** 114

pancreatic venous samplings in infants and children with primary hyperinsulinism, Brunelle F; Negre V; Barth MO; et al, Pediatr Radiol 1989; **19:** 100

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders, Torres GM; Erquiaga E; Ros PR; Burton SS; Barreda R; Langmo LS; Kennedy SJ, Radiographics 1991; **11:** 785

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders: invited commentary, Mitchell DG, Radiographics 1991; **11:** 792

Pancreas, inflammation

See Pancreatitis

Pancreas, injuries

blunt pancreatic injuries in children: the role of percutaneous external drainage in the treatment of pancreatic pseudocysts, (ab), Bass J; Di Lorenzo M; Desjardins JG; et al, Radiology 1989; **171:** 296

percutaneous drainage of traumatic pancreatic pseudocysts in children, Jaffe RB; Arata JA Jr; Matlak ME, AJR 1989; **152:** 591

traumatic fracture of the pancreas: CT characteristics, Dodds WJ; Taylor AJ; Erickson SJ; et al, JCAT 1990; **14:** 375

Pancreas, insufficiency

chronic pancreatitis: reassessment with current CT, Luetmer PH; Stephens DH; Ward EM, Radiology 1989; **171:** 353

Pancreas, interventional procedure

complications of percutaneous abdominal fine-needle biopsy: review, Smith EH, Radiology 1991; **178:** 253

failure of percutaneous drainage in children with traumatic pancreatic pseudocysts, (ab), Rescorla FJ; Cory D; Vane DW; et al, JVIR 1991; **2:** 295

fluid collections developing after pancreatic transplantation: radiologic evaluation and intervention, Patel BK; Garvin PJ; Aridge DL; Chenoweth JL; Markivee CR, Radiology 1991; **181:** 215

imaging and interventional radiology for pancreatitis and its complications, vanSonnenberg E; Casola G; Varney RR; et al, Radiol Clin North Am 1989; **27:** 65

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

pancreatic pseudoaneurysm: monitoring the success of transcatheter embolization with duplex sonography, Lim GM; Jeffrey RB Jr; Tolentino CS, J Ultrasound Med 1989; **8:** 643

pancreatic pseudocyst in a gastrectomized patient: treatment with internalized endoprosthesis, Bilbao JI; Rodriguez-Cabello J; Longo JM; et al, Gastrointest Radiol 1991; **16:** 70

pancreatic response to percutaneous biliary drainage: a prospective study, Savader SJ; Venbrux AC; Robbins KV; Gittelsohn AM; Osterman FA Jr, Radiology 1991; **178:** 343

pancreatitis with pseudoaneurysm formation: a pitfall for the interventional radiologist, Lee MJ; Saini S; Geller SC; et al, AJR 1991; **156:** 97

percutaneous abscess drainage: current concepts, vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW, Radiology 1991; **181:** 617

percutaneous drainage of infected and noninfected pancreatic pseudocysts: experience in 101 cases, vanSonnenberg E; Wittich GR; Casola G; Brannigan TC; Karnel F; Stabile BE; Varney RR; Christensen RR, Radiology 1989; **170:** 757

percutaneous drainage of pancreatic pseudocysts: technique and problems, Fataar S, Australas Radiol 1990; **34:** 334

percutaneous drainage of traumatic pancreatic pseudocysts in children, Jaffe RB; Arata JA Jr; Matlak ME, AJR 1989; **152:** 591

percutaneous puncture and drainage of pancreatic pseudocysts: a retrospective study, Aurell Y; Forsberg L; Hederström E; et al, Acta Radiol 1990; **31:** 177

percutaneous transgastric drainage of the lesser sac in children, Amundson GM; Towbin RB; Mueller DL; et al, Pediatr Radiol 1990; **20:** 590

percutaneous treatment (including pseudocystogastrostomy) of 74 pancreatic pseudocysts, Grosso M; Gandini G; Cassinis MC; Regge D; Righi D; Rossi P, Radiology 1989; **173:** 493

psoas muscle pancreatic pseudocyst: CT—US diagnosis and percutaneous drainage, Alvarez-Castells A; Comet R; Alvarez-Moro J; et al, Gastrointest Radiol 1989; **14:** 229

successful treatment of pancreatic pseudocyst with a somatostatin analogue and catheter drainage, (ab), Morali GA; Braverman DZ; Shemesh D; et al, JVIR 1991; **2:** 418

Pancreas, MR

characterization of pancreatic adenocarcinoma by magnetic resonance imaging, Vellet AD, J Canad Assoc Radiol 1991; **42:** 180

CT and MR imaging of advanced Zollinger-Ellison syndrome, Tjon A Tham RTO; Falke THM; Jansen JBMJ; et al, JCAT 1989; **13:** 821

cystic fibrosis: MR imaging of the pancreas, Tjon A Tham RTO; Heyerman HGM; Falke THM; Zwinderman AH; Bloem JL; Bakker W; Lamers CBHW, Radiology 1991; **179:** 183

cystic neoplasms of the pancreas: comparison of MR imaging with CT, Minami M; Itai Y; Ohtomo K; Yoshida H; Yoshikawa K; Iio M, Radiology 1989; **171:** 53

diagnosis of pancreatic transplant dysfunction: value of gadopentetate dimeglumine-enhanced MR imaging, Fernandez MdP; Bernardino ME; Neylan JF; et al, AJR 1991; **156:** 1171

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

identification of a characteristic ^{31}P NMR signal in acute experimental pancreatitis with the aid of ^{1}H–^{31}P correlated 2D measurements of intact pancreas, Kushnir T; Kaplan O; Askenasy N; et al, Magn Res Med 1989; **10:** 119

imaging of pancreatic neoplasms: comparison of MR and CT, Steiner E; Stark DD; Hahn PF; et al, AJR 1989; **152:** 487

liver and pancreas: improved spin-echo T1 contrast by shorter echo time and fat suppression at 1.5 T, Mitchell DG; Vinitski S; Saponaro S; Tasciyan T; Burk DL Jr; Rifkin MD, Radiology 1991; **178:** 67

low-field (0.08 T) magnetic resonance imaging of the pancreas: comparison with computed tomography and ultrasound, Smith FW; Bayliss AP; Hussey JK; et al, Br J Radiol 1989; **62:** 796

magnetic resonance imaging of the pancreas with gadolinium-DTPA, Chezmar JL; Nelson RC; Small WC; et al, Gastrointest Radiol 1991; **16:** 139

MR, CT, and ultrasound findings of metastatic vipoma in pancreas, Tjon A Tham RTO; Jansen JBMJ; Falke THM; et al, JCAT 1989; **13:** 142

MR imaging of pancreas in cystic fibrosis, Murayama S; Robinson AE; Mulvihill DM; et al, Pediatr Radiol 1990; **20:** 536

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

pancreatic enhancement after low-dose infusion of Mn-DPDP, Gehl H-B; Vorwerk D; Klose K-C; Günther RW, Radiology 1991; **180:** 337

pancreatic transplants: evaluation with MR imaging, Yuh WTC; Hunsicker LG; Nghiem DD; Sato Y; Smith JL; Wright FH; Corry RJ, Radiology 1989; **170:** 171

pancreatoblastoma: MR appearance, Stephenson CA; Kletzel M; Seibert JJ; et al, JCAT 1990; **14:** 492

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders, Torres GM; Erquiaga E; Ros PR; Burton SS; Barreda R; Langmo LS; Kennedy SJ, Radiographics 1991; **11:** 785

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders: invited commentary, Mitchell DG, Radiographics 1991; **11:** 792

Pancreas, necrosis

acute pancreatitis: value of CT in establishing prognosis, Balthazar EJ; Robinson DL; Megibow AJ; Ranson JHC, Radiology 1990; **174:** 331

CT of acute pancreatitis: correlation between lack of contrast enhancement and pancreatic necrosis, Johnson CD; Stephens DH; Sarr MG, AJR 1991; **156:** 93

cystic central necrosis of transplanted pancreas, Nobrega J; Halvorsen RA; Letourneau JG; et al, Gastrointest Radiol 1990; **15:** 202

diagnosis of segmental necrosis in a pancreas transplant by thallium-201 perfusion scintigraphy, Hirsch H; Fernandez-Ulloa M; Munda R; et al, J Nucl Med 1991; **32:** 1605

differentiating pancreatic pseudocyst and pancreatic necrosis using computerized tomography, (ab), Mainwaring R; Kern J; Schenk WG; et al, Radiology 1990; **174:** 289

prediction of pancreatic necrosis by dynamic pancreatography, (ab), Bradley EL III; Murphy F; Ferguson C, Radiology 1990; **175:** 290

Pancreas, neoplasms

acinar cell carcinoma of the pancreas: ultrasonography and computed tomography findings, Lim JH; Chung KB; Cho OK; et al, Clin Imag 1990; **14:** 301

ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA, Radiology 1990; **175:** 455

anatomic distribution of pancreatic endocrine tumors, (ab), Howard TJ; Stabile BE; Zinner MJ; et al, Radiology 1990; **177:** 290

avid accumulation of Ga-67 citrate in adenocarcinoma of pancreas, Kudo M; Ikekubo K; Hino M; et al, Clin Nucl Med 1989; **14:** 843

biopsy of the pancreas with a biopsy gun, Elvin A; Andersson T; Scheibenpflug L; Lindgren PG, Radiology 1990; **176:** 677

carcinoma of pancreas metastasizing to the tunica vaginalis testis, Aquino NM; Mortan R; Singh H, JCU 1989; **17:** 287

carcinoma of the head of the pancreas, (ab), Redmond HP; Stuart R; Hofmann KP; et al, JVIR 1991; **2:** 419

case of the season, Coombs RJ, Semin Roentgenol 1990; **25:** 127

characterization of pancreatic adenocarcinoma by magnetic resonance imaging, Vellet AD, J Canad Assoc Radiol 1991; **42:** 180

chronic pancreatitis: reassessment with current CT, Luetmer PH; Stephens DH; Ward EM, Radiology 1989; **171:** 353

classification and staging of pancreatic nonendocrine tumors, Klöppel G; Maillet B, Radiol Clin North Am 1989; **27:** 105

computed tomography and histologic appearance of pancreatic metastases from distant sources, Muranaka T; Teshima K; Honda H; et al, Acta Radiol 1989; **30:** 615

computed tomography of unusual calcified pancreatic tumors, Hertzanu Y; Bar-Ziv J; Freund U, JCAT 1989; **13:** 75

contribution of ultrasonography and computed tomography in the diagnosis of nonfunctioning islet cell tumors of the pancreas, Fugazzola C; Procacci C; Andreis IAB; et al, Gastrointest Radiol 1990; **15:** 139

CT and MR imaging of advanced Zollinger-Ellison syndrome, Tjon A Tham RTO; Falke THM; Jansen JBMJ; et al, JCAT 1989; **13:** 821

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

cystic neoplasms of the pancreas: comparison of MR imaging with CT, Minami M; Itai Y; Ohtomo K; Yoshida H; Yoshikawa K; Iio M, Radiology 1989; **171:** 53

cystic tumors of the pancreas: evaluation by ultrasonography and computed tomography, Fugazzola C; Procacci C; Andreis IAB; et al, Gastrointest Radiol 1991; **16:** 53

cystic tumors of the pancreas: new clinical, radiologic, and pathologic observations in 67 patients, (ab), Warshaw AL; Compton CC; Lewandrowski K; et al, Radiology 1991; **179:** 291

diagnostic pathology of gastrointestinal and pancreatic neuroendocrine tumours, Wilander E, Acta Oncol 1989; **28:** 363

dilated posterior superior pancreaticoduodenal vein: recognition with CT and clinical significance in patients with pancreaticobiliary carcinomas, Mori H; Miyake H; Aikawa H; Monzen Y; Maeda T; Suzuki K; Matsumoto S; Wakisaka M, Radiology 1991; **181:** 793

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

endocrine tumors of the pancreas, Rossi P; Allison DJ; Bezzi M; et al, Radiol Clin North Am 1989; **27:** 129

endoscopic ultrasonography in the diagnosis of pancreatic islet cell tumors, Yamada M; Komoto E; Naito Y; et al, J Ultrasound Med 1991; **10:** 271

from the archives of the AFIP: microcystic adenoma of the pancreas, Buck JL; Hayes WS, Radiographics 1990; **10:** 313

gastrinoma in multiple endocrine neoplasia type 1, Lamers CBHW, Acta Oncol 1991; **30:** 489

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

gastrinomas: localization by means of selective intraarterial injection of secretin, Doppman JL; Miller DL; Chang R; Maton PN; London JF; Gardner JD; Jensen RT; Norton JA, Radiology 1990; **174:** 25

gastrin-producing ovarian mucinous cystadenomas: a cause of the Zollinger-Ellison syndrome, (ab), Primrose JN; Maloney M; Wells M; et al, Radiology 1989; **172:** 292

how accurate is fine-needle biopsy in malignant neoplasia of the pancreas?, (ab), Parsons L Jr; Palmer CH, Radiology 1989; **173:** 586

imaging of pancreatic neoplasms: comparison of MR and CT, Steiner E; Stark DD; Hahn PF; et al, AJR 1989; **152:** 487

insulinomas: localization with selective intraarterial injection of calcium, Doppman JL; Miller DL; Chang R; Shawker TH; Gorden P; Norton JA, Radiology 1991; **178:** 237

insulinoma: the value of intraoperative ultrasonography, (ab), Grant CS; van Heerden J; Charboneau W; et al, Radiology 1989; **170:** 287

interstitial brachytherapy for pancreatic cancer: report of seven cases treated with ^{125}I and a review of the literature, Montemaggi P; Dobelbower R; Crucitti F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 451

intraarterial secretin injection for gastrinoma localization, Williams DM, Radiology 1990; **174:** 9

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

intra-operative ultrasound localization of an insulinoma undetected pre-operatively, Clyne CAC; Greene WJ; Paisey RB, JCU 1991; **19:** 419

in vitro culture of neuroendocrine tumors of the pancreas and gut, Lundqvist M; Öberg K, Acta Oncol 1989; **28:** 335

islet cell carcinomas of the pancreas: a twenty-year experience, (ab), Thompson GB; van Heerden JA; Grant CS; et al, Radiology 1989; **172:** 290

localization and surgical treatment of occult insulinomas, (ab), Norton JA; Shawker TH; Doppman JL; et al, Radiology 1991; **179:** 888

localized unresectable pancreatic cancer, Treurniet-Donker AD; van Mierlo MJM; van Putten WLJ, Int J Radiat Oncol Biol Phys 1990; **18:** 59

low-density insulinoma on dynamic CT, Smith TR; Koenigsberg M, AJR 1990; **155:** 995

malignant biliary obstruction complicated by ascites: transjugular insertion of an expandable metallic endoprosthesis, Ring EJ; Gordon RL; LaBerge JM; Shapiro HA, Radiology 1991; **180:** 579

management of biliary obstruction in patients with unresectable carcinoma of the pancreas, (ab), McGrath PC; McNeill PM; Neifeld JP; et al, Radiology 1989; **173:** 289

medical treatment of neuroendocrine gut and pancreatic tumors, Öberg K; Eriksson B, Acta Oncol 1989; **28:** 425

microcystic adenoma of the pancreas: report on four cases and review of the literature, Padovani B; Neuveut P; Chanalet S; et al, Gastrointest Radiol 1991; **16:** 62

morphologic changes in the body of the pancreas secondary to a mass in the pancreatic head: analysis by CT, Muranaka T, Acta Radiol 1990; **31:** 483

MR, CT, and ultrasound findings of metastatic vipoma in pancreas, Tjon A Tham RTO; Jansen JBMJ; Falke THM; et al, JCAT 1989; **13:** 142

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

mucinous cystadenocarcinoma of the pancreas: ultrasonographic findings in 5 cases, Bastid C; Sahel J; Sastre B; et al, Acta Radiol 1989; **30:** 45

mucinous pancreatic duct ectasia in the body of the pancreas, Agostini S; Choux R; Payan M-J; Sastre B; Sahel J; Clement JP, Radiology 1989; **170:** 815

neuroblastoma of the tail of the pancreas in childhood, Hoeffel JC; Galloy MA; Schmitt C; et al, Br J Radiol 1991; **64:** 167

neuroendocrine pancreatic tumors: clinical findings in a prospective study of 84 patients, Eriksson B; Öberg K; Skogseid B, Acta Oncol 1989; **28:** 373

obliteration of the fat surrounding the celiac axis and superior mesenteric artery is not a specific CT finding of carcinoma of the pancreas, Baker ME; Cohan RH; Nadel SN; et al, AJR 1990; **155:** 991

pancreatic adenocarcinoma: are there pathognomonic changes in the fat surrounding the superior mesenteric artery?, Baker ME, Radiology 1991; **180:** 613

pancreatic cancer: evaluation of prognostic factors and treatment results, Kellokumpu-Lehtinen P; Huovinen R; Tuominen J, Acta Oncol 1989; **28:** 481

pancreatic cancer versus chronic pancreatitis: diagnosis with CA 19-9 assessment, US, CT, and CT-guided fine-needle biopsy, DelMaschio A; Vanzulli A; Sironi S; Castrucci M; Mellone R; Staudacher C; Carlucci M; Zerbi A; Parolini D; Faravelli A; Cantaboni A; Garancini P; Di Carlo V, Radiology 1991; **178:** 95

pancreatic carcinoma masquerading as renal cell carcinoma, Kumar R; Balachandran S; Shirkhoda A; et al, Urol Radiol 1989; **11:** 20

pancreatic cystic neoplasms, Mathieu D; Guigui B; Valette PJ; et al, Radiol Clin North Am 1989; **27:** 163

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

pancreatic lymphangioma: CT, MRI, and angiographic features, Salimi Z; Fishbein M; Wolverson MK; et al, Gastrointest Radiol 1991; **16:** 248

pancreatic lymphoma: is surgery mandatory for diagnosis or treatment?, (ab), Webb TH; Lillemoe KD; Pitt HA; et al, Radiology 1989; **172:** 882

pancreatic metastases of renal cell carcinoma: report of two cases, Strijk SP, Gastrointest Radiol 1989; **14:** 123

pancreatic microcystic adenoma presenting with acute hemoperitoneum: CT diagnosis, Rubin GD; Jeffrey RB Jr; Walter JF, AJR 1991; **156:** 749

pancreatic plasmacytoma: CT findings, Wilson TE; Korobkin M; Francis IR, AJR 1989; **152:** 1227

pancreatic venous samplings in infants and children with primary hyperinsulinism, Brunelle F; Negre V; Barth MO; et al, Pediatr Radiol 1989; **19:** 100

pancreatoblastoma: MR appearance, Stephenson CA; Kletzel M; Seibert JJ; et al, JCAT 1990; **14:** 492

papillary cystic tumour of the pancreas: findings at computed tomography and ultrasound, Phillips GWL; Chou ST; Mulhauser J, Br J Radiol 1991; **64:** 367

plasmacytoma of the pancreatic head, Fukuya T; Yoshimitsu K; Kitagawa S; et al, Gastrointest Radiol 1989; **14:** 226

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders, Torres GM; Erquiaga E; Ros PR; Burton SS; Barreda R; Langmo LS; Kennedy SJ, Radiographics 1991; **11:** 785

preliminary results of MR imaging with superparamagnetic iron oxide in pancreatic and retroperitoneal disorders: invited commentary, Mitchell DG, Radiographics 1991; **11:** 792

preoperative localization of endocrine pancreatic tumours by intra-arterial dynamic computed tomography, Ahlström H; Magnusson A; Grama D; et al, Acta Radiol 1990; **31:** 171

preoperative staging and assessment of resectability of pancreatic cancer, (ab), Warshaw AL; Gu Z-y; Wittenberg J; et al, Radiology 1990; **176:** 882

radiologic diagnosis and staging of pancreatic ductal adenocarcinoma, Freeny PC, Radiol Clin North Am 1989; **27:** 121

rare pancreatic malignancies, Friedman AC; Edmonds PR, Radiol Clin North Am 1989; **27:** 177

reflux esophagitis in patients with Zollinger-Ellison syndrome, (ab), Miller LS; Vinayek R; Frucht H; et al, Radiology 1990; **176:** 294

root of the superior mesenteric artery in pancreatitis and pancreatic carcinoma: evaluation with CT, Schulte SJ; Baron RL; Freeny PC; Patten RM; Gorell HA; Maclin ML, Radiology 1991; **180:** 659

scintigraphic depiction of an insulinoma by I-131 metaiodobenzylguanidine, Geatti O; Shapiro B; Barillari B, Clin Nucl Med 1989; **14:** 903

selective arterial stimulation of secretin in localization of gastrinomas, (ab), Rosato FE; Bonn J; Shapiro M; et al, JVIR 1991; **2:** 295

selective surgical management of correctable hypergastrinemia, (ab), Delcore R Jr; Hermreck AS; Friesen SR, Radiology 1990; **175:** 882

serous cystadenocarcinoma of the pancreas: a new entity?, (ab), George DH; Murphy F; Michalski R; et al, Radiology 1989; **172:** 585

small carcinoma of the pancreas: clinical and pathologic evaluation of 17 patients, (ab), Manabe T; Miyashita T; Ohshio G; et al, Radiology 1989; **170:** 582

surgical treatment of carcinoids and endocrine pancreatic tumours, Åkerström G, Acta Oncol 1989; **28:** 409

surgical treatment of endocrine pancreatic lesions in MEN-1, Åkerström G; Johansson H; Grama D, Acta Oncol 1991; **30:** 541

transhepatic portal vein catheterization for localization of insulinomas: a 10-year experience, (ab), Vinik AI; Delbridge L; Moattari R; et al, JVIR 1991; **2:** 417

transhepatic portal vein catheterization for localization of insulinomas: a ten-year experience, (ab), Vinik AI; Delbridge L; Moattari R; et al, Radiology 1991; **179:** 592

transthyretin in endocrine pancreatic tumors, (ab), Jacobsson B; Carlstrom A; Collins VP; et al, Radiology 1989; **173:** 289

treatment of primary unresectable carcinoma of the pancreas with I-125 implantation, Peretz T; Nori D; Hilaris B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 931

treatment of the pancreatic disease of multiple endocrine neoplasia type 1 (MEN 1), Tisell L-E; Ahlman H, Acta Oncol 1989; **28:** 415

ultrasound compared with computed tomography and pancreatic arteriography in the detection of endocrine tumours of the pancreas, Päivänsalo M; Mäkäräinen H; Siniluoto T; et al, Eur J Radiol 1989; **9:** 173

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; **174:** 815

^{90}Y-B72.3 against pancreatic cancer: dosimetric and biological analysis, Mehta MP; Kubsad SS; Fowler JF; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 627

Zollinger-Ellison syndrome: prospective assessment of abdominal US in the localization of gastrinomas, London JF; Shawker TH; Doppman JL; Frucht HH; Vinayek R; Stark HA; Miller LS; Miller DL; Norton JA; Jensen RT; Gardner JD; Maton PN, Radiology 1991; **178:** 763

Pancreas, percutaneous drainage

See Pancreas, interventional procedure

Pancreas, radiography

interpretation of retrograde pancreatography in the elderly, Jones SN; McNeil NI; Lees WR, Clin Radiol 1989; **40:** 393

pharmacokinetics of three contrast media in experimental pancreatography, Saari A, Acta Radiol 1989; **30:** 81

Pancreas, radionuclide studies

avid accumulation of Ga-67 citrate in adenocarcinoma of pancreas, Kudo M; Ikekubo K; Hino M; et al, Clin Nucl Med 1989; **14:** 843

comparative dual-tracer studies of carbon-14 tryptophan and iodine-131 HIPDM in animal models of pancreatic diseases, Kubota K; Som P; Brill AB; et al, J Nucl Med 1989; **30:** 1848

diagnosis of segmental necrosis in a pancreas transplant by thallium-201 perfusion scintigraphy, Hirsch H; Fernandez-Ulloa M; Munda R; et al, J Nucl Med 1991; **32:** 1605

human pancreas scintigraphy using iodine-123-labeled HIPDM and SPECT, Yamamoto K; Shibata T; Saji H; et al, J Nucl Med 1990; **31:** 1015

indium-111-labeled platelets in monitoring human pancreatic transplants, Catafau AM; Lomeña FJ; Ricart MJ; et al, J Nucl Med 1989; **30:** 1470

pancreas transplants: evaluation using perfusion scintigraphy, Kuni CC; duCret RP; Boudreau RJ, AJR 1989; **153:** 57

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

scintigraphic depiction of an insulinoma by I-131 metaiodobenzylguanidine, Geatti O; Shapiro B; Barillari B, Clin Nucl Med 1989; **14:** 903

Pancreas, surgery

computed tomography after modified Whipple procedure with pancreatic duct occlusion, Abildgaard A; Kolmannskog F; Mathisen Ø; et al, Acta Radiol 1990; **31:** 579

CT of liver steatosis after subtotal pancreatectomy, Lundstedt C; Andrén-Sandberg A, Acta Radiol 1991; **32:** 30

CT of the abdomen after the Whipple procedure: value in depicting postoperative anatomy, surgical complications, and tumor recurrence, Coombs RJ; Zeiss J; Howard JM; et al, AJR 1990; **154:** 1011

pylorus-preserving Whipple pancreaticoduodenectomy: postoperative evaluation, Trerotola SO; Jones B; Crist DW; Cameron JL, Radiology 1989; **171:** 735

Pancreas, therapeutic radiology

high dose, external beam and intraoperative radiotherapy in the treatment of resectable and unresectable pancreatic cancer, Shibamoto Y; Manabe T; Baba N; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 605

interstitial brachytherapy for pancreatic cancer: report of seven cases treated with ^{125}I and a review of the literature, Montemaggi P; Dobelbower R; Crucitti F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 451

intraoperative electron beam radiation therapy (IOEBRT) for carcinoma of the exocrine pancreas, Dobelbower RR Jr; Konski AA; Merrick HW III; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 113

localized unresectable pancreatic cancer, Treurniet-Donker AD; van Mierlo MJM; van Putten WLJ, Int J Radiat Oncol Biol Phys 1990; **18:** 59

pancreatic cancer: evaluation of prognostic factors and treatment results, Kellokumpu-Lehtinen P; Huovinen R; Tuominen J, Acta Oncol 1989; **28:** 481

treatment of cancer of the pancreas by intraoperative electron beam therapy: physical and biological aspects, Bagne FR; Dobelbower RR Jr; Milligan AJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 231

treatment of cancer of the pancreas by precision high dose (PHD) external photon beam and intraoperative electron beam therapy (IOEBT), Dobelbower RR Jr; Howard JM; Bagne FR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 205

treatment of primary unresectable carcinoma of the pancreas with I-125 implantation, Peretz T; Nori D; Hilaris B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 931

ultrasonically guided percutaneous implantation of iodine-125 seeds in pancreatic carcinoma, Joyce F; Burcharth F; Holm HH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1049

Pancreas, transplantation

acute venous thrombosis after pancreas transplantation: diagnosis with duplex Doppler sonography and scintigraphy, Boiskin I; Sandler MP; Fleischer AC; et al, AJR 1990; **154:** 529

angiography of segmental pancreatic transplants, Berger H; Illner W-D; Abendroth D; et al, Eur J Radiol 1989; **9:** 169

clinical and radiologic features of malignant neoplasms in organ transplant recipients: cyclosporine-treated vs untreated patients, Honda H; Barloon TJ; Franken EA Jr; et al, AJR 1990; **154:** 271

cystic central necrosis of transplanted pancreas, Nobrega J; Halvorsen RA; Letourneau JG; et al, Gastrointest Radiol 1990; **15:** 202

detection of pancreatic fluid and urine leakage after pancreas transplantation: value of CT and cystography, Longley DG; Dunn DL; Gruessner R; et al, AJR 1990; **155:** 997

diagnosis of pancreatic transplant dysfunction: value of gadopentetate dimeglumine-enhanced MR imaging, Fernandez MdP; Bernardino ME; Neylan JF; et al, AJR 1991; **156:** 1171

diagnosis of segmental necrosis in a pancreas transplant by thallium-201 perfusion scintigraphy, Hirsch H; Fernandez-Ulloa M; Munda R; et al, J Nucl Med 1991; **32:** 1605

fluid collections developing after pancreatic transplantation: radiologic evaluation and intervention, Patel BK; Garvin PJ; Aridge DL; Chenoweth JL; Markivee CR, Radiology 1991; **181:** 215

hepatic lymphoma in cyclosporine-treated transplant recipients: sonographic and CT findings, Honda H; Franken EA Jr; Barloon TJ; et al, AJR 1989; **152:** 501

human orthotopic small intestine transplantation: radiologic assessment, Bach DB; Hurlbut DJ; Romano WM; Sutherland FR; Garcia BM; Wall WJ; Ghent CN; Grant DR, Radiology 1991; **180:** 37

indium-111-labeled platelets in monitoring human pancreatic transplants, Catafau AM; Lomeña FJ; Ricart MJ; et al, J Nucl Med 1989; **30:** 1470

innocuous gas collections in pancreatic allografts demonstrated by computed tomography, Vas WG; Patel B; Mahanta B; et al, Gastrointest Radiol 1989; **14:** 118

multimodality imaging of a pancreatic transplant: a case report, Eisenberg B; Velchik MG; Gefter WB; et al, Clin Nucl Med 1990; **15:** 507

pancreas transplant imaging: an overview, Low RA; Kuni CC; Letourneau JG, AJR 1990; **155:** 13

pancreas transplants: evaluation using perfusion scintigraphy, Kuni CC; duCret RP; Boudreau RJ, AJR 1989; **153:** 57

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

pancreatic transplant rejection: assessment with duplex US, Patel B; Wolverson MK; Mahanta B, Radiology 1989; **173:** 131

pancreatic transplants: CT-guided biopsy, Bernardino M; Fernandez M; Neylan J; Hertzler G; Whelchel J; Olson R, Radiology 1990; **177:** 709

pancreatic transplants: CT with clinical and pathologic correlation, Moulton JS; Munda R; Weiss MA; Lubbers DJ, Radiology 1989; **172:** 21

pancreatic transplants: evaluation with MR imaging, Yuh WTC; Hunsicker LG; Nghiem DD; Sato Y; Smith JL; Wright FH; Corry RJ, Radiology 1989; **170:** 171

Pancreas, US

acinar cell carcinoma of the pancreas: ultrasonography and computed tomography findings, Lim JH; Chung KB; Cho OK; et al, Clin Imag 1990; **14:** 301

air in the main pancreatic duct: demonstration with US, Costa PL; Righetti G, Radiology 1991; **181:** 801

ampullopancreatic carcinoma: preoperative TNM classification with endosonography, Tio TL; Tytgat GNJ; Cikot RJLM; Houthoff HJ; Sars PRA, Radiology 1990; **175:** 455

biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Huntington DK; Hill MC; Steinberg W, Radiology 1989; **172:** 47

contribution of ultrasonography and computed tomography in the diagnosis of nonfunctioning islet cell tumors of the pancreas, Fugazzola C; Procacci C; Andreis IAB; et al, Gastrointest Radiol 1990; **15:** 139

cystic tumors of the pancreas: evaluation by ultrasonography and computed tomography, Fugazzola C; Procacci C; Andreis IAB; et al, Gastrointest Radiol 1991; **16:** 53

endoscopic ultrasonography in the diagnosis of pancreatic islet cell tumors, Yamada M; Komoto E; Naito Y; et al, J Ultrasound Med 1991; **10:** 271

fluid collections developing after pancreatic transplantation: radiologic evaluation and intervention, Patel BK; Garvin PJ; Aridge DL; Chenoweth JL; Markivee CR, Radiology 1991; **181:** 215

from the archives of the AFIP: microcystic adenoma of the pancreas, Buck JL; Hayes WS, Radiographics 1990; **10:** 313

gastrinomas: comparison of MR imaging with CT, angiography, and US, Frucht H; Doppman JL; Norton JA; Miller DL; Dwyer AJ; Frank JA; Vinayek R; Maton PN; Jensen RT, Radiology 1989; **171:** 713

hereditary pancreatitis: early ultrasound appearances, Spencer JA; Lindsell DRM; Isaacs D, Pediatr Radiol 1990; **20:** 293

hypoechoic area within the head of the pancreas—a normal variant, Donald JJ; Shorvon PJ; Lees WR, Clin Radiol 1990; **41:** 337

insulinoma: the value of intraoperative ultrasonography, (ab), Grant CS; van Heerden J; Charboneau W; et al, Radiology 1989; **170:** 287

intra-operative ultrasound localization of an insulinoma undetected pre-operatively, Clyne CAC; Greene WJ; Paisey RB, JCU 1991; **19:** 419

low-field (0.08 T) magnetic resonance imaging of the pancreas: comparison with computed tomography and ultrasound, Smith FW; Bayliss AP; Hussey JK; et al, Br J Radiol 1989; **62:** 796

MR, CT, and ultrasound findings of metastatic vipoma in pancreas, Tjon A Tham RTO; Jansen JBMJ; Falke THM; et al, JCAT 1989; **13:** 142

mucinous cystadenocarcinoma of the pancreas: ultrasonographic findings in 5 cases, Bastid C; Sahel J; Sastre B; et al, Acta Radiol 1989; **30:** 45

pancreatic cancer versus chronic pancreatitis: diagnosis with CA 19-9 assessment, US, CT, and CT-guided fine-needle biopsy, DelMaschio A; Vanzulli A; Sironi S; Castrucci M; Mellone R; Staudacher C; Carlucci M; Zerbi A; Parolini D; Faravelli A; Cantaboni A; Garancini P; Di Carlo V, Radiology 1991; **178:** 95

pancreatic echogenicity in premature and newborn infants, Walsh E; Cramer B; Pushpanathan C, Pediatr Radiol 1990; **20:** 323

pancreatic pseudoaneurysm: monitoring the success of transcatheter embolization with duplex sonography, Lim GM; Jeffrey RB Jr; Tolentino CS, J Ultrasound Med 1989; **8:** 643

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

pancreatic transplant rejection: assessment with duplex US, Patel B; Wolverson MK; Mahanta B, Radiology 1989; **173:** 131

papillary cystic tumour of the pancreas: findings at computed tomography and ultrasound, Phillips GWL; Chou ST; Mulhauser J, Br J Radiol 1991; **64:** 367

percutaneous drainage of infected and noninfected pancreatic pseudocysts: experience in 101 cases, vanSonnenberg E; Wittich GR; Casola G; Brannigan TC; Karnel F; Stabile BE; Varney RR; Christensen RR, Radiology 1989; **170:** 757

sonographic changes of the pancreas in chronic renal failure, Lerch MM; Riehl J; Mann H; et al, Gastrointest Radiol 1989; **14:** 311

sonographic detection of congenital pancreatic cysts in the newborn: report of a case and review of the literature, Baker LL; Hartman GE; Northway WH, Pediatr Radiol 1990; **20:** 488

sonographic detection of the fetal pancreas, Hill LM; Peterson C; Rivello D; et al, JCU 1989; **17:** 475

sonographic diagnosis of a splenic artery pseudoaneurysm incorporated within an infected pancreatic pseudocyst, Kedar RP; Wagle AS; Merchant SA, Australas Radiol 1991; **35:** 92

sonographic measurement of the pancreas in children, Ueda D, JCU 1989; **17:** 417

sonography in acute pancreatitis, Jeffrey RB Jr, Radiol Clin North Am 1989; **27:** 5

sonography of chronic pancreatitis, Bolondi L; Li Bassi S; Gaiani S; et al, Radiol Clin North Am 1989; **27:** 815

ultrasonographic diagnosis of bleeding into a pancreatic pseudocyst, Ateş KB; Boyacioğlu S; Taş I; et al, Gastrointest Radiol 1991; **16:** 178

ultrasound compared with computed tomography and pancreatic arteriography in the detection of endocrine tumours of the pancreas, Päivänsalo M; Mäkäräinen H; Siniluoto T; et al, Eur J Radiol 1989; **9:** 173

uneven lipomatosis: a pitfall in pancreatic sonography, Marchal G; Verbeken E; Van Steenbergen W; et al, Gastrointest Radiol 1989; **14:** 233

Zollinger-Ellison syndrome: prospective assessment of abdominal US in the localization of gastrinomas, London JF; Shawker TH; Doppman JL; Frucht HH; Vinayek R; Stark HA; Miller LS; Miller DL; Norton JA; Jensen RT; Gardner JD; Maton PN, Radiology 1991; **178:** 763

Pancreatic ducts

air in the main pancreatic duct: demonstration with US, Costa PL; Righetti G, Radiology 1991; **181:** 801

computed tomography after modified Whipple procedure with pancreatic duct occlusion, Abildgaard A; Kolmannskog F; Mathisen Ø; et al, Acta Radiol 1990; **31:** 579

mucinous pancreatic duct ectasia in the body of the pancreas, Agostini S; Choux R; Payan M-J; Sastre B; Sahel J; Clement JP, Radiology 1989; **170:** 815

pancreatic and biliary calculi: percutaneous treatment with tunable dye laser lithotripsy, Feldman RK; Freeny PC; Kozarek RA, Radiology 1990; **174:** 793

pancreatic duct abnormalities in gall stone disease: an endoscopic retrograde cholangiopancreatographic study, (ab), Misra SP; Gulati P; Choudhary V; et al, Radiology 1991; **179:** 291

role of the accessory pancreatic duct of Santorini in pancreatic drainage in children (with emphasis of choledochal cyst patients), Perisic VN; Mihailovic T; Tomomasa T; et al, Pediatr Radiol 1991; **21:** 258

technical report: percutaneous treatment of a pancreatic duct fistula facilitated by an hydrophilic guide wire, Mills P; Grundy A, Clin Radiol 1991; **43:** 347

Pancreatitis

acute pancreatitis in childhood, (ab), Weizman Z; Durie PR, Radiology 1989; **172:** 591

acute pancreatitis: prognostic value of CT, (ab), Balthazar EJ, Radiology 1990; **176:** 882

acute pancreatitis: value of CT in establishing prognosis, Balthazar EJ; Robinson DL; Megibow AJ; Ranson JHC, Radiology 1990; **174:** 331

biliary complications of pancreatitis, Rohrmann CA Jr; Baron RL, Radiol Clin North Am 1989; **27:** 93

biliary tract dilatation in chronic pancreatitis: CT and sonographic findings, Huntington DK; Hill MC; Steinberg W, Radiology 1989; **172:** 47

chronic pancreatitis: reassessment with current CT, Luetmer PH; Stephens DH; Ward EM, Radiology 1989; **171:** 353

classification of pancreatitis, Freeny PC, Radiol Clin North Am 1989; **27:** 1

complications of endoscopic retrograde sphincterotomy: computed tomographic evaluation, Kuhlman JE; Fishman EK; Milligan FD; et al, Gastrointest Radiol 1989; **14:** 127

comprehensive management of acute necrotizing pancreatitis and pancreatic abscess, (ab), Stanten R; Frey CF, JVIR 1991; **2:** 295

computed tomography findings in pancreas divisum, Lindström E; Ihse I, Acta Radiol 1989; **30:** 609

correlation of imaging and function in chronic pancreatitis, Malfertheiner P; Büchler M, Radiol Clin North Am 1989; **27:** 51

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

CT detection of asymptomatic pancreatitis following ERCP, Thoeni RF; Fell SC; Goldberg HI, Gastrointest Radiol 1990; **15:** 291

CT diagnosis and staging of acute pancreatitis, Balthazar EJ, Radiol Clin North Am 1989; **27:** 19

CT of acute pancreatitis: correlation between lack of contrast enhancement and pancreatic necrosis, Johnson CD; Stephens DH; Sarr MG, AJR 1991; **156:** 93

demonstration on computed tomography of two pseudoaneurysms complicating chronic pancreatitis, Pantongrag-Brown L; Suwanwela N; Arjhansiri K; et al, Br J Radiol 1991; **64:** 754

early diagnosis of pancreatic infection by computed tomography-guided aspiration, (ab), Gerzof SG; Banks PA; Robbins AH; et al, Radiology 1989; **170:** 900

endoscopic retrograde cholangiopancreatography in chronic pancreatitis: Cambridge classification, Axon ATR, Radiol Clin North Am 1989; **27:** 39

failure of ultrasound to detect extra-pancreatic abscesses in severe acute pancreatitis, Mahon T; Malone D; Griffin J; et al, Eur J Radiol 1989; **9:** 248

fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature, Sadry F; Hauser H, Gastrointest Radiol 1990; **15:** 296

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

gallstone pancreatitis: a prospective randomized trial of the timing of surgery, (ab), Kelly TR; Wagner DS, Radiology 1989; **171:** 585

gastrointestinal complications of pancreatitis, Safrit HD; Rice RP, Radiol Clin North Am 1989; **27:** 73

Grey Turner's sign and Cullen's sign in acute pancreatitis, Meyers MA; Feldberg MAM; Oliphant M, Gastrointest Radiol 1989; **14:** 31

hereditary pancreatitis: early ultrasound appearances, Spencer JA; Lindsell DRM; Isaacs D, Pediatr Radiol 1990; **20:** 293

hyperamylasemia after cardiac surgery: incidence, significance, and management, (ab), Rattner DW; Gu Z-Y; Vlahakes GJ; et al, Radiology 1989; **173:** 289

identification of a characteristic ^{31}P NMR signal in acute experimental pancreatitis with the aid of ^{1}H–^{31}P correlated 2D measurements of intact pancreas, Kushnir T; Kaplan O; Askenasy N; et al, Magn Res Med 1989; **10:** 119

imaging and interventional radiology for pancreatitis and its complications, vanSonnenberg E; Casola G; Varney RR; et al, Radiol Clin North Am 1989; **27:** 65

indium-111 WBC detection of emphysematous gastritis in pancreatitis, Caruana V; Swayne LC; Salaki JS, J Nucl Med 1990; **31:** 112

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

intraosseous fat necrosis associated with acute pancreatitis: MR imaging, Haller J; Greenway G; Resnick D; Kindynis P; Kang HS, Radiology 1989; **173:** 193

lymphoplasmacytic sclerosing pancreatitis with cholangitis: a variant of primary sclerosing cholangitis extensively involving pancreas, (ab), Kawaguchi K; Koike M; Tsuruta K; et al, Radiology 1991; **181:** 291

obliteration of periarterial retropancreatic fat on CT in pancreatitis: an exception to the rule, Luetmer PH; Stephens DH; Fischer AP, AJR 1989; **153:** 63

obstructive jaundice secondary to chronic pancreatitis in children: report of two cases and review of the literature, (ab), Wheatley MJ; Coran AG, Radiology 1989; **172:** 295

obstructive jaundice: use of expandable metal endoprosthesis for biliary drainage, Lammer J; Klein GE; Kleinert R; Hausegger K; Einspieler R, Radiology 1990; **177:** 789

pancreatic adenocarcinoma: are there pathognomonic changes in the fat surrounding the superior mesenteric artery?, Baker ME, Radiology 1991; **180:** 613

pancreatic cancer versus chronic pancreatitis: diagnosis with CA 19-9 assessment, US, CT, and CT-guided fine-needle biopsy, DelMaschio A; Vanzulli A; Sironi S; Castrucci M; Mellone R; Staudacher C; Carlucci M; Zerbi A; Parolini D; Faravelli A; Cantaboni A; Garancini P; Di Carlo V, Radiology 1991; **178:** 95

pancreatic disease: prospective comparison of CT, ERCP, and 1.5-T MR imaging with dynamic gadolinium enhancement and fat suppression, Semelka RC; Kroeker MA; Shoenut JP; Kroeker R; Yaffe CS; Micflikier AB, Radiology 1991; **181:** 785

pancreaticoportal fistula: a rare complication of chronic pancreatitis, Van Steenbergen W; Ponette E, Gastrointest Radiol 1990; **15:** 299

pancreatic response to percutaneous biliary drainage: a prospective study, Savader SJ; Venbrux AC; Robbins KV; Gittelsohn AM; Osterman FA Jr, Radiology 1991; **178:** 343

pancreatic transplants: CT with clinical and pathologic correlation, Moulton JS; Munda R; Weiss MA; Lubbers DJ, Radiology 1989; **172:** 21

pancreatitis causing focal caliectasis, Fishman M; Talner LB, AJR 1991; **156:** 1005

pancreatitis with pseudoaneurysm formation: a pitfall for the interventional radiologist, Lee MJ; Saini S; Geller SC; et al, AJR 1991; **156:** 97

percutaneous drainage of infected and noninfected pancreatic pseudocysts: experience in 101 cases, vanSonnenberg E; Wittich GR; Casola G; Brannigan TC; Karnel F; Stabile BE; Varney RR; Christensen RR, Radiology 1989; **170:** 757

percutaneous treatment (including pseudocystogastrostomy) of 74 pancreatic pseudocysts, Grosso M; Gandini G; Cassinis MC; Regge D; Righi D; Rossi P, Radiology 1989; **173:** 493

pseudoaneurysms and bleeding pseudocysts in chronic pancreatitis: radiological findings and contribution to diagnosis in 8 cases, Bretagne J-F; Heresbach D; Darnault P; et al, Gastrointest Radiol 1990; **15:** 9

psoas muscle pancreatic pseudocyst: CT—US diagnosis and percutaneous drainage, Alvarez-Castells A; Comet R; Alvarez-Moro J; et al, Gastrointest Radiol 1989; **14:** 229

role of the accessory pancreatic duct of Santorini in pancreatic drainage in children (with emphasis of choledochal cyst patients), Perisic VN; Mihailovic T; Tomomasa T; et al, Pediatr Radiol 1991; **21:** 258

root of the superior mesenteric artery in pancreatitis and pancreatic carcinoma: evaluation with CT, Schulte SJ; Baron RL; Freeny PC; Patten RM; Gorell HA; Maclin ML, Radiology 1991; **180:** 659

scintigraphic "duodenal cut off sign" in acute pancreatitis, Shanley DJ; Buckner AB; Alexander HG, Clin Nucl Med 1991; **16:** 223

serial computed tomography scanning in acute pancreatitis: a prospective study, (ab), London NJM; Neoptolemos JP; Lavelle J; et al, Radiology 1989; **172:** 882

sonography in acute pancreatitis, Jeffrey RB Jr, Radiol Clin North Am 1989; **27:** 5

sonography of chronic pancreatitis, Bolondi L; Li Bassi S; Gaiani S; et al, Radiol Clin North Am 1989; **27:** 815

subcutaneous soft tissue densities: a computed tomography indicator of severe pancreatitis, Ghiatas AA; Nguyen VD; Perusek M, Gastrointest Radiol 1990; **15:** 17

ultrasonography of the gallbladder in acute pancreatitis, Soiva M, Acta Radiol 1989; **30:** 403

vascular complications of pancreatitis, Vujic I, Radiol Clin North Am 1989; **27:** 81

Pancreatography

See Pancreas, radiography

Papilloma

bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature, Mulkens TH; Vereycken HA; Van Nueten JC; et al, Urol Radiol 1990; **12:** 154

choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement: report of four cases and review of the literature, Girardot C; Boukobza M; Lamoureux J-P; et al, J Neuroradiol 1990; **17:** 303

foramen magnum choroid plexus papilloma with drop metastases to the lumbar spine, Domingues RC; Taveras JM; Reimer P; et al, AJNR 1991; **12:** 564

one-month-old infant with increasing head size, Harmon BH; Yap MA, Invest Radiol 1990; **25:** 862

primary choroid plexus papilloma of the cerebellopontine angle: MR imaging, Martin N; Pierot L; Sterkers O; et al, Neuroradiol 1990; **31:** 541

role of radiation therapy in inverted papilloma of the nasal cavity and paranasal sinuses, Guedea F; Mendenhall WM; Parsons JT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 777

simulated aggressive skull base erosion in response to benign sinonasal disease, Som PM; Lawson W; Lidov MW, Radiology 1991; **180:** 755

ultrasound diagnosis of gallbladder papilloma in childhood, Sirinelli D; Vanthournout I; Robert M; et al, Pediatr Radiol 1989; **19:** 203

Paraganglioma

case report 577, Khurana JS; Kattapuram SV; Ehara S; et al, Skeletal Radiol 1989; **18:** 565

cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521

color flow Doppler of carotid body paraganglioma, Shulak JM; O'Donovan PB; Paushter DM; et al, J Ultrasound Med 1989; **8:** 519

extraadrenal retroperitoneal paraganglioma: clinical, pathologic, and CT findings, Hayes WS; Davidson AJ; Grimley PM; et al, AJR 1990; **155:** 1247

intradural paraganglioma of the thoracic spine, Silverstein AM; Quint DJ; McKeever PE, AJNR 1990; **11:** 614

iodine-123-metaiodobenzylguanidine scintigraphy in patients with chemodectomas of the head and neck region, van Gils APG; van der Mey AGL; Hoogma RPLM; et al, J Nucl Med 1990; **31:** 1147

MR imaging and MIBG scintigraphy of pheochromocytomas and extraadrenal functioning paragangliomas, van Gils APG; Falke THM; van Erkel AR; Arndt J-W; Sandler MP; van der Mey AGL; Hoogma RPLM, Radiographics 1991; **11:** 37

paraganglioma of the duodenum: a case report with radiological findings and literature review, Imai S; Kajihara Y; Komaki K; et al, Br J Radiol 1990; **63:** 975

pheochromocytoma associated with prior carotid body tumors (chemodectomas): detection with I-131 MIBG, Campeau RJ; Graves C, Clin Nucl Med 1991; **16:** 511

pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings, Remley KB; Coit WE; Harnsberger HR; Smoker WRK; Jacobs JM; McIff EB, Radiology 1990; **174:** 383

radioimmunodetection of chemodectoma by In-111 labeled anti-CEA antibody: case report and review of the literature, Kairemo KJA; Hopsu EVM, Clin Nucl Med 1990; **15:** 900

spinal metastases of carotid paraganglioma: one case and review of the literature, Crouzet G; Vasdev A; Lambrinidis M; et al, J Neuroradiol 1989; **16:** 172

twenty year experience with radiation therapy for temporal bone chemodectomas, Pryzant RM; Chou JL; Easley JD, Int J Radiat Oncol Biol Phys 1989; **17:** 1303

Paralysis

angiographic localization of spinal cord blood supply and its relationship to postoperative paraplegia, (ab), Williams GM; Perler BA; Burdick JF; et al, Radiology 1991; **180:** 295

integrated MR imaging and proton nuclear magnetic resonance spectroscopy in a family with an X-linked spastic paraparesis, Yousem DM; Gutmann DH; Milestone BN; et al, AJNR 1991; **12:** 785

morphology of cerebral lesions in children with congenital hemiplegia: a study with computed tomography, Wiklund L-M; Uvebrant P; Flodmark O, Neuroradiol 1990; **32:** 179

Paranasal sinuses

aspergillosis of the sphenoid sinus simulating a pituitary tumor, Larrañaga J; Fandiño J; Gomez-Bueno J; et al, Neuroradiol 1989; **31:** 362

comparative study of the pneumatization of the mastoid air cells and the frontal and maxillary sinuses, Thomas A; Raman R, AJNR 1989; **10:** S88

marrow conversion before pneumatization of the sphenoid sinus: assessment with MR imaging, Aoki S; Dillon WP; Barkovich AJ; Norman D, Radiology 1989; **172:** 373

mucocele of paranasal sinuses in a young infant with cystic fibrosis, Schulte T; Buhr W; Brassel F; et al, Pediatr Radiol 1990; **20:** 600

mucoceles of the sphenoidal sinus: report of six cases and review of the literature, Barat J-L; Marchal JC; Bracard S; et al, J Neuroradiol 1990; **17:** 135

relationship between frontal sinus drainage and osteomeatal complex disease: a CT study in 217 patients, Wallace R; Salazar JE; Cowles S, AJNR 1990; **11:** 183

Paranasal sinuses, abnormalities

abnormal maxillary sinus radiographs in children: do they represent bacterial infection?, (ab), Arruda LK; Mimica IM; Sole D; et al, Radiology 1990; **177:** 600

incidental paranasal sinus abnormalities on MRI of the brain, Moser FG; Panush D; Rubin JS; et al, Clin Radiol 1991; **43:** 252

inflammatory disease involving a concha bullosa (enlarged pneumatized middle nasal turbinate): MR and CT appearance, Lidov M; Som PM, AJNR 1990; **11:** 999

spontaneous drainage of an ethmoidal mucocele: a possible cause of pneumosinus dilatans, Benedikt RA; Brown DC; Roth MK; et al, AJNR 1991; **12:** 729

Paranasal sinuses, anatomy

CT demonstration of pneumatization of the uncinate process, Bolger WE; Woodruff W; Parsons DS, AJNR 1990; **11:** 552

Paranasal sinuses, CT

CT evaluation of polymorphic reticulosis, Teng MMH; Chang CY; Guo WY; et al, Neuroradiol 1990; **31:** 498

CT features in second cancers of the maxillary sinus, Shibuya H; Yasumoto M; Gomi N; et al, Acta Radiol 1991; **32:** 105

general case of the day, Robinson KE; Fosket CD; Fraccola PJ, Radiographics 1990; **10:** 732

hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M, Radiology 1990; **176:** 777

inflammatory disease involving a concha bullosa (enlarged pneumatized middle nasal turbinate): MR and CT appearance, Lidov M; Som PM, AJNR 1990; **11:** 999

limited-slice CT in the evaluation of paranasal sinus disease in children, Gross GW; McGeady SJ; Kerut T; et al, AJR 1991; **156:** 367

maxillary sinus hemangioma: MR and CT studies, Kulkarni MV; Bonner FM; Abdo GJ, JCAT 1989; **13:** 340

paranasal sinuses: low-dose CT, Marmolya G; Wiesen EJ; Yagan R; Haria CD; Shah AC, Radiology 1991; **181:** 689

prevalence of ethmoid sinus abnormalities on brain CT of asymptomatic adults, Duvoisin B; Agrifoglio A, AJNR 1989; **10:** 599

significance of CT and MR findings in sphenoid sinus disease, Digre KB; Maxner CE; Crawford S; et al, AJNR 1989; **10:** 603

significance of opacification of the maxillary and ethmoid sinuses in infants, (ab), Glasier CM; Mallory GB Jr; Steele RW, Radiology 1990; **174:** 295

sphenochoanal polyps: evaluation with CT and MR imaging, Weissman JL; Tabor EK; Curtin HD, Radiology 1991; **178:** 145

Paranasal sinuses, diseases

benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763

CT evaluation of polymorphic reticulosis, Teng MMH; Chang CY; Guo WY; et al, Neuroradiol 1990; **31:** 498

hypointense MR signal in chronically inspissated sinonasal secretions, Dillon WP; Som PM; Fullerton GD, Radiology 1990; **174:** 73

hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M, Radiology 1990; **176:** 777

limited-slice CT in the evaluation of paranasal sinus disease in children, Gross GW; McGeady SJ; Kerut T; et al, AJR 1991; **156:** 367

Paranasal sinuses, fungus

hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M, Radiology 1990; **176:** 777

Paranasal sinuses, inflammation

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Paranasal sinuses, MR

benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763

chronically obstructed sinonasal secretions: observations on T1 and T2 shortening, Som PM; Dillon WP; Fullerton GD; Zimmerman RA; Rajagopalan B; Marom Z, Radiology 1989; **172:** 515

Gd-DTPA enhanced MR for detecting intracranial extension of sinonasal malignancies, Van Tassel P; Lee Y-Y, JCAT 1991; **15:** 387

hypointense MR signal in chronically inspissated sinonasal secretions, Dillon WP; Som PM; Fullerton GD, Radiology 1990; **174:** 73

hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M, Radiology 1990; **176:** 777

inflammatory disease involving a concha bullosa (enlarged pneumatized middle nasal turbinate): MR and CT appearance, Lidov M; Som PM, AJNR 1990; **11:** 999

maxillary sinus hemangioma: MR and CT studies, Kulkarni MV; Bonner FM; Abdo GJ, JCAT 1989; **13:** 340

MR imaging of mucoceles of the sphenoid sinus, Dawson RC III; Horton JA, AJNR 1989; **10:** 613

MRI of the paranasal sinuses and nasal cavity, Shapiro MD; Som PM, Radiol Clin North Am 1989; **27:** 447

mucoceles of the paranasal sinuses: MR imaging with CT correlation, Van Tassel P; Lee Y-Y; Jing B-S; et al, AJNR 1989; **10:** 607

paranasal sinuses on MR images of the brain: significance of mucosal thickening, Rak KM; Newell JD II; Yakes WF; et al, AJNR 1990; **11:** 1211

paranasal sinuses on MR images of the brain: significance of mucosal thickening, Rak KM; Newell JD II; Yakes WF; et al, AJR 1991; **156:** 381

significance of CT and MR findings in sphenoid sinus disease, Digre KB; Maxner CE; Crawford S; et al, AJNR 1989; **10:** 603

sphenochoanal polyps: evaluation with CT and MR imaging, Weissman JL; Tabor EK; Curtin HD, Radiology 1991; **178:** 145

"unusual" MRI appearance of sphenoid sinus mucocele, Ruelle A; Pisani R; Andrioli G, Neuroradiol 1991; **33:** 352

use of gadolinium-enhanced MR imaging for differentiating mucoceles from neoplasms in the paranasal sinuses, Lanzieri CF; Shah M; Krauss D; Lavertu P, Radiology 1991; **178:** 425

Paranasal sinuses, neoplasms
benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763
case report 670, Martinez-Madrigal F; Vanel D; Luboinski B; et al, Skeletal Radiol 1991; **20:** 299
CT and MR assessment of tumors of the nose and paranasal sinuses, the nasopharynx and the parapharyngeal space using ROC methodology, Hunink MGM; de Slegte RGM; Gerritsen GJ; et al, Neuroradiol 1990; **32:** 220
CT features in second cancers of the maxillary sinus, Shibuya H; Yasumoto M; Gomi N; et al, Acta Radiol 1991; **32:** 105
Gd-DTPA enhanced MR for detecting intracranial extension of sinonasal malignancies, Van Tassel P; Lee Y-Y, JCAT 1991; **15:** 387
general case of the day, Robinson KE; Fosket CD; Fraccola PJ, Radiographics 1990; **10:** 732
granulocytic sarcoma (chloroma): sphenoidal sinus and paraspinal involvement as evaluated by CT and MR, Freedy RM; Miller KD Jr, AJNR 1991; **12:** 259
intrafrontal sinus primary meningioma, Som PM; Sachdev VP; Sacher MM; et al, Neuroradiol 1991; **33:** 251
juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263
non-Hodgkin's lymphoma of the nasopharynx, paranasal sinus and palate, Makepeace AR; Fermont DC; Bennett MH, Clin Radiol 1989; **40:** 144
nonsalivary sinonasal adenocarcinoma, (ab), Alessi DM; Trapp TK; Fu YS; et al, Radiology 1989; **171:** 887
olfactory neuroblastoma: imaging by magnetic resonance, CT and conventional techniques, (ab), Woodhead P; Lloyd GAA, Radiology 1989; **172:** 589
paranasal sinus malignancy: a comprehensive update, (ab), Sisson GA Sr; Toriumi DM; Atiyah RA, Radiology 1989; **173:** 887
postoperative radiotherapy in the management of cancer of the maxillary sinus, Zaharia M; Salem LE; Travezan R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 967
sphenochoanal polyp: CT findings, Hayes E; Lavelle W, JCAT 1989; **13:** 365
sphenochoanal polyps: evaluation with CT and MR imaging, Weissman JL; Tabor EK; Curtin HD, Radiology 1991; **178:** 145
use of gadolinium-enhanced MR imaging for differentiating mucoceles from neoplasms in the paranasal sinuses, Lanzieri CF; Shah M; Krauss D; Lavertu P, Radiology 1991; **178:** 425

Paranasal sinuses, polyps
sphenochoanal polyps: evaluation with CT and MR imaging, Weissman JL; Tabor EK; Curtin HD, Radiology 1991; **178:** 145

Paranasal sinuses, radiography
radiography of the paranasal sinuses—one or three views?, Hayward MWJ; Lyons K; Ennis WP; et al, Clin Radiol 1990; **41:** 163

Paranasal sinuses, surgery
chronically obstructed sinonasal secretions: observations on T1 and T2 shortening, Som PM; Dillon WP; Fullerton GD; Zimmerman RA; Rajagopalan B; Marom Z, Radiology 1989; **172:** 515
percutaneous transnasal sphenoidotomy with sphenoid window, Towbin RB; Myer CM; Thompson RF, AJNR 1989; **10:** 845

Paranasal sinuses, therapeutic radiology
juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263
postoperative radiotherapy in the management of cancer of the maxillary sinus, Zaharia M; Salem LE; Travezan R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 967
value of treatment planning using CT and an immobilizing shell in radiotherapy for paranasal sinus carcinomas, Tsujii H; Kamada T; Matsuoka Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 243

Parapharyngeal space
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Paraplegia
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Parasites
amoebic liver abscess: rupture into retroperitoneum, Tandon N; Karak PK; Mukhopadhyay S; et al, Gastrointest Radiol 1991; **16:** 240
calcification of the large bowel in schistosomiasis demonstrated by computed tomography, Al-Hindawi M; Whitehouse GH; Al-Ansari AG; et al, Br J Radiol 1990; **63:** 357
calcifications in the breast in Filaria loa infection, Novak R, Acta Radiol 1989; **30:** 507
cerebral cysticercosis: documentation of natural history with CT, Kramer LD; Locke GE; Byrd SE; Daryabagi J, Radiology 1989; **171:** 459
clonorchiasis of the pancreas, Lim JH; Ko YT, Clin Radiol 1990; **41:** 195
clonorchiasis: sonographic findings in 59 proved cases, Lim JH; Ko YT; Lee DH; et al, AJR 1989; **152:** 761
CT findings of clonorchiasis, Choi BI; Kim HJ; Han MC; et al, AJR 1989; **152:** 281
demonstration of hepatic granuloma due to visceral larva migrans by ultrasonography, Hirata T; Yamasaki K; Li Y-g; et al, JCU 1990; **18:** 429
Echinococcus granulosus cysts in the liver: management with percutaneous drainage, Khuroo MS; Zargar SA; Mahajan R, Radiology 1991; **180:** 141
hepatobiliary fascioliasis: noninvasive imaging findings, Van Beers BE; Pringot J; Geubel A; Trigaux J-PP; Bigaignon G; Dooms G, Radiology 1990; **174:** 809
hydatid disease: MR imaging study, Marani SAD; Canossi GC; Nicoli FA; Alberti GP; Monni SG; Casolo PM, Radiology 1990; **175:** 701
MR imaging of chronic cerebral paragonimiasis, Kadota T; Ishikura R; Tabuchi Y; et al, AJNR 1989; **10:** S21
pet-associated lung diseases, Winer-Muram HT; Rubin SA, J Thorac Imag 1991; **6-3:** 14
pulmonary dirofilariasis: the largest single-institution experience, (ab), Risher WH; Crocker EF Jr; Beckman EN; et al, Radiology 1989; **173:** 592
radiologic findings of clonorchiasis, Lim JH, AJR 1990; **155:** 1001
turtleback liver on CT and ultrasound: schistosoma japonica revisited, Albertyn LE; Ganguly BS; Cooper JE; et al, Australas Radiol 1990; **34:** 78
ultrasonography of intestinal ascaris, Peck RJ, JCU 1990; **18:** 741

Parathyroid, abnormalities
hyperplasia of autotransplanted parathyroid in the forearm, Takebayashi S; Matsui K; Nozawa T; et al, Clin Nucl Med 1990; **15:** 354

Parathyroid, angiography
localization of parathyroid adenomas: superselective arterial DSA versus superselective conventional angiography, Miller DL; Chang R; Doppman JL; Norton JA, Radiology 1989; **170:** 1003

Parathyroid, biopsy
ultrasound-guided, histological, fine-needle biopsy from suspect parathyroid tumours: success-rate and reliability of histological diagnosis, Karstrup S; Glenthøj A; Hainau B; et al, Br J Radiol 1989; **62:** 981

Parathyroid, CT
prospective comparison of radionuclide, computed tomographic, sonographic, and magnetic resonance localization of parathyroid tumors, (ab), Krubsack AJ; Wilson SD; Lawson TL; et al, Radiology 1990; **175:** 294
use of preoperative localization of adenomas of the parathyroid glands by thallium-technetium subtraction scintigraphy, high-resolution ultrasonography and computed tomography, (ab), Roses DF; Sudarsky LA; Sanger J; et al, Radiology 1989; **173:** 295

Parathyroid, hyperparathyroidism
adult onset medulloblastoma cerebelli with leptomeningeal dissemination and coincidental primary hyperparathyroidism, Hankey GJ; Khangure MS; Spagnolo D; et al, Australas Radiol 1989; **33:** 111
brown tumor in secondary hyperparathyroidism, causing progressive paraplegia, Pumar JM; Alvarez M; Perez-Batallon A; et al, Neuroradiol 1990; **32:** 343
CT appearance of large sternoclavicular calcific masses in a teenager with chronic renal disease and secondary hyperparathyroidism, on hemodialysis maintenance, O'Malley BM; Haller JO; Twersky J; et al, Pediatr Radiol 1989; **19:** 339
erosive spondylo-arthropathy and tertiary hyperparathyroidism, Adler JS; Cameron DC, Australas Radiol 1989; **33:** 90
hyperparathyroidism, Hayes CW; Conway WF, Radiol Clin North Am 1991; **29:** 85
in vivo SPECT quantitation of bone metabolism in hyperparathyroidism and thyrotoxicosis, Israel O; Front D; Hardoff R; et al, J Nucl Med 1991; **32:** 1157
localization of parathyroid adenomas: superselective arterial DSA versus superselective conventional angiography, Miller DL; Chang R; Doppman JL; Norton JA, Radiology 1989; **170:** 1003
long-term irreversibility of bone loss after surgery for primary hyperparathyroidism, (ab), Martin P; Bergman P; Gillet C; et al, Radiology 1990; **177:** 895
MRI visualization of bilateral quadriceps tendon rupture in a patient with secondary hyperparathyroidism: implications for diagnosis and therapy, Barasch E; Lombardi LJ; Arena L; et al, Comput Med Imag Graph 1989; **13:** 407
nonsurgical treatment of primary hyperparathyroidism with sonographically guided percutaneous injection of ethanol: results in a selected series of patients, Karstrup S; Holm HH; Glenthøj A; et al, AJR 1990; **154:** 1087
persistent and recurrent hyperparathyroidism: assessment with gadopentetate dimeglumine–enhanced MR imaging, Seelos KC; DeMarco R; Clark OH; Higgins CB, Radiology 1990; **177:** 373
pre-operative localisation in primary hyperparathyroidism, Lloyd MNH; Lees WR; Milroy EJG, Clin Radiol 1990; **41:** 239
reasons for failure in parathyroid operations, (ab), Levin KE; Clark OH, Radiology 1990; **174:** 591
ultrasound-guided chemical parathyroidectomy in patients with primary hyperparathyroidism: a prospective study, Karstrup S; Transbøl I; Holm HH; et al, Br J Radiol 1989; **62:** 1037
vertebral density distribution pattern: CT classification of patients undergoing maintenance hemodialysis, Ito M; Hayashi K; Ito M, Radiology 1991; **180:** 253

Parathyroid, hypoparathyroidism
diffuse skeletal hyperostosis in idiopathic hypoparathyroidism, Lambert RGW; Becker EJ, Clin Radiol 1989; **40:** 212

Parathyroid, MR
high field MR imaging of the brain in pseudohypoparathyroidism, Araki Y; Furukawa T; Tsuda K; et al, Neuroradiol 1990; **32:** 325
MR signal intensity of parathyroid adenomas: correlation with histopathology, Auffermann W; Guis M; Tavares NJ; et al, AJR 1989; **153:** 873
parathyroid adenoma associated with neurofibromatosis: correlative scintigraphic and magnetic resonance imaging, Vogelzang PJ; Oates E; Bankoff MS, Clin Nucl Med 1989; **14:** 168
persistent and recurrent hyperparathyroidism: assessment with gadopentetate dimeglumine–enhanced MR imaging, Seelos KC; DeMarco R; Clark OH; Higgins CB, Radiology 1990; **177:** 373
prospective comparison of radionuclide, computed tomographic, sonographic, and magnetic resonance localization of parathyroid tumors, (ab), Krubsack AJ; Wilson SD; Lawson TL; et al, Radiology 1990; **175:** 294

Parathyroid, neoplasms
localization of parathyroid adenomas: superselective arterial DSA versus superselective conventional angiography, Miller DL; Chang R; Doppman JL; Norton JA, Radiology 1989; **170:** 1003
mediastinal parathyroid tumors, (ab), Clark OH, Radiology 1989; **171:** 291
metastatic calcification in a patient with malignant parathyroid carcinoma: correlation of clinical, surgical, radiographic, and scintigraphic findings, Davidson RM; Dhekne RD; Moore WH; et al, Clin Nucl Med 1990; **15:** 692

misinterpretation of the upper parathyroid adenoma on thallium-201/technetium-99m subtraction scintigraphy, Chan TYK; Serpell JW; Chan O; et al, Br J Radiol 1991; **64:** 1

MR signal intensity of parathyroid adenomas: correlation with histopathology, Auffermann W; Guis M; Tavares NJ; et al, AJR 1989; **153:** 873

parathyroid adenoma associated with neurofibromatosis: correlative scintigraphic and magnetic resonance imaging, Vogelzang PJ; Oates E; Bankoff MS, Clin Nucl Med 1989; **14:** 168

prospective comparison of radionuclide, computed tomographic, sonographic, and magnetic resonance localization of parathyroid tumors, (ab), Krubsack AJ; Wilson SD; Lawson TL; et al, Radiology 1990; **175:** 294

ultrasonic detection of parathyroid adenomas, Murchison J; McIntosh C; Aitken AGF; et al, Br J Radiol 1991; **64:** 679

ultrasonographic appearances of parathyroid carcinoma, Daly BD; Coffey SL; Behan M, Br J Radiol 1989; **62:** 1017

use of preoperative localization of adenomas of the parathyroid glands by thallium-technetium subtraction scintigraphy, high-resolution ultrasonography and computed tomography, (ab), Roses DF; Sudarsky LA; Sanger J; et al, Radiology 1989; **173:** 295

Parathyroid, radionuclide studies

comparison of techniques for thallium-201–technetium-99m parathyroid imaging, Brownless SM; Gimlette TMD, Br J Radiol 1989; **62:** 532

endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. part II, Beierwaltes WH, J Nucl Med 1991; **32:** 1627

misinterpretation of the upper parathyroid adenoma on thallium-201/technetium-99m subtraction scintigraphy, Chan TYK; Serpell JW; Chan O; et al, Br J Radiol 1991; **64:** 1

parathyroid adenoma associated with neurofibromatosis: correlative scintigraphic and magnetic resonance imaging, Vogelzang PJ; Oates E; Bankoff MS, Clin Nucl Med 1989; **14:** 168

parathyroid imaging, Goris ML; Basso LV; Keeling C, J Nucl Med 1991; **32:** 887

parathyroid subtraction imaging—pitfalls in diagnosis, Blue PW; Crawford G; Dydek GJ, Clin Nucl Med 1989; **14:** 47

prospective comparison of radionuclide, computed tomographic, sonographic, and magnetic resonance localization of parathyroid tumors, (ab), Krubsack AJ; Wilson SD; Lawson TL; et al, Radiology 1990; **175:** 294

use of preoperative localization of adenomas of the parathyroid glands by thallium-technetium subtraction scintigraphy, high-resolution ultrasonography and computed tomography, (ab), Roses DF; Sudarsky LA; Sanger J; et al, Radiology 1989; **173:** 295

Parathyroid, US

prospective comparison of radionuclide, computed tomographic, sonographic, and magnetic resonance localization of parathyroid tumors, (ab), Krubsack AJ; Wilson SD; Lawson TL; et al, Radiology 1990; **175:** 294

ultrasonic detection of parathyroid adenomas, Murchison J; McIntosh C; Aitken AGF; et al, Br J Radiol 1991; **64:** 679

ultrasonographic appearances of parathyroid carcinoma, Daly BD; Coffey SL; Behan M, Br J Radiol 1989; **62:** 1017

use of preoperative localization of adenomas of the parathyroid glands by thallium-technetium subtraction scintigraphy, high-resolution ultrasonography and computed tomography, (ab), Roses DF; Sudarsky LA; Sanger J; et al, Radiology 1989; **173:** 295

Paresis

See Paralysis

Parkinson disease

cognitive and motor dysfunction in Parkinson's disease: clinical, performance, and computed tomographic correlations, (ab), Lichter DG; Corbett AJ; Fitzgibbon GM; et al, Radiology 1989; **171:** 295

initial experience with SPECT examinations using [^{123}I]IBZM as a D2-dopamine receptor antagonist in Parkinson's disease, Cordes M; Henkes H; Laudahn D; et al, Eur J Radiol 1991; **12:** 182

magnetic resonance imaging in Parkinson's disease, (ab), Huber SJ; Chakeres DW; Paulson GW; et al, Radiology 1991; **178:** 899

pleuropulmonary disease during bromocriptine treatment of Parkinson's disease, (ab), McElvaney NG; Wilcox PG; Churg A; et al, Radiology 1989; **171:** 881

radiology pathology conference, Olson SR; Govoni AF; Minkowitz G, Clin Imag 1989; **13:** 327

Parotid gland

parotid gland abnormality found in children seropositive for the human immunodeficiency virus (HIV), Goddart D; Francois A; Ninane J; et al, Pediatr Radiol 1990; **20:** 355

parotid gland: plain and gadolinium-enhanced MR imaging, Vogl TJ; Dresel SHJ; Späth M; Grevers G; Wilimzig C; Schedel HK; Lissner J, Radiology 1990; **177:** 667

parotid swelling during human immunodeficiency virus infection, (ab), Colebunders R; Francis H; Mann JM; et al, Radiology 1989; **170:** 294

parotitis and facial nerve dysfunction, (ab), Andrews JC; Abemayor E; Alessi DM; et al, Radiology 1990; **174:** 590

radiologic evaluation of the parotid space, Pollei SR; Harnsberger HR, Semin US CT MR 1990; **11:** 486

Parotid gland, CT

benign lymphoepithelial parotid tumors in AIDS patients: CT and MR findings in nine cases, Kirshenbaum KJ; Nadimpalli SR; Friedman M; et al, AJR 1991; **156:** 1253

computed tomography and ultrasonography in parotid tumors, Isaza M; Ikezoe J; Morimoto S; et al, Acta Radiol 1989; **30:** 11

CT of Kimura disease, Smith JRG; Hadgis C; Van Hasselt A; et al, AJNR 1989; **10:** S34

ossifying parotid carcinoma ex pleomorphic adenoma: CT findings, Spencer J; Mason A; Denton K, JCAT 1991; **15:** 516

treatment of tumours of the parotid gland and middle ear using obliquely reconstructed computed tomographic images, Sims C; Manifold IH; Conway J, Br J Radiol 1989; **62:** 785

Parotid gland, cysts

cystic parotid lesions in patients at risk for the acquired immunodeficiency syndrome, (ab), Finfer MD; Schinella RA; Rothstein SG; et al, Radiology 1989; **172:** 589

parotid gland: plain and gadolinium-enhanced MR imaging, Vogl TJ; Dresel SHJ; Späth M; Grevers G; Wilimzig C; Schedel HK; Lissner J, Radiology 1990; **177:** 667

unusually large sialocele: CT characteristics, Cholankeril JV; Ravipati M; Khedekar S; et al, JCAT 1989; **13:** 367

Parotid gland, diseases

CT of Kimura disease, Smith JRG; Hadgis C; Van Hasselt A; et al, AJNR 1989; **10:** S34

Parotid gland, hypertrophy

bilateral parotid enlargement in HIV-seropositive patients, (ab), Tunkel DE; Loury MC; Fox CH; et al, Radiology 1990; **174:** 903

parotid enlargement in children seropositive for human immunodeficiency virus: imaging findings, Soberman N; Leonidas JC; Berdon WE; et al, AJR 1991; **157:** 553

Parotid gland, MR

benign lymphoepithelial parotid tumors in AIDS patients: CT and MR findings in nine cases, Kirshenbaum KJ; Nadimpalli SR; Friedman M; et al, AJR 1991; **156:** 1253

head and neck radiology. RSNA '90 meeting notes, Som PM; Curtin HD; Holliday RA; Kassel E; Reede DL; Hasso AN, Radiology 1991; **178:** 599

high-grade malignancies of the parotid gland: identification with MR imaging, Som PM; Biller HF, Radiology 1989; **173:** 823

MR imaging of parotid mass lesions: attempts at histopathologic differentiation, Swartz JD; Rothman MI; Marlowe FI; et al, JCAT 1989; **13:** 789

MR imaging of Sjögren syndrome: correlation with sialography and pathology, Takashima S; Takeuchi N; Morimoto S; et al, JCAT 1991; **15:** 393

parotid gland: plain and gadolinium-enhanced MR imaging, Vogl TJ; Dresel SHJ; Späth M; Grevers G; Wilimzig C; Schedel HK; Lissner J, Radiology 1990; **177:** 667

phase-contrast imaging of the parotid region, Mikulis DJ; Chisin R; Wismer GL; et al, AJNR 1989; **10:** 157

radiologic evaluation of the parotid space, Pollei SR; Harnsberger HR, Semin US CT MR 1990; **11:** 486

Parotid gland, neoplasms

benign lymphoepithelial parotid tumors in AIDS patients: CT and MR findings in nine cases, Kirshenbaum KJ; Nadimpalli SR; Friedman M; et al, AJNR 1991; **12:** 271

computed tomography and ultrasonography in parotid tumors, Isaza M; Ikezoe J; Morimoto S; et al, Acta Radiol 1989; **30:** 11

diagnosis of tumors of the parotid gland with anti-CEA immunoscintigraphy, Kairemo KJA; Hopsu EVM, AJR 1990; **154:** 1259

high-grade malignancies of the parotid gland: identification with MR imaging, Som PM; Biller HF, Radiology 1989; **173:** 823

imaging of tumours in the parotid region with indium-111 labelled monoclonal antibody reacting with carcinoembryonic antigen, Kairemo KJA; Hopsu EVM, Acta Oncol 1990; **29:** 539

lipoma and liposarcoma of the parotid gland: high-resolution preoperative imaging diagnosis, (ab), Korentager R; Noyek AM; Chapnik JS; et al, Radiology 1989; **171:** 887

MR imaging of parotid mass lesions: attempts at histopathologic differentiation, Swartz JD; Rothman MI; Marlowe FI; et al, JCAT 1989; **13:** 789

nodal recurrence in primary malignant epithelial tumours of the parotid gland, Poulsen MG; Tripcony LB; Kynaston B, Australas Radiol 1991; **35:** 169

ossifying parotid carcinoma ex pleomorphic adenoma: CT findings, Spencer J; Mason A; Denton K, JCAT 1991; **15:** 516

parotid gland: plain and gadolinium-enhanced MR imaging, Vogl TJ; Dresel SHJ; Späth M; Grevers G; Wilimzig C; Schedel HK; Lissner J, Radiology 1990; **177:** 667

parotid metastases from carcinoma of the breast, Bissett D; Bessell EM; Bradley PJ; et al, Clin Radiol 1989; **40:** 309

preoperative assessment of parotid masses: a comparative evaluation of radiologic techniques to histopathologic diagnosis, (ab), Byrne MN; Spector JG; Garvin CF; et al, Radiology 1989; **173:** 887

radiation therapy in recurrent pleomorphic adenoma of the parotid, Dawson AK, Int J Radiat Oncol Biol Phys 1989; **16:** 819

radiotherapy in epithelial tumors of the parotid gland: case presentation and literature review, Ravasz LA; Terhaard CHJ; Hordijk GJ, Int J Radiat Oncol Biol Phys 1990; **19:** 55

treatment of tumours of the parotid gland and middle ear using obliquely reconstructed computed tomographic images, Sims C; Manifold IH; Conway J, Br J Radiol 1989; **62:** 785

Parotid gland, radionuclide studies

'surgical parotitis' demonstrated by Ga-67 scintigraphy in critically ill patients, Hardoff R; Gips S; Bursztein de Myttenaere S, Clin Nucl Med 1991; **16:** 187

Parotid gland, US

computed tomography and ultrasonography in parotid tumors, Isaza M; Ikezoe J; Morimoto S; et al, Acta Radiol 1989; **30:** 11

Patella

case report 639, López-Barea F; Rodríguez-Peralto JL; Burgos-Lizalde E; et al, Skeletal Radiol 1991; **20:** 125

cross-sectional imaging of the patellofemoral joint and surrounding structures, Conway WF; Hayes CW; Loughran T; Totty WG; Griffeth LK; El-Khoury GY; Shellock FG, Radiographics 1991; **11:** 195

Pectus excavatum

See Thorax, abnormalities

Pediatric radiology

See Radiography, in infants and children

Pelvic organs

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

Pelvic organs, abnormalities

descent of the bladder neck: a urographic finding in denervation of the urethral sphincter in children with myelodysplasia, Zerin JM; Lebowitz RL; Bauer SB, Radiology 1990; **174:** 833

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

Pelvic organs, abscess

alternate approaches to pelvic abscess drainage after cystectomy, Place C; Nolan RL; Nickel JC, Urol Radiol 1989; **11:** 161

échographie transpérinéale des masses présacrées, Chhem RK; Groleau S; Bui BT, J Canad Assoc Radiol 1989; **40:** 304

pelvic abscesses: CT-guided transrectal drainage, Gazelle GS; Haaga JR; Stellato TA; Gauderer MWL; Plecha DT, Radiology 1991; **181:** 49

pelvic masses: aspiration biopsy with transrectal US guidance, Savader BL; Hamper UM; Sheth S; Ballard RL; Sanders RC, Radiology 1990; **176:** 351

percutaneous abscess drainage: current concepts, vanSonnenberg E; D'Agostino HB; Casola G; Halasz NA; Sanchez RB; Goodacre BW, Radiology 1991; **181:** 617

small, deep pelvic abscesses: definition and drainage guided with an endovaginal probe, VanDerKolk HL, Radiology 1991; **181:** 283

US-guided transvaginal drainage of pelvic abscesses and fluid collections, vanSonnenberg E; D'Agostino HB; Casola G; Goodacre BW; Sanchez RB; Taylor B, Radiology 1991; **181:** 53

"warm" sacroiliac joint: a finding in pelvic abscess, Slavin JD Jr; Epstein N; Negrin JA; et al, Clin Nucl Med 1990; **15:** 644

Pelvic organs, biopsy

CT-guided biopsy of pelvic masses, Triller J; Maddern G; Kraft P; et al, Cardiovasc Intervent Radiol 1991; **14:** 63

Pelvic organs, CT

abdominal lymphadenopathy: spectrum of CT findings, Einstein DM; Singer AA; Chilcote WA; Desai RK, Radiographics 1991; **11:** 457

anatomic changes in the pelvis after uncomplicated vaginal delivery: a CT study on 14 women, Garagiola DM; Tarver RD; Gibson L; et al, AJR 1989; **153:** 1239

CT and anatomic study of postcatheterization hematomas, Trerotola SO; Kuhlman JE; Fishman EK, Radiographics 1991; **11:** 247

CT and pathologic predictive features of residual mass histologic findings after chemotherapy for nonseminomatous germ cell tumors: can residual malignancy or teratoma be excluded?, Stomper PC; Kalish LA; Garnick MB; Richie JP; Kantoff PW, Radiology 1991; **180:** 711

CT appearance of the pelvis after cesarean section, Twickler DM; Setiawan AT; Harrell RS; et al, AJR 1991; **156:** 523

diagnostic imaging of gynecological diseases: the clinician's view, Camilien LD; Boyce JG, Urol Radiol 1991; **13:** 3

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

fetal dose estimates for CT pelvimetry, Moore MM; Shearer DR, Radiology 1989; **171:** 265

gossypiboma in the early post-operative period: a diagnostic problem, Apter S; Hertz M; Rubinstein ZJ; et al, Clin Radiol 1990; **42:** 128

normal variations of pelvic fat distribution implications on CT staging of pelvic tumors, Li KCP; Mastin ST, Clin Imag 1990; **14:** 319

ovarian conservation at hysterectomy: a potential diagnostic pitfall, Reed DH; Dixon AK; Williams MV, Clin Radiol 1989; **40:** 274

pelvic abscesses: CT-guided transrectal drainage, Gazelle GS; Haaga JR; Stellato TA; Gauderer MWL; Plecha DT, Radiology 1991; **181:** 49

surgical transposition of the ovary: radiologic appearance, Bashist B; Friedman WN; Killackey MA, Radiology 1989; **173:** 857

uses of direct coronal pelvic CT, Leighton DM; de Campo M, Australas Radiol 1989; **33:** 157

Pelvic organs, cysts

giant stone in the Müllerian duct cyst, Kim CJ; Pak K; Tomoyoshi T; et al, Urol Radiol 1989; **11:** 172

large Gartner duct cyst associated with a solitary crossed ectopic kidney: imaging features, Lee MJ; Yoder IC; Papanicolaou N; et al, JCAT 1991; **15:** 149

management of persistent clear pelvic cysts diagnosed by ultrasonography, (ab), Hurwitz A; Yagel S; Zion I; et al, Radiology 1989; **171:** 882

pelvic mucocele following colostomy: CT and ultrasound findings, Roshkow JE; Ng CC, JCAT 1990; **14:** 1022

Pelvic organs, diseases

pelvic actinomycosis associated with intrauterine devices, O'Connor KF; Bagg MN; Croley MR; Schabel SI, Radiology 1989; **170:** 559

pelvic inflammatory disease: endovaginal sonography with laparoscopic correlation, Patten RM; Vincent LM; Wolner-Hanssen P; et al, J Ultrasound Med 1990; **9:** 681

Pelvic organs, hemorrhage

CT and anatomic study of postcatheterization hematomas, Trerotola SO; Kuhlman JE; Fishman EK, Radiographics 1991; **11:** 247

diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Lindequist S; Justesen P; Larsen C; Rasmussen F, Radiology 1991; **179:** 69

pelvic haematoma following orchidectomy: a pitfall in the staging of non-seminomatous germ cell tumour, Russell SA; Johnson RJ; Russell JM, Br J Radiol 1990; **63:** 492

pelvic hematoma diagnosed on technetium-99m methylene diphosphanate bone imaging, Park C; LaRoy L; Ali A; et al, Clin Nucl Med 1989; **14:** 139

sonographic appearance of postpartum retropubic hematoma, Al-Naib S, JCU 1990; **18:** 520

therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Rasmussen F; Lindequist S; Larsen C; Justesen P, Radiology 1991; **179:** 75

Pelvic organs, injuries

arteriographically determined occlusive disease within the hypogastric-cavernous bed in impotent patients following blunt perineal and pelvic trauma, (ab), Levine FJ; Greenfield AJ; Goldstein I, Radiology 1991; **180:** 294

CT recognition of spinal epidural air after pelvic trauma, Chimon JL; Cantos EL, JCAT 1990; **14:** 795

seat belt injuries: radiologic findings and clinical correlation, Hayes CW; Conway WF; Walsh JW; Coppage L; Gervin AS, Radiographics 1991; **11:** 23

Pelvic organs, MR

chemical shift artifact: dependence on shape and orientation of the lipid-water interface, Smith RC; Lange RC; McCarthy SM, Radiology 1991; **181:** 225

comparison of STIR and spin-echo MR imaging at 1.5 T in 90 lesions of the chest, liver, and pelvis, Shuman WP; Baron RL; Peters MJ; et al, AJR 1989; **152:** 853

diagnostic evaluation of cancer patients with pelvic pain: comparison of scintigraphy, CT, and MR imaging, Beatrous TE; Choyke PL; Frank JA, AJR 1990; **155:** 85

diagnostic imaging of gynecological diseases: the clinician's view, Camilien LD; Boyce JG, Urol Radiol 1991; **13:** 3

gynecologic magnetic resonance imaging, Janus C, Urol Radiol 1991; **13:** 29

gynecologic tumor imaging, Chang YCF; Arrivé L; Hricak H, Semin US CT MR 1989; **10:** 29

magnetic resonance imaging in extranodal pelvic lymphoma, Williams MP; Olliff JFC, Clin Radiol 1990; **42:** 264

male pelvis, Fritzsche PJ; Wilbur MJ, Semin US CT MR 1989; **10:** 11

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

pelvic floor descent in women: dynamic evaluation with fast MR imaging and cinematic display, Yang A; Mostwin JL; Rosenshein NB; Zerhouni EA, Radiology 1991; **179:** 25

pelvic masses in pregnancy: MR imaging, Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE, Radiology 1990; **176:** 709

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

sampling bandwidth and fat suppression: effects on long TR/TE MR imaging of the abdomen and pelvis at 1.5 T, Mitchell DG; Vinitski S; Rifkin MD; et al, AJR 1989; **153:** 419

value of MR imaging in distinguishing leiomyomas from other solid pelvic masses when sonography is indeterminate, Weinreb JC; Barkoff ND; Megibow A; et al, AJR 1990; **154:** 295

Pelvic organs, neoplasms

abdominal lymphadenopathy: spectrum of CT findings, Einstein DM; Singer AA; Chilcote WA; Desai RK, Radiographics 1991; **11:** 457

air in vagina: indicator of intrapelvic pathology on CT, Hadar H; Kornreich L; Heifetz M; et al, Acta Radiol 1991; **32:** 170

bladder and rectal dose of gynecologic high-dose-rate implants: comparison of orthogonal radiographic measurements with in vivo and CT-assisted measurements, Stuecklschweiger GF; Arian-Schad KS; Poier E; Poschauko J; Hackl A, Radiology 1991; **181:** 889

comparison of STIR and spin-echo MR imaging at 1.5 T in 90 lesions of the chest, liver, and pelvis, Shuman WP; Baron RL; Peters MJ; et al, AJR 1989; **152:** 853

cystic mesothelioma of the peritoneum, O'Neil JD; Ros PR; Storm BL; Buck JL; Wilkinson EJ, Radiology 1989; **170:** 333

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

échographie transpérinéale des masses présacrées, Chhem RK; Groleau S; Bui BT, J Canad Assoc Radiol 1989; **40:** 304

fine-needle aspiration of inguinal lymph nodes in gynecologic practice, (ab), Crosby JH; Bryan AB; Gallup DG, Radiology 1989; **172:** 885

gadopentetate dimeglumine as a bowel contrast agent: safety and efficacy, Kaminsky S; Laniado M; Gogoll M; Kornmesser W; Clauss W; Langer M; Claussen C; Felix R, Radiology 1991; **178:** 503

interstitial ^{192}Ir flexible catheter radiofrequency hyperthermia treatments of head and neck and recurrent pelvic carcinomas, Goffinet DR; Prionas SD; Kapp DS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 199

lipomatous tumors of the pelvis in women: spectrum of imaging findings, Dodd GD III; Budzik RF Jr, AJR 1990; **155:** 317

magnetic resonance imaging in extranodal pelvic lymphoma, Williams MP; Olliff JFC, Clin Radiol 1990; **42:** 264

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

normal variations of pelvic fat distribution implications on CT staging of pelvic tumors, Li KCP; Mastin ST, Clin Imag 1990; **14:** 319

papillary cystadenoma of the broad ligament in a patient with von Hippel-Lindau disease, Funk KC; Heiken JP, AJR 1989; **153:** 527

pelvic masses: aspiration biopsy with transrectal US guidance, Savader BL; Hamper UM; Sheth S; Ballard RL; Sanders RC, Radiology 1990; **176:** 351

phase II study of multiple daily fractionations in the palliation of advanced pelvic malignancies: preliminary report of RTOG 8502, Spanos W Jr; Guse C; Perez C; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 659

recurrent tumors of the head and neck, pelvis, and chest wall: treatment with hyperthermia and brachytherapy, Rafla S; Parikh K; Tchelebi M; Youssef E; Selim H; Bishay S, Radiology 1989; **172:** 845

surgical transposition of the ovary: radiologic appearance, Bashist B; Friedman WN; Killackey MA, Radiology 1989; **173:** 857

transabdominal and transvaginal sonography of pelvic masses, Fleischer AC; Gordon AN; Entman SS, Ultrasound Med Biol 1989; **15:** 529

ultrasound-guided transvaginal biopsy of malignant cystic pelvic mass, Fornage BD; O'Keeffe F, J Ultrasound Med 1990; **9:** 53

value of MR imaging in distinguishing leiomyomas from other solid pelvic masses when sonography is indeterminate, Weinreb JC; Barkoff ND; Megibow A; et al, AJR 1990; **154:** 295

Pelvic organs, prolapse

pelvic floor descent in women: dynamic evaluation with fast MR imaging and cinematic display, Yang A; Mostwin JL; Rosenshein NB; Zerhouni EA, Radiology 1991; **179:** 25

Pelvic organs, radiography

descent of the bladder neck: a urographic finding in denervation of the urethral sphincter in children with myelodysplasia, Zerin JM; Lebowitz RL; Bauer SB, Radiology 1990; **174:** 833

Pelvic organs, radionuclide studies

"warm" sacroiliac joint: a finding in pelvic abscess, Slavin JD Jr; Epstein N; Negrin JA; et al, Clin Nucl Med 1990; **15:** 644

Pelvic organs, therapeutic radiology

clinical use of a wing field with transmission block for the treatment of the pelvis including the inguinal node, Kalend AM; Park TL; Wu A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 153

decreasing gastrointestinal morbidity with the use of small bowel contrast during treatment planning for pelvic irradiation, Herbert SH; Curran WJ Jr; Solin LJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 835

insufficiency fractures of the sacrum after radiotherapy for gynaecological malignancy, Lundin B; Björkholm E; Lundell M; et al, Acta Oncol 1990; **29:** 211

is pelvic irradiation necessary in stage III_1A Hodgkin's disease?, Hartsell WF; Farah R; Murthy AK; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 715

phase II study of multiple daily fractionations in the palliation of advanced pelvic malignancies: preliminary report of RTOG 8502, Spanos W Jr; Guse C; Perez C; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 659

surgical transposition of the ovaries: imaging findings in 14 patients, Kier R; Chambers SK, AJR 1989; **153:** 1003

surgical transposition of the ovary: radiologic appearance, Bashist B; Friedman WN; Killackey MA, Radiology 1989; **173:** 857

transperineal templates for brachytherapy treatment of pelvic malignancies—a comparison of standard and customized templates, Bentel GC; Oleson JR; Clarke-Pearson D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 751

Pelvic organs, US

appraisal of pelvic ultrasound: a survey of gynecologists, Hammond DI; Kotwall ZA; Walop W; et al, J Canad Assoc Radiol 1989; **40:** 308

assessment of abnormal pelvic blood flow by transvaginal color and pulsed Doppler, Kurjak A; Zalud I; Alfirević Ž; et al, Ultrasound Med Biol 1990; **16:** 437

definition of anatomical planes for use in transvaginal sonography, Dodson MG; Deter RL, JCU 1990; **18:** 239

definition of normal female pelvic floor anatomy using ultrasonographic techniques, Benson JT; Sumners JE; Pittman JS, JCU 1991; **19:** 275

diagnostic imaging of gynecological diseases: the clinician's view, Camilien LD; Boyce JG, Urol Radiol 1991; **13:** 3

Doppler ultrasound in the nonpregnant pelvis, Farquhar CM; Rae T; Thomas DC; et al, J Ultrasound Med 1989; **8:** 451

gynecologic vascular abnormalities: diagnosis with Doppler US, Jain KA; Jeffrey RB Jr; Sommer FG, Radiology 1991; **178:** 549

hemodynamic evaluation of the female pelvic vessels using a high-frequency transvaginal image-directed Doppler system, Thaler I; Manor D; Rottem S; et al, JCU 1990; **18:** 364

management of persistent clear pelvic cysts diagnosed by ultrasonography, (ab), Hurwitz A; Yagel S; Zion I; et al, Radiology 1989; **171:** 882

new applications of pelvic sonography, Fleischer AC, Urol Radiol 1991; **13:** 9

pelvic inflammatory disease: endovaginal sonography with laparoscopic correlation, Patten RM; Vincent LM; Wolner-Hanssen P; et al, J Ultrasound Med 1990; **9:** 681

pelvic masses: aspiration biopsy with transrectal US guidance, Savader BL; Hamper UM; Sheth S; Ballard RL; Sanders RC, Radiology 1990; **176:** 351

prospective comparison of transabdominal and transvaginal ultrasound with surgical findings in gynecologic disease, Andolf E; Jörgensen C, J Ultrasound Med 1990; **9:** 71

small, deep pelvic abscesses: definition and drainage guided with an endovaginal probe, VanDerKolk HL, Radiology 1991; **181:** 283

sonographic detection of fluid in the cul-de-sac in children—a normal finding?, Jequier S; Rousseau O, J Canad Assoc Radiol 1989; **40:** 266

total abdominal and pelvic ultrasound: incidental findings and a comparison between outpatient and general practice referrals in 1000 cases, Mills P; Joseph AEA; Adam EJ, Br J Radiol 1989; **62:** 974

transabdominal and transvaginal sonography of pelvic masses, Fleischer AC; Gordon AN; Entman SS, Ultrasound Med Biol 1989; **15:** 529

transabdominal versus endovaginal pelvic sonography: prospective study, Tessler FN; Schiller VL; Perrella RR; Sutherland ML; Grant EG, Radiology 1989; **170:** 553

transvaginal color Doppler imaging, Kurjak A; Jurkovic D; Alfirevic Z; et al, JCU 1990; **18:** 227

transvaginal imaging: applied physical principles and terms, Thaler I; Manor D, JCU 1990; **18:** 235

transvaginal sonographic technique: targeted organ scanning without resorting to "planes", Rottem S; Thaler I; Goldstein SR; et al, JCU 1990; **18:** 243

transvaginal sonography in postmenopausal women, Schoenfeld A; Levavi H; Hirsch M; et al, JCU 1990; **18:** 350

transvaginal ultrasonography in the diagnosis and treatment of infertility, Itskovitz J; Boldes R; Levron J; et al, JCU 1990; **18:** 248

ultrasonography shows no abnormality of pelvic structures in women with severe idiopathic constipation, (ab), Kamm MA; McLean A; Farthing MJG; et al, Radiology 1990; **175:** 289

US-guided transvaginal drainage of pelvic abscesses and fluid collections, vanSonnenberg E; D'Agostino HB; Casola G; Goodacre BW; Sanchez RB; Taylor B, Radiology 1991; **181:** 53

Pelvimetry

See Pelvis, measurement

Pelvis

See also Pelvic organs; names of specific pelvic bones and organs

Pelvis, abnormalities

diffuse idiopathic skeletal hyperostosis: diagnostic significance of radiographic abnormalities of the pelvis, Haller J; Resnick D; Miller CW; Schils JP; Kerr R; Bielecki D; Sartoris DJ; Gundry CR, Radiology 1989; **172:** 835

pelvic digit: CT correlation and review of the literature, Nguyen VD; Matthes JD; Wunderlich CC, Comput Med Imag Graph 1990; **14:** 127

Pelvis, CT

improvement in CT pelvimetry, Wiesen EJ; Crass JR; Bellon EM; Ashmead GG; Cohen AM, Radiology 1991; **178:** 259

Pelvis, fractures

CT diagnosis of bowel herniation at pelvic fracture site, Catsikis BD; French WM; Norcus G; et al, JCAT 1989; **13:** 148

fracture of the pelvis: current concepts of classification, Young JWR; Resnik CS, AJR 1990; **155:** 1169

iliac insufficiency fractures, Davies AM; Bradley SA, Br J Radiol 1991; **64:** 305

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

pelvic ring disruptions: effective classification system and treatment protocols, (ab), Burgess AR; Eastridge BJ; Young J; et al, JVIR 1990; **1:** 141

Pelvis, injuries

diagnostic imaging of pelvic and chest wall trauma, Heare MM; Heare TC; Gillespy T III, Radiol Clin North Am 1989; **27:** 873

traumatised ischial apophysis (report of six cases), Kozlowski K; Campbell JB; Azouz EM, Australas Radiol 1989; **33:** 140

Pelvis, measurement

CT pelvimetry: the foveae are not an accurate landmark for the level of the ischial spines, Aronson D; Kier R, AJR 1991; **156:** 527

fetal dose estimates for CT pelvimetry, Moore MM; Shearer DR, Radiology 1989; **171:** 265

improvement in CT pelvimetry, Wiesen EJ; Crass JR; Bellon EM; Ashmead GG; Cohen AM, Radiology 1991; **178:** 259

Pelvis, MR

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; **9:** 407

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

Pelvis, neoplasms

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

Pelvis, radionuclide studies

pelvic hematoma diagnosed on technetium-99m methylene diphosphanate bone imaging, Park C; LaRoy L; Ali A; et al, Clin Nucl Med 1989; **14:** 139

response of osteosarcoma and Ewing sarcoma to preoperative chemotherapy: assessment with dynamic and static MR imaging and skeletal scintigraphy, Erlemann R; Sciuk J; Bosse A; Ritter J; Kusnierz-Glaz CR; Peters PE; Wuisman P, Radiology 1990; **175:** 791

Penis

development of fibrotic penile lesions secondary to the intracorporeal injection of vasoactive agents, (ab), Corriere JN Jr; Fishman IJ; Benson GS; et al, Radiology 1989; **171:** 292

"high-flow" priapism: treatment with superselective transcatheter embolization, Walker TG; Grant PW; Goldstein I; Krane RJ; Greenfield AJ, Radiology 1990; **174:** 1053

human penile ossification: a case report and review of the literature, Frank RG; Gerard PS; Wise GJ, Urol Radiol 1989; **11:** 179

intracorporeal calcifications after self-injection of papaverine, Pery M; Rosenberger A; Kaftori JK; Vardi Y, Radiology 1990; **176:** 81

Penis, angiography

arteriogenic impotence: findings in 195 impotent men examined with selective internal pudendal angiography: young investigator's award, Rosen MP; Greenfield AJ; Walker TG; Grant P; Guben JK; Dubrow J; Bettmann MA; Goldstein I, Radiology 1990; **174:** 1043

correlation between penile angiography and duplex scanning of cavernous arteries in impotent men, (ab), Rajfer J; Canan V; Dorey FJ; et al, Radiology 1991; **178:** 293

glans ischemia after penis revascularization: therapeutic embolization, Wilms G; Oyen R; Claes L; et al, Cardiovasc Intervent Radiol 1990; **13:** 304

selective penile venography: anatomical and hemodynamic observations, (ab), Bookstein JJ; Lurie AL, Radiology 1989; **170:** 585

Penis, cavernosography

anatomy of penile venous drainage in potent and impotent men during cavernosography, (ab), Fuchs AM; Mehringer CM; Rajfer J, Radiology 1990; **174:** 292

ioxaglate: contraindicated for penile cavernosography?, Mulligan JS Jr, Radiology 1990; **174:** 286

ioxaglate: contraindicated for penile cavernosography?: reply, Bookstein JJ, Radiology 1990; **174:** 286

penile vein ligation for corporeal incompetence: an evaluation of short-term and long-term results, (ab), Rossman B; Mieza M; Melman A, JVIR 1991; **2:** 300

prevalence of corporeal venous leakage in impotent men, (ab), Rajfer J; Rosciszewski A; Mehringer M, Radiology 1989; **170:** 585

role of dynamic corpora cavernosography in the management of impotence, Glancy JJ; Wisniewski ZS; Earle CM; et al, Australas Radiol 1989; **33:** 128

Penis, diseases

duplex ultrasound findings in men with Peyronie's disease, Lopez JA; Jarow JP, Urol Radiol 1991; **12:** 199

ultrasonography and radiography in the diagnosis of Peyronie's disease, Pohar SS; Jackson FI; Glazebrook GA, J Canad Assoc Radiol 1990; **41:** 369

Penis, MR

penile hemangioma: US and MR imaging demonstration, Kim SH; Lee SE; Han MC, Urol Radiol 1991; **13:** 126

Penis, neoplasms

carcinoma penis, Sandeman TF, Australas Radiol 1990; **34:** 12

combined bleomycin and radiation treatment of penile carcinoma, Maiche AG, Acta Oncol 1989; **28:** 548

risk of cervical cancer among wives of men with carcinoma of the penis, Maiche AG; Pyrhönen S, Acta Oncol 1990; **29:** 569

ultrasound in penile cancer, Yamashita T; Ogawa A, Urol Radiol 1989; **11:** 174

Penis, prostheses

penile prosthetic implants: a radiographic atlas, Hovsepian DM; Amis ES Jr, Radiographics 1989; **9:** 707

radiology of penile prostheses, Cohan RH; Dunnick NR; Carson CC, AJR 1989; **152:** 925

Penis, radionuclide studies

combined technetium radioisotope penile plethysmography and xenon washout: a technique for evaluating corpora cavernosal inflow and outflow during early tumescence, Schwartz AN; Graham MM, J Nucl Med 1991; **32:** 404

diagnostic value of the radioisotope erection penogram for vasculogenic impotence, (ab), Kim SC; Kim KB; Oh CH, Radiology 1991; **180:** 294

radionuclide studies in impotence, Hilson AJW; Lewis CA, Semin Nucl Med 1991; **21:** 159

^{99m}Tc penile scan: an investigative modality in priapism, Hashmat AI; Raju S; Singh I; et al, Urol Radiol 1989; **11:** 58

Penis, US

assessment of normal and abnormal erectile function: color Doppler flow sonography versus conventional techniques, Schwartz AN; Lowe M; Berger RE; Wang KY; Mack LA; Richardson ML, Radiology 1991; **180:** 105

color Doppler sonography in the evaluation of erectile dysfunction: patterns of temporal response to papaverine, Fitzgerald SW; Erickson SJ; Foley WD; et al, AJR 1991; **157:** 331

comparison of selective internal iliac pharmacoangiography, penile brachial index and duplex sonography with pulsed Doppler analysis for the evaluation of vasculogenic (arteriogenic) impotence, (ab), Mueller SC; Wallenberg-Pachaly HV; Voges GE; et al, Radiology 1991; **178:** 293

determination of erectile penile volume by ultrasonography, (ab), Nelson RP; Lue TF, Radiology 1989; **173:** 588

duplex and color Doppler sonographic evaluation of vasculogenic impotence, Quam JP; King BF; James EM; et al, AJR 1989; **153:** 1141

duplex ultrasound findings in men with Peyronie's disease, Lopez JA; Jarow JP, Urol Radiol 1991; **12:** 199

evaluation of normal erectile function with color flow Doppler sonography, Schwartz AN; Wang KY; Mack LA; et al, AJR 1989; **153:** 1155

evaluation of vasculogenic erectile impotence using penile duplex ultrasonography, (ab), Shabsigh R; Fishman IJ; Quesada ET; et al, Radiology 1990; **176:** 295

fractured penis: sonographic aid to diagnosis, Forman HP; Rosenberg HK; Snyder HM III, AJR 1989; **153:** 1009

high resolution ultrasonography and pulsed wave Doppler for detection of corporovenous incompetence in erectile dysfunction, (ab), Vickers MA Jr; Benson CB; Richie JP, Radiology 1991; **178:** 293

intracorporeal calcifications after self-injection of papaverine, Pery M; Rosenberger A; Kaftori JK; Vardi Y, Radiology 1990; **176:** 81

papaverine-induced penile blood flow acceleration in impotent men measured by duplex scanning, (ab), Mellinger BC; Fried JJ; Vaughan ED Jr, Radiology 1991; **180:** 589

penile blood flow changes in the flaccid and erect state in potent young men measured by duplex scanning, (ab), Mellinger BC; Vaughan ED Jr, Radiology 1991; **179:** 886

penile duplex sonography in the diagnosis of venogenic impotence, (ab), Bassiouny HS; Levine LA, Radiology 1991; **180:** 589

penile hemangioma: US and MR imaging demonstration, Kim SH; Lee SE; Han MC, Urol Radiol 1991; **13:** 126

penis, Doubilet PM; Benson CB; Silverman SG; et al, Semin US CT MR 1991; **12:** 157

role of duplex sonography in the evaluation of sexual impotence, Paushter DM, AJR 1989; **153:** 1161

sexual impotence caused by vascular disease: diagnosis with duplex sonography, Benson CB; Vickers MA, AJR 1989; **153:** 1149

sonography of the male genital tract, Benson CB; Doubilet PM; Richie JP, AJR 1989; **153:** 705

ultrasonography and radiography in the diagnosis of Peyronie's disease, Pohar SS; Jackson FI; Glazebrook GA, J Canad Assoc Radiol 1990; **41:** 369

ultrasound in penile cancer, Yamashita T; Ogawa A, Urol Radiol 1989; **11:** 174

vasculogenic impotence: duplex and color Doppler imaging, Hattery RR; King BF Jr; Lewis RW; et al, Radiol Clin North Am 1991; **29:** 629

Peptic ulcer

coarse mucosal folds in the duodenum: a twenty-year follow-up, Clements R; Evans KT; Rhodes J, Clin Radiol 1990; **41:** 421

distal common bile duct stenosis secondary to benign duodenal ulceration: report of a case, Van Steenbergen W; Ponette E; Marchal G; et al, Gastrointest Radiol 1990; **15:** 215

echogenic focus in the gastrointestinal wall as a sign of ulceration, Martinez-Noguera A; Mata J; Matias-Guiu X; et al, Gastrointest Radiol 1989; **14:** 295

hepatic penetration by duodenal ulcer: sonographic diagnosis, Mostbeck GH; Mallek R; Gebauer A; et al, JCU 1990; **18:** 726

heterotopic gastric mucosa in the duodenal bulb: relationship to peptic ulcer, Smithuis RHM; Vos CG, AJR 1989; **152:** 59

impact of endoscopy on mortality from occult cancer in radiographically benign gastric ulcers: a probability analysis model, (ab), Erickson RA, Radiology 1989; **170:** 899

intermittent bleeding in a patient with multiple ulcerations near the terminal ileum visualized on Tc-99m RBC gastrointestinal imaging, Morita S; Ishibashi M; Hirayama T; et al, Clin Nucl Med 1990; **15:** 923

intramural and intraperitoneal hemorrhage due to duodenal ulcer, Radin DR, AJR 1991; **157:** 45

nonsteroidal anti-inflammatory drug use and increased risk for peptic ulcer disease in elderly persons, (ab), Griffin MR; Piper JM; Daugherty JR; et al, Radiology 1991; **180:** 882

peptic ulcer disease in children: etiology, clinical findings, and clinical course, (ab), Drumm B; Rhoads JM; Stringer DA; et al, Radiology 1989; **171:** 592

ultrasonic features of duodenal ulcer, Tuncel E, Gastrointest Radiol 1990; **15:** 207

Peptic ulcer, complications

all perforated ulcers are not alike, (ab), Horowitz J; Kukora JS; Ritchie WP, Radiology 1990; **174:** 289

endoscopic hemostasis: an effective therapy for bleeding peptic ulcers, (ab), Sacks HS; Chalmers TC; Blum AL; et al, JVIR 1990; **1:** 139

heat probe thermocoagulation as a substitute for surgical intervention to arrest massive peptic ulcer hemorrhage: an experience in 153 cases, (ab), Lin H-J; Lee F-Y; Chan C-Y; et al, JVIR 1990; **1:** 139

hepatic penetration by duodenal ulcer: sonographic diagnosis, Mostbeck GH; Mallek R; Gebauer A; et al, JCU 1990; **18:** 726

nonsteroidal anti-inflammatory drug use and death from peptic ulcer in elderly persons, (ab), Griffin MR; Ray WA; Schaffner W, Radiology 1989; **171:** 585

peptic ulcer disease: CT evaluation, Jacobs JM; Hill MC; Steinberg WM, Radiology 1991; **178:** 745

peptic ulcer-induced gastroaortic fistula: difficulty in making the diagnosis with selective angiography, Rasuli P; Hammond DI; Eidus LB; et al, J Canad Assoc Radiol 1990; **41:** 151

transnasogastric drainage of a perforated duodenal ulcer: technical note, Sheline M; Ball DS; Evers KA, Cardiovasc Intervent Radiol 1990; **13:** 55

Peptic ulcer, diagnosis

peptic ulcer disease: CT evaluation, Jacobs JM; Hill MC; Steinberg WM, Radiology 1991; **178:** 745

Peptic ulcer, radionuclide studies

quantification of *Helicobacter pylori* infection in gastritis and ulcer disease using a simple and rapid carbon-14-urea breath test, Debongnie JC; Pauwels S; Raat A; et al, J Nucl Med 1991; **32:** 1192

radionuclide detection of duodenal ulcer perforation, Applegate GR; Braunstein P; Wang F, J Nucl Med 1989; **30:** 700

Peptic ulcer, US

fluid-aided sonography of the stomach and duodenum in the diagnosis of peptic ulcer disease in adult patients, Joharjy IA; Mustafa MA; Zaidi AJ, J Ultrasound Med 1990; **9:** 77

gastric fluid detected by sonography in fasting patients: relation to duodenal ulcer disease and gastric-outlet obstruction, Smithuis RHM; Op den Orth JO, AJR 1989; **153:** 731

sonographic demonstration of free air in perforated peptic ulcers: comparison of sonography with radiography, Chang-Chien C-S; Lin H-H; Yen C-L; et al, JCU 1989; **17:** 95

ultrasonography of benign gastric ulcers: characteristic features and sequential follow-ups, Tomooka Y; Onitsuka H; Goya T; et al, J Ultrasound Med 1989; **8:** 513

Perfluorooctylbromide
intraluminal contrast enhancement and MR visualization of the bowel wall: efficacy of PFOB, Rubin DL; Muller HH; Nino-Murcia M; Sidhu M; Christy V; Young SW, JMRI 1991; **1:** 371
in vivo estimation of perfluorooctylbromide concentration in tissues, Mattrey RF; Nemcek AA Jr; Shelton R; et al, Invest Radiol 1990; **25:** 915
perfluorooctylbromide as a gastrointestinal contrast agent for MR imaging: use with and without glucagon, Brown JJ; Duncan JR; Heiken JP; Balfe DM; Corr AP; Mirowitz SA; Eilenberg SS; Lee JKT, Radiology 1991; **181:** 455
perfluorooctylbromide: a new contrast agent for CT, sonography, and MR imaging, Mattrey RF, AJR 1989; **152:** 247
physical and acoustical properties of perfluorooctylbromide, an ultrasound contrast agent, André M; Nelson T; Mattrey R, Invest Radiol 1990; **25:** 983
physiologic basis of the radiodense renal medulla after the administration of blood pool contrast agent PFOB, Coley BD; Mattrey RF; Mitten RM; et al, Invest Radiol 1990; **25:** 1287
sonographic enhancement of Doppler signals and perfused tissues with perfluorooctylbromide, Mattrey RF, Invest Radiol 1990; **25:** S158

Pericarditis
complications of automatic implantable cardioverter defibrillators: radiographic, CT, and echocardiographic evaluation, Goodman LR; Almassi GH; Troup PJ; Gurney JW; Veseth-Rogers J; Chapman PD; Wetherbee JN, Radiology 1989; **170:** 447
computed tomography and magnetic resonance imaging of the pericardium, Olson MC; Posniak HV; McDonald V; Wisniewski R; Moncada R, Radiographics 1989; **9:** 633
constrictive pericarditis causing a positive Tl-201 SPECT stress test for myocardial ischemia, Matthews RJ; Lightfoote J; Grusd RS, Clin Nucl Med 1990; **15:** 548
imaging of pediatric mediastinal histoplasmosis, Kirchner SG; Hernanz-Schulman M; Stein SM; Wright PF; Heller RM, Radiographics 1991; **11:** 365
imaging pericardial disease, Miller SW, Radiol Clin North Am 1989; **27:** 1113
inhomogeneous enhancement of liver parenchyma secondary to passive congestion: contrast-enhanced CT, Holley HC; Koslin DB; Berland LL; Stanley RJ, Radiology 1989; **170:** 795
pericarditis in acute myocardial infarction: characterization and clinical significance, (ab), Tofler GH; Muller JE; Stone PH; et al, Radiology 1989; **173:** 586

Pericardium
chest injury in children with blunt abdominal trauma: evaluation with CT, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **171:** 815

Pericardium, CT
computed tomography and magnetic resonance imaging of the pericardium, Olson MC; Posniak HV; McDonald V; Wisniewski R; Moncada R, Radiographics 1989; **9:** 633
CT and MR evaluation of pericardial and retrosternal adhesions after cardiac surgery, Duvernoy O; Malm T; Thuomas K-A; et al, JCAT 1991; **15:** 555
CT diagnosis of acute pericardial tamponade after blunt chest trauma, Goldstein L; Mirvis SE; Kostrubiak IS; et al, AJR 1989; **152:** 739
CT diagnosis of traumatic pericardium rupture, Kirsch JD; Escarous A, JCAT 1989; **13:** 523
mesothelioma of the pericardium: CT and MR findings, Vogel HJP; Wondergem JHM; Falke THM, JCAT 1989; **13:** 543
percutaneous catheter drainage for malignant pericardial effusion, Gatenby RA; Hartz WH; Kessler HB, JVIR 1991; **2:** 151

Pericardium, cysts
case report: misdiagnosis of an atypical pericardial cyst presenting in a patient with chest trauma, Tung KT; Chan O, Clin Radiol 1991; **43:** 272
computed tomography and magnetic resonance imaging of the pericardium, Olson MC; Posniak HV; McDonald V; Wisniewski R; Moncada R, Radiographics 1989; **9:** 633

Pericardium, effusion
See Pericardium, fluid

Pericardium, fluid
computed tomography and magnetic resonance imaging of the pericardium, Olson MC; Posniak HV; McDonald V; Wisniewski R; Moncada R, Radiographics 1989; **9:** 633
delayed appearance of localized pericardial effusion after cardiac surgery, Miyake H; Iwanaga S; Suzuki K; et al, AJR 1991; **157:** 19
effusion in the superior pericardial recess simulating a mediastinal mass, Winer-Muram HT; Gold RE, AJR 1990; **154:** 69
external radiotherapy in the management of malignant pericardial effusion, Fairlamb DJ, Clin Radiol 1989; **40:** 307
percutaneous catheter drainage for malignant pericardial effusion, Gatenby RA; Hartz WH; Kessler HB, JVIR 1991; **2:** 151
percutaneous ultrasound-guided management of pericardial fluid, Sanders WHJ; Lampmann LEH, Eur J Radiol 1991; **12:** 147
pericardial effusion after cardiac surgery: incidence, relation to the type of surgery, antithrombotic therapy, and early coronary bypass graft patency, (ab), Ikäheimo MJ; Huikuri HV; Airaksinen J; et al, Radiology 1989; **171:** 590
pericardial effusion and pericardial compartments after open heart surgery: an analysis by computed tomography and echocardiography, Duvernoy O; Larsson SG; Persson K; et al, Acta Radiol 1990; **31:** 41
retroperitoneal–pericardial fistula caused by a perinephric abscess, Pery M; Adler OB; Kaftori JK, Urol Radiol 1990; **12:** 22
ultrasound guidance for pericardiocentesis, Taavitsainen M; Bondestam S; Mankinen P; et al, Acta Radiol 1991; **32:** 9
usefulness of nuclear magnetic resonance imaging for evaluation of pericardial effusions, and comparison with two-dimensional echocardiography, (ab), Mulvagh SL; Rokey R; Vick GW III; et al, Radiology 1990; **175:** 884

Pericardium, inflammation
See Pericarditis

Pericardium, MR
computed tomography and magnetic resonance imaging of the pericardium, Olson MC; Posniak HV; McDonald V; Wisniewski R; Moncada R, Radiographics 1989; **9:** 633
CT and MR evaluation of pericardial and retrosternal adhesions after cardiac surgery, Duvernoy O; Malm T; Thuomas K-A; et al, JCAT 1991; **15:** 555
mesothelioma of the pericardium: CT and MR findings, Vogel HJP; Wondergem JHM; Falke THM, JCAT 1989; **13:** 543
spin echo MRI in the evaluation of pericardial disease, Kastler B; Germain P; Dietemann JL; et al, Comput Med Imag Graph 1990; **14:** 241
usefulness of nuclear magnetic resonance imaging for evaluation of pericardial effusions, and comparison with two-dimensional echocardiography, (ab), Mulvagh SL; Rokey R; Vick GW III; et al, Radiology 1990; **175:** 884

Pericardium, neoplasms
computed tomography and magnetic resonance imaging of the pericardium, Olson MC; Posniak HV; McDonald V; Wisniewski R; Moncada R, Radiographics 1989; **9:** 633
computed tomography of cardiac and pericardial tumors, Dawson WB; Mayo JR; Müller NL, J Canad Assoc Radiol 1990; **41:** 270
external radiotherapy in the management of malignant pericardial effusion, Fairlamb DJ, Clin Radiol 1989; **40:** 307
management of a fetus with intrapericardial teratoma diagnosed in utero, Todros T; Gaglioti P; Presbitero P, J Ultrasound Med 1991; **10:** 287

Pericardium, radionuclide studies
constrictive pericarditis causing a positive Tl-201 SPECT stress test for myocardial ischemia, Matthews RJ; Lightfoote J; Grusd RS, Clin Nucl Med 1990; **15:** 548
indium-111 WBC imaging in a pericardial abscess, Peterdy AE, Clin Nucl Med 1989; **14:** 541

Pericardium, surgery
pericardial effusion and pericardial compartments after open heart surgery: an analysis by computed tomography and echocardiography, Duvernoy O; Larsson SG; Persson K; et al, Acta Radiol 1990; **31:** 41
sonographic diagnosis of blunt trauma causing delayed hemopericardium and cardiac tamponade, Indrani S; Raji V; Kalyani N; et al, J Ultrasound Med 1991; **10:** 291
surgical defects of the pericardium: radiographic findings, Takasugi JE; Godwin JD, AJR 1989; **152:** 951

Pericardium, US
percutaneous catheter drainage for malignant pericardial effusion, Gatenby RA; Hartz WH; Kessler HB, JVIR 1991; **2:** 151
ultrasound guidance for pericardiocentesis, Taavitsainen M; Bondestam S; Mankinen P; et al, Acta Radiol 1991; **32:** 9

Periosteum
periosteal new bone formation in chronic renal failure, Parnell AP; Simpson W; Ward MK, Clin Radiol 1989; **40:** 490
pseudomalignant, nonneoplastic osseous soft-tissue tumors of the hand and foot, Schütte HE; van der Heul RO, Radiology 1990; **176:** 149

Periosteum, inflammation
See Periostitis

Periostitis
frequency and diagnostic significance of periostitis in chondroblastoma, Brower AC; Kransdorf MJ; Moser RP Jr, AJR 1990; **154:** 309
magnetic resonance imaging detection of early experimental periostitis: comarison of magnetic resonance imaging, computed tomography, and plain radiography with histopathologic correlation, Spaeth HJ; Chandnani VP; Beltran J; et al, Invest Radiol 1991; **26:** 304
massive florid reactive periostitis, Nance KV; Renner JB; Brashear HR; et al, Pediatr Radiol 1990; **20:** 186
pediatric yaws osteoperiostitis, Vanthournout I; Quinet B; Neuenschwander S, Pediatr Radiol 1991; **21:** 303
periostitis due to low-dose fluoride intoxication demonstrated by bone scanning, Weingrad TR; Eymontt MJ; Martin JH; et al, Clin Nucl Med 1991; **16:** 59

Peritoneum
pelvic endometriosis: MR imaging, Arrivé L; Hricak H; Martin MC, Radiology 1989; **171:** 687

Peritoneum, calcification
extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584
extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

Peritoneum, CT
blunt trauma in children: significance of peritoneal fluid, Sivit CJ; Taylor GA; Bulas DI; Bowman LM; Eichelberger MR, Radiology 1991; **178:** 185
computed tomography and diagnostic peritoneal lavage in blunt abdominal trauma: their combined role, (ab), Kearney PA; Vahey T; Burney RE; et al, Radiology 1989; **173:** 289
CT demonstration of peritoneal metastases after intraperitoneal injection of contrast media, Giunta S; Tipaldi L; Diotellevi F; et al, Clin Imag 1990; **14:** 31
CT peritoneography in peritoneal dialysis patients, Osborne TM, Australas Radiol 1990; **34:** 204
intraperitoneal contrast material improves the CT detection of peritoneal metastases, Halvorsen RA Jr; Panushka C; Oakley GJ; et al, AJR 1991; **157:** 37
primary peritoneal neuroblastoma: computed tomography findings, McDonnell CH III; McLeod M; Baker ME, Clin Imag 1990; **14:** 41
renal cell carcinoma presenting with diffuse peritoneal metastases: CT findings, Tartar VM; Heiken JP; McClennan BL, JCAT 1991; **15:** 450

traumatic pneumoperitoneum: implications of computed tomography diagnosis, Kane NM; Francis IR; Burney RE; et al, Invest Radiol 1991; **26:** 574

Peritoneum, fluid

blunt trauma in children: significance of peritoneal fluid, Sivit CJ; Taylor GA; Bulas DI; Bowman LM; Eichelberger MR, Radiology 1991; **178:** 185

diagnostic value of ferritin in malignant pleural and peritoneal effusions, (ab), Yinnon A; Konijn AM; Link G; et al, Radiology 1989; **172:** 296

ultrasonographic detection of free peritoneal fluid in uncomplicated intussusception, Swischuk LE; Stansberry SD, Pediatr Radiol 1991; **21:** 350

Peritoneum, hemorrhage

bleeding complications of femoral catheterization: CT evaluation, Trerotola SO; Kuhlman JE; Fishman EK, Radiology 1990; **174:** 37

exophytic spread of hepatobiliary disease via perihepatic ligaments: demonstration with CT and US, Mori H; Aikawa H; Hirao K; Futagawa S; Fukuda T; Maeda H; Hayashi K, Radiology 1989; **172:** 41

exophytic spread of hepatobiliary disease via perihepatic ligaments, Oliphant M; Berne AS, Radiology 1989; **173:** 879

haemoperitoneum secondary to spontaneous rupture of hepatocellular carcinoma: CT diagnosis, Pombo F; Arrojo L; Perez-Fontan J, Clin Radiol 1991; **43:** 321

intramural and intraperitoneal hemorrhage due to duodenal ulcer, Radin DR, AJR 1991; **157:** 45

pancreatic microcystic adenoma presenting with acute hemoperitoneum: CT diagnosis, Rubin GD; Jeffrey RB Jr; Walter JF, AJR 1991; **156:** 749

Peritoneum, inflammation

See Peritonitis

Peritoneum, MR

magnetic resonance imaging of pseudomyxoma peritonei, Buy J-N; Malbec L; Ghossain MA; et al, Eur J Radiol 1989; **9:** 115

pelvic endometriosis: MR imaging, Arrivé L; Hricak H; Martin MC, Radiology 1989; **171:** 687

Peritoneum, neoplasms

CT demonstration of peritoneal metastases after intraperitoneal injection of contrast media, Giunta S; Tipaldi L; Diotellevi F; et al, Clin Imag 1990; **14:** 31

CT manifestations of peritoneal leiomyosarcomatosis, Choi BI; Lee WJ; Chi JG; et al, AJR 1990; **155:** 799

cystic mesothelioma of the peritoneum, O'Neil JD; Ros PR; Storm BL; Buck JL; Wilkinson EJ, Radiology 1989; **170:** 333

double contrast barium enema combined with non-invasive imaging in peritoneal mesothelioma, Cozzi G; Bellomi M; Frigerio LF; et al, Acta Radiol 1989; **30:** 21

intraperitoneal contrast material improves the CT detection of peritoneal metastases, Halvorsen RA Jr; Panushka C; Oakley GJ; et al, AJR 1991; **157:** 37

peritoneal carcinomatosis with ascites, Goerg C; Schwerk W-B, AJR 1991; **156:** 1185

primary peritoneal neuroblastoma: computed tomography findings, McDonnell CH III; McLeod M; Baker ME, Clin Imag 1990; **14:** 41

renal cell carcinoma presenting with diffuse peritoneal metastases: CT findings, Tartar VM; Heiken JP; McClennan BL, JCAT 1991; **15:** 450

sonographic features of benign intraperitoneal lipomatous tumors in children—report of 4 cases, Prando A; Wallace S; Marins JLC; et al, Pediatr Radiol 1990; **20:** 571

well-differentiated papillary mesothelioma of the peritoneum, Lovell FA; Cranston PE, AJR 1990; **155:** 1245

Peritoneum, radionuclide studies

clinical utility of the Tc-99m SC intraperitoneal scan in CAPD patients, Berman C; Velchik MG; Shusterman N; et al, Clin Nucl Med 1989; **14:** 405

indium-111 white blood cell imaging in suppurative peritonitis, Chandramouly BS; Scagnelli T; Nardi P; et al, Clin Nucl Med 1990; **15:** 268

SPECT of the peritoneal cavity: method for delineating intraperitoneal fluid distribution, Wahl RL; Gyves J; Gross BH; et al, AJR 1989; **152:** 1205

Peritoneum, US

intraabdominal adhesions: intraoperative US, Suslavich FJ; Turner NA; King PS; Brown HK, Radiology 1989; **172:** 387

ultrasound changes in sclerosing peritonitis following continuous ambulatory peritoneal dialysis, Hollman AS; McMillan MA; Briggs JD; et al, Clin Radiol 1991; **43:** 176

Peritonitis

exophytic spread of hepatobiliary disease via perihepatic ligaments: demonstration with CT and US, Mori H; Aikawa H; Hirao K; Futagawa S; Fukuda T; Maeda H; Hayashi K, Radiology 1989; **172:** 41

exophytic spread of hepatobiliary disease via perihepatic ligaments, Oliphant M; Berne AS, Radiology 1989; **173:** 879

indium-111 white blood cell imaging in suppurative peritonitis, Chandramouly BS; Scagnelli T; Nardi P; et al, Clin Nucl Med 1990; **15:** 268

intra-abdominal abscess and peritonitis, Fritze M; Marshall K; Smith EI; et al, Clin Nucl Med 1989; **14:** 296

peritoneal *Echinococcus multilocularis* infection: CT appearance, Taneja K; Gothi R; Kumar K; et al, JCAT 1990; **14:** 493

peritoneal reaction resulting from iodinated contrast material: comparative study, Eisenberg AD; Winfield AC; Page DL; Holburn GE; Schifter T; Segars JH, Radiology 1989; **172:** 149

peritonitis due to rupture of retroperitoneal teratoma: computed tomography diagnosis, Ferrero A; Céspedes M; Cantarero JM; et al, Gastrointest Radiol 1990; **15:** 251

sclerosing encapsulating peritonitis in chronic ambulatory peritoneal dialysis, Holland P, Clin Radiol 1990; **41:** 19

tuberculous peritonitis: ultrasonic diagnosis, Akhan O; Demirkazik FB; Demirkazik A; et al, JCU 1990; **18:** 711

ultrasound changes in sclerosing peritonitis following continuous ambulatory peritoneal dialysis, Hollman AS; McMillan MA; Briggs JD; et al, Clin Radiol 1991; **43:** 176

Petrous bone

See Temporal bone

Phantoms

See also Test objects

analysis of brain and cerebrospinal fluid volumes with MR imaging: part I. methods, reliability, and validation, Kohn MI; Tanna NK; Herman GT; Resnick SM; Mozley PD; Gur RE; Alavi A; Zimmerman RA; Gur RC, Radiology 1991; **178:** 115

assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; **177:** 265

cavitation effects during lithotripsy: part I. results of in vitro experiments, Zeman RK; Davros WJ; Garra BS; Horii SC, Radiology 1990; **177:** 157

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

CT evaluation of solitary pulmonary nodules: value of 185-H reference phantom, Swensen SJ; Harms GF; Morin RL; et al, AJR 1991; **156:** 925

detector for scanned projection radiography, Sones RA; Lauro KL; Cattell CL, Radiology 1990; **175:** 553

device for the calibration of flow-velocity-measuring Doppler ultrasound equipment, Nelson TR; Pretorius DH, J Ultrasound Med 1990; **9:** 575

effect of tank liquid acoustic velocity on Doppler string phantom measurements, Goldstein A, J Ultrasound Med 1991; **10:** 141

estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T, Wright GA; Hu BS; Macovski A, JMRI 1991; **1:** 275

evaluation of lung dose correction methods for photon irradiations of thorax phantoms, El-Khatib EE; Evans M; Pla M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 871

Fourier analysis of cerebrospinal fluid flow velocities: MR imaging study, Thomsen C; Ståhlberg F; Stubgaard M; Nordell B, Radiology 1990; **177:** 659

inconsistencies in mammographic phantoms used for ACR accreditation, Cacak RK, Radiology 1991; **181:** 288

intact stones or fragments? potential pitfalls in the imaging of patients after biliary extracorporeal shock wave lithotripsy, Khouri MR; Goldszmidt JB; Laufer I; Arger P; Marcus A; Wisniewski F; Okberg O; Malet PF, Radiology 1990; **177:** 147

maximization of contrast-to-noise ratio to distinguish diffusion and microcirculatory flow, Maki JH; Benveniste H; MacFall JR; Johnson GA, JMRI 1991; **1:** 39

model simulations of pulmonary edema: phantom studies with computed tomography, Wegenius G, Invest Radiol 1991; **26:** 149

modified iterative model based on data extrapolation method to reduce Gibbs ringing, Amartur S; Haacke EM, JMRI 1991; **1:** 307

MRI signal loss due to microcirculation: phantom studies, Duewell S; Wüthrich R; Buck A; et al, Magn Res Med 1990; **14:** 347

new contrast-detail phantoms for improved precision in lesion detection measurements, Smith SW; Insana MF; Lopez H, Ultrasound Med Biol 1989; **15:** 383

new phantom for mammography, Law J, Br J Radiol 1991; **64:** 116

NMR relaxation of water in hydrogel polymers: a model for tissue, Gore JC; Brown MS; Zhong J; et al, Magn Res Med 1989; **9:** 325

performance tests of Doppler ultrasound equipment with a string phantom, Goldstein A, J Ultrasound Med 1991; **10:** 125

phantom for facilitating in vitro computed tomographic studies of gallstones, Goodsitt MM; Baron RL, Invest Radiol 1991; **26:** 162

preparation of a homemade ultrasound biopsy phantom, McNamara MP Jr; McNamara ME, JCU 1989; **17:** 456

pseudolayering of Gd-DTPA in the urinary bladder, Elster AD; Sobol WT; Hinson WH, Radiology 1990; **174:** 379

quantification of blood flow with dynamic MR imaging and presaturation bolus tracking, Edelman RR; Mattle HP; Kleefield J; Silver MS, Radiology 1989; **171:** 551

radiation exposure to angiographers under different fluoroscopic imaging conditions, Boone JM; Levin DC, Radiology 1991; **180:** 861

renal calculi after shock wave lithotripsy: US evaluation with an in vitro phantom, Choyke PL; Pahira JH; Davros WJ; Nilges E; Dwyer AJ; Mun SK, Radiology 1989; **170:** 39

scatter dose from tangential breast irradiation to the uninvolved breast, Muller-Runkel R; Kalokhe UP, Radiology 1990; **175:** 873

scatter dose from tangential breast irradiation to the uninvolved breast, Chilcote WS, Radiology 1991; **179:** 584

segmented turboFLASH: method for breath-hold MR imaging of the liver with flexible contrast, Edelman RR; Wallner B; Singer A; Atkinson DJ; Saini S, Radiology 1990; **177:** 515

simple phantom for learning needle placement for sonographically guided biopsy, Metzger TS; Silver B; Matalon TAS, AJR 1990; **154:** 847

simple phantom for training in ultrasound-guided needle biopsy using the freehand technique, Fornage BD, J Ultrasound Med 1989; **8:** 701

solitary pulmonary nodules: evaluation with a CT reference phantom, Huston J III; Muhm JR, Radiology 1989; **170:** 653

spin–lattice relaxation time measurements using hybrid CSI—phantom study, Hornak JP; Smith AC; Szumowski J, Magn Res Med 1990; **13:** 398

statistical uncertainty in ultrasonic backscatter and attenuation coefficients determined with a reference phantom, Yao LX; Zagzebski JA; Madsen EL, Ultrasound Med Biol 1991; **17:** 187

strategies to improve contrast in turboFLASH imaging: reordered phase encoding and K-space segmentation, Chien D; Atkinson DJ; Edelman RR, JMRI 1991; **1:** 63

teaching phantom for sonographers, Zagzebski JA; Madsen EL; Frank GR, JCU 1991; **19:** 27

testing ultrasonic pulsed Doppler instruments with a physiologic string phantom, Phillips DJ; Hossack J; Beach KW; et al, J Ultrasound Med 1990; **9:** 429

use of an AAPM DSA phantom in quality assurance, Servomaa A; Björkman J, Eur J Radiol 1989; **9:** 217

Pharmacoangiography

heparin in angiography: current patterns of use, Miller DL, Radiology 1989; **172:** 1007

Pharynx

altered swallowing function in elderly patients without dysphagia: radiologic findings in 56 cases, Ekberg O; Feinberg MJ, AJR 1991; **156:** 1181

interactive computer program for biomechanical analysis of videoradiographic studies of swallowing, Logemann JA; Kahrilas PJ; Begelman J; et al, AJR 1989; **153:** 277

oropharynx in patients with cerebrovascular disease: evaluation with videofluoroscopy, Chen MYM; Ott DJ; Peele VN; Gelfand DW, Radiology 1990; **176:** 641

peristalsis in pharyngeal constrictor musculature in relation to positioning and gravity, Borgström PS; Ekberg O, Acta Radiol 1989; **30:** 183

pharyngeal mucosal space, Parker GD; Harnsberger HR; Jacobs JM, Semin US CT MR 1990; **11:** 460

physiology and radiology of the normal oral and pharyngeal phases of swallowing, Dodds WJ; Stewart ET; Logemann JA, AJR 1990; **154:** 953

topographic representation of the pharyngoesophageal segment during swallowing, Karstoft J; Ekberg O; Rubesin SE, Invest Radiol 1990; **25:** 184

Pharynx, abnormalities

obstructive sleep apnea: diagnosis with ultrafast CT, Galvin JR; Rooholamini SA; Stanford W, Radiology 1989; **171:** 775

radiographic evaluation of velopharyngeal incompetence in childhood, Barr LL; Hayden CK Jr; Hill LC; et al, AJR 1989; **153:** 811

radiologic assessment of abnormal oral and pharyngeal phases of swallowing, Dodds WJ; Logemann JA; Stewart ET, AJR 1990; **154:** 965

Pharynx, anatomy

physiology and radiology of the normal oral and pharyngeal phases of swallowing, Dodds WJ; Stewart ET; Logemann JA, AJR 1990; **154:** 953

radiologic assessment of abnormal oral and pharyngeal phases of swallowing, Dodds WJ; Logemann JA; Stewart ET, AJR 1990; **154:** 965

Pharynx, CT

carcinoma of the hypopharynx: CT staging, Aspestrand F; Kolbenstvedt A; Boysen M, JCAT 1990; **14:** 72

computed tomographic detection of a swallowed denture, McLaughlin MG; Swayne LC; Caruana V, Comput Med Imag Graph 1989; **13:** 161

diagnosis of tumours involving the parapharyngeal space by computed tomography, Whyte AM; Hourihan MD, Br J Radiol 1989; **62:** 526

massive adenopathy in oropharyngeal tularemia; C.T. demonstration, Umias S-L; Jaramillo D, Pediatr Radiol 1990; **20:** 483

normal CT anatomy of the tonque, floor of mouth and oropharynx, Stutley J; Cooke J; Parsons C, Clin Radiol 1989; **40:** 248

obstructive sleep apnea: diagnosis with ultrafast CT, Galvin JR; Rooholamini SA; Stanford W, Radiology 1989; **171:** 775

pharyngeal mucosal space, Parker GD; Harnsberger HR; Jacobs JM, Semin US CT MR 1990; **11:** 460

Pharynx, MR

evaluation of functional positions of tongue and soft palate with MR imaging: initial clinical results, Wein BB; Drobnitzky M; Klajman S; Angerstein W, JMRI 1991; **1:** 381

measurement of pharyngeal volume by digitized magnetic resonance imaging: effect of nasal continuous positive airway pressure, (ab), Abbey NC; Block AJ; Green D; et al, Radiology 1990; **175:** 295

MR imaging of the vocal tract during vowel production, Lakshminarayanan AV; Lee S; McCutcheon MJ, JMRI 1991; **1:** 71

MRI of the floor of the mouth, tongue and orohypopharynx, Kassel EE; Keller MA; Kucharczyk W, Radiol Clin North Am 1989; **27:** 331

MRI of the parapharyngeal space, Cross RR; Shapiro MD; Som PM, Radiol Clin North Am 1989; **27:** 353

pharyngeal mucosal space, Parker GD; Harnsberger HR; Jacobs JM, Semin US CT MR 1990; **11:** 460

Pharynx, neoplasms

carcinoma of the hypopharynx: a retrospective analysis of the treatment results over a 25-year period, Kajanti M; Mäntylä M, Acta Oncol 1990; **29:** 903

carcinoma of the hypopharynx: CT staging, Aspestrand F; Kolbenstvedt A; Boysen M, JCAT 1990; **14:** 72

case report: mesenchymal chondrosarcoma occurring in the parapharyngeal space, Gomersall LN; Needham G, Clin Radiol 1990; **42:** 359

clinical radiobiology of squamous cell carcinoma of the oropharynx, Bentzen SM; Johansen LV; Overgaard J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1197

diagnosis of tumours involving the parapharyngeal space by computed tomography, Whyte AM; Hourihan MD, Br J Radiol 1989; **62:** 526

epidermoid carcinoma of the pharnyx: therapeutic results in a series of 221 patients, Johansen J; Christensen P-H; Jørgensen K; et al, Acta Oncol 1991; **30:** 33

imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1

immunoscintigraphy in laryngeal and pharyngeal carcinomas using indium-111 labelled monoclonal antibody, Kairemo KJA; Hopsu EVM, Acta Oncol 1990; **29:** 533

misonidazole combined with split-course radiotherapy in the treatment of invasive carcinoma of larynx and pharynx: report from the DAHANCA 2 study, Overgaard J; Hansen HS; Andersen AP; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1065

orbit, skull base, and pharynx: contrast-enhanced fat suppression MR imaging, Barakos JA; Dillon WP; Chew WM, Radiology 1991; **179:** 191

oropharynx carcinoma: irradiation alone *versus* induction chemotherapy plus irradiation—5 year results, Calais G; Reynaud-Bougnoux A; Garand G; et al, Br J Radiol 1990; **63:** 340

parapharyngeal meningioma extending from the intracranial space, Uchibori M; Odake G; Ueda S; et al, Neuroradiol 1990; **32:** 53

poorly differentiated naso- and oropharyngeal carcinoma: a retrospective comparison between the results of radiotherapy alone and radiotherapy plus adjuvant methotrexate, Reinfuss M; Skołyszewski J; Radkowski A, Acta Oncol 1991; **30:** 39

surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607

Pharynx, radiography

esophageal insufflation and videofluoroscopy for evaluation of esophageal speech in laryngectomy patients: clinical implications, Sloane PM; Griffin JM; O'Dwyer TP, Radiology 1991; **181:** 433

pharynx: value of oblique projections for radiographic examination, Taylor AJ; Dodds WJ; Stewart ET, Radiology 1991; **178:** 59

Pharynx, stenosis or obstruction

cephalometric analysis for diagnosis and treatment of obstructive sleep apnea, (ab), deBarry-Borowiecki B; Kukwa A; Blanks RHI, Radiology 1989; **170:** 294

deglutition after near-fatal choking episode: radiologic evaluation, Feinberg MJ; Ekberg O, Radiology 1990; **176:** 637

Pharynx, therapeutic radiology

clinical radiobiology of squamous cell carcinoma of the oropharynx, Bentzen SM; Johansen LV; Overgaard J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1197

combined modality treatment of advanced cancers of the oral cavity and oropharynx, Dobrowsky W; Dobrowsky E; Strassl H; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 239

comparison of postoperative techniques for carcinomas of the larynx and hypopharynx using 3-D dose distributions, Sailer SL; Sherouse GW; Chaney EL; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 767

concomitant boost radiotherapy schedules in the treatment of carcinoma of the oropharynx and nasopharynx, Ang KK; Peters LJ; Weber RS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1339

dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx: tumor dose-response and repopulation, Maciejewski B; Withers HR; Taylor JMG; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 831

epidermoid carcinoma of the pharnyx: therapeutic results in a series of 221 patients, Johansen J; Christensen P-H; Jørgensen K; et al, Acta Oncol 1991; **30:** 33

final report of the general clinical results of the British Institute of Radiology fractionation study of 3F/wk *versus* 5F/wk in radiotherapy of carcinoma of the laryngo-pharynx, Wiernik G; Bates TD; Bleehen NM; et al, Br J Radiol 1990; **63:** 169

first interim progress report on the second British Institute of Radiology Fractionation study: short *versus* long overall treatment times for radiotherapy of carcinoma of the laryngopharynx, Wiernik G; Alcock CJ; Bates TD; et al, Br J Radiol 1989; **62:** 450

misonidazole combined with split-course radiotherapy in the treatment of invasive carcinoma of larynx and pharynx: report from the DAHANCA 2 study, Overgaard J; Hansen HS; Andersen AP; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1065

oropharynx carcinoma: irradiation alone *versus* induction chemotherapy plus irradiation—5 year results, Calais G; Reynaud-Bougnoux A; Garand G; et al, Br J Radiol 1990; **63:** 340

poorly differentiated naso- and oropharyngeal carcinoma: a retrospective comparison between the results of radiotherapy alone and radiotherapy plus adjuvant methotrexate, Reinfuss M; Skołyszewski J; Radkowski A, Acta Oncol 1991; **30:** 39

Phenylketonuria

MR imaging of phenylketonuria, Shaw DWW; Maravilla KR; Weinberger E; et al, AJNR 1991; **12:** 403

osteopenia and phenylketonuria, Carson DJ; Greeves LG; Sweeney LE; et al, Pediatr Radiol 1990; **20:** 598

phenylketonuria: MR imaging of the brain with clinical correlation, Pearsen KD; Gean-Marton AD; Levy HL; Davis KR, Radiology 1990; **177:** 437

Pheochromocytoma

bladder pheochromocytoma with MR correlation, Warshawsky R; Bow SN; Waldbaum RS; et al, JCAT 1989; **13:** 714

calculating radiation absorbed dose with pheochromocytoma tumors in 131-I MIBG therapy, Koral KF; Wang X; Sisson JC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 211

ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115

experience with extra-adrenal pheochromocytoma, (ab), Goldfarb DA; Novick AC; Bravo EL; et al, Radiology 1990; **175:** 592

hemorrhagic pheochromocytoma in a pregnant patient with neurofibromatosis: sonographic appearance, Strauss S; Pansky M; Lewinsohn G, J Ultrasound Med 1990; **9:** 165

labetalol reduces iodine-131 MIBG uptake by pheochromocytoma and normal tissues, Khafagi FA; Shapiro B; Fig LM; et al, J Nucl Med 1989; **30:** 481

late presentation of bone metastases in phaeochromocytoma, Zammit-Maempel I; Johnson RJ; Gattamaneni HR, Br J Radiol 1991; **64:** 369

late presentation of metastatic pheochromocytoma: a problem case solved by I-131 MIBG scintigraphy, Geatti O; Shapiro B; Virgolini L, Clin Nucl Med 1990; **15:** 101

localization of pheochromocytoma: MIGB, CT, and MRI correlation, Velchik MG; Alavi A; Kressel HY; et al, J Nucl Med 1989; **30:** 328

misleading Ga-67–Tc-99m colloid subtraction liver scintigraphy in a patient with pheochromocytoma, Müller C; Klepetko W; Sinzinger H, Clin Nucl Med 1990; **15:** 744

normalization of left ventricular ejection fraction following resection of pheochromocytoma in a patient with dilated cardiomyopathy, Hicks RJ; Wood B; Kalff V; et al, Clin Nucl Med 1991; **16:** 413

pentavalent technetium-99m (V)-DMSA uptake in a pheochromocytoma in a patient with Sipple's syndrome, Adams BK; Fataar A; Byrne MJ; et al, J Nucl Med 1990; **31:** 106

perivesicle pheochromocytoma: the role of iodine-131-MIBG imaging, Alavi A; Engelman K; Dweck E, J Nucl Med 1990; **31:** 1669

phaechromocytoma of the bladder: ultrasound appearance, Puvaneswary M; Davoren P, JCU 1991; **19:** 111

pheochromocytoma associated with prior carotid body tumors (chemodectomas): detection with I-131 MIBG, Campeau RJ; Graves C, Clin Nucl Med 1991; **16:** 511

pheochromocytoma in the organ of Zukerkandl: I-131 MIBG scintigraphic localization, El-Desouki M; Al-Nuaim A; Mofti A; et al, Clin Nucl Med 1989; **14:** 446

radionuclide therapy of pheochromocytomas and neuroblastomas using iodine-131 metaiodobenzylguanidine (MIBG), Brendel AJ; Jeandot R; Guyot M; et al, Clin Nucl Med 1989; **14:** 19

unusual causes of I-131 metaiodobenzylguanidine uptake in non-neural crest tissue, Horne T; Glaser B; Krausz Y; et al, Clin Nucl Med 1991; **16:** 239

Phlebography

See Venography

Phosphorus

See Magnetic resonance (MR), phosphorus studies

Phosphorus, radioactive

See Radionuclides, therapeutic

Photons

study of dose perturbation parameters for eye shielding in megavoltage photon beam therapy, Das IJ; Kase KR; Fitzgerald TJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 461

Physics

AAPM tutorial: Doppler US: the basics, Merritt CRB, Radiographics 1991; **11:** 109

AAPM tutorial: generators, x-ray tubes, and exposure geometry in mammography, Villafana T, Radiographics 1990; **10:** 539

AAPM tutorial: mammography as a radiographic system, Hubbard LB, Radiographics 1990; **10:** 103

AAPM tutorial: patient dose in mammography, Rothenberg LN, Radiographics 1990; **10:** 739

AAPM tutorial: physics of mammography: image recording process, Yaffe MJ, Radiographics 1990; **10:** 341

accurate automatic exposure controller for mammography: design and performance, Frederick EE; Squillante MR; Cirignano LJ; Hahn RW; Entine G, Radiology 1991; **178:** 393

gallstone lithotripsy: relevant physical principles and technical issues, Davros WJ; Garra BS; Zeman RK, Radiology 1991; **178:** 397

object radiography contrived to illustrate basic principles, Pantoja E; Kabler C; Li CP, Radiographics 1990; **10:** 323

radiologic physics instruction for diagnostic radiologists: a survey of residency programs, Committee on Training of Radiologists American Associatio, AJR 1991; **157:** 409

sensitometric responses of selected medical radiographic films, Kofler JM Jr; Gray JE, Radiology 1991; **181:** 879

spherical objects: elliptical shape of shadows at the periphery of radiographs, Roos MF, Radiology 1991; **181:** 607

teaching of physics and related courses to residents in radiation oncology, Dunscombe P, J Canad Assoc Radiol 1989; **40:** 211

Picture archiving and communication system (PACS)

analysis of the cost-effectiveness of PACS, Hilsenrath PE; Smith WL; Berbaum KS; et al, AJR 1991; **156:** 177

automatic acquisition interfaces for computed radiography, CT, MR, US, and laser scanner, Ho BKT, Comput Med Imag Graph 1991; **15:** 135

chest radiography in the intensive care unit: indications for radiography and effects of selective archiving of films, Geijer M; Jensen C; Schlossman D, Acta Radiol 1990; **31:** 321

clinical evaluation of irreversible image compression: analysis of chest imaging with computed radiography, Ishigaki T; Sakuma S; Ikeda M; Itoh Y; Suzuki M; Iwai S, Radiology 1990; **175:** 739

clinical experience—16 months of HU-PACS, Irie G; Miyasaka K, Comput Med Imag Graph 1991; **15:** 191

clinical experience with PACS at the University of Pennsylvania, Kundel HL; Seshadri SB; Arenson RL, Comput Med Imag Graph 1991; **15:** 197

comparison of a PACS workstation with conventional film for interpretation of neonatal examinations: a paired comparison study, Franken EA Jr; Smith WL; Berbaum KS; et al, Pediatr Radiol 1991; **21:** 336

comparison of information-preserving and information-losing data-compression algorithms for CT images, Bramble JM, Radiology 1989; **170:** 453

computer applications and digital imaging: RSNA '88 meeting notes, Arenson RL; Dwyer SJ III, Radiology 1989; **170:** 916

computer applications and digital imaging: RSNA '89 meeting notes, Arenson RL; Dwyer SJ III; Chakraborty DP; Seshadri SB, Radiology 1990; **174:** 917

computer applications and digital imaging: RSNA '90 meeting notes, Arenson RL; Dwyer SJ III; Huang HK; Kundel HL; Seshadri SB, Radiology 1991; **178:** 913

data compression: effect on diagnostic accuracy in digital chest radiography, MacMahon H; Doi K; Sanada S; Montner SM; Giger ML; Metz CE; Nakamori N; Yin F-F; Xu X-W; Yonekawa H; Takeuchi H, Radiology 1991; **178:** 175

design and implementation of full-frame, bit-allocation image-compression hardware module: work in progress, Ho BKT; Chao J; Zhu P; Huang HK, Radiology 1991; **179:** 563

design and operation of a nuclear medicine picture archiving and communication system, Brown PH; Krishnamurthy GT, Semin Nucl Med 1990; **20:** 205

diagnosis with CT at an electronic workstation, Foley WD, Radiology 1991; **178:** 631

digital imaging workstation, Arenson RL; Chakraborty DP; Seshadri SB; Kundel HL, Radiology 1990; **176:** 303

effect of image processing on chest radiograph interpretations in a PACS environment, Rosenthal MS; Good WF; Costa-Greco MA; et al, Invest Radiol 1990; **25:** 897

evaluation of a PACS workstation for assessment of body CT studies, Berbaum KS; Franken EA Jr; Honda H; et al, JCAT 1990; **14:** 853

evaluation of a quadtree-based compression algorithm with digitized urograms, Halpern EJ; Newhouse JH; Amis ES; Levy HM; Lubetsky HW, Radiology 1989; **171:** 259

expert system–controlled image display, Swett HA; Fisher PR; Cohn AI; Miller PL; Mutalik PG, Radiology 1989; **172:** 487

fast personal computer based retrieval system for a high-volume database of a radiology information system, Urhahn R; Günther RW, Br J Radiol 1991; **64:** 461

flexible image archiving system using a personal computer and optical disk, Parkin A; Norwood H; Erdentug MA; et al, Br J Radiol 1989; **62:** 620

full-frame transform compression of CT and MR images, Chan KK; Lou S-L; Huang HK, Radiology 1989; **171:** 847

gamma camera image acquisition, display, and processing with the personal microcomputer, Lear JL; Pratt JP; Roberts DR; Johnson TK; Feyerabend A, Radiology 1990; **175:** 241

hidden costs of delayed access to diagnostic imaging information: impact on PACS implementation, Straub WH; Gur D, AJR 1990; **155:** 613

HIS, RIS, and PACS, Bakker AR, Comput Med Imag Graph 1991; **15:** 157

hospital-wide distribution of nuclear medicine studies through a broadband digital network, Miller TR; Jost RG; Sampathkumaran KS; et al, Semin Nucl Med 1990; **20:** 270

image data compression in magnification hand radiographs, Bramble JM; Cook LT; Murphey MD; Martin NL; Anderson WH; Hensley KS, Radiology 1989; **170:** 133

information overload and management in radiology, Hendee WR, AJR 1991; **156:** 1283

information preserving image compression for archiving NMR images, Li CC; Gokmen M; Hirschman AD; et al, Comput Med Imag Graph 1991; **15:** 277

MR examination of the knee: interpretation with multiscreen digital workstation vs hardcopy format, Brown JJ; Malchow SC; Totty WG; et al, AJR 1991; **157:** 81

multimedia communications technology in diagnostic imaging, McGarty TP, Invest Radiol 1991; **26:** 377

nuclear medicine information management systems, Line BR, Semin Nucl Med 1990; **20:** 242

NucNet: a single-vendor clinical picture archiving and communication system—description and reflections, Juni JE, Semin Nucl Med 1990; **20:** 193

PACS clinical experience at Georgetown University, Horii SC; Mun SK; Levine B; et al, Comput Med Imag Graph 1991; **15:** 183

PACS—clinical experience at UCLA, Kangarloo H, Comput Med Imag Graph 1991; **15:** 201

PACS database architecture and design, Taira RK; Stewart BK; Sinha U, Comput Med Imag Graph 1991; **15:** 171

PACS workstation design, Ho BKT; Ratib O; Horii SC, Comput Med Imag Graph 1991; **15:** 147

picture archiving and communication system (PACS) networking: three implementation strategies, Stewart BK; Honeyman JC; Dwyer SJ III, Comput Med Imag Graph 1991; **15:** 161

planning a totally digital radiology department, Huang HK; Kangarloo H; Cho PS; et al, AJR 1990; **154:** 635

potential use of a 100-mm film digitizer and image processor for film archiving, Kono M; Yamasaki K; Ikeda M, J Thorac Imag 1990; **5-1:** 61

primary CT diagnosis of abdominal masses in a PACS environment, Straub WH; Gur D; Good WF; Campbell WL; Davis PL; Hecht ST; Skolnick ML; Thaete FL; Rosenthal MS; Sashin D, Radiology 1991; **178:** 739

quadtree-based data compression of abdominal CT images, Halpern EJ; Levy HM; Newhouse JH; et al, Invest Radiol 1990; **25:** 31

radiological image compression using full-frame cosine transform with adaptive bit-allocation, Chan KK; Lou S-L; Huang HK, Comput Med Imag Graph 1989; **13:** 153

radiologic image communication methods, Huang HK; Lou SL; Cho PS; et al, AJR 1990; **155:** 183

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; **174:** 775

state-of-the-art digital radiography, Lee KR; Siegel EL; Templeton AW; Dwyer SJ III; Murphey MD; Wetzel LH, Radiographics 1991; **11:** 1013

state-of-the-art digital radiography: invited commentary, Ritenour ER, Radiographics 1991; **11:** 1026

systems integration for PACS, Chan KK; Taira RK, Comput Med Imag Graph 1991; **15:** 177

technical exhibits: RSNA '88 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1989; **170:** 919
technical exhibits: RSNA '89 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1990; **174:** 916
technical exhibits: RSNA '90 meeting notes, Gray JE; Morin RL; Barnes GT, Radiology 1991; **178:** 910
teleradiology: an assessment, Batnitzky S; Rosenthal SJ; Siegel EL; Wetzel LH; Murphey MD; Cox GG; McMillan JH; Templeton AW; Dwyer SJ III, Radiology 1990; **177:** 11
ultrafast network for communication of radiologic images, Stewart BK; Lou SL; Wong WK; et al, AJR 1991; **156:** 835

Pineal body
melatonin and immunity, Fraschini F; Scaglione F; Franco P; et al, Acta Oncol 1990; **29:** 775

Pineal body, CT
case of hemorrhagic pineal cyst: MR/CT correlation, Osborn RE; Deen HG; Kerber CW; et al, Neuroradiol 1989; **31:** 187
CT of pineal tumors and intracranial germ-cell tumors, Chang T; Teng MMH; Guo W-Y; et al, AJNR 1989; **10:** 1039
CT of pineal tumors and intracranial germ-cell tumors, Chang T; Teng MMH; Guo W-Y; et al, AJR 1989; **153:** 1269
sarcoidosis of the pineal region: CT and MR studies, Martin N; Debroucker T; Mompoint D; et al, JCAT 1989; **13:** 110

Pineal body, cysts
case of hemorrhagic pineal cyst: MR/CT correlation, Osborn RE; Deen HG; Kerber CW; et al, Neuroradiol 1989; **31:** 187
enhancement of pineal cysts on MR images, Mamourian AC; Yarnell T, AJNR 1991; **12:** 773

Pineal body, MR
case of hemorrhagic pineal cyst: MR/CT correlation, Osborn RE; Deen HG; Kerber CW; et al, Neuroradiol 1989; **31:** 187
enhancement of pineal cysts on MR images, Mamourian AC; Yarnell T, AJNR 1991; **12:** 773
MR imaging of pineal region neoplasms, Zee C-S; Segall H; Apuzzo M; et al, JCAT 1991; **15:** 56
MR imaging of pineal tumors, Tien RD; Barkovich AJ; Edwards MSB, AJNR 1990; **11:** 557
MR imaging of pineal tumors, Tien RD; Barkovich AJ; Edwards MSB, AJR 1990; **155:** 143
MR imaging of pineocytoma: report of two cases, Nakagawa H; Iwasaki S; Kichikawa K; et al, AJNR 1990; **11:** 195
sarcoidosis of the pineal region: CT and MR studies, Martin N; Debroucker T; Mompoint D; et al, JCAT 1989; **13:** 110

Pineal body, neoplasms
CT of pineal tumors and intracranial germ-cell tumors, Chang T; Teng MMH; Guo W-Y; et al, AJNR 1989; **10:** 1039
CT of pineal tumors and intracranial germ-cell tumors, Chang T; Teng MMH; Guo W-Y; et al, AJR 1989; **153:** 1269
granulomatous inflammation in pineal germinoma: a cause of diagnostic failure at stereotaxic brain biopsy, (ab), Kraichoke S; Cosgrove M; Chandrasoma PT, Radiology 1989; **171:** 591
MR imaging of pineal region neoplasms, Zee C-S; Segall H; Apuzzo M; et al, JCAT 1991; **15:** 56
MR imaging of pineal tumors, Tien RD; Barkovich AJ; Edwards MSB, AJNR 1990; **11:** 557
MR imaging of pineal tumors, Tien RD; Barkovich AJ; Edwards MSB, AJR 1990; **155:** 143
MR imaging of pineocytoma: report of two cases, Nakagawa H; Iwasaki S; Kichikawa K; et al, AJNR 1990; **11:** 195
pineal and CNS germ cell tumors: Royal Marsden Hospital experience 1962–1987, Dearnaley DP; A'Hern RP; Whittaker S; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 773
pineal region germinomas in childhood treatment considerations, Jenkin D; Berry M; Chan H; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 541

Pituitary, anatomy
MR imaging of physiologic pituitary gland hypertrophy in adolescence, Doraiswamy PM; Potts JM; Figiel GS; Boyko OB; Krishnan KRR, Radiology 1991; **178:** 284
normal pituitary gland: changes in shape, size, and signal intensity during the 1st year of life at MR imaging, Cox TD; Elster AD, Radiology 1991; **179:** 721
normal pituitary gland: coronal MR imaging of infundibular tilt, Ahmadi H; Larsson EM; Jinkins JR, Radiology 1990; **177:** 389
pituitary gland: MR imaging of physiologic hypertrophy in adolescence, Elster AD; Chen MYM; Williams DW III; Key LL, Radiology 1990; **174:** 681

Pituitary, CT
assessment of computed tomographic artefact in the putuitary fossa following needle implantation of radioactive rods, O'Donnell CJ; Yong K; Joplin GF, Clin Radiol 1989; **40:** 154
case report: CT demonstration of pituitary stalk relapse in childhood acute lymphoblastic leukaemia, Tilley E; Ryalls MR; Williams MP, Clin Radiol 1989; **40:** 634
comparison of CT and MRI in the assessment of the pituitary and parasellar region, Guy RL; Benn JJ; Ayers AB; et al, Clin Radiol 1991; **43:** 156
comparison of MR imaging and CT in pituitary macroadenomas, Lundin P; Bergström K; Thuomas KA; et al, Acta Radiol 1991; **32:** 189
ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115
'incidentaloma' of the pituitary gland: is neurosurgery required?, (ab), Reincke M; Allolio B; Saeger W; et al, Radiology 1990; **177:** 598
pituitary computed tomography: is contrast enhancement necessary?, Baldwin JE; Freer CEL, Clin Radiol 1990; **42:** 20
subacute pituitary apoplexy: MR and CT appearance, Kyle CA; Laster RA; Burton EM; et al, JCAT 1990; **14:** 40
typical blood-fluid level formation on computerized tomogram in pituitary apoplexy: case report, Asari S; Gotoh M; Nishimoto A, Comput Med Imag Graph 1990; **14:** 147

Pituitary, diseases
MR imaging of the sellar and juxtasellar regions, Johnsen DE; Woodruff WW; Allen IS; Cera PJ; Funkhouser GR; Coleman LL, Radiographics 1991; **11:** 727

Pituitary, hemorrhage
pituitary adenomas: possible role of bromocriptine in intratumoral hemorrhage, Yousem DM; Arrington JA; Zinreich SJ; Kumar AJ; Bryan RN, Radiology 1989; **170:** 239
subacute pituitary apoplexy: MR and CT appearance, Kyle CA; Laster RA; Burton EM; et al, JCAT 1990; **14:** 40

Pituitary, hypopituitarism
anterior and posterior hypopituitarism with pituitary stalk abnormalities, Carlier R; Monnet O; Idir ABC; et al, J Neuroradiol 1991; **18:** 49

Pituitary, MR
bright lesions on sellar/parasellar T1-weighted scans, Yousem DM; Arrington JA; Kumar AJ; et al, Clin Imag 1990; **14:** 99
chemical shift imaging with paramagnetic contrast material enhancement for improved lesion depiction, Simon JH; Szumowski J, Radiology 1989; **171:** 539
comparison of CT and MRI in the assessment of the pituitary and parasellar region, Guy RL; Benn JJ; Ayers AB; et al, Clin Radiol 1991; **43:** 156
comparison of MR imaging and CT in pituitary macroadenomas, Lundin P; Bergström K; Thuomas KA; et al, Acta Radiol 1991; **32:** 189
contribution of MRI to the diagnosis of ACTH-secreting pituitary adenomas: exploration of 9 patients with Cushing's disease, Carsin M; Carsin-Nicol B; Rolland Y; et al, J Neuroradiol 1990; **17:** 255
development and aging of brain midline structures: assessment with MR imaging, Hayakawa K; Konishi Y; Matsuda T; Kuriyama M; Konishi K; Yamashita K; Okumura R; Hamanaka D, Radiology 1989; **172:** 171
ectopia of the posterior pituitary gland as a normal variant: assessment with MR imaging, Benshoff ER; Katz BH, AJNR 1990; **11:** 709
ectopic adrenocorticotropic hormone syndrome: localization studies in 28 patients, Doppman JL; Nieman LK; Miller DL; Pass HI; Chang R; Cutler GB Jr; Schaaf M; Chrousos GP; Norton JA; Ziessman HA; Oldfield EH; Loriaux DL, Radiology 1989; **172:** 115
effect of phospholipid vesicles on the NMR relaxation of water: an explanation for the MR appearance of the neurohypophysis?, Kucharczyk W; Lenkinski RE; Kucharczyk J; et al, AJNR 1990; **11:** 693
frequency and variation of the posterior pituitary bright signal on MR images, Brooks BS; El Gammal T; Allison JD; et al, AJNR 1989; **10:** 943
frequency and variation of the posterior pituitary bright signal on MR images, Brooks BS; El Gammal T; Allison JD; et al, AJR 1989; **153:** 1033
Gd-DTPA enhanced high resolution MR imaging of pituitary adenomas, Steiner E; Imhof H; Knosp E, Radiographics 1989; **9:** 587
Gd-DTPA–enhanced MR imaging of pituitary adenomas, Newton DR; Dillon WP; Norman D; et al, AJNR 1989; **10:** 949
height of normal pituitary gland as a function of age evaluated by magnetic resonance imaging in children, Argyropoulou M; Perignon F; Brunelle F; et al, Pediatr Radiol 1991; **21:** 247
height of normal pituitary gland on MR imaging: age and sex differentiation, Suzuki M; Takashima T; Kadoya M; et al, JCAT 1990; **14:** 36
high-intensity signals within the posterior pituitary fossa: a study with fat-suppression MR techniques, Mark LP; Haughton VM; Hendrix LE; et al, AJNR 1991; **12:** 529
high-intensity signals within the posterior pituitary fossa: a study with fat-suppression MR techniques, Mark LP; Haughton VM; Hendrix LE; et al, AJR 1991; **157:** 389
hyperintense signal of the posterior pituitary on T1-weighted MR images: an experimental study, Fujisawa I; Asato R; Kawata M; et al, JCAT 1989; **13:** 371
'incidentaloma' of the pituitary gland: is neurosurgery required?, (ab), Reincke M; Allolio B; Saeger W; et al, Radiology 1990; **177:** 598
magnetic resonance imaging in familial central diabetes insipidus, Miyamoto S; Sasaki N; Tanabe Y, Neuroradiol 1991; **33:** 272
magnetic resonance imaging of estrogen-induced pituitary hypertrophy in rats, van Nesselrooij JHJ; Szeverenyi NM; Ruocco MJ, Magn Res Med 1989; **11:** 161
magnetic resonance imaging of pituitary and parasellar abnormalities, Chakeres DW; Curtin A; Ford G, Radiol Clin North Am 1989; **27:** 265
MR demonstration of pituitary hyperplasia and regression after therapy for hypothyroidism, Hutchins WW; Crues JV III; Miya P; et al, AJNR 1990; **11:** 410
MR detectability of posterior pituitary high signal and direction of frequency encoding gradient, Sato N; Ishizaka H; Matsumoto M; et al, JCAT 1991; **15:** 355
MRI in the diagnosis of so-called pituitary apoplexy: seven cases, L'Huillier F; Combes C; Martin N; et al, J Neuroradiol 1989; **16:** 221
MR imaging of physiologic pituitary gland hypertrophy in adolescence, Doraiswamy PM; Potts JM; Figiel GS; Boyko OB; Krishnan KRR, Radiology 1991; **178:** 284
MR imaging of pituitary dwarfism, Kuroiwa T; Okabe Y; Hasuo K; et al, AJNR 1991; **12:** 161
MR imaging of the ectopic bright signal of posterior pituitary regeneration, El Gammal T; Brooks BS; Hoffman WH, AJNR 1989; **10:** 323
MR imaging of the posterior hypophysis in children, Gudinchet F; Brunelle F; Barth MO; et al, AJNR 1989; **10:** 511
MR imaging of the sellar and juxtasellar regions, Johnsen DE; Woodruff WW; Allen IS; Cera PJ; Funkhouser GR; Coleman LL, Radiographics 1991; **11:** 727

normal and abnormal pituitary glands: gadopentetate dimeglumine–enhanced MR imaging, Sakamoto Y; Takahashi M; Korogi Y; Bussaka H; Ushio Y, Radiology 1991; **178:** 441

normal pituitary gland: changes in shape, size, and signal inienstity during the 1st year of life at MR imaging, Cox TD; Elster AD, Radiology 1991; **179:** 721

normal pituitary gland: coronal MR imaging of infundibular tilt, Ahmadi H; Larsson EM; Jinkins JR, Radiology 1990; **177:** 389

pituitary adenoma: correlation of half-dose gadolinium-enhanced MR imaging with surgical findings in 26 patients, Davis PC; Gokhale KA; Joseph GJ; Peterman SB; Adams DA; Tindall GT; Hudgins PA; Hoffman JC Jr, Radiology 1991; **180:** 779

pituitary adenomas and normal pituitary tissue: enhancement patterns on gadopentetate-enhanced MR imaging, Miki Y; Matsuo M; Nishizawa S; Kuroda Y; Keyaki A; Makita Y; Kawamura J, Radiology 1990; **177:** 35

pituitary adenomas: possible role of bromocriptine in intratumoral hemorrhage, Yousem DM; Arrington JA; Zinreich SJ; Kumar AJ; Bryan RN, Radiology 1989; **170:** 239

pituitary gland: MR imaging of physiologic hypertrophy in adolescence, Elster AD; Chen MYM; Williams DW III; Key LL, Radiology 1990; **174:** 681

pituitary microadenomas: diagnosis with two- and three-dimensional MR imaging at 1.5 T before and after injection of gadolinium, Stadnik TW; Stevenaert A; Beckers A; Luypaert RR; Buisseret T; Osteaux M, Radiology 1990; **176:** 419

primary sellar melanoma simulating hemorrhagic pituitary adenoma: MR and pathologic findings, Chappell PM; Kelly WM; Ercius M, AJNR 1990; **11:** 1054

size and shape of the pituitary gland during pregnancy and post partum: measurement with MR imaging, Elster AD; Sanders TG; Vines FS; Chen MYM, Radiology 1991; **181:** 531

subacute pituitary apoplexy: MR and CT appearance, Kyle CA; Laster RA; Burton EM; et al, JCAT 1990; **14:** 40

thickened pituitary stalk on MR images in patients with diabetes insipidus and Langerhans cell histiocytosis, Tien RD; Newton TH; McDermott MW; et al, AJNR 1990; **11:** 703

Pituitary, neoplasms

bright lesions on sellar/parasellar T1-weighted scans, Yousem DM; Arrington JA; Kumar AJ; et al, Clin Imag 1990; **14:** 99

comparison of MR imaging and CT in pituitary macroadenomas, Lundin P; Bergström K; Thuomas KA; et al, Acta Radiol 1991; **32:** 189

contribution of MRI to the diagnosis of ACTH-secreting pituitary adenomas: exploration of 9 patients with Cushing's disease, Carsin M; Carsin-Nicol B; Rolland Y; et al, J Neuroradiol 1990; **17:** 255

diagnosis of pituitary microadenomas and adenomas, (ab), Norman D; Newton TH, Radiology 1989; **173:** 294

external radiation of growth hormone producing pituitary adenomas: prolactin as a marker of hypothalamic and pituitary effects, af Trampe E; Lundell G; Lax I; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 655

Gd-DTPA enhanced high resolution MR imaging of pituitary adenomas, Steiner E; Imhof H; Knosp E, Radiographics 1989; **9:** 587

Gd-DTPA–enhanced MR imaging of pituitary adenomas, Newton DR; Dillon WP; Norman D; et al, AJNR 1989; **10:** 949

hemorrhage within pituitary adenomas: how often associated with pituitary apoplexy syndrome?, Ostrov SG; Quencer RM; Hoffman JC; et al, AJNR 1989; **10:** 503

MRI in the diagnosis of so-called pituitary apoplexy: seven cases, L'Huillier F; Combes C; Martin N; et al, J Neuroradiol 1989; **16:** 221

MR imaging of the sellar and juxtasellar regions, Johnsen DE; Woodruff WW; Allen IS; Cera PJ; Funkhouser GR; Coleman LL, Radiographics 1991; **11:** 727

normal and abnormal pituitary glands: gadopentetate dimeglumine–enhanced MR imaging, Sakamoto Y; Takahashi M; Korogi Y; Bussaka H; Ushio Y, Radiology 1991; **178:** 441

occurrence of macroscopical pituitary calcifications in prolactinomas, Rasmussen C; Larsson SG; Bergh T, Neuroradiol 1990; **31:** 507

PET as a tool in the clinical evaluation of pituitary adenomas, Bergström M; Muhr C; Lundberg PO; et al, J Nucl Med 1991; **32:** 610

petrosal sinus sampling: discordant lateralization of ACTH-secreting pituitary microadenomas before and after stimulation with corticotropin-releasing hormone, Miller DL; Doppman JL; Nieman LK; Cutler GB Jr; Chrousos G; Loriaux DL; Oldfield EH, Radiology 1990; **176:** 429

pituitary adenoma: correlation of half-dose gadolinium-enhanced MR imaging with surgical findings in 26 patients, Davis PC; Gokhale KA; Joseph GJ; Peterman SB; Adams DA; Tindall GT; Hudgins PA; Hoffman JC Jr, Radiology 1991; **180:** 779

pituitary adenoma in McCune-Albright syndrome: MR demonstration, O'Laughlin RL; Selinger SE; Moriarty PE, JCAT 1989; **13:** 685

pituitary adenomas and normal pituitary tissue: enhancement patterns on gadopentetate-enhanced MR imaging, Miki Y; Matsuo M; Nishizawa S; Kuroda Y; Keyaki A; Makita Y; Kawamura J, Radiology 1990; **177:** 35

pituitary adenomas: possible role of bromocriptine in intratumoral hemorrhage, Yousem DM; Arrington JA; Zinreich SJ; Kumar AJ; Bryan RN, Radiology 1989; **170:** 239

pituitary adenoma: the efficacy of radiotherapy as the sole treatment, Rush SC; Newall J, Int J Radiat Oncol Biol Phys 1989; **17:** 165

pituitary microadenomas: a PET study, De Souza B; Brunetti A; Fulham MJ; Brooks RA; DeMichele D; Cook P; Nieman L; Doppman JL; Oldfield EH; Di Chiro G, Radiology 1990; **177:** 39

pituitary microadenomas: diagnosis with two- and three-dimensional MR imaging at 1.5 T before and after injection of gadolinium, Stadnik TW; Stevenaert A; Beckers A; Luypaert RR; Buisseret T; Osteaux M, Radiology 1990; **176:** 419

pituitary microadenomas: does gadolinium enhance their demonstration?, Macpherson P; Hadley DM; Teasdale E; et al, Neuroradiol 1989; **31:** 293

primary sellar melanoma simulating hemorrhagic pituitary adenoma: MR and pathologic findings, Chappell PM; Kelly WM; Ercius M, AJNR 1990; **11:** 1054

prognostic factors and results of surgery and postoperative irradiation in the management of pituitary adenomas, Grigsby PW; Simpson JR; Emami BN; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1411

recurrent pituitary adenomas after surgical resection: the role of radiation therapy, Kovalic JJ; Grigsby PW; Fineberg BB, Radiology 1990; **177:** 273

repeat megavoltage irradiation of pituitary and suprasellar tumors, Flickinger JC; Deutsch M; Lunsford LD, Int J Radiat Oncol Biol Phys 1989; **17:** 171

small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ, Radiology 1990; **176:** 563

Pituitary, radionuclide studies

pituitary microadenomas: does gadolinium enhance their demonstration?, Macpherson P; Hadley DM; Teasdale E; et al, Neuroradiol 1989; **31:** 293

Pituitary, therapeutic radiology

long-term follow-up of radiotherapy for pituitary adenoma: the absence of late recurrence after ≥ 4500 cGy, McCollough WM; Marcus RB Jr; Rhoton AL Jr; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 607

prognostic factors and results of surgery and postoperative irradiation in the management of pituitary adenomas, Grigsby PW; Simpson JR; Emami BN; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1411

recurrent pituitary adenomas after surgical resection: the role of radiation therapy, Kovalic JJ; Grigsby PW; Fineberg BB, Radiology 1990; **177:** 273

Placenta

placental vascular resistance using umbilical velocimetry in patients undergoing cesarean section for fetal distress, Brar HS; Platt LD, J Ultrasound Med 1989; **8:** 211

Placenta, abnormalities

disparity of amniotic fluid volume and fetal size: problem of the stuck twin—US studies, Patten RM; Mack LA; Harvey D; Cyr DR; Pretorius DH, Radiology 1989; **172:** 153

intra-amniotic hemorrhage secondary to placenta circumvallate, Cutillo DP; Swayne LC; Schwartz JR; et al, J Ultrasound Med 1989; **8:** 399

placental hypoechoic-anechoic areas and infarction: sonographic-pathologic correlation, Harris RD; Simpson WA; Pet LR; Marin-Padilla M; Crow HC, Radiology 1990; **176:** 75

placenta previa—is the traditional diagnostic approach satisfactory?, Farine D; Peisner DB; Timor-Tritsch IE; et al, JCU 1990; **18:** 328

sonographic and pathologic features of a circumvallate placenta associated with early amnion rupture, Sherer DM; Smith SS; Metlay LA; et al, JCU 1991; **19:** 241

sonographic evaluation of the placenta: importance of pathologic correlation, Spirt BA; Gordon LP, Radiology 1990; **176:** 9

sonography of placental abnormalities and oligohydramnios in women with elevated alpha-fetoprotein levels: comparison with control subjects, Kelly RB; Nyberg DA; Mack LA; et al, AJR 1989; **153:** 815

twin-twin transfusion syndrome: sonographic findings, Brown DL; Benson CB; Driscoll SG; Doubilet PM, Radiology 1989; **170:** 61

ultrasonographic diagnosis and morphological study of placenta circumvallate, Jauniaux E; Avni FE; Donner C; et al, JCU 1989; **17:** 126

Placenta, hemorrhage

intra-amniotic hemorrhage secondary to placenta circumvallate, Cutillo DP; Swayne LC; Schwartz JR; et al, J Ultrasound Med 1989; **8:** 399

placental hypoechoic-anechoic areas and infarction: sonographic-pathologic correlation, Harris RD; Simpson WA; Pet LR; Marin-Padilla M; Crow HC, Radiology 1990; **176:** 75

Placenta, US

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antenatal diagnosis of placental infarcts by ultrasonography, Jauniaux E; Campbell S, JCU 1991; **19:** 58

functional assessment of uteroplacental and fetal circulations by means of color Doppler ultrasonography, Arduini D; Rizzo G; Boccolini MR; et al, J Ultrasound Med 1990; **9:** 249

intraobserver variation in Doppler ultrasound indices of placental perfusion derived from different numbers of waveforms, Spencer JAD; Price J, J Ultrasound Med 1989; **8:** 197

placental hypoechoic-anechoic areas and infarction: sonographic-pathologic correlation, Harris RD; Simpson WA; Pet LR; Marin-Padilla M; Crow HC, Radiology 1990; **176:** 75

placenta previa—is the traditional diagnostic approach satisfactory?, Farine D; Peisner DB; Timor-Tritsch IE; et al, JCU 1990; **18:** 328

practical aspects of placental evaluation, Spirt BA; Gordon LP, Semin Roentgenol 1991; **26:** 32

sonographic and pathologic features of a circumvallate placenta associated with early amnion rupture, Sherer DM; Smith SS; Metlay LA; et al, JCU 1991; **19:** 241

sonographic evaluation of the placenta: importance of pathologic correlation, Spirt BA; Gordon LP, Radiology 1990; **176:** 9

sonography of placental abnormalities and oligohydramnios in women with elevated alpha-fetoprotein levels: comparison with control subjects, Kelly RB; Nyberg DA; Mack LA; et al, AJR 1989; **153:** 815

ultrasonographic diagnosis and morphological study of placenta circumvallate, Jauniaux E; Avni FE; Donner C; et al, JCU 1989; **17:** 126

Plasmacytoma

case report: solitary plasmacytoma of the frontal bone, Wilson P; Chumas P; van der Walt JD, Clin Radiol 1990; **42:** 289

gastric mass, Soulen MC; Young WC, Invest Radiol 1990; **25:** 865

pancreatic plasmacytoma: CT findings, Wilson TE; Korobkin M; Francis IR, AJR 1989; **152:** 1227

plasmacytoma of the pancreatic head, Fukuya T; Yoshimitsu K; Kitagawa S; et al, Gastrointest Radiol 1989; **14:** 226

solitary plasmacytoma of bone: Mayo Clinic experience, Frassica DA; Frassica FJ; Schray MF; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 43

Platelets

See Blood, platelets

Plethysmography

combined technetium radioisotope penile plethysmography and xenon washout: a technique for evaluating corpora cavernosal inflow and outflow during early tumescence, Schwartz AN; Graham MM, J Nucl Med 1991; **32:** 404

detection of previous proximal venous thrombosis with Doppler ultrasonography and photoplethysmography, (ab), Ginsberg JS; Shin A; Turpie GG; et al, Radiology 1990; **175:** 590

duplex ultrasound and ocular pneumoplethysmography concordance in detecting severe carotid stenosis, (ab), Castaldo JE; Nicholas GG; Gee W; et al, Radiology 1989; **173:** 884

radioisotope penile plethysmography: a technique for evaluating corpora cavernosal blood flow during early tumescence, Schwartz AN; Graham MM; Ferency GF; et al, J Nucl Med 1989; **30:** 466

value of diagnostic tests for deep venous thrombosis: a decision analysis model, Venta LA; Venta ER; Mumford LM, Radiology 1990; **174:** 433

Pleura

pleural block: technique for regional anesthesia during percutaneous hepatobiliary drainage, Rosenblatt M; Robalino J; Bergman A; Shevde K, Radiology 1989; **172:** 279

radiologic detection of pleural thickening, (ab), Frumkin H; Pransky G; Cosmatos I, Radiology 1991; **179:** 883

Pleura, air in

See Pneumothorax

Pleura, CT

anatomy of the major fissure: evaluation with standard and thin-section CT, Glazer HS; Anderson DJ; DiCroce JJ; Solomon SL; Wilson BS; Molina PL; Sagel SS, Radiology 1991; **180:** 839

anatomy of the minor fissure: evaluation with thin-section CT, Berkmen YM; Auh YH; Davis SD; Kazam E, Radiology 1989; **170:** 647

anatomy of the minor fissure: evaluation with thin-section CT, Frija J; Yana C; Laval-Jeantet M, Radiology 1989; **173:** 571

apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727

computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure, Friedman AC; Fiel SB; Radecki PD; et al, Semin US CT MR 1990; **11:** 393

computed tomography of pseudotumoral pleural fluid collections in the azygoesophageal recess, Pecorari A; Weisbrod GL, JCAT 1989; **13:** 803

conventional and high resolution computed tomography in the diagnosis of asbestos-related diseases, Lynch DA; Gamsu G; Aberle DR, Radiographics 1989; **9:** 523

costal pleura: appearances at high-resolution CT, Im J-G; Webb WR; Rosen A; Gamsu G, Radiology 1989; **171:** 125

CT appearance of primary pleural lymphoma, Malatskey A; Fields S; Libson E, Comput Med Imag Graph 1989; **13:** 165

CT follow-up of empyemas: pleural peels resolve after percutaneous catheter drainage, Neff CC; vanSonnenberg E; Lawson DW; Patton AS, Radiology 1990; **176:** 195

CT in differential diagnosis of diffuse pleural disease, Leung AN; Müller NL; Miller RR, AJR 1990; **154:** 487

detection of asbestosis with high-resolution CT, Friedman AC; Radecki PD; Fiel SB, Radiology 1989; **170:** 278

detection of asbestosis with high-resolution CT: reply, Aberle DR; Gamsu G, Radiology 1989; **170:** 278

extrapleural fat sign: CT characteristics, Hammerman AM; Susman N; Strzembosz A; et al, JCAT 1990; **14:** 345

imaging the pleura: sonography, CT, and MR imaging, McLoud TC; Flower CDR, AJR 1991; **156:** 1145

parietal pleural changes in empyema: appearances at CT, Waite RJ; Carbonneau RJ; Balikian JP; Umali CB; Pezzella AT; Nash G, Radiology 1990; **175:** 145

pleural metastasis of malignant thymoma. a pitfall in the CT-diagnosis of pleural mesothelioma, Görich J; Beyer-Enke SA; Schmitteckert H; et al, Comput Med Imag Graph 1989; **13:** 169

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

role of computed tomography scanning in the initial assessment and the follow-up of malignant pleural mesothelioma, (ab), Rusch VW; Godwin JD; Shuman WP, Radiology 1989; **171:** 587

surgical definition of pleural peel, Moulton AL, Radiology 1991; **178:** 889

surgical definition of pleural peel: reply, Neff CC; vanSonnenberg E, Radiology 1991; **178:** 889

Pleura, diseases

conventional and high resolution computed tomography in the diagnosis of asbestos-related diseases, Lynch DA; Gamsu G; Aberle DR, Radiographics 1989; **9:** 523

CT findings in malignant pleural mesothelioma related to nonoccupational exposure to asbestos and fibrous zeolite (erionite), Erzen C; Eryilmaz M; Kalyoncu F; et al, JCAT 1991; **15:** 256

CT follow-up of empyemas: pleural peels resolve after percutaneous catheter drainage, Neff CC; vanSonnenberg E; Lawson DW; Patton AS, Radiology 1990; **176:** 195

CT in differential diagnosis of diffuse pleural disease, Leung AN; Müller NL; Miller RR, AJR 1990; **154:** 487

detection of asbestosis with high-resolution CT, Friedman AC; Radecki PD; Fiel SB, Radiology 1989; **170:** 278

detection of asbestosis with high-resolution CT: reply, Aberle DR; Gamsu G, Radiology 1989; **170:** 278

drug-related pleural and mediastinal disorders, Miller WT Jr, J Thorac Imag 1991; **6-1:** 36

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

screening for asbestos-related pleural disease with digital storage phosphor radiography, Schaefer CM; Greene RE; Oliver LC; et al, Invest Radiol 1990; **25:** 645

surgical definition of pleural peel, Moulton AL, Radiology 1991; **178:** 889

surgical definition of pleural peel: reply, Neff CC; vanSonnenberg E, Radiology 1991; **178:** 889

Pleura, fluid

bright pleural effusion and ascites on gradient-echo MR images: a potential source of confusion in vascular MR studies, Wallner BK; Edelman RR; Finn JP; et al, AJR 1990; **155:** 1237

computed tomography of pseudotumoral pleural fluid collections in the azygoesophageal recess, Pecorari A; Weisbrod GL, JCAT 1989; **13:** 803

diagnostic value of ferritin in malignant pleural and peritoneal effusions, (ab), Yinnon A; Konijn AM; Link G; et al, Radiology 1989; **172:** 296

digital storage phosphor imaging versus conventional film radiography in CT-documented chest disease, Schaefer CM; Greene RE; Oestmann JW; Hall DA; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1990; **174:** 207

external accumulation of radionuclide in hepatic hydrothorax, Albin RJ; Johnston GS, Clin Nucl Med 1989; **14:** 341

fat-fluid level in pleural effusion as a complication of a mediastinal dermoid: CT characteristics, Yeoman LJ; Dalton HR; Adam EJ, JCAT 1990; **14:** 307

MR imaging of pleural effusions, Davis SD; Henschke CI; Yankelevitz DF; et al, JCAT 1990; **14:** 192

parietal pleural changes in empyema: appearances at CT, Waite RJ; Carbonneau RJ; Balikian JP; Umali CB; Pezzella AT; Nash G, Radiology 1990; **175:** 145

pathogenesis, radiologic evaluation, and therapy of pleural effusions, Henschke CI; Davis SD; Romano PM; et al, Radiol Clin North Am 1989; **27:** 1241

pleural effusion: an "acoustic window" for sonography of pleural metastases, Goerg C; Schwerk W-B; Goerg K; et al, JCU 1991; **19:** 93

pleural effusion as a presentation of AIDS-related lymphoma, Sider L; Horton ES Jr, Invest Radiol 1989; **24:** 150

pleural effusion in an asymptomatic patient: spectrum and frequency of causes and management considerations, (ab), Smyrnios NA; Jederlinic PJ; Irwin RS, Radiology 1990; **176:** 587

pleural effusions: pathogenesis, radiologic evaluation, and therapy, Henschke CI; Davis SD; Romano PM; et al, J Thorac Imag 1989; **4-1:** 49

postoperative pleural effusion following upper abdominal surgery, (ab), Nielsen PH; Jepsen SB; Olsen AD, Radiology 1990; **175:** 883

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

real-time ultrasound evaluation of tuberculous pleural effusions, Martinez OC; Serrano BV; Romero RR, JCU 1989; **17:** 407

serendipitous detection of pleural collection during blood pool imaging for GI bleeding, Crotty J; Gupta SM, Clin Nucl Med 1991; **16:** 362

spontaneous resolution of fetal pleural effusion diagnosed during the second trimester, Lien JM; Colmorgen GHC; Gehret JF; et al, JCU 1990; **18:** 54

technetium-99m-methylene diphosphonate (MDP) uptake in a sympathetic effusion: an index of malignancy and a review of the literature, Cole TJ; Balseiro J; Lippman HR, J Nucl Med 1991; **32:** 325

treatment of loculated pleural effusions with transcatheter intracavitary urokinase, Moulton JS; Moore PT; Mencini RA, AJR 1989; **153:** 941

treatment of pleural effusions and pneumothorax with catheters placed percutaneously under imaging guidance, Reinhold C; Illescas FF; Atri M; et al, AJR 1989; **152:** 1189

ultrasound guided puncture of pleural fluid collections and superficial thoracic masses, Rasmussen OS; Boris P, Eur J Radiol 1989; **9:** 91

Pleura, infection

pleural cryptococcosis, Conces DJ Jr; Vix VA; Tarver RD, J Thorac Imag 1990; **5-2:** 84

pleural infections: a clinical-radiologic review, Hanna JW; Reed JC; Choplin RH, J Thorac Imag 1991; **6-3:** 68

thoracoplasty: current application to the infected pleural space, (ab), Horrigan TP; Snow NJ, Radiology 1991; **181:** 291

Pleura, interventional procedure
pleural interventions: indications, techniques, and clinical applications, Silverman SG; Saini S; Mueller PR, Radiol Clin North Am 1989; **27:** 1257
radiologically controlled drainage of pleural and pulmonary collections, Fataar S, Australas Radiol 1990; **34:** 111
treatment of pleural effusions and pneumothorax with catheters placed percutaneously under imaging guidance, Reinhold C; Illescas FF; Atri M; et al, AJR 1989; **152:** 1189

Pleura, MR
bright pleural effusion and ascites on gradient-echo MR images: a potential source of confusion in vascular MR studies, Wallner BK; Edelman RR; Finn JP; et al, AJR 1990; **155:** 1237
imaging the pleura: sonography, CT, and MR imaging, McLoud TC; Flower CDR, AJR 1991; **156:** 1145
MR imaging of malignant pleural mesothelioma, Lorigan JG; Libshitz HI, JCAT 1989; **13:** 617
MR imaging of pleural effusions, Davis SD; Henschke CI; Yankelevitz DF; et al, JCAT 1990; **14:** 192

Pleura, neoplasms
case of the season: a Vietnamese veteran with multiple pleural nodules, Li C; Seliger G, Semin Roentgenol 1990; **25:** 2
case report: pleural granulocytic sarcoma: CT characteristics, Lee MJ; Grogan L; Meehan S; et al, Clin Radiol 1991; **43:** 57
CT appearance of primary pleural lymphoma, Malatskey A; Fields S; Libson E, Comput Med Imag Graph 1989; **13:** 165
extracardiac activity with Tl-201 in a pleural mesothelioma recurrence, Garcia MJ; Arbizu J; Ramirez JC; et al, Clin Nucl Med 1991; **16:** 595
large calcified pleural-based mass in the left hemithorax, Phillips CJ; Müller NL; Miller RR; et al, J Canad Assoc Radiol 1990; **41:** 232
leiomyomatosis with a solitary pleural metastasis, Budde RB Jr; Yankura JA, Clin Imag 1989; **13:** 228
localized benign and malignant fibrous tumors of the pleura: a clinicopathologic review of 223 cases, (ab), England DM; Hochholzer L; McCarthy MJ, Radiology 1990; **174:** 586
localized fibrous pleural mesothelioma: CT findings, Mendelson DS; Meary E; Buy JN; et al, Clin Imag 1991; **15:** 105
malignancies metastatic to the pleura, Matthay RA; Coppage L; Shaw C; et al, Invest Radiol 1990; **25:** 601
malignant pleural mesothelioma: CT manifestations in 50 cases, Kawashima A; Libshitz HI, AJR 1990; **155:** 965
MR imaging of malignant pleural mesothelioma, Lorigan JG; Libshitz HI, JCAT 1989; **13:** 617
osteosarcoma with isolated metastases to the pleura, Shanley DJ; Mulligan ME, Pediatr Radiol 1991; **21:** 226
pleural effusion: an "acoustic window" for sonography of pleural metastases, Goerg C; Schwerk W-B; Goerg K; et al, JCU 1991; **19:** 93
pleural metastasis of malignant thymoma. a pitfall in the CT-diagnosis of pleural mesothelioma, Görich J; Beyer-Enke SA; Schmitteckert H; et al, Comput Med Imag Graph 1989; **13:** 169
primary intrathoracic extraosseous osteogenic sarcoma: report of three cases, Stark P; Smith DC; Watkins GE; Chun KE, Radiology 1990; **174:** 725
role of computed tomography scanning in the initial assessment and the follow-up of malignant pleural mesothelioma, (ab), Rusch VW; Godwin JD; Shuman WP, Radiology 1989; **171:** 587
technetium-99m-methylene diphosphonate (MDP) uptake in a sympathetic effusion: an index of malignancy and a review of the literature, Cole TJ; Balseiro J; Lippman HR, J Nucl Med 1991; **32:** 325

Pleura, radiography
comparison of scanning equalization and conventional chest radiography, Wandtke JC; Plewes DB, Radiology 1989; **172:** 641

Pleura, radionuclide studies
bone scintigraphy in pleural metastases of osteogenic sarcoma, Palestro CJ; Styles ST; Kim CK; et al, Clin Nucl Med 1990; **15:** 346
serendipitous detection of pleural collection during blood pool imaging for GI bleeding, Crotty J; Gupta SM, Clin Nucl Med 1991; **16:** 362
technetium-99m-methylene diphosphonate (MDP) uptake in a sympathetic effusion: an index of malignancy and a review of the literature, Cole TJ; Balseiro J; Lippman HR, J Nucl Med 1991; **32:** 325

Pleura, US
imaging the pleura: sonography, CT, and MR imaging, McLoud TC; Flower CDR, AJR 1991; **156:** 1145
pleural effusion: an "acoustic window" for sonography of pleural metastases, Goerg C; Schwerk W-B; Goerg K; et al, JCU 1991; **19:** 93
real-time ultrasound evaluation of tuberculous pleural effusions, Martinez OC; Serrano BV; Romero RR, JCU 1989; **17:** 407
ultrasound in the diagnosis of the juxta-pleural lesion, Bradley MJ; Metreweli C, Br J Radiol 1991; **64:** 330

Pleuritis
apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727
shrinking pleuritis with lobar atelectasis: a morphologic variant of "round atelectasis", (ab), Chung-Park M; Tomashefski JF Jr; Cohen AM; et al, Radiology 1989; **173:** 592

Pneumatosis intestinalis
See Intestines, cysts

Pneumocephalus
diffuse pneumocephalus from *Clostridium perfringens* meningitis: CT findings, Klein MA; Kelly JK; Jacobs IG, AJNR 1989; **10:** 447
dural sinus air without head trauma or surgery: CT demonstration, Canavan L; Osborn RE, JCAT 1991; **15:** 526
spontaneous bronchial-subarachnoid fistula: an unusual cause of pneumocephalus, Lerner EJ; Bilaniuk LT, AJNR 1989; **10:** S103
"spontaneous" pneumocephalus associated with aerobic bacteremia, Tanaka T; Takagi D; Takeyama N; et al, Clin Imag 1989; **13:** 134
spontaneous pneumocephalus with meningitis: CT demonstration, Finelli PF; Bergen R, JCAT 1991; **15:** 525

Pneumoconiosis
assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Remy-Jardin M; Remy J; Deffontaines C; Duhamel A, Radiology 1991; **181:** 157
chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111
chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C, Radiology 1991; **179:** 123
coal worker's pneumoconiosis: CT assessment in exposed workers and correlation with radiographic findings, Remy-Jardin M; Degreef JM; Beuscart R; Voisin C; Remy J, Radiology 1990; **177:** 363
occupational lung disease, McLoud TC, Radiol Clin North Am 1991; **29:** 931
pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22
quantitative computer-aided analysis of lung texture in chest radiographs, Katsuragawa S; Doi K; MacMahon H; Nakamori N; Sasaki Y; Fennessy JJ, Radiographics 1990; **10:** 257
radiographic type p pneumoconiosis: high-resolution CT, Akira M; Higashihara T; Yokoyama K; Yamamoto S; Kita N; Morimoto S; Ikezoe J; Kozuka T, Radiology 1989; **171:** 117
subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J, Radiology 1990; **177:** 133

Pneumomediastinum
chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH, Radiology 1989; **172:** 459
clinico-radiological correlates in rupture of the major airways, Spencer JA; Rogers CE; Westaby S, Clin Radiol 1991; **43:** 371
pneumomediastinum caused by foreign body aspiration in children, Burton EM; Riggs W Jr; Kaufman RA; et al, Pediatr Radiol 1989; **20:** 45
retrocardiac pneumomediastinum: radiographic finding and clinical implications, (ab), Rosenfeld DL; Cordell CE; Jadeja N, Radiology 1990; **176:** 296

Pneumonectomy
See Lung, surgery

Pneumonia
See Lung, infection

Pneumonitis
cavitating and noncavitating granuloma in AIDS patients with *Pneumocystis* pneumonitis, Klein JS; Warnock M; Webb WR; et al, AJR 1989; **152:** 753
differentiation of bronchogenic carcinoma from postobstructive pneumonitis by magnetic resonance imaging: histopathologic correlation, Bourgouin PM; McLoud TC; Fitzgibbon JF; et al, J Thorac Imag 1991; **6-2:** 22
diffuse gallium-67 uptake in radiation pneumonitis, Kataoka M; Kawamura M; Ueda N; et al, Clin Nucl Med 1990; **15:** 707
fatal respiratory syncytial virus pneumonitis in a previously healthy child, (ab), Kurlandsky LE; French G; Webb PM; et al, Radiology 1989; **171:** 295
gallium-67 lung uptake in extrinsic hypersensitivity pneumonitis, Nimkin K; Oates E, Clin Nucl Med 1989; **14:** 451
lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717
radiation pneumonitis in breast cancer patients treated with conservative surgery and radiation therapy, Lingos TI; Recht A; Vicini F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 355

Pneumonitis, hypersensitivity
agricultural disorders of the lung, Gurney JW; Unger JM; Dobry CA; Mitby JK; Von Essen SG, Radiographics 1991; **11:** 625
high-resolution computed tomography in extrinsic allergic alveolitis, Hansell DM; Moskovic E, Clin Radiol 1991; **43:** 8
hypersensitivity pneumonitis: evaluation with CT, Silver SF; Müller NL; Miller RR; Lefcoe MS, Radiology 1989; **173:** 441

Pneumonitis, usual interstitial
mediastinal lymph node enlargement on CT scans in patients with usual interstitial pneumonitis, Bergin CJ; Castellino RA, AJR 1990; **154:** 251

Pneumopericardium
neonatal pneumopericardium with high-frequency ventilation, (ab), Neal RC; Beck DE; Smith VC; et al, Radiology 1989; **173:** 588

Pneumoperitoneum
air in the fissure for the ligamentum teres: new sign of intraperitoneal air on plain radiographs, Cho KC; Baker SR, Radiology 1991; **178:** 489
colonic perforation: complication of automatic implantable cardioverter defibrillator placement, Krebs TL; Austin JHM, Radiology 1989; **172:** 708
diagnosis of pneumoperitoneum on supine abdominal radiographs, Levine MS; Scheiner JD; Rubesin SE; et al, AJR 1991; **156:** 731
free intra-peritoneal gas—an unusual aetiology, Slonim L; Ross A, Australas Radiol 1990; **34:** 168
neonatal necrotizing enterocolitis: air in Morison pouch, Brill PW; Olson SR; Winchester P, Radiology 1990; **174:** 469
pneumoperitoneum resembling air in the biliary tree: CT features, Sanders LM; Premkumar A; Levy HM; et al, JCAT 1989; **13:** 817
pneumoperitoneum with catamenial pneumothorax, Downey DB; Towers MJ; Poon PY; et al, AJR 1990; **155:** 29
sonographic detection of pneumoperitoneum in patients with acute abdomen, Lee DH; Lim JH; Ko YT; et al, AJR 1990; **154:** 107

traumatic pneumoperitoneum: implications of computed tomography diagnosis, Kane NM; Francis IR; Burney RE; et al, Invest Radiol 1991; **26:** 574

Pneumorrhachis

epidural pneumatosis: a benign entity in trauma patients, Willing SJ, AJNR 1991; **12:** 345

traumatic pneumosaccus, Prins TR; Vencken LM, Neuroradiol 1989; **31:** 290

Pneumothorax

accuracy of digital radiography using stimulable phosphor for diagnosis of pneumothorax, Kehler M; Albrechtsson U; Andrésdóttir A; et al, Acta Radiol 1990; **31:** 47

bilateral pneumothorax as a presenting feature of metastatic angiosarcoma of the scalp, Lawton PA; Knowles S; Karp SJ; et al, Br J Radiol 1990; **63:** 132

chest CT combined with artificial pneumothorax: value in determining origin and extent of tumor, Watanabe A; Shimokata K; Saka H; et al, AJR 1991; **156:** 707

chest pain and dyspnea related to "crack" cocaine smoking: value of chest radiography, Eurman DW; Potash HI; Eyler WR; Paganussi PJ; Beute GH, Radiology 1989; **172:** 459

clinico-radiological correlates in rupture of the major airways, Spencer JA; Rogers CE; Westaby S, Clin Radiol 1991; **43:** 371

complications after CT-guided needle biopsy through aerated versus nonaerated lung, Haramati LB; Austin JHM, Radiology 1991; **181:** 778

computed tomography in the etiologic assessment of idiopathic spontaneous pneumothorax, (ab), Lesur O; Delorme N; Fromaget JM; et al, Radiology 1991; **178:** 587

CT and chest radiography are equally sensitive in the detection of pneumothorax after CT-guided pulmonary interventional procedures, Murphy FB; Small WC; Wichman RD; et al, AJR 1990; **154:** 45

delayed sequelae of pulmonary barotrauma, Cooper M; MacKeen AD; Janigan DT; et al, J Canad Assoc Radiol 1989; **40:** 232

detection of pneumothorax: comparison of digital and conventional chest imaging, Fajardo LL; Hillman BJ; Pond GD; et al, AJR 1989; **152:** 475

effect of patient positioning after needle aspiration lung biopsy, Moore EH; LeBlanc J; Montesi SA; Richardson ML; Shepard JO; McLoud TC, Radiology 1991; **181:** 385

factors affecting the development of pneumothorax associated with thoracentesis, Raptopoulos V; Davis LM; Lee G; et al, AJR 1991; **156:** 917

inadvertent tracheobronchial placement of feeding tubes, McLean GK; Meranze SG; Burke DR, Radiology 1989; **170:** 278

intrapleural tetracycline for the prevention of recurrent spontaneous pneumothorax: results of a Department of Veterans Affairs Cooperative Study, (ab), Light RW; O'Hara VS; Moritz TE; et al, JVIR 1991; **2:** 291

mediastinal pseudomass caused by compression of the thymus in neonates with anterior pneumothorax, O'Keeffe FN; Swischuk LE; Stansberry SD, AJR 1991; **156:** 145

one-piece unit for treatment of pneumothorax complicating needle biopsy: evaluation in 10 patients, Molina PL; Solomon SL; Glazer HS; et al, AJR 1990; **155:** 31

pneumocystis carinii pneumonia: spectrum of parenchymal CT findings, Kuhlman JE; Kavuru M; Fishman EK; Siegelman SS, Radiology 1990; **175:** 711

pneumoperitoneum with catamenial pneumothorax, Downey DB; Towers MJ; Poon PY; et al, AJR 1990; **155:** 29

pneumothorax: appearance on lateral chest radiographs, Glazer HS; Anderson DJ; Wilson BS; Molina PL; Sagel SS, Radiology 1989; **173:** 707

pneumothorax following transbronchial biopsy: low diagnostic yield with routine chest roentgenograms, (ab), Frazier WD; Pope TL Jr; Findley LJ, Radiology 1990; **176:** 887

pneumothorax in cystic fibrosis: a 26-year experience, (ab), Spector ML; Stern RC, Radiology 1989; **172:** 883

pneumothorax resulting from acupuncture, Gray R; Maharajh GS; Hyland R, J Canad Assoc Radiol 1991; **42:** 139

positional precautions in needle aspiration lung biopsy, Moore EH; Shepard JO; McLoud TC; Templeton PA; Kosiuk JP, Radiology 1990; **175:** 733

preventing pneumothorax after lung biopsy: the roll-over technique, Cassel DM; Birnberg FA, Radiology 1990; **174:** 282

prospective study of the yield of physical examination compared with chest radiography in penetrating thoracic trauma, (ab), Thomson SR; Huizinga WKJ; Hirshberg A, Radiology 1991; **179:** 293

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; **174:** 775

role of atmospheric pressure variation in the development of spontaneous pneumothoraces, (ab), Scott GC; Berger R; McKean HE, Radiology 1989; **172:** 883

role of small calibre chest tube drainage for iatrogenic pneumothorax, (ab), Laub M; Milman N; Müller D; et al, Radiology 1991; **180:** 293

scintigraphic pattern of pneumothorax complicating pneumocystis carinii *Pneumonia* in patients with AIDS, Finestone H; Goldfarb CR; Ongseng F; et al, Clin Nucl Med 1990; **15:** 566

spontaneous pneumothorax caused by metastatic hemangioendothelioma: radiographic appearance and pathologic correlation, Takashima S; Takeuchi N; Morimoto S; et al, Acta Radiol 1989; **30:** 181

spontaneous pneumothorax in patients irradiated for Hodgkin's disease and other malignent lymphomas, Pezner RD; Horak DA; Sayegh HO; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 193

spontaneous pneumothorax with metastatic seminoma, Chippindale AJ; Patel B; Eddleston B, Br J Radiol 1989; **62:** 1100

submarine escape training, lung cysts and tension pneumothorax, Saywell WR, Br J Radiol 1989; **62:** 276

thin-walled cavities, cysts, and pneumothorax in *Pneumocystis carinii* pneumonia: further observations with histopathologic correlation, Feuerstein IM; Archer A; Pluda JM; Francis PS; Falloon J; Masur H; Pass HI; Travis WD, Radiology 1990; **174:** 697

thoracoscopic ablation of blebs in the treatment of recurrent or persistent spontaneous pneumothorax, (ab), Wakabayashi A, Radiology 1990; **176:** 294

torsion of the upper lobe in pneumothorax, Berkmen YM; Yankelevitz D; Davis SD; Zanzonico P, Radiology 1989; **173:** 447

treatment of pleural effusions and pneumothorax with catheters placed percutaneously under imaging guidance, Reinhold C; Illescas FF; Atri M; et al, AJR 1989; **152:** 1189

treatment of pneumothoraces utilizing small caliber chest tubes, (ab), Conces DJ Jr; Tarver RD; Gary WC; et al, Radiology 1989; **170:** 582

tumor invasion of the chest wall and mediastinum in lung cancer: evaluation with pneumothorax CT, Yokoi K; Mori K; Miyazawa N; Saito Y; Okuyama A; Sasagawa M, Radiology 1991; **181:** 147

usefulness of the blood patch technique after transthoracic needle aspiration biopsy, Herman SJ; Weisbrod GL, Radiology 1990; **176:** 395

POEMS syndrome

case report 572, Brandon C; Martel W; Weatherbee L; et al, Skeletal Radiol 1989; **18:** 542

case report 646, Bessler W; Antonucci F; Stamm B; et al, Skeletal Radiol 1991; **20:** 212

POEMS syndrome: a rare variety of plasma cell dyscrasia, Aggarwal S; Goulatia RK; Sood A; et al, AJR 1990; **155:** 339

Poisons and poisoning

acute arsenic toxicity—an opaque poison, Gray JR; Khalil A; Prior JC, J Canad Assoc Radiol 1989; **40:** 226

agricultural disorders of the lung, Gurney JW; Unger JM; Dobry CA; Mitby JK; Von Essen SG, Radiographics 1991; **11:** 625

altered biodistribution of gallium-67 in a patient with aluminum toxicity treated with desferoxamine, Brown SJ; Slizofski WJ; Dadparvar S, J Nucl Med 1990; **31:** 115

cerebral CT of lethal ethylene glycol intoxication with pathologic correlation, Zeiss J; Velasco ME; McCann KM; et al, AJNR 1989; **10:** 440

chronic arsenic poisoning as a cause of increased hepatic density with CT, Dick L; Parker LA; Mauro MA, JCAT 1990; **14:** 828

gallium-67 imaging: chloroquine overdose, Havens PL; Sty JR; Wells RG, Clin Nucl Med 1989; **14:** 135

immobilization-related lead toxicity in previously lead-poisoned children, (ab), Markowitz ME; Weinberger HL, Radiology 1991; **178:** 900

magnetic resonance imaging in toxic encephalopathy due to podophyllin poisoning, Chan YW, Neuroradiol 1991; **33:** 372

methanol poisoning: bilateral putaminal and cerebellar cortical lesions on CT and MR, Chen JC; Schneiderman JF; Wortzman G, JCAT 1991; **15:** 522

pulmonary edema due to ingestion of organophosphate insecticide, Li C; Miller WT; Jiang J, AJR 1989; **152:** 265

Polyarteritis nodosa

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Polychondritis

clinico-radiologic-pathologic conference: diffuse thickening of the tracheal wall, Müller NL; Miller RR; Ostrow DN; et al, J Canad Assoc Radiol 1989; **40:** 213

peripheral bronchial involvement in relapsing polychondritis: demonstration by thin-section CT, Davis SD; Berkmen YM; King T, AJR 1989; **153:** 953

radiological manifestations of relapsing polychondritis, Booth A; Dieppe PA; Goddard PL; et al, Clin Radiol 1989; **40:** 147

Polycythemia

echobright kidney in primary polycythaemia, Wagner U; Ponhold W; Waldhauser F; et al, Pediatr Radiol 1989; **19:** 440

exercise-induced changes in left ventricular function after phlebotomy in patients with polycythemic COPD, Milne N; Light RW; Chetty KG, J Thorac Imag 1990; **5-3:** 68

Polyps

See Colon, neoplasms; Stomach, neoplasms, etc.

Polyvinyl compounds

mortalities associated with use of a commercial suspension of polyvinyl alcohol, Repa I; Moradian GP; Dehner LP; Tadavarthy SM; Hunter DW; Castaneda-Zuniga WR; Wright GB; Katkov H; Johnson P; Chrenka B; Amplatz K, Radiology 1989; **170:** 395

therapeutic embolization: enhanced radiolabeled monitoring, duCret RP; Adkins MC; Hunter DW; Yedlicka JW; Engeler CM; Castaneda-Zuniga WR; Amplatz K; Sirr SA; Boudreau RJ; Kuni CC; White JG, Radiology 1990; **177:** 571

Popliteal cysts

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Porencephaly

See Brain, cysts

Porphyrin

metalloporphyrins as contrast agents for tumors in magnetic resonance imaging, Place DA; Faustino PJ; Van Zijl PCM; et al, Invest Radiol 1990; **25:** S69

metalloporphyrins as tumor-seeking MRI contrast media and as potential selective treatment sensitizers, Nelson JA; Schmiedl U; Shankland EG, Invest Radiol 1990; **25:** S71

skeletal abnormalities in a case of congenital erythropoietic porphyria, Ito M; Hayashi K; Uetani M; et al, Br J Radiol 1990; **63:** 891

Portal hypertension

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Portal vein

transhepatic portal vein catheterization for localization of insulinomas: a ten-year experience, (ab), Vinik AI; Delbridge L; Moattari R; et al, Radiology 1991; **179:** 592

transjugular intrahepatic portacaval stent shunt: preliminary clinical results, Richter GM; Noeldge G; Palmaz JC; Roessle M; Slegerstetter V; Franke M; Gerok W; Wenz W; Farthman E, Radiology 1990; **174:** 1027

Portal vein, abnormalities

anomalous portal venous connection to the suprahepatic vena cava: sonographic demonstration, Bellah RD; Hayek J; Teele RL, Pediatr Radiol 1989; **20:** 115

intrahepatic portal venous system: variations demonstrated with duplex and color Doppler US, Fraser-Hill MA; Atri M; Bret PM; Aldis AE; Illescas FF; Herschorn SD, Radiology 1990; **177:** 523

multiple collaterals to hepatic infantile hemangioendotheliomas and arteriovenous malformations: effect on embolization, Fellows KE; Hoffer FA; Markowitz RI; O'Neill JA Jr, Radiology 1991; **181:** 813

preduodenal portal vein and anomalous continuation of inferior vena cava: CT findings, Tsuda Y; Nishimura K; Kawakami S; et al, JCAT 1991; **15:** 585

ultrasonographic diagnosis of portal vein cavernous transformation in children, Frider B; Marin AM; Goldberg A, J Ultrasound Med 1989; **8:** 445

variations in the vascular supply to infantile hepatic hemangioendotheliomas, Burrows PE, Radiology 1991; **181:** 631

Portal vein, anatomy

intrahepatic portal venous system: variations demonstrated with duplex and color Doppler US, Fraser-Hill MA; Atri M; Bret PM; Aldis AE; Illescas FF; Herschorn SD, Radiology 1990; **177:** 523

normal portal venous diameter in children, Patriquin HB; Perreault G; Grignon A; et al, Pediatr Radiol 1990; **20:** 451

transhepatic portal venography in potential pediatric liver transplant recipients, Rollins NK; Andrews WS; Barton RE, Radiology 1990; **174:** 262

Portal vein, calcification

umbilical and portal vein calcification following umbilical vein catheterization, Schneider K; Hartl M; Fendel H, Pediatr Radiol 1989; **19:** 468

Portal vein, CT

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

computed tomography demonstration of portal venous gas after hepatic artery embolization, McCarthy P; Adam A; Jackson J; et al, Br J Radiol 1990; **63:** 647

computed tomography of portal vein thrombosis: unusual appearances and pitfalls in diagnosis, Martin K; Balfe DM; Lee JKT, JCAT 1989; **13:** 811

liver hypertrophy and portal hypertension in association with tumor thrombus in the portal vein: CT findings, Imaeda T; Sone Y; Yamawaki Y; et al, JCAT 1991; **15:** 542

septic thrombosis of the portal vein: CT and clinical observations, Lim GM; Jeffrey RB Jr; Ralls PW; et al, JCAT 1989; **13:** 656

tumor thrombus in the branches of the distal portal vein: CT demonstration, Imaeda T; Yamawaki Y; Hirota K; et al, JCAT 1989; **13:** 262

Portal vein, flow dynamics

air in the portal vein: sonographic and Doppler manifestations, Lafortune M; Trinh BC; Burns PN; Breton G; Burke M; Déry R; Gianfelice D; Philie M; Côté J, Radiology 1991; **180:** 667

changes in portal blood flow consequent to partial hepatectomy: Doppler estimation, Kawasaki T; Moriyasu F; Kimura T; Someda H; Fukuda Y; Ozawa K, Radiology 1991; **180:** 373

effects of a meal on normal and hypertensive portal venous system: a quantitative ultrasonographic assessment, Goyal AK; Pokharna DS; Sharma SK, Gastrointest Radiol 1989; **14:** 164

hemodynamic significance of the paraumbilical vein in portal hypertension: assessment with duplex US, Mostbeck GH; Wittich GR; Herold C; Vergesslich KA; Walter RM; Frotz S; Sommer G, Radiology 1989; **170:** 339

MR angiography and dynamic flow evaluation of the portal venous system, Edelman RR; Zhao B; Liu CP; et al, AJR 1989; **153:** 755

portal blood flow in congestive heart failure: pulsed duplex sonographic findings, Hosoki T; Arisawa J; Marukawa T; Tokunaga K; Kuroda C; Kozuka T; Nakano S, Radiology 1990; **174:** 733

portal blood flow: measurement with MR imaging, Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H, Radiology 1989; **173:** 639

portal hemodynamics in idiopathic portal hypertension (Banti's syndrome): comparison with chronic persistent hepatitis and normal subjects, (ab), Ohnishi K; Saito M; Sato S; et al, Radiology 1989; **170:** 900

portal-systemic encephalopathy: presence of basal ganglia lesions with high signal intensity on MR images, Inoue E; Hori S; Narumi Y; Fujita M; Kuriyama K; Kadota T; Kuroda C, Radiology 1991; **179:** 551

portal venous blood flow in cystic fibrosis: assessment by duplex Doppler sonography, Vergesslich KA; Götz M; Mostbeck GH; et al, Pediatr Radiol 1989; **19:** 371

pulsatile portal vein flow: a sign of tricuspid regurgitation on duplex Doppler sonography, Abu-Yousef MM; Milam SG; Farner RM, AJR 1990; **155:** 785

pulsatile portal vein in cases of congestive heart failure: correlation of duplex Doppler findings with right atrial pressures, Duerinckx AJ; Grant EG; Perrella RR; Szeto A; Tessler FN, Radiology 1990; **176:** 655

response of the portal vein to an oral glucose load, Goldberg REA; Rada C; Knelson M; et al, JCU 1990; **18:** 691

Portal vein, gas

air in the portal vein: sonographic and Doppler manifestations, Lafortune M; Trinh BC; Burns PN; Breton G; Burke M; Déry R; Gianfelice D; Philie M; Côté J, Radiology 1991; **180:** 667

combined systemic and portal venous gas: sonographic and CT detection in two cases, Kriegshauser JS; Reading CC; King BF; et al, AJR 1990; **154:** 1219

computed tomography demonstration of portal venous gas after hepatic artery embolization, McCarthy P; Adam A; Jackson J; et al, Br J Radiol 1990; **63:** 647

portal venous gas after hepatic transplantation: sonographic detection and clinical significance, Chezmar JL; Nelson RC; Bernardino ME, AJR 1989; **153:** 1203

spontaneous portal venous gas in a patient with Crohn's ileocolitis, Delamarre J; Capron J-P; Dupas J-L; et al, Gastrointest Radiol 1991; **16:** 38

ultrasound in detection of portal venous gas in adults, Bodewes HW; Puylaert JBCM, Gastrointest Radiol 1991; **16:** 35

Portal vein, MR

distinction of hepatic vein from portal vein by MR imaging, Otake S; Matsuo M; Kuroda Y, JCAT 1990; **14:** 201

intrahepatic periportal abnormal intensity on MR images: an indication of various hepatobiliary diseases, Matsui O; Kadoya M; Takashima T; Kameyama T; Yoshikawa J; Tamura S, Radiology 1989; **171:** 335

liver transplantation: MR angiography with surgical validation, Finn JP; Edelman RR; Jenkins RL; Lewis WD; Longmaid HE; Kane RA; Stokes KR; Mattle HP; Clouse ME, Radiology 1991; **179:** 265

magnetic resonance imaging of macroscopic intrahepatic portal-hepatic venous shunts, Araki T; Ohtomo K; Kachi K; et al, Gastrointest Radiol 1991; **16:** 221

MR angiography and dynamic flow evaluation of the portal venous system, Edelman RR; Zhao B; Liu CP; et al, AJR 1989; **153:** 755

MR imaging of the portal venous system: value of gradient-echo imaging as an adjunct to spin-echo imaging, Silverman PM; Patt RH; Garra BS; et al, AJR 1991; **157:** 297

portal blood flow: measurement with MR imaging, Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H, Radiology 1989; **173:** 639

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

Portal vein, neoplasms

hepatofugal arterial signal in the main portal vein: an indicator of intravascular tumor spread, Pozniak MA; Baus KM, Radiology 1991; **180:** 663

new projection for portography, Tamura S; Kodama T; Samejima M; Yuki Y; Watanabe K, Radiology 1989; **173:** 279

portal venous tumor thrombosis associated with gastric adenocarcinoma, Araki T; Suda K; Sekikawa T; Ishii Y; Hihara T; Kachi K, Radiology 1990; **174:** 811

sonographic diagnosis of portal vein invasion in patients with hepatocellular carcinoma: comparison with arterial portography, Price J; Chan M; Hamilton-Wood C; et al, Clin Radiol 1990; **41:** 9

Portal vein, radionuclide studies

portosystemic collaterals in portal hypertension: visualization by using blood-pool SPECT imaging, Kashiwagi T; Kimura K; Kozuka T; et al, AJR 1989; **153:** 281

Portal vein, stenosis or obstruction

hepatic actinomycosis with portal vein occlusion, Cheng YF; Hung CF; Liu YH; et al, Gastrointest Radiol 1989; **14:** 268

hepatic perfusion in cavernous transformation of the portal vein: evaluation by using CT angiography, Nakao N; Miura K; Takahashi H; et al, AJR 1989; **152:** 985

pediatric case of the day, Nimkin K; Griscom NT, Radiographics 1991; **11:** 338

percutaneous transhepatic portal vein angioplasty and stent placement after liver transplantation: early experience, Olcott EW; Ring EJ; Roberts JP; Ascher NL; Lake JR; Gordon RL, JVIR 1990; **1:** 17

Portal vein, therapeutic blockade

preoperative portal embolization to increase safety of major hepatectomy for hilar bile duct carcinoma: a preliminary report, (ab), Makuuchi M; Le Thai B; Takayasu K; et al, JVIR 1990; **1:** 140

Portal vein, thrombosis

calcified splenic and portal vein thrombosis: an unusual cause of multiple high amplitude echoes in the spleen, Logan H; Meire H, Br J Radiol 1991; **64:** 366

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

computed tomography of portal vein thrombosis: unusual appearances and pitfalls in diagnosis, Martin K; Balfe DM; Lee JKT, JCAT 1989; **13:** 811

diagnosis of portal vein thrombosis: value of color Doppler imaging, Tessler FN; Gehring BJ; Gomes AS; et al, AJR 1991; **157:** 293

duplex pulsed Doppler sonography of portal vein thrombosis in hepatocellular carcinoma, Wang L-Y; Lin Z-Y; Chang W-Y; et al, J Ultrasound Med 1991; **10:** 265

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; **170:** 733

imaging diagnosis of portal tumor thrombus secondary to gastric cancer, Takayasu K; Tajiri H; Noguchi M; et al, Gastrointest Radiol 1989; **14:** 161

incidence of portal vein thrombosis complicating liver metastasis as detected by duplex ultrasound, Atri M; de Stempel J; Bret PM; et al, J Ultrasound Med 1990; **9:** 285

liver transplantation: MR angiography with surgical validation, Finn JP; Edelman RR; Jenkins RL; Lewis WD; Longmaid HE; Kane RA; Stokes KR; Mattle HP; Clouse ME, Radiology 1991; **179:** 265

percutaneous transhepatic portal vein angioplasty and stent placement after liver transplantation: early experience, Olcott EW; Ring EJ; Roberts JP; Ascher NL; Lake JR; Gordon RL, JVIR 1990; **1:** 17

portal thrombosis: percutaneous transhepatic treatment with urokinase—a case report, Bilbao JI; Rodriguez-Cabello J; Longo JM; et al, Gastrointest Radiol 1989; **14:** 326

portal vein thrombosis in Crohn's disease, Brinberg DE; Stefansson TB; Greicius FA; et al, Gastrointest Radiol 1991; **16:** 245

portal venous tumor thrombosis associated with gastric adenocarcinoma, Araki T; Suda K; Sekikawa T; Ishii Y; Hihara T; Kachi K, Radiology 1990; **174:** 811

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

septic thrombosis of the portal vein: CT and clinical observations, Lim GM; Jeffrey RB Jr; Ralls PW; et al, JCAT 1989; **13:** 656

spectrum of portal vein thrombosis in liver transplantation, (ab), Stieber AC; Zetti G; Todo S; et al, JVIR 1991; **2:** 420

splenic and portal venous thrombosis: a vascular complication of pancreatic disease demonstrated on computed tomography, Belli AM; Jennings CM; Nakielny RA, Clin Radiol 1990; **41:** 13

Portal vein, US

alcoholic liver disease: value of the left-to-right portal vein ratio in its sonographic diagnosis, Trigaux J-PP; Van Beers BE; Melange M; et al, Gastrointest Radiol 1991; **16:** 215

anatomic relationship of intrahepatic bile ducts to portal veins, Lim JH; Ryu KN; Ko YT; et al, J Ultrasound Med 1990; **9:** 137

anomalous portal venous connection to the suprahepatic vena cava: sonographic demonstration, Bellah RD; Hayek J; Teele RL, Pediatr Radiol 1989; **20:** 115

changes in portal blood flow consequent to partial hepatectomy: Doppler estimation, Kawasaki T; Moriyasu F; Kimura T; Someda H; Fukuda Y; Ozawa K, Radiology 1991; **180:** 373

color Doppler sonography of portocaval shunts, Ralls PW; Lee KP; Mayekawa DS; et al, JCU 1990; **18:** 379

color Doppler sonography of the hepatic artery and portal venous system, Ralls PW, AJR 1990; **155:** 517

complicated appendiceal inflammatory disease in children: pylephlebitis and liver abscess, Slovis TL; Haller JO; Cohen HL; Berdon WE; Watts FB Jr, Radiology 1989; **171:** 823

diagnosis of portal vein thrombosis: value of color Doppler imaging, Tessler FN; Gehring BJ; Gomes AS; et al, AJR 1991, **157:** 293

duplex pulsed Doppler sonography of portal vein thrombosis in hepatocellular carcinoma, Wang L-Y; Lin Z-Y; Chang W-Y; et al, J Ultrasound Med 1991; **10:** 265

duplex sonography of the portal venous system: pitfalls and limitations, Parvey HR; Eisenberg RL; Giyanani V; et al, AJR 1989; **152:** 765

effects of a meal on normal and hypertensive portal venous system: a quantitative ultrasonographic assessment, Goyal AK; Pokharna DS; Sharma SK, Gastrointest Radiol 1989; **14:** 164

hemodynamic significance of the paraumbilical vein in portal hypertension: assessment with duplex US, Mostbeck GH; Wittich GR; Herold C; Vergesslich KA; Walter RM; Frotz S; Sommer G, Radiology 1989; **170:** 339

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; **170:** 733

hepatofugal arterial signal in the main portal vein: an indicator of intravascular tumor spread, Pozniak MA; Baus KM, Radiology 1991; **180:** 663

intrahepatic portal venous system: variations demonstrated with duplex and color Doppler US, Fraser-Hill MA; Atri M; Bret PM; Aldis AE; Illescas FF; Herschorn SD, Radiology 1990; **177:** 523

portal blood flow in congestive heart failure: pulsed duplex sonographic findings, Hosoki T; Arisawa J; Marukawa T; Tokunaga K; Kuroda C; Kozuka T; Nakano S, Radiology 1990; **174:** 733

portal venous blood flow in cystic fibrosis: assessment by duplex Doppler sonography, Vergesslich KA; Götz M; Mostbeck GH; et al, Pediatr Radiol 1989; **19:** 371

portal venous system after portosystemic shunts or endoscopic sclerotherapy: evaluation with Doppler sonography, Rice S; Lee KP; Johnson MB; et al, AJR 1991; **156:** 85

pseudoportal Doppler signal in the partially obstructed inferior vena cava, Keller MS; Taylor KJW; Riely CA, Radiology 1989; **170:** 475

pulsatile portal vein flow: a sign of tricuspid regurgitation on duplex Doppler sonography, Abu-Yousef MM; Milam SG; Farner RM, AJR 1990; **155:** 785

pulsatile portal vein in cases of congestive heart failure: correlation of duplex Doppler findings with right atrial pressures, Duerinckx AJ; Grant EG; Perrella RR; Szeto A; Tessler FN, Radiology 1990; **176:** 655

sonographic diagnosis of portal vein invasion in patients with hepatocellular carcinoma: comparison with arterial portography, Price J; Chan M; Hamilton-Wood C; et al, Clin Radiol 1990; **41:** 9

ultrasonic measurements of portal vasculature in diagnosis of portal hypertension: a controversial subject reviewed, Goyal AK; Pokharna DS; Sharma SK, J Ultrasound Med 1990; **9:** 45

ultrasonographic diagnosis of portal vein cavernous transformation in children, Frider B; Marin AM; Goldberg A, J Ultrasound Med 1989; **8:** 445

ultrasound case of the day, Lee RA; Lewis BD, Radiographics 1990; **10:** 369

ultrasound in detection of portal venous gas in adults, Bodewes HW; Puylaert JBCM, Gastrointest Radiol 1991; **16:** 35

Portography

detection of focal hepatic masses: prospective evaluation with CT, delayed CT, CT during arterial portography, and MR imaging, Heiken JP; Weyman PJ; Lee JKT; Balfe DM; Picus D; Brunt EM; Flye MW, Radiology 1989; **171:** 47

detection of hepatocellular carcinoma: comparison of CT during arterial portography with CT after intraarterial injection of iodized oil, Merine D; Takayasu K; Wakao F, Radiology 1990; **175:** 707

hepatic pseudolesion: appearance of focal low attenuation in the medial segment of the left lobe at CT arterial portography, Fernandez MdP; Bernardino ME, Radiology 1991; **181:** 809

hepatic tumors: comparison of CT during arterial portography, delayed CT, and MR imaging for preoperative evaluation, Nelson RC; Chezmar JL; Sugarbaker PH; Bernardino ME, Radiology 1989; **172:** 27

intraarterial portography with gadopentetate dimeglumine: improved liver-to-lesion contrast in MR imaging, Pavone P; Giuliani S; Cardone G; Occhiato R; Di Renzi P; Petroni GA; Buoni C; Passariello R, Radiology 1991; **179:** 693

nontumorous attenuation differences on computed tomographic portography, Van Beers BE; Pringot J; Gigot J-F; et al, Gastrointest Radiol 1990; **15:** 107

preoperative localization of focal liver lesions to specific liver segments: utility of CT during arterial portography, Nelson RC; Chezmar JL; Sugarbaker PH; Murray DR; Bernardino ME, Radiology 1990; **176:** 89

preoperative segmental localization of hepatic metastases: utility of three-dimensional CT during arterial portography, Soyer P; Roche A; Gad M; Shapeero L; Breittmayer F; Elias D; Lasser P; Rougier P; Levesque M, Radiology 1991; **180:** 653

segmental liver anatomy, Martí-Bonmatí L, Radiology 1991; **179:** 585

segmental liver anatomy: reply, Nelson RC; Chezmar JL; Murray DR; Bernardino ME, Radiology 1991; **179:** 585

straight line sign: appearance and significance during CT portography, Tyrrel RT; Kaufman SL; Bernardino ME, Radiology 1989; **173:** 635

Portography, technology

new projection for portography, Tamura S; Kodama T; Samejima M; Yuki Y; Watanabe K, Radiology 1989; **173:** 279

splenoportovenography in portal hypertension: a safe outpatient procedure, Dilawari JB; Chawla YK; Raju GS; et al, J Canad Assoc Radiol 1990; **41:** 146

Positron imaging

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Posterior fossa

growth of totally thrombosed giant aneurysm within the posterior cranial fossa: diagnostic and therapeutic considerations, Katayama Y; Tsubokawa T; Miyazaki S; et al, Neuroradiol 1991; **33:** 168

Posterior fossa, abnormalities

venous anomalies and abnormalities of the posterior fossa, Goulao A; Alvarez H; Monaco RG; et al, Neuroradiol 1990; **31:** 476

Posterior fossa, CT

composite addition technique: a new method in CT scanning of the posterior fossa, Levy JM; Hupke R, AJNR 1991; **12:** 686

Posterior fossa, cysts

dense dermoid cyst of the posterior fossa, Drolshagen LF; Standefer M, AJNR 1991; **12:** 317

intraosseous location of posterior fossa posttraumatic leptomeningeal cyst: demonstration by computerized tomography, Palaoglu S; Beskonakli E; Senel K; et al, Neuroradiol 1990; **32:** 78

prenatal diagnosis of a posterior fossa cyst, Raman S; Rachagan SP; Lim CT, JCU 1991; **19:** 434

revised classification of posterior fossa cysts and cystlike malformations based on the results of multiplanar MR imaging, Barkovich AJ; Kjos BO; Norman D; et al, AJNR 1989; **10:** 977

revised classification of posterior fossa cysts and cystlike malformations based on the results of multiplanar MR imaging, Barkovich AJ; Kjos BO; Norman D; et al, AJR 1989; **153:** 1289

scintigraphic demonstration of a large communicating posterior fossa cyst, Dehdashti F; Krasnow AZ; Collier BD; et al, Clin Nucl Med 1989; **14:** 627

simultaneous occurrence of epidermoid and dermoid cysts in the posterior fossa: CT and MR findings, Wilms G; Plets C; Marchal G; et al, AJNR 1990; **11:** 1257

Posterior fossa, hemorrhage

bleeding patterns in ruptured posterior fossa aneurysms: a CT study, Sadato N; Numaguchi Y; Rigamonti D; et al, JCAT 1991; **15:** 612

posterior fossa arteriovenous malformations: angioarchitecture in relation to their hemorrhagic episodes, Monaco RG; Alvarez H; Goulao A; et al, Neuroradiol 1990; **31:** 471

posterior fossa intracranial hemorrhage in infants treated with extracorporeal membrane oxygenation: sonographic findings, Bulas DI; Taylor GA; Fitz CR; et al, AJR 1991; **156:** 571

Posterior fossa, neoplasms

choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement: report of four cases and review of the literature, Girardot C; Boukobza M; Lamoureux J-P; et al, J Neuroradiol 1990; **17:** 303

posterior fossa epidermoid in a member of a kindred with von Hippel–Lindau disease, Aggarwal S; Byrne BD, J Canad Assoc Radiol 1990; **41:** 225

posterior fossa hemangioblastomas: MR imaging, Lee SR; Sanches J; Mark AS; Dillon WP; Norman D; Newton TH, Radiology 1989; **171:** 463

posterior fossa medulloblastoma in childhood: treatment results and a proposal for a new staging system, Jenkin D; Goddard K; Armstrong D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 265

primary myxoma of the posterior fossa, Klein MV; Schwaighofer BW; Sobel DF; et al, Neuroradiol 1990; **32:** 250

Pregnancy

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anatomic changes in the pelvis after uncomplicated vaginal delivery: a CT study on 14 women, Garagiola DM; Tarver RD; Gibson L; et al, AJR 1989; **153:** 1239

sonography of the puerperal uterus, Lavery JP; Shaw LA, J Ultrasound Med 1989; **8:** 481

therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Rasmussen F; Lindequist S; Larsen C; Justesen P, Radiology 1991; **179:** 75

Pregnancy, abnormalities

CT amniography: value in detecting a monoamniotic pair in a triplet pregnancy, Sargent SK; Young W; Crow P; et al, AJR 1991; **156:** 559

cystic encephalomalacia in twin embolization syndrome, Caballero P; Del Campo L; Ocón E, Radiology 1991; **178:** 892

Doppler ultrasonographic evaluaton of abnormal pregnancies in the first trimester, Stabile I; Grudzinskas JG; Campbell S, JCU 1990; **18:** 497

early detection of pathologic pregnancy by transvaginal sonography, Goldstein SR, JCU 1990; **18:** 262

endovaginal sonography in very early pregnancy: new observations, Goldstein RB, Radiology 1990; **176:** 7

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length, Tessler FN, Radiology 1991; **178:** 285

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length: reply, Levi CS, Radiology 1991; **178:** 285

endovaginal US: demonstration of cardiac activity in embryos of less than 5.0 mm in crown-rump length, Levi CS; Lyons EA; Zheng XH; Lindsay DJ; Holt SC, Radiology 1990; **176:** 71

extra-amniotic pregnancy: a trip to the extraembryonic coelom, Jeanty P; Laucirica R; Luna SK, J Ultrasound Med 1990; **9:** 733

extrauterine findings of ectopic pregnancy at transvaginal US: importance of echogenic fluid, Nyberg DA; Hughes MP; Mack LA; Wang KY, Radiology 1991; **178:** 823

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Hughes MD; Nyberg DA; Mack LA; Pretorius DH, Radiology 1989; **173:** 371

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Poznanski AK, Radiology 1990; **177:** 883

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome: reply, Nyberg DA; Hughes MD; Mack LA; Pretorius DH, Radiology 1990; **177:** 883

pseudogestational sacs: Doppler US differentiation from normal or abnormal intrauterine pregnancies, Dillon EH; Feyock AL; Taylor KJW, Radiology 1990; **176:** 359

small sac size in the first trimester: a predictor of poor fetal outcome, Bromley B; Harlow BL; Laboda LA; Benacerraf BR, Radiology 1991; **178:** 375

sonographic appearance of placental site trophoblastic tumor, Sakamoto C; Oikawa K; Kashimura M; et al, J Ultrasound Med 1990; **9:** 533

transvaginal sonography in the abnormal first trimester, Mendelson EB; Bohm-Velez M; Saker M, Semin US CT MR 1990; **11:** 34

twin embolization syndrome: prenatal sonographic detection and significance, Patten RM; Mack LA; Nyberg DA; Filly RA, Radiology 1989; **173:** 685

uterine ring and fetal demise, Jeanty P; Johns R; Boehm F, J Ultrasound Med 1989; **8:** 635

value of sonography in acute encephalomalacia, Hernanz-Schulman M, Radiology 1991; **180:** 880

value of sonography in acute encephalomalacia: reply, Caballero P, Radiology 1991; **180:** 880

vitelline duct cyst or double yolk sac, Barzilai M; Lyons EA; Levi CS; et al, J Ultrasound Med 1989; **8:** 523

Pregnancy, complications

amniotic fluid volume in large-for-gestational-age fetuses of nondiabetic mothers, Benson CB; Coughlin BF; Doubilet PM, J Ultrasound Med 1991; **10:** 149

brain in eclampsia: MR imaging with clinical correlation, Sanders TG; Clayman DA; Sanchez-Ramos L; Vines FS; Russo L, Radiology 1991; **180:** 475

cerebral, umbilical, and uterine resistance using Doppler velocimetry in postterm pregnancy, Brar HS; Horenstein J; Medearis AL; et al, J Ultrasound Med 1989; **8:** 187

detection of fetal structural malformations by ultrasound in insulin-dependent pregnant women, Pijlman BM; de Koning WB; Wladimiroff JW; et al, Ultrasound Med Biol 1989; **15:** 541

detection of retained products of conception following spontaneous abortion in the first trimester, Kurtz AB; Shlansky-Goldberg RD; Choi HY; et al, J Ultrasound Med 1991; **10:** 387

discordant radioaerosol/radioperfusion in drug-induced maternal pulmonary edema, Sylvester J; Fuentes RT; Holmes RA, Clin Nucl Med 1990; **14:** 686

Doppler evaluation of the fetoplacental circulation in the latent phase of preterm premature rupture of membranes, Santolaya J; Sampson M; Nobles G; et al, J Ultrasound Med 1991; **10:** 327

extrauterine amniotic sac (amniocele): clinical workup in a case of silent uterine rupture, Kushnir O; Tamarkin M; Barkai G; et al, J Ultrasound Med 1990; **9:** 367

first trimester selective reduction in multiple pregnancy guided by transvaginal sonography, Itskovitz J; Boldes R; Thaler I; et al, JCU 1990; **18:** 323

growth of fetuses of diabetic mothers, Todros T; Meriggi E; Catella G; et al, JCU 1989; **17:** 333

hemorrhagic pheochromocytoma in a pregnant patient with neurofibromatosis: sonographic appearance, Strauss S; Pansky M; Lewinsohn G, J Ultrasound Med 1990; **9:** 165

hepatic infarction in preeclampsia, Kronthal AJ; Fishman EK; Kuhlman JE; Bohlman ME, Radiology 1990; **177:** 726

hepatic uptake of technetium-99m HM-PAO in a fetus, Maguire C; Florence S; Powe JE; et al, J Nucl Med 1990; **31:** 237

improving the outcome of cervical cerclage by sonographic follow-up, Rana J; Davis SE; Harrigan JT, J Ultrasound Med 1990; **9:** 275

infection in utero: US findings in 19 cases, Drose JA; Dennis MA; Thickman D, Radiology 1991; **178:** 369

lymphocytic hypophysitis: report of 3 new cases and review of the literature, (ab), Cosman F; Post KD; Holub DA; et al, Radiology 1990; **174:** 904

magnetic resonance evaluation of severe neurological disorders in eclampsia, Vandenplas O; Dive A; Dooms G; et al, Neuroradiol 1990; **32:** 47

MR demonstration of reversible brain abnormalities in eclampsia, Schwaighofer BW; Hesselink JR; Healy ME, JCAT 1989; **13:** 310

MR findings in eclampsia, Dierckx I; Appel B, AJNR 1989; **10:** 445

MR imaging of postpartum cortical blindness, Coughlin WF; McMurdo SK; Reeves T, JCAT 1989; **13:** 572

obstetric duplex sonography in patients with lupus anticoagulant syndrome, Carroll BA, J Ultrasound Med 1990; **9:** 17

pelvic masses in pregnancy: MR imaging, Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE, Radiology 1990; **176:** 709

percutaneous aspiration of the persistent cystic mass of pregnancy: an alternative to surgical removal, Worthen NJ; Gunning J; Miller J, JCU 1990; **18:** 117

percutaneous nephrostomy to relieve renal tract obstruction in pregnancy, Trewhella M; Reid B; Gillespie A; et al, Br J Radiol 1991; **64:** 471

placental vascular resistance using umbilical velocimetry in patients undergoing cesarean section for fetal distress, Brar HS; Platt LD, J Ultrasound Med 1989; **8:** 211

prevalence and significance of subchorionic hemorrhage in threatened abortion: a sonographic study, Pedersen JF; Mantoni M, AJR 1990; **154:** 535

prevalence of lumbosacral intervertebral disk abnormalities on MR images in pregnant and asymptomatic nonpregnant women, Weinreb JC; Wolbarsht LB; Cohen JM; Brown CEL; Maravilla KR, Radiology 1989; **170:** 125

serial renal sonographic changes in preeclampsia, Schutz K; Siffring PA; Forrest TS; et al, J Ultrasound Med 1990; **9:** 415

sonographically demonstrated intra-amniotic hemorrhage following transplacental genetic amniocentesis: frequency, sonographic appearance, and clinical significance, Chinn DH; Towers CV; Beeman RG; et al, J Ultrasound Med 1990; **9:** 495

sonographic appearance of postpartum retropubic hematoma, Al-Naib S, JCU 1990; **18:** 520

sonographic diagnosis of premature cervical dilatation: potential pitfall due to lower uterine segment contractions, Karis JP; Hertzberg BS; Bowie JD, J Ultrasound Med 1991; **10:** 83

sonographic evaluation of maternal disorders during pregnancy, Fleischer AC; Shah DM; Entman SS, Radiol Clin North Am 1990; **28:** 51

sonographic findings in acute puerperal uterine inversion, Hsieh T-T; Lee J-D, JCU 1991; **19:** 306

sonographic findings in maternal hyperthyroidism: fetal hyperthyroidism/fetal goiter, Belfar HL; Foley TP Jr; Hill LM; et al, J Ultrasound Med 1991; **10:** 281

spontaneous hepatic hemorrhage in preeclampsia: treatment with hepatic arterial embolization, Terasaki KK; Quinn MF; Lundell CJ; Finck EJ; Pentecost MJ, Radiology 1990; **174:** 1039

ultrasonic appearance of Asherman's syndrome in the third trimester of pregnancy, Smeele B; Wamsteker K; Sarstadt T; et al, JCU 1989; **17:** 602

ultrasonographic estimation of fetal body composition for children of diabetic mothers, Berstein IM; Catalano PM, Invest Radiol 1991; **26:** 722

ultrasonography of the thyroid during pregnancy, Brander A; Kivisaari L, JCU 1989; **17:** 403

unsuspected sphincter damage following childbirth revealed by anal endosonography, Burnett SJD; Spence-Jones C; Speakman CTM; et al, Br J Radiol 1991; **64:** 225

Pregnancy, ectopic

can the status of tubal pregnancy be predicted with transvaginal sonography? a prospective comparison of sonographic, surgical, and serum hCG findings, Cacciatore B, Radiology 1990; **177:** 481

comparison of transabdominal and endovaginal sonographic approaches in the diagnosis of a case of cervical pregnancy successfully treated with methotrexate, Sherer DM; Abramowicz JS; Thompson HO; et al, J Ultrasound Med 1991; **10:** 409

criteria for transvaginal sonographic diagnosis of ectopic pregnancy, Rottem S; Thaler I; Levron J; et al, JCU 1990; **18:** 274

diagnosis of ectopic pregnancy: endovaginal vs transabdominal sonography, Thorsen MK; Lawson TL; Aiman EJ; et al, AJR 1990; **155:** 307

Doppler ultrasonographic evaluaton of abnormal pregnancies in the first trimester, Stabile I; Grudzinskas JG; Campbell S, JCU 1990; **18:** 497

ectopic pregnancy: duplex Doppler evaluation, Taylor KJW; Ramos IM; Feyock AL; Snower DP; Carter D; Shapiro BS; Meyer WR; De Cherney AH, Radiology 1989; **173:** 93

ectopic pregnancy: features at transvaginal sonography, Fleischer AC; Pennell RG; McKee MS; Worrell JA; Keefe B; Herbert CM III; Hill GA; Cartwright PS; Kepple DM, Radiology 1990; **174:** 375

extrauterine findings of ectopic pregnancy at transvaginal US: importance of echogenic fluid, Nyberg DA; Hughes MP; Mack LA; Wang KY, Radiology 1991; **178:** 823

heterotopic pregnancy diagnosed by endovaginal scanning, Mattox JH; Kolb DJ; Goggin MW; et al, JCU 1989; **17:** 523

imaging of pediatric ovarian masses, Surratt JT; Siegel MJ, Radiographics 1991; **11:** 533

MR appearance of cervical pregnancy, Rafal RB; Kosovsky PA; Markisz JA, JCAT 1990; **14:** 482

ovarian pregnancy resulting in a surviving neonate: ultrasound findings, Belfar H; Heller K; Edelstone DI; et al, J Ultrasound Med 1991; **10:** 465

placental localization in abdominal pregnancy using technetium-99m-labeled red blood cells, Martin B; Payan JM; Jones JS; et al, J Nucl Med 1990; **31:** 1106

prenatal diagnosis of angular pregnancy, Stiller RJ; de Regt RH, JCU 1991; **19:** 374

preoperative sonographic diagnosis of a unilateral tubal twin gestation with documented fetal heart activity, Sherer DM; Liberto L; Woods JR Jr, J Ultrasound Med 1990; **9:** 729

preoperative uterine artery embolization in cervical pregnancy, Meyerovitz MF; Lobel SM; Harrington DP; Bengtson JM, JVIR 1991; **2:** 95

pseudogestational sac of ectopic pregnancy simulating intrauterine pregnancy with transvaginal sonography, Turetsky DB; Alexander AA; Linden SS, JCU 1991; **19:** 120

pseudogestational sacs: Doppler US differentiation from normal or abnormal intrauterine pregnancies, Dillon EH; Feyock AL; Taylor KJW, Radiology 1990; **176:** 359

sonographic demonstration of heterotopic pregnancy: report of two cases, Silver SF; Siu CM; Switzer PJ, J Canad Assoc Radiol 1989; **40:** 316

sonographic determination of tubal rupture in patients with ectopic pregnancy: is it feasible?, Laing FC, Radiology 1990; **177:** 330

sonographic findings in primary ovarian pregnancy, Athey PA; Jayson HT; Estrada R; et al, JCU 1990; **18:** 730

transvaginal sonographic diagnosis of an unruptured interstitial pregnancy, Sherer DM; Allen T; Singh GS; et al, JCU 1990; **18:** 582

transvaginal sonography in evaluating ectopic pregnancy, Bohm-Velez M; Mendelson EB; Freimanis MG, Semin US CT MR 1990; **11:** 44

transvaginal sonography in extrauterine and intrauterine pregnancy, Coleman BG, Semin Roentgenol 1991; **26:** 63

ultrasound evaluation of ectopic pregnancy including correlation with human chorionic gonadotrophin levels, Chambers SE; Muir BB; Haddad NG, Br J Radiol 1990; **63:** 246

use of ultrasound and magnetic resonance imaging in the diagnosis of cervical pregnancy, Bader-Armstrong B; Shah Y; Rubens D, JCU 1989; **17:** 283

value of endovaginal sonography and urinary human chorionic gonadotropin tests for differentiation between intrauterine and ectopic pregnancy, Enk L; Wikland M; Hammarberg K; et al, JCU 1990; **18:** 73

Pregnancy, irradiation in

can prenatal irradiation protect the embryo from tumor development?, Einhorn L, Acta Oncol 1991; **30:** 291

current working practices during pregnancy in British radiologists, Haigh F; Given-Wilson R, Clin Radiol 1991; **44:** 108

fetal dose estimates for CT pelvimetry, Moore MM; Shearer DR, Radiology 1989; **171:** 265

improvement in CT pelvimetry, Wiesen EJ; Crass JR; Bellon EM; Ashmead GG; Cohen AM, Radiology 1991; **178:** 259

Pregnancy, MR

MR appearance of cervical pregnancy, Rafal RB; Kosovsky PA; Markisz JA, JCAT 1990; **14:** 482

pelvic masses in pregnancy: MR imaging, Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE, Radiology 1990; **176:** 709

size and shape of the pituitary gland during pregnancy and post partum: measurement with MR imaging, Elster AD; Sanders TG; Vines FS; Chen MYM, Radiology 1991; **181:** 531

use of ultrasound and magnetic resonance imaging in the diagnosis of cervical pregnancy, Bader-Armstrong B; Shah Y; Rubens D, JCU 1989; **17:** 283

Pregnancy, US

See also Fetus, US

basic ultrasound examination of the uncomplicated pregnancy, Kurtz AB, Radiol Clin North Am 1990; **28:** 1

can the status of tubal pregnancy be predicted with transvaginal sonography? a prospective comparison of sonographic, surgical, and serum hCG findings, Cacciatore B, Radiology 1990; **177:** 481

comparison of transabdominal and endovaginal sonographic approaches in the diagnosis of a case of cervical pregnancy successfully treated with methotrexate, Sherer DM; Abramowicz JS; Thompson HO; et al, J Ultrasound Med 1991; **10:** 409

comparison of transvaginal and abdominal ultrasound in visualizing the first trimester conceptus, Cullen MT; Green JJ; Reece EA; et al, J Ultrasound Med 1989; **8:** 565

constant soft tissue distance model in pregnancy, Carson PL; Rubin JM; Chiang EH, Ultrasound Med Biol 1989; **15:** S27

criteria for transvaginal sonographic diagnosis of ectopic pregnancy, Rottem S; Thaler I; Levron J; et al, JCU 1990; **18:** 274

cystic encephalomalacia in twin embolization syndrome, Caballero P; Del Campo L; Ocón E, Radiology 1991; **178:** 892

discriminatory zone of β-hCG for vaginal probes, Peisner DB; Timor-Tritsch IE, JCU 1990; **18:** 280

Doppler ultrasonographic evaluaton of abnormal pregnancies in the first trimester, Stabile I; Grudzinskas JG; Campbell S, JCU 1990; **18:** 497

duplex Doppler systems in obstetric ultrasound, Carroll BA, Radiol Clin North Am 1990; **28:** 189

earlier diagnosis of fetal anomalies: *quo vadis?*, Filly RA, Radiology 1991; **181:** 627

early detection of pathologic pregnancy by transvaginal sonography, Goldstein SR, JCU 1990; **18:** 262

ectopic pregnancy: duplex Doppler evaluation, Taylor KJW; Ramos IM; Feyock AL; Snower DP; Carter D; Shapiro BS; Meyer WR; De Cherney AH, Radiology 1989; **173:** 93

ectopic pregnancy: features at transvaginal sonography, Fleischer AC; Pennell RG; McKee MS; Worrell JA; Keefe B; Herbert CM III; Hill GA; Cartwright PS; Kepple DM, Radiology 1990; **174:** 375

effects of routine one-stage ultrasound screening in pregnancy: a randomised controlled trial, (ab), Waldenstrom U; Axelsson O; Nilsson S; et al, Radiology 1989; **172:** 587

endoluminal catheter-assisted transcervical US of the human embryo. work in progress, Ragavendra N; McMahon JT; Perrella RR; Tessler FN; Hansen GC; Kimme-Smith C; Grant EG; Crandall BF, Radiology 1991; **181:** 779

endovaginal sonography in very early pregnancy: new observations, Goldstein RB, Radiology 1990; **176:** 7

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length, Tessler FN, Radiology 1991; **178:** 285

endovaginal US: cardiac activity in embryos of less than 5.0 mm in crown-rump length: reply, Levi CS, Radiology 1991; **178:** 285

endovaginal US: demonstration of cardiac activity in embryos of less than 5.0 mm in crown-rump length, Levi CS; Lyons EA; Zheng XH; Lindsay DJ; Holt SC, Radiology 1990; **176:** 71

ethics in obstetric ultrasound, Chervenak FA; McCullough LB, J Ultrasound Med 1989; **8:** 493

extrauterine findings of ectopic pregnancy at transvaginal US: importance of echogenic fluid, Nyberg DA; Hughes MP; Mack LA; Wang KY, Radiology 1991; **178:** 823

fetal and funicular vascular anomalies: identification with prenatal US, Jeanty P, Radiology 1989; **173:** 367

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Hughes MD; Nyberg DA; Mack LA; Pretorius DH, Radiology 1989; **173:** 371

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome, Poznanski AK, Radiology 1990; **177:** 883

fetal omphalocele: prenatal US detection of concurrent anomalies and other predictors of outcome: reply, Nyberg DA; Hughes MD; Mack LA; Pretorius DH, Radiology 1990; **177:** 883

fetal ventricle: importance in routine obstetric sonography, Filly RA; Goldstein RB; Callen PW, Radiology 1991; **181:** 1

first trimester selective reduction in multiple pregnancy guided by transvaginal sonography, Itskovitz J; Boldes R; Thaler I; et al, JCU 1990; **18:** 323

heterotopic pregnancy diagnosed by endovaginal scanning, Mattox JH; Kolb DJ; Goggin MW; et al, JCU 1989; **17:** 523

intrauterine growth retardation: diagnosis based on multiple parameters—a prospective study, Benson CB; Belville JS; Lentini JF; Saltzman DH; Doubilet PM, Radiology 1990; **177:** 499

intrauterine shelves in pregnancy: sonographic observations, Brown DL; Felker RE; Emerson DS, AJR 1989; **153:** 821

in utero exposure to diagnostic US, Kankam MK; Jeng LL; Moore RM Jr, Radiology 1989; **170:** 572

in utero exposure to diagnostic US: reply, Dyke C; Lyons EA; Cheang M, Radiology 1989; **170:** 573

invasive fetal procedures, Grannum PA; Copel JA, Radiol Clin North Am 1990; **28:** 217

legal aspects of obstetric sonography, Macones AJ; Lev-Toaff AS; Macones GA; et al, AJR 1989; **153:** 1251

length of pregnancy: an echographic reappraisal, Todros T; Ronco G; Lombardo D; et al, JCU 1991; **19:** 11

level 1, level 2, level 3 obstetric sonography: I'll see your level and raise you one, Filly RA, Radiology 1989; **172:** 312

monochorionic twinning: sonographic assessment, Filly RA; Goldstein RB; Callen PW, AJR 1990; **154:** 459

normal ultrasound does not obviate the need for amniocentesis in patients with elevated serum alpha-fetoprotein, (ab), Drugan A; Zador IE; Syner FN; et al, Radiology 1989; **171:** 883

obstetric duplex sonography in patients with lupus anticoagulant syndrome, Carroll BA, J Ultrasound Med 1990; **9:** 17

ovarian pregnancy resulting in a surviving neonate: ultrasound findings, Belfar H; Heller K; Edelstone DI; et al, J Ultrasound Med 1991; **10:** 465

placental hypoechoic-anechoic areas and infarction: sonographic-pathologic correlation, Harris RD; Simpson WA; Pet LR; Marin-Padilla M; Crow HC, Radiology 1990; **176:** 75

prediction of cesarean section scars with ultrasound imaging during pregnancy, Lonky NM; Worthen N; Ross MG, J Ultrasound Med 1989; **8:** 15

pregnancies in septate uteri: outcome in relation to site of uterine implantation as determined by sonography, Federle L; Dorta M; Brioschi D; et al, AJR 1989; **152:** 781

prenatal sonographic evaluation of short-limbed dwarfism: an algorithmic approach, Spirt BA; Oliphant M; Gottlieb RH; Gordon LP, Radiographics 1990; **10:** 217

prospective comparison of vaginal and abdominal sonography in normal early pregnancy, Pennell RG; Needleman L; Pajak T; et al, J Ultrasound Med 1991; **10:** 63

pseudogestational sac of ectopic pregnancy simulating intrauterine pregnancy with transvaginal sonography, Turetsky DB; Alexander AA; Linden SS, JCU 1991; **19:** 120

pseudogestational sacs: Doppler US differentiation from normal or abnormal intrauterine pregnancies, Dillon EH; Feyock AL; Taylor KJW, Radiology 1990; **176:** 359

pulsed Doppler on a vaginal probe: necessity, convenience, or luxury?, Schaaps JP; Soyeur D, J Ultrasound Med 1989; 8: 315

recognition for sonographers, Berman MC, Radiology 1990; 174: 577

recognition for sonographers: reply, Filly RA, Radiology 1990; 174: 578

responsibilities associated with obstetric sonography, Leopold GR, AJR 1989; 153: 1255

role of transvaginal sonography in chorionic villi sampling, Popp LW; Ghirardini G, JCU 1990; 18: 315

role of transvaginal ultrasound in the second and third trimesters, Hilpert PL; Kurtz AB, Semin US CT MR 1990; 11: 59

role of ultrasound in the clinical practice of obstetrics, Cohen AW; Lindenbaum CR; Jackson GM; et al, Semin Roentgenol 1990; 25: 287

small sac size in the first trimester: a predictor of poor fetal outcome, Bromley B; Harlow BL; Laboda LA; Benacerraf BR, Radiology 1991; 178: 375

some red herrings in obstetric ultrasound, Furness ME, Australas Radiol 1989; 33: 69

sonographic appearance of placental site trophoblastic tumor, Sakamoto C; Oikawa K; Kashimura M; et al, J Ultrasound Med 1990; 9: 533

sonographic demonstration of heterotopic pregnancy: report of two cases, Silver SF; Siu CM; Switzer PJ, J Canad Assoc Radiol 1989; 40: 316

sonographic determination of tubal rupture in patients with ectopic pregnancy: is it feasible?, Laing FC, Radiology 1990; 177: 330

sonographic evaluation of maternal disorders during pregnancy, Fleischer AC; Shah DM; Entman SS, Radiol Clin North Am 1990; 28: 51

sonographic evaluation of the placenta: importance of pathologic correlation, Spirt BA; Gordon LP, Radiology 1990; 176: 9

sonography of multiple gestations, Benson CB; Doubilet PM, Radiol Clin North Am 1990; 28: 149

sonography of the cervix during the third trimester pregnancy: value of the transperineal approach, Hertzberg BS; Bowie JD; Weber TM; et al, AJR 1991; 157: 73

translabial ultrasound of the third-trimester uterine cervix: correlation with digital examination, Mahony BS; Nyberg DA; Luthy DA; et al, J Ultrasound Med 1990; 9: 717

transperineal US: alternative technique to improve visualization of the presenting fetal part, Weber TM; Hertzberg BS; Bowie JD, Radiology 1991; 179: 747

transvaginal and transabdominal ultrasonography of the uterine cervix during pregnancy, Andersen HF, JCU 1991; 19: 77

transvaginal sonographic diagnosis of an unruptured interstitial pregnancy, Sherer DM; Allen T; Singh GS; et al, JCU 1990; 18: 582

transvaginal sonography in evaluating ectopic pregnancy, Bohm-Velez M; Mendelson EB; Freimanis MG, Semin US CT MR 1990; 11: 44

transvaginal sonography in extrauterine and intrauterine pregnancy, Coleman BG, Semin Roentgenol 1991; 26: 63

transvaginal sonography in the abnormal first trimester, Mendelson EB; Bohm-Velez M; Saker M, Semin US CT MR 1990; 11: 34

transvaginal sonography in the evaluation of normal early pregnancy: correlation with HCG level, Bree RL; Edwards M; Böhm-Vélez M; et al, AJR 1989; 153: 75

transvaginal sonography in the first trimester: embryology, anatomy, and hCG correlation, Bree RL; Marn CS, Semin US CT MR 1990; 11: 12

transvaginal ultrasound scanning in early pregnancy and correlation with human chorionic gonadotropin levels, Daya S; Woods S; Ward S; et al, JCU 1991; 19: 139

twin embolization syndrome: prenatal sonographic detection and significance, Patten RM; Mack LA; Nyberg DA; Filly RA, Radiology 1989; 173: 685

ultrasonic appearance of Asherman's syndrome in the third trimester of pregnancy, Smeele B; Wamsteker K; Sarstadt T; et al, JCU 1989; 17: 602

ultrasonography: RSNA '88 meeting notes, Merritt CRB; Carroll BA; Lawson TL; Mack LA, Radiology 1989; 170: 915

ultrasonography. RSNA '89 meeting notes, Merritt CRB; Lawson TL; Cooperberg PL, Radiology 1990; 174: 604

ultrasonography. RSNA '90 meeting notes, Merritt CRB; Cooperberg PL; Lawson TL, Radiology 1991; 178: 602

ultrasound case of the day, Carroll BA, Radiographics 1991; 11: 1140

ultrasound evaluation of ectopic pregnancy including correlation with human chorionic gonadotrophin levels, Chambers SE; Muir BB; Haddad NG, Br J Radiol 1990; 63: 246

ultrasound findings in pregnancies complicated by fetal triploidy, Pircon RA; Porto M; Towers CV; et al, J Ultrasound Med 1989; 8: 507

ultrasound in the first trimester of pregnancy, Levi CS; Lyons EA; Lindsay DJ, Radiol Clin North Am 1990; 28: 19

ultrasound of multiple gestations, Benson CB; Doubilet PM, Semin Roentgenol 1991; 26: 50

update on the safety of ultrasound in obstetrics, Ziskin MC, Semin Roentgenol 1990; 25: 294

use of endovaginal ultrasound to optimize visualization of the distal fetal spine in breech presentations, Weber TM; Hertzberg BS; Bowie JD, J Ultrasound Med 1990; 9: 519

use of routine prenatal ultrasound by private practice obstetricians in Iowa, Ewigman B; Cornelison S; Horman D; et al, J Ultrasound Med 1991; 10: 427

use of sonography in the evaluation of the high-risk pregnancy, Manning FA, Radiol Clin North Am 1990; 28: 205

use of ultrasound and magnetic resonance imaging in the diagnosis of cervical pregnancy, Bader-Armstrong B; Shah Y; Rubens D, JCU 1989; 17: 283

value of endovaginal sonography and urinary human chorionic gonadotropin tests for differentiation between intrauterine and ectopic pregnancy, Enk L; Wikland M; Hammarberg K; et al, JCU 1990; 18: 73

value of sonography in acute encephalomalacia, Hernanz-Schulman M, Radiology 1991; 180: 880

value of sonography in acute encephalomalacia: reply, Caballero P, Radiology 1991; 180: 880

very early pregnancy detection with endovaginal ultrasound, (ab), Goldstein SR; Snyder JR; Watson C; et al, Radiology 1989; 170: 290

Progressive systemic sclerosis

See Scleroderma

Prostate, anatomy

cystic lesions of the prostate, Nghiem HT; Kellman GM; Sandberg SA; Craig BM, Radiographics 1990; 10: 635

Prostate, biopsy

capsular transgression of prostatic carcinoma: evaluation with transrectal US with pathologic correlation, Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; 178: 791

determination of prostate volume with transrectal US for cancer screening: part I. comparison with prostate-specific antigen assays, Littrup PJ; Kane RA; Williams CR; Egglin TK; Lee F; Torp-Pedersen S; Church PA, Radiology 1991; 178: 537

fine-needle aspiration biopsy with a new automatic fine-needle gun versus histological core in ultrasonically-guided transrectal biopsy for detection of prostate cancer, Norming U; Gustafsson O; Nyman CR; et al, Acta Oncol 1991; 30: 155

Franzén transrectal fine-needle biopsy versus ultrasound-guided transrectal core biopsy of the prostate gland, Adolfsson J; Skoog L; Löwhagen T; et al, Acta Oncol 1991; 30: 159

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate-specific antigen, Lee F Jr; Torp-Pedersen ST; Littrup PJ; McLeary RD; McHugh TA; Smid AP; Stella PJ; Borlaza GS, Radiology 1989; 170: 29

image-directed percutaneous biopsies with a biopsy gun, Parker SH; Hopper KD; Yakes WF; Gibson MD; Ownbey JL; Carter TE, Radiology 1989; 171: 663

imaging-directed percutaneous biopsies with a biopsy gun, Burbank F, Radiology 1990; 176: 286

imaging-directed percutaneous biopsies with a biopsy gun: reply, Parker SH; Hopper KD; Yakes WF; Ownbey JL; Carter TE; Gibson MD, Radiology 1990; 176: 286

palpable masses in the prostate: superior accuracy of US-guided biopsy compared with accuracy of digitally guided biopsy, Rifkin MD; Alexander AA; Pisarchick J; Matteucci T, Radiology 1991; 179: 41

palpable prostatic nodules: comparison of US and digital guidance for fine-needle aspiration biopsy, Ajzen SA; Goldenberg SL; Allen GJ; Cooperberg PL; Chan NH; Jones EC, Radiology 1989; 171: 521

random systematic versus directed ultrasound guided transrectal core biopsies of the prostate, (ab), Hodge KK; McNeal JE; Terris MK; et al, Radiology 1990; 174: 900

stage A adenocarcinoma of the prostate: transrectal US and sonographic-pathologic correlation, Sheth S; Hamper UM; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; 179: 35

stage B adenocarcinoma of the prostate: transrectal US and pathologic correlation of nonmalignant hypoechoic peripheral zone lesions, Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; 180: 101

transrectal biopsy of the prostate guided with transrectal US: longitudinal and multiplanar scanning, Torp-Pedersen ST; Lee F; Littrup PJ; Siders DB; Kumasaka GH; Solomon MH; McLeary RD, Radiology 1989; 170: 23

transrectal ultrasound in the diagnosis and staging of prostatic carcinoma, Lee F Jr; Torp-Pedersen ST; Siders DB; Littrup PJ; McLeary RD, Radiology 1989; 170: 609

ultrasound guided transrectal core biopsies of the palpably abnormal prostate, (ab), Hodge KK; McNeal JE; Stamey TA, Radiology 1990; 174: 900

ultrasound of the prostate and its use for guided biopsy, Torp-Pedersen S, Acta Oncol 1991; 30: 153

US-guided prostatic biopsy in 63 cases, Veneziano S; Pavlica P; Viglietta G; et al, Eur J Radiol 1989; 9: 64

value of random US-guided transrectal prostate biopsy, Dyke CH; Toi A; Sweet JM, Radiology 1990; 176: 345

Prostate, CT

tuberculosis of the prostate: CT appearance, Wang J-H; Chang T, JCAT 1991; 15: 269

Prostate, cysts

cystic lesions of the prostate, Nghiem HT; Kellman GM; Sandberg SA; Craig BM, Radiographics 1990; 10: 635

cystic lesions of the prostate gland: a sonographic-pathologic correlation, Hamper UM; Epstein JI; Sheth S; et al, J Ultrasound Med 1990; 9: 395

cysts of the prostate and seminal vesicles: MR imaging findings in 11 cases, Gevenois PA; Van Sinoy ML; Sintzoff SA Jr; et al, AJR 1990; 155: 1021

Müllerian duct cyst: ultrasonographic and computed tomographic spectrum, Higashi TS; Takizawa K; Suzuki S; et al, Urol Radiol 1990; 12: 39

sonographic diagnosis of enlarged prostatic utricle, Gregg DC; Sty JR, J Ultrasound Med 1989; 8: 51

Prostate, diseases

malacoplakia of the prostate sonographically mimicking carcinoma, Chantelois AE; Parker SH; Sims JE; Horne DW, Radiology 1990; 177: 193

tuberculosis of the prostate: CT appearance, Wang J-H; Chang T, JCAT 1991; 15: 269

Prostate, dysplasia

stage B adenocarcinoma of the prostate: transrectal US and pathologic correlation of nonmalignant hypoechoic peripheral zone lesions, Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; 180: 101

transrectal biopsy of the prostate guided with transrectal US: longitudinal and multiplanar scanning, Torp-Pedersen ST; Lee F; Littrup PJ; Siders DB; Kumasaka GH; Solomon MH; McLeary RD, Radiology 1989; **170:** 23

Prostate, hyperplasia

balloon dilation of the prostate: effective treatment or dilatory tactic?, Pollack HM, Radiology 1991; **178:** 331

determination of prostate volume with transrectal US for cancer screening: part I. comparison with prostate-specific antigen assays, Littrup PJ; Kane RA; Williams CR; Egglin TK; Lee F; Torp-Pedersen S; Church PA, Radiology 1991; **178:** 537

devil in Dr Pollack: defending our souls, Wasserman NF, Radiology 1991; **178:** 333

experimental treatment of benign prostatic hyperplasia with transurethral balloon dilation of the prostate: preliminary study in 73 humans, Wasserman NF; Reddy PK; Zhang G; Berg PA, Radiology 1990; **177:** 485

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate-specific antigen, Lee F Jr; Torp-Pedersen ST; Littrup PJ; McLeary RD; McHugh TA; Smid AP; Stella PJ; Borlaza GS, Radiology 1989; **170:** 29

perineal abscess after prostatic urethroplasty with balloon catheter: report of a case, Castaneda F; Hulbert JC; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **174:** 49

prostatic carcinoma and benign prostatic hyperplasia: correlation of high-resolution MR and histopathologic findings, Schiebler ML; Tomaszewski JE; Bezzi M; Pollack HM; Kressel HY; Cohen EK; Altman HG; Gefter WB; Wein AJ; Axel L, Radiology 1989; **172:** 131

prostatic carcinoma and benign prostatic hyperplasia: MR imaging with histopathologic correlation, Kahn T; Bürrig K; Schmitz-Dräger B; Fürst G; Mödder U, Radiology 1989; **173:** 847

prostatic urethroplasty with balloon catheter as a nonsurgical alternative for prostatic hyperplasia, Castaneda F; Castaneda-Zuniga WR, Urol Radiol 1990; **12:** 138

prostatic urethroplasty with balloon catheter as a nonsurgical alternative for benign prostatic hyperplasia, Castaneda F; Banno J; Brady T; et al, Radiol Clin North Am 1991; **29:** 591

spiral urethral prosthesis as an alternative to surgery in high risk patients with benign prostatic hyperplasia: prospective study, (ab), Vicente J; Salvador J; Chéchile G, Radiology 1990; **176:** 591

transurethral balloon dilatation of the prostatic urethra: effectiveness in highly selected patients with prostatism, Wasserman NF; Reddy PK; Zhang G; et al, AJR 1991; **157:** 509

Prostate, hypertrophy

balloon dilatation for prostatic obstruction: long-term follow-up, (ab), Klein LA; Lemming B, Radiology 1989; **173:** 291

benign prostatic hypertrophy: treatment with a metallic stent, Machan L; Jäger HR; Adam A; et al, AJR 1989; **153:** 779

effectiveness of ultrasound in the preoperative evaluation of patients with prostatism, (ab), Hendrikx AJM; Doesburg WH; Reintjes AGM; et al, Radiology 1989; **172:** 587

prostate: MR imaging with an endorectal surface coil, Schnall MD; Lenkinski RE; Pollack HM; Imai Y; Kressel HY, Radiology 1989; **172:** 570

prostatic MR imaging performed with the three-point Dixon technique: work in progress, Tamler B; Sommer FG; Glover GH; Schneider E, Radiology 1991; **179:** 43

self-retaining intraurethral stent: an alternative to long-term indwelling catheters or surgery in the treatment of prostatism, Yachia D; Lask D; Rabinson S, AJR 1990; **154:** 111

Prostate, interventional procedure

importance of separation of prostatic lobes in relief of prostatic obstruction by balloon catheter urethroplasty: studies in dogs and humans, Castaneda F; Isorna S; Hulbert JC; et al, AJR 1989; **153:** 1301

prostatic urethra dilatation with the Gianturco self-expanding metallic stent: a feasibility study in cadaver specimens and dogs, Dobben RL; Wright KC; Dolenz K; et al, AJR 1991; **156:** 757

prostatic urethroplasty with balloon catheter as a nonsurgical alternative for prostatic hyperplasia, Castaneda F; Castaneda-Zuniga WR, Urol Radiol 1990; **12:** 138

prostatic urethroplasty with balloon catheter as a nonsurgical alternative for benign prostatic hyperplasia, Castaneda F; Banno J; Brady T; et al, Radiol Clin North Am 1991; **29:** 591

transurethral balloon dilation of the prostate, (ab), Castaneda F, Radiology 1990; **174:** 899

Prostate, MR

age-related changes of the prostate: evaluation by MR imaging, Allen KS; Kressel HY; Arger PH; et al, AJR 1989; **152:** 77

androgen sensitivity of rat prostate carcinoma studied by ^{31}P NMR spectroscopy, ^{1}H MR imaging, and ^{23}Na MR imaging, Vigneron DB; Hricak H; James TL; et al, Magn Res Med 1989; **11:** 152

carcinoma of the prostate: MR images obtained with body coils do not accurately reflect tumor volume, Quint LE; Van Erp JS; Bland PH; et al, AJR 1991; **156:** 511

cysts of the prostate and seminal vesicles: MR imaging findings in 11 cases, Gevenois PA; Van Sinoy ML; Sintzoff SA Jr; et al, AJR 1990; **155:** 1021

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

identification of the periprostatic venous plexus by MR imaging, Poon PY; Bronskill MJ; Poon CS; et al, JCAT 1991; **15:** 265

invasion of the neurovascular bundle by prostate cancer: evaluation with MR imaging, Tempany CMC; Rahmouni AD; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; **181:** 107

in vitro proton spectroscopy of normal and abnormal prostate, Yacoe ME; Sommer G; Peehl D, Magn Res Med 1991; **19:** 429

magnetic resonance imaging of the normal prostate at 1.5 T, Gevenois PA; Salmon I; Stallenberg B; et al, Br J Radiol 1990; **63:** 101

magnetic resonance imaging of the prostate gland, Schnall MD; Pollack HM, Urol Radiol 1990; **12:** 109

MR imaging in the staging of prostate cancer, (ab), Rifkin MD, Radiology 1991; **181:** 612

nonpalpable prostate cancer: detection with MR imaging, Carter HB; Brem RF; Tempany CM; Yang A; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; **178:** 523

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

prostate cancer: correlation of MR images with tissue optical density at pathologic examination, Quint LE; Van Erp JS; Bland PH; Del Buono EA; Mandell SH; Grossman HB; Gikas PW, Radiology 1991; **179:** 837

prostate cancer: local staging with endorectal surface coil MR imaging, Schnall MD; Imai Y; Tomaszewski J; Pollack HM; Lenkinski RE; Kressel HY, Radiology 1991; **178:** 797

prostate: MR imaging with an endorectal surface coil, Schnall MD; Lenkinski RE; Pollack HM; Imai Y; Kressel HY, Radiology 1989; **172:** 570

prostatic carcinoma and benign prostatic hyperplasia: correlation of high-resolution MR and histopathologic findings, Schiebler ML; Tomaszewski JE; Bezzi M; Pollack HM; Kressel HY; Cohen EK; Altman HG; Gefter WB; Wein AJ; Axel L, Radiology 1989; **172:** 131

prostatic carcinoma and benign prostatic hyperplasia: MR imaging with histopathologic correlation, Kahn T; Bürrig K; Schmitz-Dräger B; Fürst G; Mödder U, Radiology 1989; **173:** 847

prostatic MR imaging performed with the three-point Dixon technique: work in progress, Tamler B; Sommer FG; Glover GH; Schneider E, Radiology 1991; **179:** 43

transrectal probe for ^{1}H MRI and ^{31}P MR spectroscopy of the prostate gland, Narayan P; Vigneron DB; Jajodia P; et al, Magn Res Med 1989; **11:** 209

visualization and quantification of transplanted Dunning prostate tumors in rats using magnetic resonance imaging, (ab), Rudin M; Qureshi S; Tolcsvai L; et al, Radiology 1989; **170:** 902

Prostate, neoplasms

adenocarcinoma of the prostate presenting as a single focus of radionuclide accumulation in the mandible on bone and gallium images, Ackerman L; Reyes CV; Shirazi P; et al, Clin Nucl Med 1989; **14:** 542

adjuvant cytotoxic chemotherapy in association with radical surgery or radical radiation treatment in presumably localized prostatic cancer, Chatelain C, Acta Oncol 1991; **30:** 259

adjuvant endocrine treatment in early prostatic cancer, Schröder FH, Acta Oncol 1991; **30:** 255

adjuvant therapy in early prostatic cancer: summary of the discussion, Esposti PL, Acta Oncol 1991; **30:** 267

alkaline phosphatase: a marker in prostatic cancer?, Høisaeter PA, Acta Oncol 1991; **30:** 171

American Cancer Society National Prostate Cancer Detection Project: findings on the detection of early prostate cancer in 2425 men, (ab), Mettlin C; Lee F; Drago J; et al, Radiology 1991; **181:** 911

analysis of independent variables affecting survival after recurrence of prostate cancer, Hanks GE; Martz KL; Krall JM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1431

androgen sensitivity of rat prostate carcinoma studied by ^{31}P NMR spectroscopy, ^{1}H MR imaging, and ^{23}Na MR imaging, Vigneron DB; Hricak H; James TL; et al, Magn Res Med 1989; **11:** 152

appearance of prostate cancer on transrectal ultrasonography: correlation of imaging and pathological examinations, (ab), Shinohara K; Wheeler TM; Scardino PT; et al, Radiology 1990; **174:** 899

biologic aggressiveness of palpable and nonpalpable prostate cancer: assessment with endosonography, Baran GW; Golin AL; Bergsma CJ; Stone TE; Wilson PR; Reichardt BA; Lobert PF; Locke CS, Radiology 1991; **178:** 201

body MR imaging and the local staging of neoplasms, Aisen AM, Radiology 1990; **176:** 617

bright echogenic foci in early prostatic carcinoma: sonographic and pathologic correlation, Hamper UM; Sheth S; Walsh PC; Epstein JI, Radiology 1990; **176:** 339

capsular penetration in prostate cancer: significance for natural history and treatment, (ab), McNeal JE; Villers AA; Redwine EA; et al, Radiology 1990; **177:** 292

capsular transgression of prostatic carcinoma: evaluation with transrectal US with pathologic correlation, Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; **178:** 791

carcinoma of the prostate: MR images obtained with body coils do not accurately reflect tumor volume, Quint LE; Van Erp JS; Bland PH; et al, AJR 1991; **156:** 511

carcinoma of the prostate: value of transrectal sonography in detecting extension into the neurovascular bundle, Hamper UM; Sheth S; Walsh PC; et al, AJR 1990; **155:** 1015

clinical utility of prostate-specific antigen and bone scintigraphy in prostate cancer follow-up, Freitas JE; Gilvydas R; Ferry JD; et al, J Nucl Med 1991; **32:** 1387

comparison of the digital rectal examination, endorectal ultrasound, and body coil magnetic resonance imaging in the staging of adenocarcinoma of the prostate, Schiebler ML; McSherry S; Keefe B; et al, Urol Radiol 1991; **13:** 110

computed tomographic evaluation of intracranial metatases from carcinoma of the prostate, Burbridge B; Tchang SPK, J Canad Assoc Radiol 1989; 40: 234

CT scanning for definitive radiotherapy planning of prostate cancer: necessity or nicety?, Hamilton CS; Joseph DJ; Skov A; et al, Australas Radiol 1990; 34: 288

cure of primary prostate cancer by radiotherapy—high-tech quest for a non-existent grail?, Hamilton CS; Denham JW, Australas Radiol 1990; 34: 5

current status of transrectal ultrasonography in the diagnosis and management of prostatic cancer, Griffiths GJ; Clements R; Peeling WB, Clin Radiol 1989; 40: 337

deferred therapy in well and moderately differentiated prostate cancer, Adolfsson J, Acta Oncol 1991; 30: 225

deferred treatment in localized prostatic cancer, Johansson J-E; Andersson S-O, Acta Oncol 1991; 30: 221

definitive radiation therapy for localized prostatic adenocarcinoma, Arcangeli G; Micheli A; Arcangeli G; et al, Int J Radiat Oncol Biol Phys 1991; 20: 439

determination of prostate volume with transrectal US for cancer screening: part I. comparison with prostate-specific antigen assays, Littrup PJ; Kane RA; Williams CR; Egglin TK; Lee F; Torp-Pedersen S; Church PA, Radiology 1991; 178: 537

determination of prostate volume with transrectal US for cancer screening: part II. accuracy of in vitro and in vivo techniques, Littrup PJ; Williams CR; Egglin TK; Kane RA, Radiology 1991; 179: 49

development of monoclonal antibody imaging of metastatic prostatic carcinoma, (ab), Meyers FJ; DeNardo SJ; Macey D; et al, Radiology 1990; 174: 293

development of prostatic carcinoma: morphometric and pathologic features of early stages, Villers AA; McNeal JE; Freiha FS; et al, Acta Oncol 1991; 30: 145

diagnosis, staging, and follow-up of carcinomas of the kidney, bladder, and prostate: the role of cross-sectional imaging, Singer J; McClennan BL, Semin US CT MR 1989; 10: 481

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; 175: 683

digital rectal examination versus transrectal ultrasound in detection of prostate cancer: preliminary results from a study of a randomly selected population, Norming U; Gustafsson O; Nyman CR; et al, Acta Oncol 1991; 30: 277

DNA as a prognostic marker in advanced high-grade prostatic cancer: a preliminary report, Hedlund PO; Esposti P; Falkmer U; et al, Acta Oncol 1991; 30: 215

DNA flow cytometry in carcinoma of the prostate for diagnosis, prognosis and study of tumor biology, Tribukait B, Acta Oncol 1991; 30: 187

DNA in radical prostatectomy specimens: prognostic value of tumor ploidy, Robertson CN; Paulson DF, Acta Oncol 1991; 30: 205

DNA investigations: summary of the round table discussion, Andersson L, Acta Oncol 1991; 30: 219

echogenicity of prostate cancer correlated with histologic grade and stromal fibrosis: endorectal US studies, Rifkin MD; McGlynn ET; Choi H, Radiology 1989; 170: 549

effect of local control on metastatic dissemination in carcinoma of the prostate: long-term results in patients treated with ^{125}I implantation, Fuks Z; Leibel SA; Wallner KE; et al, Int J Radiat Oncol Biol Phys 1991; 21: 537

epidemiology of prostatic cancer: geographical distribution and time-trends, Muir CS; Nectoux J; Staszewski J, Acta Oncol 1991; 30: 133

expectant management of localized prostatic cancer, (ab), Whitmore WF Jr; Warner JA; Thompson IM Jr, Radiology 1991; 180: 886

expression of Ki-67—a proliferation-associated antigen—in prostatic cancer, Nilsson S; Nordgren H; Eklöv S; et al, Acta Oncol 1991; 30: 177

fine-needle aspiration biopsy with a new automatic fine-needle gun versus histological core in ultrasonically-guided transrectal biopsy for detection of prostate cancer, Norming U; Gustafsson O; Nyman CR; et al, Acta Oncol 1991; 30: 155

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; 174: 603

histologic differentiation, cancer volume, and pelvic lymph node metastasis in adenocarcinoma of the prostate, (ab), McNeal JE; Villers AA; Redwine EA; et al, Radiology 1991; 179: 294

hormonal cytoreduction in locally advanced carcinoma of the prostate treated with definitive radiotherapy: preliminary results of RTOG 83-07, Pilepich MV; Krall JM; John MJ; et al, Int J Radiat Oncol Biol Phys 1989; 16: 813

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate-specific antigen, Lee F Jr; Torp-Pedersen ST; Littrup PJ; McLeary RD; McHugh TA; Smid AP; Stella PJ; Borlaza GS, Radiology 1989; 170: 29

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate specific antigen, Chang P; Friedland GW, Radiology 1990; 175: 581

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate specific antigen: reply, Torp-Pedersen ST; Lee F, Radiology 1990; 175: 583

imaging the prostate, Rickards D, Clin Radiol 1989; 40: 335

impact of surgical staging in evaluating the radiotherapeutic outcome in RTOG phase III study for A_2 and B prostate carcinoma, Asbell SO; Martz KL; Pilepich MV; et al, Int J Radiat Oncol Biol Phys 1989; 17: 945

incidental skeletal metastases from prostate cancer detected by sulfur colloid liver-spleen imaging, Koci TM; Renslo R; Marcus CS, Clin Nucl Med 1989; 14: 225

influence of initial hemoglobin and blood pressure levels on results of radiation therapy for carcinoma of the prostate, Dunphy EP; Petersen IA; Cox RS; et al, Int J Radiat Oncol Biol Phys 1989; 16: 1173

internal iliac artery: embolization to control hemorrhage from pelvic neoplasms, Pisco JM; Martins JM; Correia MG, Radiology 1989; 172: 337

invasion of the neurovascular bundle by prostate cancer: evaluation with MR imaging, Tempany CMC; Rahmouni AD; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; 181: 107

invasion of the seminal vesicles by prostatic cancer: detection with transrectal sonography, Terris MK; McNeal JE; Stamey TA, AJR 1990; 155: 811

is acid phosphatase (PAP) still justified in the management of prostatic cancer?, Kontturi M, Acta Oncol 1991; 30: 169

is screening for prostatic cancer justified? summary of the discussion, Frohmüller H, Acta Oncol 1991; 30: 289

late radiation damage in prostate cancer patients treated by high dose external radiotherapy in relation to rectal dose, Smit WGJM; Helle PA; van Putten WLJ; et al, Int J Radiat Oncol Biol Phys 1990; 18: 23

leuprolide therapy for prostate cancer: an association with scintigraphic "flare" on bone scan, Johns WD; Garnick MB; Kaplan WD, Clin Nucl Med 1990; 15: 485

malacoplakia of the prostate sonographically mimicking carcinoma, Chantelois AE; Parker SH; Sims JE; Horne DW, Radiology 1990; 177: 193

metastatic prostate carcinoma mimicking Paget's disease on bone imaging, Fig LM; Gross MD, Clin Nucl Med 1989; 14: 777

methodological aspects on flow and image cytometric nuclear DNA assessments in prostatic adenocarcinoma, Falkmer UG, Acta Oncol 1991; 30: 201

modal DNA values and estramustine-binding protein (EMBP) as prognostic markers in prostatic cancer, Nordgren H; Nilsson S; Eklöv S; et al, Acta Oncol 1991; 30: 211

modal DNA-values in prostate cancer patients with deferred therapy or endocrine therapy, Adolfsson J; Tribukait B, Acta Oncol 1991; 30: 209

molecular genetics and human prostatic carcinoma, Collins VP; Kunimi K; Bergerheim U; et al, Acta Oncol 1991; 30: 181

MR imaging in the staging of prostate cancer, (ab), Rifkin MD, Radiology 1991; 181: 612

multiplanar arc boost radiation therapy for prostate cancer, Serago CF; Lewin AA; Houdek PV; Schwade JG; Abitol AA, Radiology 1989; 172: 561

N-3-[^{18}F]fluoropropylputrescine as potential PET imaging agent for prostate and prostate derived tumors, Hwang D-R; Lang L; Mathias CJ; et al, J Nucl Med 1989; 30: 1205

natural history of localised prostatic cancer: a population-based study in 223 untreated patients, (ab), Johansson JE; Adami H-O; Andersson SO; et al, Radiology 1989; 173: 884

nonpalpable cancer of the prostate: assessment with transrectal US, Lee F Jr; Bronson JP; Lee F; Torp-Pedersen ST; Siders DB; Thornbury JR; McHugh TA, Radiology 1991; 178: 197

nonpalpable prostate cancer: detection with MR imaging, Carter HB; Brem RF; Tempany CM; Yang A; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; 178: 523

palliative hemiskeletal irradiation for widespread metastatic prostate cancer: a comparison of single dose and fractionated regimens, Zelefsky MJ; Scher HI; Forman JD; et al, Int J Radiat Oncol Biol Phys 1989; 17: 1281

palpable masses in the prostate: superior accuracy of US-guided biopsy compared with accuracy of digitally guided biopsy, Rifkin MD; Alexander AA; Pisarchick J; Matteucci T, Radiology 1991; 179: 41

palpable prostatic nodules: comparison of US and digital guidance for fine-needle aspiration biopsy, Ajzen SA; Goldenberg SL; Allen GJ; Cooperberg PL; Chan NH; Jones EC, Radiology 1989; 171: 521

pelvic cancers: staging of 139 cases with lymphography and fine-needle aspiration biopsy, Chagnon S; Cochand-Priollet B; Gzaeil M; Jacquenod P; Roger B; Boccon-Gibod L; Blery M, Radiology 1989; 173: 103

pelvic lymphadenectomy and transperineal interstitial implantation of Ir 192 combined with external beam radiotherapy for bulky stage C prostatic carcinoma, Brindle JS; Martinez A; Schray M; et al, Int J Radiat Oncol Biol Phys 1989; 17: 1063

ploidy level and tumor progression in prostatic carcinoma, Zetterberg A; Forsslund G, Acta Oncol 1991; 30: 193

positive margins: is adjunctive radiation therapy indicated?, Paulson DF; Robertson CN, Acta Oncol 1991; 30: 263

predicting radionuclide bone scan findings in patients with newly diagnosed, untreated prostate cancer: prostate specific antigen is superior to all other clinical parameters, (ab), Chybowski FM; Keller JJL; Bergstralh EJ; et al, Radiology 1991; 180: 885

preliminary report on 10 patients treated with radiotherapy after radical prostatectomy for isolated elevation of serum PSA levels, Keisch ME; Perez CA; Grigsby PW; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1503

pretreatment evaluation of sexual function in patients with adenocarcinoma of the prostate, Zinreich ES; Derogatis LR; Herpst J; et al, Int J Radiat Oncol Biol Phys 1990; 19: 1001

prospective study of prostate specific antigen levels in patients receiving radiotherapy for localized carcinoma of the prostate, Meek AG; Park TL; Oberman E; et al, Int J Radiat Oncol Biol Phys 1990; 19: 733

prostate cancer: comparison of digital rectal examination and transrectal ultrasound for screening, (ab), Palken M; Cobb OE; Simons CE; et al, Radiology 1991; **180:** 885

prostate cancer: correlation of MR images with tissue optical density at pathologic examination, Quint LE; Van Erp JS; Bland PH; Del Buono EA; Mandell SH; Grossman HB; Gikas PW, Radiology 1991; **179:** 837

prostate cancer: local staging with endorectal surface coil MR imaging, Schnall MD; Imai Y; Tomaszewski J; Pollack HM; Lenkinski RE; Kressel HY, Radiology 1991; **178:** 797

prostate cancer: to screen or not to screen, Chodak G, Acta Oncol 1991; **30:** 285

prostate: MR imaging with an endorectal surface coil, Schnall MD; Lenkinski RE; Pollack HM; Imai Y; Kressel HY, Radiology 1989; **172:** 570

prostate specific antigen: a review, Brawer MK, Acta Oncol 1991; **30:** 161

prostatic cancer: an overview, Denis L; Mahler C, Acta Oncol 1990; **29:** 665

prostatic capsule: does it exist? its importance in the staging and treatment of prostatic carcinoma, (ab), Ayala AG; Ro JY; Babaian R; et al, Radiology 1989; **172:** 587

prostatic carcinoma and benign prostatic hyperplasia: correlation of high-resolution MR and histopathologic findings, Schiebler ML; Tomaszewski JE; Bezzi M; Pollack HM; Kressel HY; Cohen EK; Altman HG; Gefter WB; Wein AJ; Axel L, Radiology 1989; **172:** 131

prostatic carcinoma and benign prostatic hyperplasia: MR imaging with histopathologic correlation, Kahn T; Bürrig K; Schmitz-Dräger B; Fürst G; Mödder U, Radiology 1989; **173:** 847

prostatic comedocarcinoma: correlation of sonograms with pathologic specimens in three cases, Lile R; Thickman D; Miller GJ; et al, AJR 1990; **155:** 303

prostatic MR imaging performed with the three-point Dixon technique: work in progress, Tamler B; Sommer FG; Glover GH; Schneider E, Radiology 1991; **179:** 43

prostatic specific antigen as an indicator of response to radiotherapy in prostate cancer, Landmann C; Hunig R, Int J Radiat Oncol Biol Phys 1989; **17:** 1073

radical radiotherapy in prostatic carcinoma, Nilsson I; Lindholm C-E; Landberg T; et al, Acta Oncol 1989; **28:** 261

radical surgery versus radiation therapy in early prostatic carcinoma, Robertson CN; Paulson DF, Acta Oncol 1991; **30:** 239

radioimmunoscintigraphy of prostate cancer, Babaian RJ; Lamki LM, Semin Nucl Med 1989; **19:** 309

radiotherapy or surgery for prostate cancer? ten and fifteen-year results of external beam therapy, Hanks GE, Acta Oncol 1991; **30:** 231

radiotherapy vs. hormonal therapy for the management of locally recurrent prostate cancer following radical prostatectomy, Anscher MS; Prosnitz LR, Int J Radiat Oncol Biol Phys 1989; **17:** 953

Re-186(Sn) HEDP for treatment of painful osseous metastases: initial clinical experience in 20 patients with hormone-resistant prostate cancer, Maxon HR III; Schroder LE; Thomas SR; Hertzberg VS; Deutsch EA; Scher HI; Samaratunga RC; Libson KF; Williams CC; Moulton JS; Schneider HJ, Radiology 1990; **176:** 155

rectal involvement by prostatic carcinoma: barium enema findings, Rubesin SE; Levine MS; Bezzi M; et al, AJR 1989; **152:** 53

reduced incidence of bone metastases in irradiated areas after external radiation therapy of prostatic carcinoma, Jacobsson H; Näslund I, Int J Radiat Oncol Biol Phys 1991; **20:** 1297

reduction of spinal metastases after preemptive irradiation in prostatic cancer, Kaplan ID; Valdagni R; Cox RS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1019

relevance of stage A malignancy in prostatic cancer, Paulson DF; Robertson CN, Acta Oncol 1991; **30:** 227

role of adjuvant irradiation following primary prostatectomy, based on histopathologic extent of tumor, Shevlin BE; Mittal BB; Brand WN; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1425

role of imaging in prostate cancer, Friedland GW; Chang P, Radiol Clin North Am 1991; **29:** 581

role of imaging in screening for prostate cancer: a decision analysis perspective, Chang P; Friedland GW, Invest Radiol 1990; **25:** 591

scintigraphic evaluation of secondary myelofibrosis associated with prostatic cancer before and after hormone therapy, Ishimura J; Fukuchi M, Clin Nucl Med 1990; **15:** 330

screening for carcinoma of the prostate in a randomly selected population using duplicate digital rectal examination, Varenhorst E; Pedersen KV; Carlsson P; et al, Acta Oncol 1991; **30:** 273

screening for prostatic cancer: investigational models, Iversen P; Torp-Pedersen ST, Acta Oncol 1991; **30:** 281

screening for prostatic cancer: the German experience, Frohmüller H, Acta Oncol 1991; **30:** 269

secondary external-beam radiotherapy and hyperthermia for local recurrence after 125-iodine implantation in adenocarcinoma of the prostate, Kaplan I; Kapp DS; Bagshaw MA, Int J Radiat Oncol Biol Phys 1991; **20:** 551

sequential hemibody radiotherapy in poor prognosis localized adenocarcinoma of the prostate gland: a preliminary study of the RTOG, MacLennan I; Selim HM; Rubin P, Int J Radiat Oncol Biol Phys 1989; **16:** 215

serum osteocalcin measurements in prostate carcinoma patients with skeletal deposits shown by bone scintigram: comparison with serum PSA/PAP measurements, Shih W-J; Wierzbinski B; Collins J; et al, J Nucl Med 1990; **31:** 1486

serum tumour markers in human prostatic carcinoma: the value of a marker panel for prognostic information, Ekman P; Lewenhaupt A, Acta Oncol 1991; **30:** 173

significance of low-grade prostate cancer on needle biopsy: a radical prostatectomy study of tumor grade, volume, and stage of the biopsied and multifocal tumor, (ab), Epstein JI; Steinberg GD, Radiology 1991; **181:** 293

small-cell carcinoma of the prostate: metastases in the brain as shown by CT and MR with pathologic correlation, Freedy RM; Miller KD Jr, AJNR 1990; **11:** 947

solitary prostatic metastasis to the cerebellopontine angle: MR and CT findings, Flickinger FW; Yuh WTC; Nichols RD II; et al, JCAT 1989; **13:** 1088

sonoelasticity imaging: results in in vitro tissue specimens, Lee F Jr; Bronson JP; Lerner RM; Parker KJ; Huang S-R; Roach DJ, Radiology 1991; **181:** 237

sonographic and pathological staging of patients with clinically localized prostate cancer, (ab), Andriole GL; Coplen DE; Mikkelsen DJ; et al, Radiology 1990; **175:** 884

spiculated vertebral metastases from prostatic carcinoma: report of first two cases, Hove B; Gyldensted C, Neuroradiol 1990; **32:** 337

stage A adenocarcinoma of the prostate: transrectal US and sonographic-pathologic correlation, Sheth S; Hamper UM; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; **179:** 35

stage B adenocarcinoma of the prostate: transrectal US and pathologic correlation of nonmalignant hypoechoic peripheral zone lesions, Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; **180:** 101

"state of the art" transrectal ultrasound imaging in the assessment of prostatic disease, Clements R; Griffiths GJ; Peeling WB, Br J Radiol 1991; **64:** 193

survival and mortality in prostatic cancer: a study based on the Swedish cancer register, Norlén BJ, Acta Oncol 1991; **30:** 141

therapeutic options in the management of incidental carcinoma of the prostate, Markiewicz D; Hanks GE, Int J Radiat Oncol Biol Phys 1991; **20:** 153

transrectal biopsy of the prostate guided with transrectal US: longitudinal and multiplanar scanning, Torp-Pedersen ST; Lee F; Littrup PJ; Siders DB; Kumasaka GH; Solomon MH; McLeary RD, Radiology 1989; **170:** 23

transrectal sonography for serial evaluation of prostatic malignancy, (ab), Dershaw DD; Scher HI; Smart T, Radiology 1991; **178:** 589

transrectal ultrasonography compared to histopathological assessment for local staging of prostatic carcinoma, Enlund A; Pedersen K; Boeryd B; et al, Acta Radiol 1990; **31:** 597

transrectal ultrasound appearance of transitional cell carcinoma involving the prostate, (ab), Terris MK; Villers A; Freiha FS, Radiology 1991; **178:** 293

transrectal ultrasound findings of prostate cancer mimicking primary rectal tumor, Lorentzen T; Torp-Pedersen S; Nolsøe C, Acta Radiol 1990; **31:** 625

transrectal ultrasound for staging prior to radical prostatectomy, (ab), Hardeman SW; Causey JQ; Hickey DP; et al, Radiology 1990; **175:** 589

transrectal ultrasound in the diagnosis and staging of prostatic carcinoma, Lee F Jr; Torp-Pedersen ST; Siders DB; Littrup PJ; McLeary RD, Radiology 1989; **170:** 609

treatment of early prostatic cancer, Chodak G, Acta Oncol 1991; **30:** 243

treatment of locally advanced prostate cancer with radiation therapy, (ab), Hanks GE, Radiology 1990; **174:** 292

ultrasonically guided ^{125}iodine seed implantation with external radiation in management of localized prostatic carcinoma, (ab), Iversen P; Bak M; Juul N; et al, Radiology 1990; **175:** 589

ultrasound guided transrectal core biopsies of the palpably abnormal prostate, (ab), Hodge KK; McNeal JE; Stamey TA, Radiology 1990; **174:** 900

ureteral obstruction associated with prostate cancer: the outcome after percutaneous nephrostomy, (ab), Chiou RK; Chang WY; Horan JJ, Radiology 1991; **178:** 292

use of transrectal prostatic ultrasonography in the evaluation of patients with prostatic carcinoma, (ab), Waterhouse RL; Resnick MI, Radiology 1989; **172:** 885

utilization of bone scans in conjunction with prostate-specific antigen levels in the surveillance for recurrence of adenocarcinoma after radical prostatectomy, Terris MK; Klonecke AS; McDougall IR; et al, J Nucl Med 1991; **32:** 1713

value of random US-guided transrectal prostate biopsy, Dyke CH; Toi A; Sweet JM, Radiology 1990; **176:** 345

visualization and quantification of transplanted Dunning prostate tumors in rats using magnetic resonance imaging, (ab), Rudin M; Qureshi S; Tolcsvai L; et al, Radiology 1989; **170:** 902

what is the optimal treatment for early prostatic cancer? summary of the discussion, Schröder FH, Acta Oncol 1991; **30:** 247

zonal distribution of prostatic adenocarcinoma: correlation with histologic pattern and direction of spread, (ab), McNeal JE; Redwine EA; Freiha FS; et al, Radiology 1989; **172:** 292

Prostate, radionuclide studies

adenocarcinoma of the prostate presenting as a single focus of radionuclide accumulation in the mandible on bone and gallium images, Ackerman L; Reyes CV; Shirazi P; et al, Clin Nucl Med 1989; **14:** 542

N-3-[^{18}F]fluoropropylputrescine as potential PET imaging agent for prostate and prostate derived tumors, Hwang D-R; Lang L; Mathias CJ; et al, J Nucl Med 1989; **30:** 1205

utilization of bone scans in conjunction with prostate-specific antigen levels in the surveillance for recurrence of adenocarcinoma after radical prostatectomy, Terris MK; Klonecke AS; McDougall IR; et al, J Nucl Med 1991; **32:** 1713

Prostate, surgery

giant prostatic fossa with misleading radiographic features, Stenzl A; Fuchs GJ, Urol Radiol 1989; **11:** 169

invasion of the neurovascular bundle by prostate cancer: evaluation with MR imaging, Tempany CMC; Rahmouni AD; Epstein JI; Walsh PC; Zerhouni EA, Radiology 1991; **181:** 107

radical surgery versus radiation therapy in early prostatic carcinoma, Robertson CN; Paulson DF, Acta Oncol 1991; **30:** 239

radiotherapy or surgery for prostate cancer? ten and fifteen-year results of external beam therapy, Hanks GE, Acta Oncol 1991; **30:** 231

Prostate, therapeutic radiology

adjuvant therapy in early prostatic cancer: summary of the discussion, Esposti PL, Acta Oncol 1991; **30:** 267

analysis of independent variables affecting survival after recurrence of prostate cancer, Hanks GE; Martz KL; Krall JM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1431

beam's eye view based prostate treatment planning: is it useful?, Low NN; Vijayakumar S; Rosenberg I; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 759

boost treatment of the prostate using shaped, fixed fields, Ten Haken RK; Perez-Tamayo C; Tesser RJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 193

bowel complications after radiotherapy for carcinoma of the prostate: the volume effect, Mameghan H; Fisher R; Mameghan J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 315

carcinoma of the prostate stage B and C: lack of influence of duration of radiotherapy on tumor control and treatment morbidity, Lai PP; Perez CA; Shapiro SJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 561

conformal static field therapy for low volume low grade prostate cancer with rigid immobilization, Soffen EM; Hanks GE; Hwang CC; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 141

CT scanning for definitive radiotherapy planning of prostate cancer: necessity or nicety?, Hamilton CS; Joseph DJ; Skov A; et al, Australas Radiol 1990; **34:** 288

cure of primary prostate cancer by radiotherapy—high-tech quest for a non-existent grail?, Hamilton CS; Denham JW, Australas Radiol 1990; **34:** 5

definitive radiation therapy for localized prostatic adenocarcinoma, Arcangeli G; Micheli A; Arcangeli G; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 439

effect of local control on metastatic dissemination in carcinoma of the prostate: long-term results in patients treated with ^{125}I implantation, Fuks Z; Leibel SA; Wallner KE; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 537

effect of overall treatment time on local control in patients with adenocarcinoma of the prostate treated with radiation therapy, Amdur R;; Parsons JT; Fitzgerald LT; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1377

hormonal cytoreduction in locally advanced carcinoma of the prostate treated with definitive radiotherapy: preliminary results of RTOG 83-07, Pilepich MV; Krall JM; John MJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 813

impact of surgical staging in evaluating the radiotherapeutic outcome in RTOG phase III study for A_2 and B prostate carcinoma, Asbell SO; Martz KL; Pilepich MV; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 945

influence of initial hemoglobin and blood pressure levels on results of radiation therapy for carcinoma of the prostate, Dunphy EP; Petersen IA; Cox RS; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1173

intracavitary irradiation of prostatic carcinoma by a high dose-rate afterloading technique, Odelberg-Johnson O; Underskog I; Johansson J-E; et al, Acta Oncol 1991; **30:** 45

late radiation damage in prostate cancer patients treated by high dose external radiotherapy in relation to rectal dose, Smit WGJM; Helle PA; van Putten WLJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 23

multiplanar arc boost radiation therapy for prostate cancer, Serago CF; Lewin AA; Houdek PV; Schwade JG; Abitol AA, Radiology 1989; **172:** 561

oncology/radiation therapy: RSNA '88 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1989; **170:** 917

oncology/radiation therapy: RSNA '89 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1990; **174:** 919

palliative hemiskeletal irradiation for widespread metastatic prostate cancer: a comparison of single dose and fractionated regimens, Zelefsky MJ; Scher HI; Forman JD; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1281

pelvic lymphadenectomy and transperineal interstitial implantation of Ir 192 combined with external beam radiotherapy for bulky stage C prostatic carcinoma, Brindle JS; Martinez A; Schray M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1063

positive margins: is adjunctive radiation therapy indicated?, Paulson DF; Robertson CN, Acta Oncol 1991; **30:** 263

pre and posttreatment evaluation of sexual function in patients with adenocarcinoma of the prostate, Zinreich ES; Derogatis LR; Herpst J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 729

preliminary report on 10 patients treated with radiotherapy after radical prostatectomy for isolated elevation of serum PSA levels, Keisch ME; Perez CA; Grigsby PW; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1503

prospective study of prostate specific antigen levels in patients receiving radiotherapy for localized carcinoma of the prostate, Meek AG; Park TL; Oberman E; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 733

prostate cancer: retrograde urethrography to improve treatment planning for radiation therapy, Schild SE; Buskirk SJ; Robinow JS, Radiology 1991; **181:** 885

prostatic specific antigen as an indicator of response to radiotherapy in prostate cancer, Landmann C; Hunig R, Int J Radiat Oncol Biol Phys 1989; **17:** 1073

radical radiotherapy in prostatic carcinoma, Nilsson I; Lindholm C-E; Landberg T; et al, Acta Oncol 1989; **28:** 261

radical surgery versus radiation therapy in early prostatic carcinoma, Robertson CN; Paulson DF, Acta Oncol 1991; **30:** 239

radiotherapy or surgery for prostate cancer? ten and fifteen-year results of external beam therapy, Hanks GE, Acta Oncol 1991; **30:** 231

radiotherapy vs. hormonal therapy for the management of locally recurrent prostate cancer following radical prostatectomy, Anscher MS; Prosnitz LR, Int J Radiat Oncol Biol Phys 1989; **17:** 953

reduction of spinal metastases after preemptive irradiation in prostatic cancer, Kaplan ID; Valdagni R; Cox RS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1019

role of adjuvant irradiation following primary prostatectomy, based on histopathologic extent of tumor, Shevlin BE; Mittal BB; Brand WN; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1425

role of serum prostatic acid phosphatase in the management of adenocarcinoma of the prostate with radiotherapy, Carlton JC; Zagars GK; Oswald MJ, Int J Radiat Oncol Biol Phys 1990; **19:** 1383

secondary external-beam radiotherapy and hyperthermia for local recurrence after 125-iodine implantation in adenocarcinoma of the prostate, Kaplan I; Kapp DS; Bagshaw MA, Int J Radiat Oncol Biol Phys 1991; **20:** 551

sequential hemibody radiotherapy in poor prognosis localized adenocarcinoma of the prostate gland: a preliminary study of the RTOG, MacLennan I; Selim HM; Rubin P, Int J Radiat Oncol Biol Phys 1989; **16:** 215

therapeutic options in the management of incidental carcinoma of the prostate, Markiewicz D; Hanks GE, Int J Radiat Oncol Biol Phys 1991; **20:** 153

three-dimensional treatment planning considerations for prostate cancer, Simpson JR; Purdy JA; Manolis JM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 243

treatment of early prostatic cancer, Chodak G, Acta Oncol 1991; **30:** 243

treatment of locally advanced prostate cancer with radiation therapy, (ab), Hanks GE, Radiology 1990; **174:** 292

treatment planning issues related to prostate movement in response to differential filling of the rectum and bladder, Ten Haken RK; Forman JD; Heimburger DK; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1317

ultrasonically guided ^{125}iodine seed implantation with external radiation in management of localized prostatic carcinoma, (ab), Iversen P; Bak M; Juul N; et al, Radiology 1990; **175:** 589

what is the optimal treatment for early prostatic cancer? summary of the discussion, Schröder FH, Acta Oncol 1991; **30:** 247

Prostate, US

appearance of prostate cancer on transrectal ultrasonography: correlation of imaging and pathological examinations, (ab), Shinohara K; Wheeler TM; Scardino PT; et al, Radiology 1990; **174:** 899

biologic aggressiveness of palpable and nonpalpable prostate cancer: assessment with endosonography, Baran GW; Golin AL; Bergama CJ; Stone TE; Wilson PR; Reichardt BA; Lobert PF; Locke CS, Radiology 1991; **178:** 201

bright echogenic foci in early prostatic carcinoma: sonographic and pathologic correlation, Hamper UM; Sheth S; Walsh PC; Epstein JI, Radiology 1990; **176:** 339

capsular transgression of prostatic carcinoma: evaluation with transrectal US with pathologic correlation, Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; **178:** 791

carcinoma of the prostate: value of transrectal sonography in detecting extension into the neurovascular bundle, Hamper UM; Sheth S; Walsh PC; et al, AJR 1990; **155:** 1015

correlation of histopathological, microradiographic and ultrasonographic features in disease of the prostate gland, Jones DR; Griffiths GJ; Parkinson MC; et al, Br J Radiol 1989; **62:** 1059

current status of transrectal ultrasonography in the diagnosis and management of prostatic cancer, Griffiths GJ; Clements R; Peeling WB, Clin Radiol 1989; **40:** 337

cystic lesions of the prostate, Nghiem HT; Kellman GM; Sandberg SA; Craig BM, Radiographics 1990; **10:** 635

cystic lesions of the prostate gland: a sonographic-pathologic correlation, Hamper UM; Epstein JI; Sheth S; et al, J Ultrasound Med 1990; **9:** 395

determination of prostate volume with transrectal US for cancer screening: part I. comparison with prostate-specific antigen assays, Littrup PJ; Kane RA; Williams CR; Egglin TK; Lee F; Torp-Pedersen S; Church PA, Radiology 1991; **178:** 537

determination of prostate volume with transrectal US for cancer screening: part II. accuracy of in vitro and in vivo techniques, Littrup PJ; Williams CR; Egglin TK; Kane RA, Radiology 1991; **179:** 49

determination of prostatic volume by ultrasonography. a useful procedure in patients with prostatism?, (ab), Hendrikx AJM; Doesburg WH; Reintjes AGM; et al, Radiology 1989; **173:** 588

echogenicity of prostate cancer correlated with histologic grade and stromal fibrosis: endorectal US studies, Rifkin MD; McGlynn ET; Choi H, Radiology 1989; **170:** 549

effectiveness of ultrasound in the preoperative evaluation of patients with prostatism, (ab), Hendrikx AJM; Doesburg WH; Reintjes AGM; et al, Radiology 1989; **172:** 587

genitourinary radiology. RSNA '88 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM, Radiology 1989; **170:** 601

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

granulomatous prostatitis: a hypoechoic lesion of the prostate, Rubenstein JB; Swayne LC; Magidson JG; et al, Urol Radiol 1991; 13: 119

histological analysis of ultrasonic images of the prostate: an accurate technique, Hendrikx AJM; de la Rosette JJMCH; van Helvoort-van Dommelen CAM; et al, Ultrasound Med Biol 1990; 16: 667

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate-specific antigen, Lee F Jr; Torp-Pedersen ST; Littrup PJ; McLeary RD; McHugh TA; Smid AP; Stella PJ; Borlaza GS, Radiology 1989; 170: 29

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate specific antigen, Chang P; Friedland GW, Radiology 1990; 175: 581

hypoechoic lesions of the prostate: clinical relevance of tumor size, digital rectal examination, and prostate specific antigen: reply, Torp-Pedersen ST; Lee F, Radiology 1990; 175: 583

imaging the prostate, Rickards D, Clin Radiol 1989; 40: 335

intraoperative real-time ultrasonic scanning for microwave coagulation of the prostate, Harada T; Kigure T; Kumazaki T; et al, Urol Radiol 1990; 12: 45

malacoplakia of the prostate sonographically mimicking carcinoma, Chantelois AE; Parker SH; Sims JE; Horne DW, Radiology 1990; 177: 193

nonpalpable cancer of the prostate: assessment with transrectal US, Lee F Jr; Bronson JP; Lee F; Torp-Pedersen ST; Siders DB; Thornbury JR; McHugh TA, Radiology 1991; 178: 197

palpable masses in the prostate: superior accuracy of US-guided biopsy compared with accuracy of digitally guided biopsy, Rifkin MD; Alexander AA; Pisarchick J; Matteucci T, Radiology 1991; 179: 41

palpable prostatic nodules: comparison of US and digital guidance for fine-needle aspiration biopsy, Ajzen SA; Goldenberg SL; Allen GJ; Cooperberg PL; Chan NH; Jones EC, Radiology 1989; 171: 521

prostate sonography: clinical indications and implications, Rifkin MD, Urol Radiol 1989; 11: 238

role of transrectal ultrasonography in the diagnosis and management of prostatic and seminal vesicle cysts, (ab), Shabsigh R; Lerner S; Fishman IJ; et al, Radiology 1989; 173: 291

sonoelasticity imaging: results in in vitro tissue specimens, Lee F Jr; Bronson JP; Lerner RM; Parker KJ; Huang S-R; Roach DJ, Radiology 1991; 181: 237

stage A adenocarcinoma of the prostate: transrectal US and sonographic-pathologic correlation, Sheth S; Hamper UM; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; 179: 35

stage B adenocarcinoma of the prostate: transrectal US and pathologic correlation of nonmalignant hypoechoic peripheral zone lesions, Hamper UM; Sheth S; Walsh PC; Holtz PM; Epstein JI, Radiology 1991; 180: 101

state of the art: endorectal sonography of the prostate gland, Rifkin MD; Dähnert W; Kurtz AB, AJR 1990; 154: 691

"state of the art" transrectal ultrasound imaging in the assessment of prostatic disease, Clements R; Griffiths GJ; Peeling WB, Br J Radiol 1991; 64: 193

transrectal biopsy of the prostate guided with transrectal US: longitudinal and multiplanar scanning, Torp-Pedersen ST; Lee F; Littrup PJ; Siders DB; Kumasaka GH; Solomon MH; McLeary RD, Radiology 1989; 170: 23

transrectal sonography for serial evaluation of prostatic malignancy, (ab), Dershaw DD; Scher HI; Smart T, Radiology 1991; 178: 589

transrectal ultrasonography compared to histopathological assessment for local staging of prostatic carcinoma, Enlund A; Pedersen K; Boeryd B; et al, Acta Radiol 1990; 31: 597

transrectal ultrasound appearance of granulomatous prostatitis, Bude R; Bree RL; Adler RS; et al, J Ultrasound Med 1990; 9: 677

transrectal ultrasound appearance of transitional cell carcinoma involving the prostate, (ab), Terris MK; Villers A; Freiha FS, Radiology 1991; 178: 293

transrectal ultrasound findings of prostate cancer mimicking primary rectal tumor, Lorentzen T; Torp-Pedersen S; Nolsøe C, Acta Radiol 1990; 31: 625

transrectal ultrasound for staging prior to radical prostatectomy, (ab), Hardeman SW; Causey JQ; Hickey DP; et al, Radiology 1990; 175: 589

transrectal ultrasound in the diagnosis and staging of prostatic carcinoma, Lee F Jr; Torp-Pedersen ST; Siders DB; Littrup PJ; McLeary RD, Radiology 1989; 170: 609

transrectal ultrasound in the investigation of haemospermia, Etherington RJ; Clements R; Griffiths GJ; et al, Clin Radiol 1990; 41: 175

ultrasonography. RSNA '89 meeting notes, Merritt CRB; Lawson TL; Cooperberg PL, Radiology 1990; 174: 604

ultrasound of the prostate and its use for guided biopsy, Torp-Pedersen S, Acta Oncol 1991; 30: 153

use of transrectal prostatic ultrasonography in the evaluation of patients with prostatic carcinoma, (ab), Waterhouse RL; Resnick MI, Radiology 1989; 172: 885

value of random US-guided transrectal prostate biopsy, Dyke CH; Toi A; Sweet JM, Radiology 1990; 176: 345

volume measurement by ultrasonic transverse or sagittal cross-sectional scanning, Basset O; Gimenez G; Mestas JL; et al, Ultrasound Med Biol 1991; 17: 291

Prostatitis

granulomatous prostatitis: a hypoechoic lesion of the prostate, Rubenstein JB; Swayne LC; Magidson JG; et al, Urol Radiol 1991; 13: 119

transrectal ultrasound appearance of granulomatous prostatitis, Bude R; Bree RL; Adler RS; et al, J Ultrasound Med 1990; 9: 677

Prostheses

angioplasty-induced dissections in human iliac arteries: management with Palmaz balloon-expandable intraluminal stents, Becker GJ; Palmaz JC; Rees CR; Ehrman KO; Lalka SG; Dalsing MC; Cikrit DF; McLean GK; Burke DR; Richter GM; Noeldge G; Garcia O; Waller BF; Castaneda-Zuniga WR, Radiology 1990; 176: 31

prosthetic testicle: appearance at MR imaging, Semelka RC; Anderson M; Hricak H, Radiology 1989; 173: 561

Proteinosis

computed tomography appearances of pulmonary alveolar proteinosis, Murch CR; Carr DH, Clin Radiol 1989; 40: 240

Proteins

autoradiographic method for quantitation of radiolabeled proteins in tissues using indium-111, Morrel EM; Tompkins RG; Fischman AJ; et al, J Nucl Med 1989; 30: 1538

new therapeutic modalities for cancer, Thomas H; Sikora K, Acta Oncol 1991; 30: 107

oxygen free radical involvement in urinary Tamm-Horsfall protein excretion after intrarenal injection of contrast medium, Bakris GL; Gaber AO; Jones JD, Radiology 1990; 175: 57

Pseudoarthrosis

case report 608, Jensen SP; Richardson ML; Conrad EU; et al, Skeletal Radiol 1990; 19: 233

giant synovial cyst associated with a pseudoarthrosis of a rib: MR appearance, Morris CS; Beltran JL, AJR 1990; 155: 337

spinal pseudoarthrosis in ankylosing spondylitis, (ab), Fang D; Leong JCY; Ho EKW; et al, Radiology 1989; 170: 587

Pseudomyxoma peritonei

magnetic resonance imaging of pseudomyxoma peritonei, Buy J-N; Malbec L; Ghossain MA; et al, Eur J Radiol 1989; 9: 115

mucinous tumors of the appendix associated with mucinous tumors of the ovary and pseudomyxoma peritonei: a clinicopathological analysis of 22 cases supporting an origin in the appendix, (ab), Young RH; Gilks CB; Scully RE, Radiology 1991; 181: 296

pseudomyxoma peritonei from metastatic colloid carcinoma of the breast, Hawes D; Robinson R; Wira R, Gastrointest Radiol 1991; 16: 80

Pseudotumor cerebri

idiopathic intracranial hypertension: pathogenesis and the role of MR imaging, George AE, Radiology 1989; 170: 21

idiopathic intracranial hypertension (pseudotumor cerebri): MR imaging, Silbergleit R; Junck L; Gebarski SS; Hatfield MK, Radiology 1989; 170: 207

pseudotumor cerebri in men, (ab), Digre KB; Corbett JJ, Radiology 1989; 171: 294

Pubic bones

case report 689, Moran C; Braunstein EM; Ulbright T; et al, Skeletal Radiol 1991; 20: 465

false-positive artifact in the investigation of osteitis pubis, Murray IPC; Bass S, Clin Nucl Med 1991; 16: 597

Pulmonary angiography

diffuse pulmonary arteriovenous fistula shown by contrast echocardiography and pulmonary angiography, Murakami T; Nakanishi M; Konishi T; et al, Pediatr Radiol 1991; 21: 128

pulmonary angiography in pulmonary embolic disease, Newman GE, J Thorac Imag 1989; 4: 28

pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; 174: 51

survey on the use of pulmonary scintigraphy and angiography for suspected pulmonary thromboembolism in the UK, Cooper TJ; Hayward MWJ; Hartog M, Clin Radiol 1991; 43: 243

torsion of the upper lobe of the lung after surgery: findings on pulmonary angiography, Munk PL; Vellet AD; Zwirewich C, AJR 1991; 157: 471

zones of increased perfusion (hot spots) on perfusion lung scans: correlation with pulmonary arteriograms, Meignan M; Palmer EL; Waltman AC; Strauss HW, Radiology 1989; 173: 47

zones of increased perfusion (hot spots) on perfusion lung scans, Massoud TF, Radiology 1990; 175: 286

zones of increased perfusion (hot spots) on perfusion lung scans: reply, Strauss HW, Radiology 1990; 175: 286

Pulmonary angiography, technology

technique for pulmonary artery catheterization in patients with right ventricular enlargement, Waltman AC; Walker TG, AJR 1989; 152: 391

Pulmonary arteries

bronchovascular anatomy of the upper lobes: evaluation with thin-section CT, Lee KS; Bae WK; Lee BH; Kim IY; Choi EW; Lee BH, Radiology 1991; 181: 765

incidence and patterns of pulmonary artery involvement in Takayasu's arteritis, Sharma S; Kamalakar T; Rajani M; et al, Clin Radiol 1990; 42: 177

percutaneous removal of a Gianturco coil from the pulmonary artery with use of flexible intravascular forceps, Chomyn JJ; Craven WM; Groves BM; Durham JD, JVIR 1991; 2: 105

pulmonary artery tears following balloon valvotomy for pulmonary stenosis, Burrows PE; Benson LN; Moes CAF; et al, Cardiovasc Intervent Radiol 1989; 12: 38

pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; 176: 761

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; 180: 699

zones of increased perfusion (hot spots) on perfusion lung scans: correlation with pulmonary arteriograms, Meignan M; Palmer EL; Waltman AC; Strauss HW, Radiology 1989; 173: 47

zones of increased perfusion (hot spots) on perfusion lung scans, Massoud TF, Radiology 1990; 175: 286

zones of increased perfusion (hot spots) on perfusion lung scans: reply, Strauss HW, Radiology 1990; 175: 286

Pulmonary arteries, abnormalities
case of the month: haemoptysis in a laundry worker, Jackson JE; Allison DJ, Br J Radiol 1989; **62:** 379
case of the month: Jekyll and Hyde chest radiographs, Cobby M; Duncan A; Hartnell G, Br J Radiol 1989; **62:** 561
horseshoe lung: differential diagnosis, Hawass N-E-D; El Badawi MG; Al-Muzrakchi AM; et al, Pediatr Radiol 1990; **20:** 580
horseshoe lung without respiratory distress, Takeda K; Kato N; Nakagawa T; et al, Pediatr Radiol 1990; **20:** 604
MR imaging of congenital anomalies of the thoracic aorta and pulmonary arteries, Gomes AS, Radiol Clin North Am 1989; **27:** 1171
MR imaging of unilateral pulmonary artery anomalies, Lynch DA; Higgins CB, JCAT 1990; **14:** 187
multiple coarctations of the pulmonary artery: scintigraphic appearance, Agrons GA; Maslack MM; Parry CE; et al, Clin Nucl Med 1990; **15:** 19
proximal interruption of a main pulmonary artery with transpleural collateral vessels: CT and MR appearances, Morgan PW; Foley DW; Erickson SJ, JCAT 1991; **15:** 311
pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; **174:** 51
pulmonary artery–bronchus ratios in patients with normal lungs, pulmonary vascular plethora, and congestive heart failure, Woodring JH, Radiology 1991; **179:** 115
sling left pulmonary artery with congenital airway stenosis: non-invasive investigation and conservative management?, Hendry GMA; Edmunds AT; Marshall TG; et al, Br J Radiol 1991; **64:** 629

Pulmonary arteries, CT
bronchovascular anatomy of the upper lobes: evaluation with thin-section CT, Lee KS; Bae WK; Lee BH; Kim IY; Choi EW; Lee BH, Radiology 1991; **181:** 765
MR and CT findings in pulmonary artery sarcoma, Smith WS; Lesar MS; Travis WD; et al, JCAT 1989; **13:** 906
proximal interruption of a main pulmonary artery with transpleural collateral vessels: CT and MR appearances, Morgan PW; Foley DW; Erickson SJ, JCAT 1991; **15:** 311

Pulmonary arteries, flow dynamics
estimation of aortic and pulmonary blood flow in a paediatric population using Doppler ultrasound: an *in-vitro* study, Soul FJ; Hames TK; Thomas VL; et al, Ultrasound Med Biol 1990; **16:** 659
gleaning physiologic information from the conventional chest radiograph, Ravin CE, Radiology 1991; **179:** 17
pulmonary artery–bronchus ratios in patients with normal lungs, pulmonary vascular plethora, and congestive heart failure, Woodring JH, Radiology 1991; **179:** 115
pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; **176:** 761
pulmonary vasculature: high-resolution MR imaging. work in progress, Hatabu H; Gefter WB; Kressel HY; Axel L; Lenkinski RE, Radiology 1989; **171:** 391

Pulmonary arteries, MR
magnetic resonance imaging of the pulmonary arteries and veins, Julsrud PR, Semin US CT MR 1990; **11:** 184
MR and CT findings in pulmonary artery sarcoma, Smith WS; Lesar MS; Travis WD; et al, JCAT 1989; **13:** 906
MR imaging of congenital anomalies of the thoracic aorta and pulmonary arteries, Gomes AS, Radiol Clin North Am 1989; **27:** 1171
MR imaging of unilateral pulmonary artery anomalies, Lynch DA; Higgins CB, JCAT 1990; **14:** 187
MRI of surgically created pulmonary artery narrowing in the dog, Hernandez RJ; Rocchini AP; Bove EL; et al, Pediatr Radiol 1989; **20:** 52
proximal interruption of a main pulmonary artery with transpleural collateral vessels: CT and MR appearances, Morgan PW; Foley DW; Erickson SJ, JCAT 1991; **15:** 311
pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; **174:** 51
pulmonary artery sarcoma: evaluation using Gd-DTPA, Weinreb JC; Davis SD; Berkmen YM; et al, JCAT 1990; **14:** 647
pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; **176:** 761
pulmonary vasculature: high-resolution MR imaging. work in progress, Hatabu H; Gefter WB; Kressel HY; Axel L; Lenkinski RE, Radiology 1989; **171:** 391
tetralogy of Fallot: MR findings, Mirowitz SA; Gutierrez FR; Canter CE; Vannier MW, Radiology 1989; **171:** 207

Pulmonary arteries, neoplasms
primary pulmonary artery sarcoma—a report of two cases, with special emphasis on the diagnostic problems, Britton PD, Clin Radiol 1990; **41:** 92

Pulmonary arteries, obstruction
See Pulmonary arteries, stenosis or obstruction

Pulmonary arteries, radionuclide studies
multiple coarctations of the pulmonary artery: scintigraphic appearance, Agrons GA; Maslack MM; Parry CE; et al, Clin Nucl Med 1990; **15:** 19

Pulmonary arteries, stenosis or obstruction
balloon angioplasty–branch pulmonary artery stenosis: results from the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Kan JS; Marvin WJ; Bass JL; et al, Radiology 1990; **177:** 893
compression of pulmonary artery by syphilitic thoracic aortic aneurysm: imaging, Preston DS; Colletti PM; Raval JK; et al, Clin Nucl Med 1989; **14:** 610
homemade snare for removal of foreign bodies, Hartnell GG, Radiology 1991; **181:** 903
MRI of surgically created pulmonary artery narrowing in the dog, Hernandez RJ; Rocchini AP; Bove EL; et al, Pediatr Radiol 1989; **20:** 52
nitinol gooseneck snare for removal of foreign bodies: experimental study and clinical evaluation, Yedlicka JW Jr; Carlson JE; Hunter DW; Castañeda-Zúñiga WR; Amplatz K, Radiology 1991; **178:** 691

Pulmonary arteries, surgery
pediatric case of the day, Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT, Radiographics 1990; **10:** 119
pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; **174:** 51

Pulmonary arteries, therapeutic blockade
transcatheter detachable balloon embolotherapy for catheter-induced pulmonary artery pseudoaneurysm, Markowitz DM; Hughes SH; Shaw C; et al, J Thorac Imag 1991; **6-2:** 75

Pulmonary arteries, transluminal angioplasty
balloon angioplasty–branch pulmonary artery stenosis: results from the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Kan JS; Marvin WJ; Bass JL; et al, Radiology 1990; **177:** 893
balloon debanding of the pulmonary artery, Bjørnstad PG; Lindberg HL; Smevik B; et al, Cardiovasc Intervent Radiol 1990; **13:** 300

Pulmonary arteries, US
imaging of patent ductus arteriosus by transesophageal color-coded Doppler echocardiography, Mügge A; Daniel WG; Lichtlen PR, JCU 1991; **19:** 128
pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; **174:** 51

Pulmonary hypertension
See Hypertension, pulmonary

Pulmonary valve
pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; **174:** 51

Pulmonary valve, interventional procedure
balloon pulmonary valvotomy: palliation for cyanotic heart disease, (ab), Boucek MM; Webster HE; Ormond GS; et al, Radiology 1989; **170:** 290
balloon pulmonary valvuloplasty: results of the valvuloplasty and angioplasty of congenital anomalies registry, (ab), Stanger P; Cassidy SC; Girod DA; et al, Radiology 1990; **177:** 599
intraoperative balloon valvuloplasty in pulmonary valve stenosis, Medina A; Bethencourt A; Olalla E; et al, Cardiovasc Intervent Radiol 1989; **12:** 199
pulmonary artery tears following balloon valvotomy for pulmonary stenosis, Burrows PE; Benson LN; Moes CAF; et al, Cardiovasc Intervent Radiol 1989; **12:** 38

Pulmonary veins
bronchovascular anatomy of the upper lobes: evaluation with thin-section CT, Lee KS; Bae WK; Lee BH; Kim IY; Choi EW; Lee BH, Radiology 1991; **181:** 765
diameters of pulmonary veins in normal children—an angiocardiographic study, Robida A, Cardiovasc Intervent Radiol 1989; **12:** 307
pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; **176:** 761
pulmonary vasculature: high-resolution MR imaging. work in progress, Hatabu H; Gefter WB; Kressel HY; Axel L; Lenkinski RE, Radiology 1989; **171:** 391
pulmonary veins, Budorick NE; McDonald V; Flisak ME; et al, Semin Roentgenol 1989; **24:** 127

Pulmonary veins, abnormalities
abnormalities of the pulmonary veins: evaluation with MR imaging and comparison with cardiac angiography and echocardiography, Masui T; Seelos KC; Kersting-Sommerhoff BA; Higgins CB, Radiology 1991; **181:** 645
case of the month: a clinical red herring, Murch CR; Taylor AJN, Br J Radiol 1991; **64:** 637
esophageal vascular impression in total anomalous pulmonary venous return below the diaphragm, Ablin DS; Newell JD; Davis M, Pediatr Radiol 1989; **19:** 454
pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax, Hernanz-Schulman M; Stein SM; Neblett WW; Atkinson JB; Kirchner SG; Heller RM; Merrill WH; Fleischer AC, Radiology 1991; **180:** 817
pulmonary veins, Budorick NE; McDonald V; Flisak ME; et al, Semin Roentgenol 1989; **24:** 127

Pulmonary veins, MR
abnormalities of the pulmonary veins: evaluation with MR imaging and comparison with cardiac angiography and echocardiography, Masui T; Seelos KC; Kersting-Sommerhoff BA; Higgins CB, Radiology 1991; **181:** 645
CT and MR imaging of partial anomalous pulmonary venous return to the azygos vein, Thorsen MK; Erickson SJ; Mewissen MW; et al, JCAT 1990; **14:** 1007
magnetic resonance imaging of the pulmonary arteries and veins, Julsrud PR, Semin US CT MR 1990; **11:** 184
pulmonary vascular cine MR imaging: a noninvasive approach to dynamic imaging of the pulmonary circulation, Gefter WB; Hatabu H; Dinsmore BJ; Axel L; Palevsky HI; Reichek N; Schiebler ML; Kressel HY, Radiology 1990; **176:** 761
pulmonary vasculature: high-resolution MR imaging. work in progress, Hatabu H; Gefter WB; Kressel HY; Axel L; Lenkinski RE, Radiology 1989; **171:** 391

Purpura
CT and ultrasound of abdominal hemorrhage in Henoch-Schönlein purpura, Demirci A; Cengiz K; Baris S; et al, JCAT 1991; **15:** 143

images before and after splenectomy showing the distribution of homologous In-111 platelets in a case of immune thrombocytopenic purpura, Surveyor I; Mullan BP; Barr AL; et al, Clin Nucl Med 1990; **15:** 850

platelet destruction in autoimmune thrombocytopenic purpura: kinetics and clearance of indium-111-labeled autologous platelets, Stratton JR; Ballem PJ; Gernsheimer T; et al, J Nucl Med 1989; **30:** 629

renal trapping of In-111 troponolate labeled platelets in thrombotic thrombocytopenic purpura, Kuipers EJ; Brouwers TM; Hazenberg HJA, Clin Nucl Med 1991; **16:** 506

splenic dynamics of indium-111 labeled platelets in idiopathic thrombocytopenic purpura, Syrjälä MT; Savolainen S; Nieminen U; et al, J Nucl Med 1989; **30:** 1546

stenosing hemorrhagic ureteritis in a child with Henoch-Schönlein purpura: CT appearance, Smet M-H; Marchal G; Oyen R; et al, JCAT 1991; **15:** 326

thrombotic thrombocytopenia purpura in patients with the acquired immunodeficiency syndrome (AIDS)-related complex: a report of two cases, (ab), Nair JMG; Bellevue R; Bertoni M; et al, Radiology 1989; **170:** 904

ultrasonographic findings in duodenum caused by Schönlein–Henoch purpura, Miyamoto Y; Fukuda Y; Urushibara K; et al, JCU 1989; **17:** 299

Pyelography
See Urography

Pyelonephritis
See Nephritis

Pylorus
antropyloric muscle thickness at US in infants: what is normal?, O'Keeffe FN; Stansberry SD; Swischuk LE; Hayden CK Jr, Radiology 1991; **178:** 827

pylorus-preserving Whipple pancreaticoduodenectomy: postoperative evaluation, Trerotola SO; Jones B; Crist DW; Cameron JL, Radiology 1989; **171:** 735

what happens to the pylorus after pyloromyotomy?, (ab), Okorie NM; Dickson JAS; Carver RA; et al, Radiology 1989; **172:** 295

Pylorus, stenosis
antropyloric muscle thickness at US in infants: what is normal?, O'Keeffe FN; Stansberry SD; Swischuk LE; Hayden CK Jr, Radiology 1991; **178:** 827

balloon catheter dilatation for hypertrophic pyloric stenosis, (ab), Hayashi AH; Giacomantonio JM; Lau HYC; et al, JVIR 1991; **2:** 296

hypertrophic pyloric stenosis: use of the pyloric volume measurement in early US diagnosis, Westra SJ; de Groot CJ; Smits NJ; Staalman CR, Radiology 1989; **172:** 615

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine the imaging modality, Finkelstein MS; Mandell GA; Tarbell KV, Radiology 1990; **177:** 759

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Cohen HL; Haller JO, Radiology 1991; **179:** 877

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality: reply, Mandell GA; Finkelstein MS, Radiology 1991; **179:** 878

interventional radiologic management of enteric strictures, McLean GK; Meranze SG, Radiology 1989; **170:** 1049

pyloric stenosis in the sick premature infant: clinical and radiological findings, (ab), Tack ED; Perlman JM; Bower RJ; et al, Radiology 1989; **170:** 295

ultrasound diagnosis of evolving pyloric stenosis, Weiskittel DA; Leary DL; Blane CE, Gastrointest Radiol 1989; **14:** 22

ultrasound in the diagnosis of hypertrophic pyloric stenosis, (ab), Westra SJ, Radiology 1991; **181:** 290

Pylorus, US
antropyloric muscle thickness at US in infants: what is normal?, O'Keeffe FN; Stansberry SD; Swischuk LE; Hayden CK Jr, Radiology 1991; **178:** 827

hypertrophic pyloric stenosis: use of the pyloric volume measurement in early US diagnosis, Westra SJ; de Groot CJ; Smits NJ; Staalman CR, Radiology 1989; **172:** 615

sonographic pitfalls in imaging of the antropyloric region in infants, Swischuk LE; Hayden CK Jr; Stansberry SD, Radiographics 1989; **9:** 437

ultrasound diagnosis of evolving pyloric stenosis, Weiskittel DA; Leary DL; Blane CE, Gastrointest Radiol 1989; **14:** 22

ultrasound in the diagnosis of hypertrophic pyloric stenosis, (ab), Westra SJ, Radiology 1991; **181:** 290

Pyonephrosis
See Kidney, abscess

Q

Quality assurance
See also under specific procedures, such as Breast radiography, quality assurance

assessment of radiology installations in Macedonia, Greece, Okkalides D, Eur J Radiol 1991; **12:** 177

assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; **177:** 265

average radiation exposure values for three diagnostic radiographic examinations, Rueter FG; Conway BJ; McCrohan JL; Suleiman OH, Radiology 1990; **177:** 341

collaborative evaluations of diagnostic tests: experience of the Radiology Diagnostic Oncology Group, Gatsonis C; McNeil BJ, Radiology 1990; **175:** 571

continuing reject-repeat film analysis program, Gadeholt G; Geitung JT; Göthlin JH; et al, Eur J Radiol 1989; **9:** 137

diagnostic radiology peer review: a method inclusive of all interpreters of radiographic examinations regardless of specialty, Hopper KD; Rosetti GF; Edmiston RB; Madewell JE; Beam LM; Landis JR; Miller KL; Ricci JA; McCauslin MA, Radiology 1991; **180:** 557

dynamic probabilistic model for determination of optimal timing of surveillance chest radiography in pediatric Hodgkin disease, Chang PJ; Parker BR; Donaldson SS; Thompson EI, Radiology 1989; **173:** 71

effect of verification on the assessment of imaging techniques, Revesz G; Kundel HL; Bonitatibus M, Invest Radiol 1990; **25:** 461

film cassette for quality assurance of dental x-ray tubes, Baldock C; Arnold MT, Br J Radiol 1990; **63:** 720

first clinical experience with a newly developed electronic portal imaging device, Meertens H; van Herk M; Bijhold J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1173

frequency measurements in real-time US equipment: variations from expected values, Kimme-Smith C; Duerinckx AJ; Kaiser S; Jones JP; Tessler FN; Bassett LW, Radiology 1989; **172:** 449

health outcomes research: its influence on clinical decision making and the development of new imaging technologies, Bucci VA, AJNR 1991; **12:** 397

hyperthermia quality assurance guidelines, Shrivastava P; Luk K; Oleson J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 571

impact of initial quality control review on study outcome in lung and head/neck cancer studies—review of the Radiation Therapy Oncology Group experience, Wallner PE; Lustig RA; Pajak TF; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 893

improved tool for testing screen-film contact in mammography, Mount CJ; Gray JE, Radiographics 1990; **10:** 1049

improvements in brachytherapy quality assurance, Slessinger E; Grigsby PW; Williams J, Int J Radiat Oncol Biol Phys 1989; **16:** 497

investigation into the performance of an automated quality assurance and dosimetry system in diagnostic radiology, Chapple C-L; Faulkner K; Harrison RM, Br J Radiol 1990; **63:** 635

linear array test tool, Goldstein A; Ranney D; McLeary RD, J Ultrasound Med 1989; **8:** 385

mammography registry: considerations and options, Clark RA; King PS; Worden JK, Radiology 1989; **171:** 91

median polish for quality assurance of a PET scanner, Kearfott KJ; Rucker RH, JCAT 1989; **13:** 932

monitoring and evaluating the quality and appropriateness of angiographic/interventional radiologic procedures, Cascade PN; Kastan DJ, Radiology 1990; **174:** 926

monitoring sedated pediatric patients during MR imaging, Shellock FG, Radiology 1990; **177:** 586

pediatric sedation, Cohen MD, Radiology 1990; **175:** 611

quality assurance of viewing boxes: proposal for establishing minimum requirements and results from a Spanish quality control programme, Guibelalde E; Vañó E; Llorca AL, Br J Radiol 1990; **63:** 564

quality assurance problems in clinical hyperthermia and their impact on therapeutic outcome: a report by the radiation therapy oncology group, Perez CA; Gillespie B; Pajak T; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 551

quality control procedure for 6-[^{18}F]fluoro-L-DOPA: a presynaptic PET imaging ligand for brain dopamine neurons, Chen J-J; Huang S-J; Finn RD; et al, J Nucl Med 1989; **30:** 1249

reject analysis: a pilot programme for image quality management, Arvanitis TN; Parizel PM; Degryse HR; et al, Eur J Radiol 1991; **12:** 171

RTOG quality assurance guidelines for clinical trials using hyperthermia administered by ultrasound, Waterman FM; Dewhirst MW; Fessenden P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1099

RTOG quality assurance guidelines for clinical trials using hyperthermia for deep-seated malignancy, Sapozink MD; Corry PM; Kapp DS; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1109

RTOG quality assurance guidelines for interstitial hyperthermia, Emami B; Stauffer P; Dewhirst MW; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1117

simple test pattern for mammographic screen-film contact measurement, Tanner RL, Radiology 1991; **178:** 883

standards of radiology practice: an approach to development, Athanasoulis CA; Thrall JH, Radiology 1989; **173:** 613

time and disease: the fourth dimension of radiology, Dwyer AJ, Radiology 1989; **173:** 17

use of an AAPM DSA phantom in quality assurance, Servomaa A; Björkman J, Eur J Radiol 1989; **9:** 217

R

Radiations
See also Dosimetry; Neutrons; Radiobiology; Radiography; Radionuclide imaging; Radionuclides; Therapeutic radiology

first radiation accident in America: a centennial account of the x-ray photograph made in 1890, Walden TL Jr, Radiology 1991; **181:** 635

Radiations, effects
See Radiations, injurious effects

Radiations, exposure to patients and personnel
AAPM tutorial: acceptable risk as a basis for regulation, Murphy PH, Radiographics 1991; **11:** 889

AAPM tutorial: development of radiation protection standards, Edwards M, Radiographics 1991; **11:** 699

AAPM tutorial: scientific view of low-level radiation risks, Hall EJ, Radiographics 1991; **11:** 509

age and sex specific radiographic examination frequency in the Netherlands, Beentjes LB; Timmermans CWM, Br J Radiol 1990; **63:** 691

analysis of personnel dose records which justifies the application of cost-benefit analysis techniques in the design of an afterloading facility and the use of controlled areas and systems of work within suite to control occupational exposure, Gifford D; Godden TJ; Kear D, Br J Radiol 1990; **63:** 214

average radiation exposure values for three diagnostic radiographic examinations, Rueter FG; Conway BJ; McCrohan JL; Suleiman OH, Radiology 1990; **177:** 341

cancer risk among staff at two radiotherapy departments in Denmark, Andersson M; Engholm G; Ennow K; et al, Br J Radiol 1991; **64:** 455

computerized calculation of radiation dose to patients from radiography, Chapple C-L; Faulkner K, Br J Radiol 1990; **63:** 801

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

current working practices during pregnancy in British radiologists, Haigh F; Given-Wilson R, Clin Radiol 1991; **44:** 108

development of video frame store and distortion correction facilities for an external-beam radiotherapy treatment simulator, Morton EJ; Evans PM; Ferraro M; et al, Br J Radiol 1991; **64:** 747

dose reduction during fluoroscopic placement of feeding tubes, Rudin S; Bednarek DR; Miller JA, Radiology 1991; **178:** 647

effectiveness of radiation control program for Dornier HM3 lithotriptor, (ab), Griffith DP; Gleeson MJ; Politis G; et al, Radiology 1989; **172:** 884

effect of changes in imaging technology on dose received by technologists, Hale J; Laufer I; Ditz BL, Radiology 1989; **173:** 576

enteroclysis and small bowel series: comparison of radiation dose and examination time, Thoeni RF; Gould RG, Radiology 1991; **178:** 659

environmental issues in radiology: control and disposal of hazardous wastes, Leavitt DD; Schiager KJ, Invest Radiol 1990; **25:** 942

equivalent total doses for different fractionation schemes, based on the linear quadratic model, Muller-Runkel R; Vijayakumar S, Radiology 1991; **179:** 573

estimation of doses to patients from "complex" conventional x-ray examinations, Calzado A; Vañó E; Morán P; et al, Br J Radiol 1991; **64:** 539

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

evaluation of the use of a niobium filter for patient dose reduction in chest radiography, Thierens H; Kunnen M; Van der Plaetsen A; et al, Br J Radiol 1991; **64:** 334

evolution of federal x-ray protection programs, Barnett M, Radiographics 1989; **9:** 1277

exposure rates in high-level-control fluoroscopy for image enhancement, Cagnon CH; Benedict SH; Mankovich NJ; Bushberg JT; Seibert JA; Whiting JS, Radiology 1991; **178:** 643

extremity doses during interventional radiology, Ramsdale ML; Walker WJ; Horton PW, Clin Radiol 1990; **41:** 34

film cassette for quality assurance of dental x-ray tubes, Baldock C; Arnold MT, Br J Radiol 1990; **63:** 720

flexible protective gloves: the emperor's new clothes?, Kelsey CA; Mettler FA Jr, Radiology 1990; **174:** 275

irradiation of volunteers in nuclear medicine, Huda W; Scrimger JW, J Nucl Med 1989; **30:** 260

mammography in the eighties, Conway BJ; McCrohan JL; Rueter FG; Suleiman OH, Radiology 1990; **177:** 335

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

measurement and estimation of organ Bremsstrahlung radiation dose, Williams LE; Wong JYC; Findley DO; et al, J Nucl Med 1989; **30:** 1373

medicolegal aspects of medical radiation exposure, Ross WM, Br J Radiol 1990; **63:** 313

occupational exposure and the Central Index of Dose Information, Kendall GM; Hughes JS, Br J Radiol 1990; **63:** 963

patient dose and associated risk due to radiological investigation of the internal auditory meatus, Tweed JJ; Davies ML; Faulkner K; et al, Br J Radiol 1991; **64:** 447

radiation absorbed dose from technetium-99m-labeled bone imaging agents, Weber DA; Makler PT Jr; Watson EE; et al, J Nucl Med 1989; **30:** 1117

radiation dose in defecography, Goei R; Kemerink G, Radiology 1990; **176:** 137

radiation doses due to breast imaging in Manitoba: 1978–1988, Huda W; Sourkes AM; Bews JA; Kowaluk R, Radiology 1990; **177:** 813

radiation doses in extracorporeal shock wave lithotripsy, Huda W; Bews JA; Saydak AP, Br J Radiol 1989; **62:** 921

radiation dose to neonates on a Special Care Baby Unit, Faulkner K; Barry JL; Smalley P, Br J Radiol 1989; **62:** 230

radiation dose to patients and personnel during fluoroscopy at percutaneous renal stone extraction, Geterud K; Larsson A; Mattsson S, Acta Radiol 1989; **30:** 201

radiation dose to urological surgeons during x-ray fluoroscopy for percutaneous stone extraction, Law J; Inglis JA; Tolley DA, Br J Radiol 1989; **62:** 185

radiation hormesis, Macklis RM; Beresford B, J Nucl Med 1991; **32:** 350

radiographic fallopian tube recanalization: absorbed ovarian radiation dose, Hedgpeth PL; Thurmond AS; Fry R; Schmidgall JR; Rösch J, Radiology 1991; **180:** 121

reduction in radiation dose for intra-oral radiographs by the use of thin K-edge filters, MacDonald-Jankowski DS; Lawinski CP, Br J Radiol 1991; **64:** 524

reduction in radiation exposure to nursing personnel with the use of remote afterloading brachytherapy devices, Grigsby PW; Perez CA; Eichling J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 627

review of occupational exposure in the North-Western Region, Pratt TA; Sweeney JK, Br J Radiol 1989; **62:** 734

scatter fractions in AMBER imaging, Chotas HG; Floyd CE Jr; Dobbins JT III; Lo JY; Ravin CE, Radiology 1990; **177:** 879

shielding considerations for an operating room based intraoperative electron radiotherapy unit, Mills MD; Almond PR; Boyer AL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1215

spectral dependence of glandular tissue dose in screen-film mammography, Wu X; Barnes GT; Tucker DM, Radiology 1991; **179:** 143

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

survey of the radiation exposures received by the staff at two cardiac catheterization laboratories, McParland BJ; Nosil J; Burry B, Br J Radiol 1990; **63:** 885

techniques for radioactive decontamination in nuclear medicine, Mountford PJ, Semin Nucl Med 1991; **21:** 82

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

tissue doses in the upper gastrointestinal fluoroscopy examination, Suleiman OH; Anderson J; Jones B; Rao GUV; Rosenstein M, Radiology 1991; **178:** 653

use of flexible protective gloves, Kelsey CA; Mettler FA Jr, Radiology 1990; **176:** 287

use of flexible protective gloves: another viewpoint, Dorne HL, Radiology 1990; **176:** 287

use of flexible protective gloves: another viewpoint: reply, Kelsey CA; Mettler FA Jr, Radiology 1990; **176:** 288

Radiations, injurious effects

AAPM tutorial: acceptable risk as a basis for regulation, Murphy PH, Radiographics 1991; **11:** 889

AAPM tutorial: development of radiation protection standards, Edwards M, Radiographics 1991; **11:** 699

AAPM tutorial: personal and public perceptions of radiation risks, Hendee WR, Radiographics 1991; **11:** 1109

absorbed dose in imaging: why measure it?, Wagner LK, Radiology 1991; **178:** 622

disposal of low-level radioactive waste, Brill DR, Invest Radiol 1991; **26:** 94

effects of inhibition of intercellular communication on repair of damage induced by ionizing radiation, Madhoo J; Blekkenhorst G, Br J Radiol 1989; **62:** 281

effects of single doses of X rays on the mechanical properties of pig skin *in vivo*, Baker MR; Bader D; Hopewell JW, Br J Radiol 1989; **62:** 830

historical development of radiation safety practices in radiology, Brodsky A; Kathren RL, Radiographics 1989; **9:** 1267

nephropathy in the mature pig after the irradiation of a single kidney: a comparison with the immature pig, Robbins MEC; Campling D; Rezvani M; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1519

possibility of retrospective dosimetry for persons accidentally exposed to ionizing radiation using electron spin resonance of sugar and mother-of-pearl, Nakajima T, Br J Radiol 1989; **62:** 148

radiation accidents and nuclear energy: medical consequences and therapy, (ab), Champlin RE; Kastenberg WE; Gale RP, Radiology 1989; **172:** 296

radiation hormesis, Macklis RM; Beresford B, J Nucl Med 1991; **32:** 350

radiation safety considerations for post-iodine-131 hyperthyroid therapy, Culver CM; Dworkin HJ, J Nucl Med 1991; **32:** 169

radiocesium levels in humans over a four-year period, Rabitsch H; Feenstra O; Kahr G, J Nucl Med 1991; **32:** 1491

radiologic history exhibit: wrong turns on radiology's road of progress, DiSantis DJ; DiSantis DM, Radiographics 1991; **11:** 1121

role of marrow grafts in irradiation accidents, Thomas ED, Int J Radiat Oncol Biol Phys 1990; **19:** 1289

use of hematopoietic growth factors in radiation accidents, Gale RP; Butturini A, Int J Radiat Oncol Biol Phys 1990; **19:** 1291

Radiations, injurious effects, as a result of nuclear bombing

AAPM tutorial: scientific view of low-level radiation risks, Hall EJ, Radiographics 1991; **11:** 509

organ doses received by atomic bomb survivors during radiological examinations at the Radiation Effects Research Foundation, Kato K; Antoku S; Sawada S; et al, Br J Radiol 1991; **64:** 720

organ doses to atomic bomb survivors during photofluorography, fluoroscopy and computed tomography, Kato K; Antoku S; Sawada S; et al, Br J Radiol 1991; **64:** 728

Radiations, injurious effects, complications of therapeutic radiology

1-year time course study of the relaxation times and histology for irradiated rat lungs, Shioya S; Haida M; Fukuzaki M; et al, Magn Res Med 1990; **14:** 358

AAPM tutorial: scientific view of low-level radiation risks, Hall EJ, Radiographics 1991; **11:** 509

absence of fatty replacement in radiation damaged liver: CT demonstration, Cutillo DP; Swayne LC; Fasciano MG; et al, JCAT 1989; **13:** 259

acute effects of radiation therapy on indium-111-labeled leukocyte uptake in bone marrow, Palestro CJ; Kim CK; Vega A; et al, J Nucl Med 1989; **30:** 1889

acute radiation-induced pulmonary injury: computed tomography evaluation, Ikezoe J; Morimoto S; Takashima S; et al, Semin US CT MR 1990; **11:** 409

adhesion formation in experimental chronic radiation enteropathy, McBride WH; Mason KA; Davis C; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 737

alopecia associated with unexpected leakage from electron cone, Wen B-C; Pennington EC; Hussey DH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1637

aneurysm, arachnoiditis and intrathecal Au (gold), Pence DM; Kim TH; Levitt SH, Int J Radiat Oncol Biol Phys 1990; **18:** 1001

arm edema after radiation therapy: host factors, Steinfeld AD, Radiology 1991; **180:** 18

arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J, Radiology 1991; **180:** 177

axillary fibrosis or recurrent tumour. an MRI study in breast cancer, Moore NR; Dixon AK; Wheeler TK; et al, Clin Radiol 1990; **42:** 42

biological effect of inhomogeneous dose distributions in fractionated radiotherapy, Yaes RJ, Int J Radiat Oncol Biol Phys 1990; **19:** 203

bone necrosis and tumor induction following experimental intraoperative irradiation, Powers BE; Gillette EL; McChesney SL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 559

bowel complications after radiotherapy for carcinoma of the prostate: the volume effect, Mameghan H; Fisher R; Mameghan J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 315

brain damage after treatment for acute lymphoblastic leukemia: a report on 34 patients with special regard to MRI findings, Biti GP; Magrini SM; Villari N; et al, Acta Oncol 1989; **28:** 253

breast hypoplasia following irradiation of the female breast in infancy and early childhood, Fürst CJ; Lundell M; Ahlbäck SO; et al, Acta Oncol 1989; **28:** 519

Brown-Sequard syndrome following chemotherapy and radiotherapy in breast carcinoma—a case report, Ahern V; Arthur G; Langlands AO; et al, Australas Radiol 1991; **35:** 181

cancer occurring after radiotherapy and chemotherapy, Holm L-E, Int J Radiat Oncol Biol Phys 1990; **19:** 1303

carcinogenic effects of scattered dose associated with radiation therapy, Cumberlin RL; Dritschilo A; Mossman KL, Int J Radiat Oncol Biol Phys 1989; **17:** 623

carcinoma of the cervix: analysis of bladder and rectal radiation dose and complications, Montana GS; Fowler WC, Int J Radiat Oncol Biol Phys 1989; **16:** 95

carotid thrombosis following neck irradiation, Call GK; Bray PF; Smoker WRK; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 635

case report 571, Katz LD; Lawson JP, Skeletal Radiol 1990; **19:** 50

case report 600, Nelson MC; Stull MA; Lack EE; et al, Skeletal Radiol 1990; **19:** 150

case report 691, Herman TE; McAlister WH; Rosenthal D; et al, Skeletal Radiol 1991; **20:** 472

causes of death after therapy for early stage Hodgkin's disease entered on EORTC protocols, Henry-Amar M; Hayat M; Meerwaldt JH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1155

cerebellar gliosarcoma: report of a probable radiation-induced neoplasm, Beute BJ; Fobben ES; Hubschmann O; et al, AJNR 1991; **12:** 554

chronic cervical radiation myelopathy diagnosed by MRI, de Toffol B; Cotty P; Calais G; et al, J Neuroradiol 1989; **16:** 251

clinical diagnosis of late temporal lobe necrosis following radiation therapy for nasopharyngeal carcinoma, (ab), Lee AWM; Ng SH; Ho JHC; et al, Radiology 1989; **170:** 589

clinical value of PET with ^{18}F-fluorodeoxyglucose and L-methyl-^{11}C-methionine for diagnosis of recurrent brain tumor and radiation injury, Ogawa T; Kanno I; Shishido F; et al, Acta Radiol 1991; **32:** 197

complications of radiation therapy: CT evaluation, Bluemke DA; Fishman EK; Kuhlman JE; Zinreich ES, Radiographics 1991; **11:** 581

computed tomography of the urinary bladder shortly after radiation therapy for rectal carcinoma, Sager EM; Fosså SD; Kaalhus O; et al, Acta Radiol 1990; **31:** 585

computerized tomography versus perfusion lung scanning in canine radiation lung injury, Ahmed IH; Logus JW; El-Khatib E; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 577

concomitant evaluation of efficiency, acute and delayed toxicities of combined treatment of radiation and CDDP on an *in vivo* model, Julia AM; Canal P; Berg D; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 347

consequences of breast irradiation in patients with pre-existing collagen vascular diseases, Fleck R; McNeese MD; Ellerbroek NA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 829

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

cytogenetic effects of radiotherapy: frequency and types of chromosome aberrations, Barrios L; Caballín MR; Miró R; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 371

delayed radiation encephalopathy after radiotherapy for nasopharyngeal cancer: a CT study of 45 cases, Hu J-q; Guan Y-h; Zhao L-z; et al, JCAT 1991; **15:** 181

deterioration in lung function following hemithorax irradiation for pleural mesothelioma, Maasilta P, Int J Radiat Oncol Biol Phys 1991; **20:** 433

determination of a suitable dosage of lysine–vasopressin and triglycyl–lysine–vasopressin, given in a gel-solution locally in the rectum of rats for possible radioprotective purposes, Bjelkengren G, Acta Oncol 1990; **29:** 1041

development of blood vessel-related radiation damage in the fimbria of the central nervous system, Reinhold HS; Calvo W; Hopewell JW; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 37

differentiation of radiation fibrosis from recurrent neoplasia: a role for ^{31}P MR spectroscopy?, Charles HC; Baker ME; Hathorn JW; et al, AJR 1990; **154:** 67

diffuse gallium-67 uptake in radiation pneumonitis, Kataoka M; Kawamura M; Ueda N; et al, Clin Nucl Med 1990; **15:** 707

dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx. part 2. normal tissue responses: acute and late effects, Maciejewski B; Withers HR; Taylor JMG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 101

dysphagia after fast neutron therapy to the head and neck, Alexander MSM; Edelman GM; Man K; et al, Br J Radiol 1989; **62:** 724

early and late effects of cisplatin and radiation at acute and low dose rates on the mouse skin and soft tissues of the leg, Fu KK; Lam KN, Int J Radiat Oncol Biol Phys 1991; **20:** 327

effect of Captopril on benign and malignant reactions in irradiated rat skin, Ward WF; Molteni A; Ts'ao C; et al, Br J Radiol 1990; **63:** 349

effect of chamomile cream and almond ointment on acute radiation skin reaction, Maiche AG; Gröhn P; Mäki-Hokkonen H, Acta Oncol 1991; **30:** 395

effect of Fluosol-DA 20% and oxygen on response of C57BL/6 mice to whole-body irradiation, Waldow SM; Lustig RA; Brass-Marlow EL; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 665

effect of hyperthermia on the early- and late-appearing mouse foot reactions and on radiation carcinogenesis: part II. effect on radiation carcinogenesis (thermal enhancement and oxygen enhancement), Urano M; Kenton LA; Kahn J, Int J Radiat Oncol Biol Phys 1989; **16:** 437

effect of pentoxifylline on early and late radiation injury following fractionated irradiation in C3H mice, Dion MW; Hussey DH; Osborne JW, Int J Radiat Oncol Biol Phys 1989; **17:** 101

effect of recombinant human granulocyte colony-stimulating factor on granulocytopenia in mice induced by irradiation, Fushiki M; Ono K; Sasai K; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 353

effect of X-irradiation on the stomach of the rat, Breiter N; Trott K-R; Sassy T, Int J Radiat Oncol Biol Phys 1989; **17:** 779

effect on pulmonary function of tangential field technique in radiotherapy for carcinoma of the breast, Lund MB; Myhre KI; Melsom H; et al, Br J Radiol 1991; **64:** 520

effects of ionizing radiation on the blood brain barrier permeability to pharmacologically active substances, Trnovec T; Kállay Z; Bezek S, Int J Radiat Oncol Biol Phys 1990; **19:** 1581

effects of steel and titanium mandibular reconstruction plates on photon and electron beams, Delacroix S; Rymel J; Smith PJ; et al, Br J Radiol 1990; **63:** 642

embolic stroke following carotid radiation angiopathy demonstrated with I-123 IMP brain SPECT, Hayashida K; Nishimura T; Imakita S; et al, Clin Nucl Med 1991; **16:** 580

erythema multiforme in a patient receiving radiation therapy—a case report, Svensson C, Acta Oncol 1991; **30:** 396

failure of development of the growing breast after radiation therapy, Rosenfield NS; Haller JO; Berdon WE, Pediatr Radiol 1989; **19:** 124

fatal outcome of pelvic radiotherapy for carcinoma of the cervix in a patient with systemic lupus erythematosis, Olivotto IA; Fairey RN; Gillies JH; et al, Clin Radiol 1989; **40:** 83

fatty replacement of spinal bone marrow due to radiation: demonstration by dual energy quantitative CT and MR imaging, Rosenthal DI; Hayes CW; Rosen B; et al, JCAT 1989; **13:** 463

fetal hypothalamic transplants into brain irradiated rats: graft morphometry and host behavioral responses, Pearlman SH; Rubin P; White HC; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 293

functional changes in the irradiated rat ureter: assessment by transit-time renography, Knowles JF; Nimmon CC, Br J Radiol 1989; **62:** 87

gastrointestinal histamine and histamine formation capacity after gastric irradiation in mice, Man WK; Li SK; Spencer J; et al, Br J Radiol 1990; **63:** 209

incidence of hypothyroidism after irradiation of the neck with special reference to lymphoma patients: a retrospective and prospective analysis, Feyerabend T; Kapp B; Richter E; et al, Acta Oncol 1990; **29:** 597

incidence of myelitis after irradiation of the cervical spinal cord, Marcus RB Jr; Million RR, Int J Radiat Oncol Biol Phys 1990; **19:** 3

individual variation and dose dependency in the progression rate of skin telangiectasia, Turesson I, Int J Radiat Oncol Biol Phys 1990; **19:** 1569

influence of bone marrow depletion on intestinal radiation damage, Terry NHA; Travis EL, Int J Radiat Oncol Biol Phys 1989; **17:** 569

influence of radiation on the blood-brain barrier and optimum time of chemotherapy, Qin D-X; Zheng R; Tang J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1507

insufficiency fractures of the sacrum after radiotherapy for gynaecological malignancy, Lundin B; Björkholm E; Lundell M; et al, Acta Oncol 1990; **29:** 211

integrated logistic formula for prediction of complications from radiosurgery, Flickinger JC, Int J Radiat Oncol Biol Phys 1989; **17:** 879

intestinal complications following accelerated fractionated X-irradiation: an experimental study in the rat, Hauer-Jensen M; Poulakos L; Osborne JW, Acta Oncol 1990; **29:** 229

irradiation of prosthetically augmented breasts: a retrospective study on toxicity and cosmetic results, Halpern J; McNeese MD; Kroll SS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 189

lack of late skin necrosis in man after high-dose irradiation using small field sizes: experiences of grid therapy, Shirato H; Gupta NK; Jordan TJ; et al, Br J Radiol 1990; **63:** 871

late effects of treatment for Wilms' tumor: a report from the National Wilms' Tumor Study Group, (ab), Evans AE; Norkool P; Evans I; et al, Radiology 1991; **180:** 883

late radiation injury of the rectum and sigmoid colon: barium enema findings in 92 patients, den Hartog Jager FCA; Cohen P; van Haastert M, Br J Radiol 1989; **62:** 807

late radiation injury of the small intestine: clinical, pathophysiologic and radiobiologic aspects: a review, Hauer-Jensen M, Acta Oncol 1990; **29:** 401

local control and complications after radiation therapy for primary orbital lymphoma: a case for low-dose treatment, Minehan KJ; Martenson JA Jr; Garrity JA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 791

long-term follow-up of sickness periods in breast cancer patients primarily treated with surgery and radiotherapy or surgery only, Rotstein S; Nilsson B; Gustavson-Kadaka E; et al, Acta Oncol 1989; **28:** 817

long-term risk of sarcoma following radiation treatment for breast cancer, Taghian A; de Vathaire F; Terrier P; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 361

lung density changes observed *in vivo* in rat lungs after irradiation: variations among and within individual lungs, El-Khatib E; Lehnert S, Int J Radiat Oncol Biol Phys 1989; **16:** 745

magnetic resonance imaging in the clinical diagnosis of late temporal lobe necrosis following radiotherapy for nasopharyngeal carcinoma, Lee AWM; Cheng LOC; Ng SH; et al, Clin Radiol 1990; **42:** 24

malignant disease after radiation treatment of benign gynaecological disorders: a study of a cohort of metropathia patients, Ryberg M; Lundell M; Nilsson B; et al, Acta Oncol 1990; **29:** 563

malignant peritoneal mesothelioma after remote abdominal radiation, (ab), Gilks B; Hegedus C; Freeman H; et al, Radiology 1989; **170:** 581

medulloblastoma: long-term follow-up of patients treated with electron irradiation of the spinal field, Gaspar LE; Dawson DJ; Tilley-Gulliford SA; Banerjee P, Radiology 1991; **180:** 867

megavoltage external beam irradiation of craniopharyngiomas: analysis of tumor control and morbidity, Flickinger JC; Lunsford LD; Singer J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 117

mortality in a cohort of radiation treated childhood skin hemangiomas, Fürst CJ; Silfverswärd C; Holm L-E, Acta Oncol 1989; **28:** 789

MRI and PET of delayed heavy-ion radiation injury in the rabbit brain, Lo EH; DeLaPaz RL; Frankel KA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 689

MRI of radiation induced spinal cord glioma, Bazan C III; New PZ; Kagan-Hallet KS, Neuroradiol 1990; **32:** 331

muscle injury following experimental intraoperative irradiation, Powers BE; Gillette EL; Gillette SLM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 463

nasopharyngeal carcinoma with dermatomyositis, Teo P; Tai TH; Choy D, Int J Radiat Oncol Biol Phys 1989; **16:** 471

normal tissue reactions and complications following high-energy neutron beam therapy: I. crude response rates, Cohen L; Schultheiss TE; Hendrickson FR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 73

normal tissue reactions and complications following high-energy neutron beam therapy II: complication rates adjusted for censoring, Schultheiss TE; Cohen L; Mansell J, Int J Radiat Oncol Biol Phys 1990; **18:** 165

oesophageal carcinoma following internal mammary chain irradiation for carcinoma of the breast—a report of six cases, Davidson NGP; Roy UK; Khanna S, Acta Oncol 1990; **29:** 1059

olfactory sensations produced by high-energy photon irradiation of the olfactory receptor mucosa in humans, Sagar SM; Thomas RJ; Loverock LT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 771

on radiation damage to normal tissues and its treatment: I. growth factors, Michalowski A, Acta Oncol 1990; **29:** 1017

osteoradionecrosis of the temporal bone: a surgical technique of treatment, (ab), Ma KH; Fagan PA, Radiology 1989; **170:** 589

past and revised risk estimates for cancer induced by irradiation and their influence on dose limits, Richardson RB, Br J Radiol 1990; **63:** 235

pericarditis and myocardial infarctions after Hodgkin's disease therapy, Cosset JM; Henry-Amar M; Pellae-Cosset B; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 447

peripheral neuropathies following experimental intraoperative radiation therapy (IORT), LeCouteur RA; Gillette EL; Powers BE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 583

persisting cyclicial uterine bleeding in patients treated with radical radiation therapy and hormonal replacement for carcinoma of the cervix, McKay MJ; Bull CA; Houghton CR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 921

pharmacological alteration of the lung vascular response to radiation, Graham MM; Evans ML; Dahlen DD; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 329

physiologic consequences of local heart irradiation in rats, Geist BJ; Lauk S; Bornhausen M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1107

pityriasis versicolor confined to the radiation therapy field, Conill C; Azón-Masoliver A; Verger E; et al, Acta Oncol 1990; **29:** 949

possible alteration of the blood-brain barrier by boron-neutron capture therapy, Hatanaka H; Moritani M; Camillo M, Acta Oncol 1991; **30:** 375

postradiation astrocytoma: report of two cases, (ab), Kitanaka C; Shitara N; Nakagomi T; et al, Radiology 1989; **173:** 590

post-radiation cranial malignant fibrous histiocytoma studied by CT, Romero FJ; Ortega A; Ibarra B; et al, Comput Med Imag Graph 1989; **13:** 191

pre and posttreatment evaluation of sexual function in patients with adenocarcinoma of the prostate, Zinreich ES; Derogatis LR; Herpst J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 729

prediction of severe late complications in fractionated, high dose-rate brachytherapy in gynecological applications, Van Lancker M; Storme G, Int J Radiat Oncol Biol Phys 1991; **20:** 1125

preliminary results of a pilot study of pentoxifylline in the treatment of late radiation soft tissue necrosis, Dion MW; Hussey DH; Doornbos JF; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 401

prevalence and severity of late effects in normal rat duodenum following intraoperative irradiation, Poulakos L; Elwell JH; Osborne JW; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 841

prevention of oral mucositis in radiation therapy: a controlled study with benzydamine hydrochloride rinse, Epstein JB; Stevenson-Moore P; Jackson S; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1571

procollagen-III in serum, plasminogen activation and fibronectin in bronchoalveolar lavage fluid during and following irradiation of human lung, Maasilta P; Salonen E-M; Vaheri A; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 973

prognostic value of hemoglobin concentrations and blood transfusions in advanced carcinoma of the cervix treated by radiation therapy: results of a retrospective study of 386 patients, Girinski T; Pejovic-Lenfant MH; Bourhis J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 37

progressive systemic sclerosis (diffuse scleroderma) and radiotherapy, Cooper SG; Denham JW, Br J Radiol 1990; **63:** 804

prospective evaluation of pulmonary function in cancer patients treated with total body irradiation, high-dose melphalan, and autologous hematopoietic stem cell transplantation, Gandola L; Siena S; Bregni M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 743

prospective pilot study on the effect of sucralfate mouth-swishing in reducing stomatitis during radiotherapy of the oral cavity, Pfeiffer P; Hansen O; Madsen EL; et al, Acta Oncol 1990; **29:** 471

prospective study of long-term pulmonary manifestations of mantle irradiation, Shapiro SJ; Shapiro SD; Mill WB; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 707

quantitative morphology of late renal radiation injury, Jordan SW; Brayer JM; Bartels PH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 101

radiation effects on left ventricular function and myocardial perfusion in long term survivors of Hodgkin's disease, Savage DE; Constine LS; Schwartz RG; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 721

radiation-induced brachial plexus neuropathy in breast cancer patients, Olsen NK; Pfeiffer P; Mondrup K; et al, Acta Oncol 1990; **29:** 885

radiation-induced cancer as a factor in clinical decision making (the 1989 Astro Gold Medal address), Parker RG, Int J Radiat Oncol Biol Phys 1990; **18:** 993

radiation induced extraskeletal osteosarcoma, Logue JP; Cairnduff F, Br J Radiol 1991; **64:** 171

radiation-induced intracranial malignant gliomas, (ab), Shapiro S; Mealey J Jr; Sartorius C, Radiology 1990; **174:** 902

radiation-induced lung injury: a hypersensitivity pneumonitis?, (ab), Gibson PG; Bryant DH; Morgan GW; et al, Radiology 1989; **170:** 901

radiation-induced malignant pleural mesothelioma, Kawashima A; Libshitz HI; Lukeman JM, J Canad Assoc Radiol 1990; **41:** 384

radiation-induced ocular injury in the dog: a histological study, Ching SV; Gillette SM; Powers BE; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 321

radiation-induced sarcoma of bone: CT findings in 19 cases, Lorigan JG; Libshitz HI; Peuchot M, AJR 1989; **153:** 791

radiation induced thyroid neoplasms 1920 to 1987: a vanishing problem?, Mehta MP; Goetowski PG; Kinsella TJ, Int J Radiat Oncol Biol Phys 1989; **16:** 1471

radiation-induced uterine changes: MR imaging, Arrivé L; Chang YCF; Hricak H; Brescia RJ; Auffermann W; Quivey JM, Radiology 1989; **170:** 55

radiation injury in the human kidney: a prospective analysis using specific scintigraphic and biochemical endpoints, Dewit L; Anninga JK; Hoefnagel CA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 977

radiation injury of the brain, Valk PE; Dillon WP, AJNR 1991; **12:** 45

radiation injury of the brain, Valk PE; Dillon WP, AJR 1991; **156:** 689

radiation myelopathy: significance of gadolinium-DTPA enhancement in the diagnosis, Michikawa M; Wada Y; Sano M; et al, Neuroradiol 1991; **33:** 286

radiation pneumonitis in breast cancer patients treated with conservative surgery and radiation therapy, Lingos TI; Recht A; Vicini F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 355

radiation tolerance of the cervical spinal cord, McCunniff AJ; Liang MJ, Int J Radiat Oncol Biol Phys 1989; **16:** 675

radiaton myelopathy of the cervical spinal cord: MR findings, Zweig G; Russell EJ, AJNR 1990; **11:** 1188

radiological changes in the gastrointestinal and genitourinary tract following radiotherapy for carcinoma of the cervix, Taylor PM; Johnson RJ; Eddleston B; et al, Clin Radiol 1990; **41:** 165

radiosensitivity of jejunal mucosa after whole abdomen irradiation and CDDP pretreatment, Julia AM; Bachaud J-M; Canal P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 343

randomized trial comparing single dose versus fractionated irradiation for prevention of heterotopic bone: a preliminary report, Konski A; Pellegrini V; Poulter C; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1139

alopecia associated with unexpected leakage from electron cone, Wen B-C; Pennington EC; Hussey DH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1637

aneurysm, arachnoiditis and intrathecal Au (gold), Pence DM; Kim TH; Levitt SH, Int J Radiat Oncol Biol Phys 1990; **18:** 1001

arm edema after radiation therapy: host factors, Steinfeld AD, Radiology 1991; **180:** 18

arm edema in conservatively managed breast cancer: obesity is a major predictive factor, Werner RS; McCormick B; Petrek J; Cox L; Cirrincione C; Gray JR; Yahalom J, Radiology 1991; **180:** 177

axillary fibrosis or recurrent tumour. an MRI study in breast cancer, Moore NR; Dixon AK; Wheeler TK; et al, Clin Radiol 1990; **42:** 42

biological effect of inhomogeneous dose distributions in fractionated radiotherapy, Yaes RJ, Int J Radiat Oncol Biol Phys 1990; **19:** 203

bone necrosis and tumor induction following experimental intraoperative irradiation, Powers BE; Gillette EL; McChesney SL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 559

bowel complications after radiotherapy for carcinoma of the prostate: the volume effect, Mameghan H; Fisher R; Mameghan J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 315

brain damage after treatment for acute lymphoblastic leukemia: a report on 34 patients with special regard to MRI findings, Biti GP; Magrini SM; Villari N; et al, Acta Oncol 1989; **28:** 253

breast hypoplasia following irradiation of the female breast in infancy and early childhood, Fürst CJ; Lundell M; Ahlbäck SO; et al, Acta Oncol 1989; **28:** 519

Brown-Sequard syndrome following chemotherapy and radiotherapy in breast carcinoma—a case report, Ahern V; Arthur G; Langlands AO; et al, Australas Radiol 1991; **35:** 181

cancer occurring after radiotherapy and chemotherapy, Holm L-E, Int J Radiat Oncol Biol Phys 1990; **19:** 1303

carcinogenic effects of scattered dose associated with radiation therapy, Cumberlin RL; Dritschilo A; Mossman KL, Int J Radiat Oncol Biol Phys 1989; **17:** 623

carcinoma of the cervix: analysis of bladder and rectal radiation dose and complications, Montana GS; Fowler WC, Int J Radiat Oncol Biol Phys 1989; **16:** 95

carotid thrombosis following neck irradiation, Call GK; Bray PF; Smoker WRK; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 635

case report 571, Katz LD; Lawson JP, Skeletal Radiol 1990; **19:** 50

case report 600, Nelson MC; Stull MA; Lack EE; et al, Skeletal Radiol 1990; **19:** 150

case report 691, Herman TE; McAlister WH; Rosenthal D; et al, Skeletal Radiol 1991; **20:** 472

causes of death after therapy for early stage Hodgkin's disease entered on EORTC protocols, Henry-Amar M; Hayat M; Meerwaldt JH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1155

cerebellar gliosarcoma: report of a probable radiation-induced neoplasm, Beute BJ; Fobben ES; Hubschmann O; et al, AJNR 1991; **12:** 554

chronic cervical radiation myelopathy diagnosed by MRI, de Toffol B; Cotty P; Calais G; et al, J Neuroradiol 1989; **16:** 251

clinical diagnosis of late temporal lobe necrosis following radiation therapy for nasopharyngeal carcinoma, (ab), Lee AWM; Ng SH; Ho JHC; et al, Radiology 1989; **170:** 589

clinical value of PET with ^{18}F-fluorodeoxyglucose and L-methyl-^{11}C-methionine for diagnosis of recurrent brain tumor and radiation injury, Ogawa T; Kanno I; Shishido F; et al, Acta Radiol 1991; **32:** 197

complications of radiation therapy: CT evaluation, Bluemke DA; Fishman EK; Kuhlman JE; Zinreich ES, Radiographics 1991; **11:** 581

computed tomography of the urinary bladder shortly after radiation therapy for rectal carcinoma, Sager EM; Fossa SD; Kaalhus O; et al, Acta Radiol 1990; **31:** 585

computerized tomography versus perfusion lung scanning in canine radiation lung injury, Ahmed IH; Logus JW; El-Khatib E; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 577

concomitant evaluation of efficiency, acute and delayed toxicities of combined treatment of radiation and CDDP on an *in vivo* model, Julia AM; Canal P; Berg D; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 347

consequences of breast irradiation in patients with pre-existing collagen vascular diseases, Fleck R; McNeese MD; Ellerbroek NA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 829

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

cytogenetic effects of radiotherapy: frequency and types of chromosome aberrations, Barrios L; Caballin MR; Miró R; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 371

delayed radiation encephalopathy after radiotherapy for nasopharyngeal cancer: a CT study of 45 cases, Hu J-q; Guan Y-h; Zhao L-z; et al, JCAT 1991; **15:** 181

deterioration in lung function following hemithorax irradiation for pleural mesothelioma, Maasilta P, Int J Radiat Oncol Biol Phys 1991; **20:** 433

determination of a suitable dosage of lysine–vasopressin and triglycyl–lysine–vasopressin, given in a gel-solution locally in the rectum of rats for possible radioprotective purposes, Bjelkengren G, Acta Oncol 1990; **29:** 1041

development of blood vessel-related radiation damage in the fimbria of the central nervous system, Reinhold HS; Calvo W; Hopewell JW; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 37

differentiation of radiation fibrosis from recurrent neoplasia: a role for ^{31}P MR spectroscopy?, Charles HC; Baker ME; Hathorn JW; et al, AJR 1990; **154:** 67

diffuse gallium-67 uptake in radiation pneumonitis, Kataoka M; Kawamura M; Ueda N; et al, Clin Nucl Med 1990; **15:** 707

dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx. part 2. normal tissue responses: acute and late effects, Maciejewski B; Withers HR; Taylor JMG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 101

dysphagia after fast neutron therapy to the head and neck, Alexander MSM; Edelman GM; Man K; et al, Br J Radiol 1989; **62:** 724

early and late effects of cisplatin and radiation at acute and low dose rates on the mouse skin and soft tissues of the leg, Fu KK; Lam KN, Int J Radiat Oncol Biol Phys 1991; **20:** 327

effect of Captopril on benign and malignant reactions in irradiated rat skin, Ward WF; Molteni A; Ts'ao C; et al, Br J Radiol 1990; **63:** 349

effect of chamomile cream and almond ointment on acute radiation skin reaction, Maiche AG; Gröhn P; Mäki-Hokkonen H, Acta Oncol 1991; **30:** 395

effect of Fluosol-DA 20% and oxygen on response of C57BL/6 mice to whole-body irradiation, Waldow SM; Lustig RA; Brass-Marlow EL; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 665

effect of hyperthermia on the early- and late-appearing mouse foot reactions and on radiation carcinogenesis: part II. effect on radiation carcinogenesis (thermal enhancement and oxygen enhancement), Urano M; Kenton LA; Kahn J, Int J Radiat Oncol Biol Phys 1989; **16:** 437

effect of pentoxifylline on early and late radiation injury following fractionated irradiation in C3H mice, Dion MW; Hussey DH; Osborne JW, Int J Radiat Oncol Biol Phys 1989; **17:** 101

effect of recombinant human granulocyte colony-stimulating factor on granulocytopenia in mice induced by irradiation, Fushiki M; Ono K; Sasai K; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 353

effect of X-irradiation on the stomach of the rat, Breiter N; Trott K-R; Sassy T, Int J Radiat Oncol Biol Phys 1989; **17:** 779

effect on pulmonary function of tangential field technique in radiotherapy for carcinoma of the breast, Lund MB; Myhre KI; Melsom H; et al, Br J Radiol 1991; **64:** 520

effects of ionizing radiation on the blood brain barrier permeability to pharmacologically active substances, Trnovec T; Kállay Z; Bezek S, Int J Radiat Oncol Biol Phys 1990; **19:** 1581

effects of steel and titanium mandibular reconstruction plates on photon and electron beams, Delacroix S; Rymel J; Smith PJ; et al, Br J Radiol 1990; **63:** 642

embolic stroke following carotid radiation angiopathy demonstrated with I-123 IMP brain SPECT, Hayashida K; Nishimura T; Imakita S; et al, Clin Nucl Med 1991; **16:** 580

erythema multiforme in a patient receiving radiation therapy—a case report, Svensson C, Acta Oncol 1991; **30:** 396

failure of development of the growing breast after radiation therapy, Rosenfield NS; Haller JO; Berdon WE, Pediatr Radiol 1989; **19:** 124

fatal outcome of pelvic radiotherapy for carcinoma of the cervix in a patient with systemic lupus erythematosis, Olivotto IA; Fairey RN; Gillies JH; et al, Clin Radiol 1989; **40:** 83

fatty replacement of spinal bone marrow due to radiation: demonstration by dual energy quantitative CT and MR imaging, Rosenthal DI; Hayes CW; Rosen B; et al, JCAT 1989; **13:** 463

fetal hypothalamic transplants into brain irradiated rats: graft morphometry and host behavioral responses, Pearlman SH; Rubin P; White HC; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 293

functional changes in the irradiated rat ureter: assessment by transit-time renography, Knowles JF; Nimmon CC, Br J Radiol 1989; **62:** 87

gastrointestinal histamine and histamine formation capacity after gastric irradiation in mice, Man WK; Li SK; Spencer J; et al, Br J Radiol 1990; **63:** 209

incidence of hypothyroidism after irradiation of the neck with special reference to lymphoma patients: a retrospective and prospective analysis, Feyerabend T; Kapp B; Richter E; et al, Acta Oncol 1990; **29:** 597

incidence of myelitis after irradiation of the cervical spinal cord, Marcus RB Jr; Million RR, Int J Radiat Oncol Biol Phys 1990; **19:** 3

individual variation and dose dependency in the progression rate of skin telangiectasia, Turesson I, Int J Radiat Oncol Biol Phys 1990; **19:** 1569

influence of bone marrow depletion on intestinal radiation damage, Terry NHA; Travis EL, Int J Radiat Oncol Biol Phys 1989; **17:** 569

influence of radiation on the blood-brain barrier and optimum time of chemotherapy, Qin D-X; Zheng R; Tang J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1507

insufficiency fractures of the sacrum after radiotherapy for gynaecological malignancy, Lundin B; Björkholm E; Lundell M; et al, Acta Oncol 1990; **29:** 211

integrated logistic formula for prediction of complications from radiosurgery, Flickinger JC, Int J Radiat Oncol Biol Phys 1989; **17:** 879

intestinal complications following accelerated fractionated X-irradiation: an experimental study in the rat, Hauer-Jensen M; Poulakos L; Osborne JW, Acta Oncol 1990; **29:** 229

irradiation of prosthetically augmented breasts: a retrospective study on toxicity and cosmetic results, Halpern J; McNeese MD; Kroll SS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 189

lack of late skin necrosis in man after high-dose irradiation using small field sizes: experiences of grid therapy, Shirato H; Gupta NK; Jordan TJ; et al, Br J Radiol 1990; **63:** 871

late effects of treatment for Wilms' tumor: a report from the National Wilms' Tumor Study Group, (ab), Evans AE; Norkool P; Evans I; et al, Radiology 1991; **180:** 883

late radiation injury of the rectum and sigmoid colon: barium enema findings in 92 patients, den Hartog Jager FCA; Cohen P; van Haastert M, Br J Radiol 1989; **62:** 807

late radiation injury of the small intestine: clinical, pathophysiologic and radiobiologic aspects: a review, Hauer-Jensen M, Acta Oncol 1990; **29:** 401

local control and complications after radiation therapy for primary orbital lymphoma: a case for low-dose treatment, Minehan KJ; Martenson JA Jr; Garrity JA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 791

long-term follow-up of sickness periods in breast cancer patients primarily treated with surgery and radiotherapy or surgery only, Rotstein S; Nilsson B; Gustavson-Kadaka E; et al, Acta Oncol 1989; **28:** 817

long-term risk of sarcoma following radiation treatment for breast cancer, Taghian A; de Vathaire F; Terrier P; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 361

lung density changes observed *in vivo* in rat lungs after irradiation: variations among and within individual lungs, El-Khatib E; Lehnert S, Int J Radiat Oncol Biol Phys 1989; **16:** 745

magnetic resonance imaging in the clinical diagnosis of late temporal lobe necrosis following radiotherapy for nasopharyngeal carcinoma, Lee AWM; Cheng LOC; Ng SH; et al, Clin Radiol 1990; **42:** 24

malignant disease after radiation treatment of benign gynaecological disorders: a study of a cohort of metropathia patients, Ryberg M; Lundell M; Nilsson B; et al, Acta Oncol 1990; **29:** 563

malignant peritoneal mesothelioma after remote abdominal radiation, (ab), Gilks B; Hegedus C; Freeman H; et al, Radiology 1989; **170:** 581

medulloblastoma: long-term follow-up of patients treated with electron irradiation of the spinal field, Gaspar LE; Dawson DJ; Tilley-Gulliford SA; Banerjee P, Radiology 1991; **180:** 867

megavoltage external beam irradiation of craniopharyngiomas: analysis of tumor control and morbidity, Flickinger JC; Lunsford LD; Singer J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 117

mortality in a cohort of radiation treated childhood skin hemangiomas, Fürst CJ; Silfverswärd C; Holm L-E, Acta Oncol 1989; **28:** 789

MRI and PET of delayed heavy-ion radiation injury in the rabbit brain, Lo EH; DeLaPaz RL; Frankel KA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 689

MRI of radiation induced spinal cord glioma, Bazan C III; New PZ; Kagan-Hallet KS, Neuroradiol 1990; **32:** 331

muscle injury following experimental intraoperative irradiation, Powers BE; Gillette EL; Gillette SLM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 463

nasopharyngeal carcinoma with dermatomyositis, Teo P; Tai TH; Choy D, Int J Radiat Oncol Biol Phys 1989; **16:** 471

normal tissue reactions and complications following high-energy neutron beam therapy: I. crude response rates, Cohen L; Schultheiss TE; Hendrickson FR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 73

normal tissue reactions and complications following high-energy neutron beam therapy II: complication rates adjusted for censoring, Schultheiss TE; Cohen L; Mansell J, Int J Radiat Oncol Biol Phys 1990; **18:** 165

oesophageal carcinoma following internal mammary chain irradiation for carcinoma of the breast—a report of six cases, Davidson NGP; Roy UK; Khanna S, Acta Oncol 1990; **29:** 1059

olfactory sensations produced by high-energy photon irradiation of the olfactory receptor mucosa in humans, Sagar SM; Thomas RJ; Loverock LT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 771

on radiation damage to normal tissues and its treatment: I. growth factors, Michalowski A, Acta Oncol 1990; **29:** 1017

osteoradionecrosis of the temporal bone: a surgical technique of treatment, (ab), Ma KH; Fagan PA, Radiology 1989; **170:** 589

past and revised risk estimates for cancer induced by irradiation and their influence on dose limits, Richardson RB, Br J Radiol 1990; **63:** 235

pericarditis and myocardial infarctions after Hodgkin's disease therapy, Cosset JM; Henry-Amar M; Pellae-Cosset B; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 447

peripheral neuropathies following experimental intraoperative radiation therapy (IORT), LeCouteur RA; Gillette EL; Powers BE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 583

persisting cyclicial uterine bleeding in patients treated with radical radiation therapy and hormonal replacement for carcinoma of the cervix, McKay MJ; Bull CA; Houghton CR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 921

pharmacological alteration of the lung vascular response to radiation, Graham MM; Evans ML; Dahlen DD; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 329

physiologic consequences of local heart irradiation in rats, Geist BJ; Lauk S; Bornhausen M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1107

pityriasis versicolor confined to the radiation therapy field, Conill C; Azón-Masoliver A; Verger E; et al, Acta Oncol 1990; **29:** 949

possible alteration of the blood-brain barrier by boron-neutron capture therapy, Hatanaka H; Moritani M; Camillo M, Acta Oncol 1991; **30:** 375

postradiation astrocytoma: report of two cases, (ab), Kitanaka C; Shitara N; Nakagomi T; et al, Radiology 1989; **173:** 590

post-radiation cranial malignant fibrous histiocytoma studied by CT, Romero FJ; Ortega A; Ibarra B; et al, Comput Med Imag Graph 1989; **13:** 191

pre and posttreatment evaluation of sexual function in patients with adenocarcinoma of the prostate, Zinreich ES; Derogatis LR; Herpst J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 729

prediction of severe late complications in fractionated, high dose-rate brachytherapy in gynecological applications, Van Lancker M; Storme G, Int J Radiat Oncol Biol Phys 1991; **20:** 1125

preliminary results of a pilot study of pentoxifylline in the treatment of late radiation soft tissue necrosis, Dion MW; Hussey DH; Doornbos JF; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 401

prevalence and severity of late effects in normal rat duodenum following intraoperative irradiation, Poulakos L; Elwell JH; Osborne JW; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 841

prevention of oral mucositis in radiation therapy: a controlled study with benzydamine hydrochloride rinse, Epstein JB; Stevenson-Moore P; Jackson S; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1571

procollagen-III in serum, plasminogen activation and fibronectin in bronchoalveolar lavage fluid during and following irradiation of human lung, Maasilta P; Salonen E-M; Vaheri A; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 973

prognostic value of hemoglobin concentrations and blood transfusions in advanced carcinoma of the cervix treated by radiation therapy: results of a retrospective study of 386 patients, Girinski T; Pejovic-Lenfant MH; Bourhis J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 37

progressive systemic sclerosis (diffuse scleroderma) and radiotherapy, Cooper SG; Denham JW, Br J Radiol 1990; **63:** 804

prospective evaluation of pulmonary function in cancer patients treated with total body irradiation, high-dose melphalan, and autologous hematopoietic stem cell transplantation, Gandola L; Siena S; Bregni M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 743

prospective pilot study on the effect of sucralfate mouth-swishing in reducing stomatitis during radiotherapy of the oral cavity, Pfeiffer P; Hansen O; Madsen EL; et al, Acta Oncol 1990; **29:** 471

prospective study of long-term pulmonary manifestations of mantle irradiation, Shapiro SJ; Shapiro SD; Mill WB; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 707

quantitative morphology of late renal radiation injury, Jordan SW; Brayer JM; Bartels PH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 101

radiation effects on left ventricular function and myocardial perfusion in long term survivors of Hodgkin's disease, Savage DE; Constine LS; Schwartz RG; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 721

radiation-induced brachial plexus neuropathy in breast cancer patients, Olsen NK; Pfeiffer P; Mondrup K; et al, Acta Oncol 1990; **29:** 885

radiation-induced cancer as a factor in clinical decision making (the 1989 Astro Gold Medal address), Parker RG, Int J Radiat Oncol Biol Phys 1990; **18:** 993

radiation induced extraskeletal osteosarcoma, Logue JP; Cairnduff F, Br J Radiol 1991; **64:** 171

radiation-induced intracranial malignant gliomas, (ab), Shapiro S; Mealey J Jr; Sartorius C, Radiology 1990; **174:** 902

radiation-induced lung injury: a hypersensitivity pneumonitis?, (ab), Gibson PG; Bryant DH; Morgan GW; et al, Radiology 1989; **170:** 901

radiation-induced malignant pleural mesothelioma, Kawashima A; Libshitz HI; Lukeman JM, J Canad Assoc Radiol 1990; **41:** 384

radiation-induced ocular injury in the dog: a histological study, Ching SV; Giliette SM; Powers BE; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 321

radiation-induced sarcoma of bone: CT findings in 19 cases, Lorigan JG; Libshitz HI; Peuchot M, AJR 1989; **153:** 791

radiation induced thyroid neoplasms 1920 to 1987: a vanishing problem?, Mehta MP; Goetowski PG; Kinsella TJ, Int J Radiat Oncol Biol Phys 1989; **16:** 1471

radiation-induced uterine changes: MR imaging, Arrivé L; Chang YCF; Hricak H; Brescia RJ; Auffermann W; Quivey JM, Radiology 1989; **170:** 55

radiation injury in the human kidney: a prospective analysis using specific scintigraphic and biochemical endpoints, Dewit L; Anninga JK; Hoefnagel CA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 977

radiation injury of the brain, Valk PE; Dillon WP, AJNR 1991; **12:** 45

radiation injury of the brain, Valk PE; Dillon WP, AJR 1991; **156:** 689

radiation myelopathy: significance of gadolinium-DTPA enhancement in the diagnosis, Michikawa M; Wada Y; Sano M; et al, Neuroradiol 1991; **33:** 286

radiation pneumonitis in breast cancer patients treated with conservative surgery and radiation therapy, Lingos TI; Recht A; Vicini F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 355

radiation tolerance of the cervical spinal cord, McCunniff AJ; Liang MJ, Int J Radiat Oncol Biol Phys 1989; **16:** 675

radiaton myelopathy of the cervical spinal cord: MR findings, Zweig G; Russell EJ, AJNR 1990; **11:** 1188

radiological changes in the gastrointestinal and genitourinary tract following radiotherapy for carcinoma of the cervix, Taylor PM; Johnson RJ; Eddleston B; et al, Clin Radiol 1990; **41:** 165

radiosensitivity of jejunal mucosa after whole abdomen irradiation and CDDP pretreatment, Julia AM; Bachaud J-M; Canal P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 343

randomized trial comparing single dose versus fractionated irradiation for prevention of heterotopic bone: a preliminary report, Konski A; Pellegrini V; Poulter C; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1139

reduced hypothalamic blood flow after radiation treatment of nasopharyngeal cancer: SPECT studies of 34 patients, Chieng P-U; Huang T-S; Chang C-C; et al, AJNR 1991; **12:** 661

reduction of radiation damage to the spinal cord by post-irradiation administration of vasoactive drugs, Hornsey S; Myers R; Jenkinson T, Int J Radiat Oncol Biol Phys 1990; **18:** 1437

relative biological effectiveness of fractionated doses of fast neutrons (42 $MeV_{d\rightarrow Be}$) for normal tissues in the pig. II. late effects on cutaneous and subcutaneous tissues, Hopewell JW; Barnes DWH; Robbins MEC; et al, Br J Radiol 1990; **63:** 760

residual radiation-induced injury in dermal tissue: implications for retreatment, Simmonds RH; Hopewell JW; Robbins MEC, Br J Radiol 1989; **62:** 915

results of a prospective study evaluating the effects of mantle irradiation on pulmonary function, Smith LM; Mendenhall NP; Cicale MJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 79

reversible oedema and necrosis after irradiation of the brain: diagnostic procedures and clinical manifestations, Watne K; Hager B; Heier M; et al, Acta Oncol 1990; **29:** 891

scatter dose from tangential breast irradiation to the uninvolved breast, Muller-Runkel R; Kalokhe UP, Radiology 1990; **175:** 873

scatter dose from tangential breast irradiation to the uninvolved breast, Chilcote WS, Radiology 1991; **179:** 584

second primary tumors following radiotherapy for childhood cancer, Hawkins MM, Int J Radiat Oncol Biol Phys 1990; **19:** 1297

sensori-neural hearing loss in patients treated with irradiation for nasopharyngeal carcinoma, Grau C; Møller K; Overgaard M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 723

septic osteoradionecrosis of the mandible associated with pathological fracture: report of two cases, Millett DT; Chapple ILC; Hirschmann PN; et al, Clin Radiol 1990; **41:** 408

serum markers for prediction of pulmonary radiation syndromes. part I: surfactant apoprotein, Rubin P; McDonald S; Maasilta P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 553

severe small bowel radiation enteritis, Jaén J; Santos JA; Carrión JR; et al, Acta Oncol 1989; **28:** 717

small, superficial esophageal carcinoma treated with high-dose-rate intracavitary irradiation only, Hishikawa Y; Kurisu K; Taniguchi M; Kamikonya N; Miura T, Radiology 1989; **172:** 267

soft-tissue changes after head and neck radiation: CT findings, Bronstein AD; Nyberg DA; Schwartz AN; et al, AJNR 1989; **10:** 171

source-skin distance measuring bridge: a method to avoid radiation teleangiectasia in the skin after interstitial therapy for breast cancer, Van Limbergen E; Briot E; Drijkoningen M, Int J Radiat Oncol Biol Phys 1990; **18:** 1239

splenic calcification following treatment of Hodgkin's disease, Moody AR; King DM, Br J Radiol 1991; **64:** 55

subclavian artery occlusion after radiotherapy for carcinoma of the breast, (ab), Hashmonai M; Elami A; Kuten A; et al, Radiology 1989; **170:** 587

T1-T2 carcinoma of the glottis: relative hypofractionation, Randall ME; Springer DJ; Raben M, Radiology 1991; **179:** 569

tetrachlorodecaoxygen anion complex treatment after localized X irradiation of the rat colon, Breiter N; Sassy T; Trott K-R, Br J Radiol 1989; **62:** 381

thermal enhancement of radiation-induced leg contracture, Stone HB, Int J Radiat Oncol Biol Phys 1990; **18:** 595

thoracic irradiation in Hodgkin's disease: disease control and long-term complications, Tarbell NJ; Thompson L; Mauch P, Int J Radiat Oncol Biol Phys 1990; **18:** 275

thyroid gland: US in patients with Hodgkin disease treated with radiation therapy in childhood, Stewart RR; David CL; Eftekhari F; Ried HL; Fuller LM; Fornage BD, Radiology 1989; **172:** 159

transforming growth factor beta: a promotor of late connective tissue injury following radiotherapy?, Canney PA; Dean S, Br J Radiol 1990; **63:** 620

treated invasive cervical carcinoma: utility of computed tomography in distinguishing between skeletal metastases and radiation necrosis, Yousem DM; Magid D; Scott WW Jr; et al, Clin Imag 1989; **13:** 147

tumors after radiotherapy for skin hemangioma in childhood: a case–control study, Fürst CJ; Lundell M; Holm L-E, Acta Oncol 1990; **29:** 557

ureteral injury following experimental intraoperative radiation, Gillette SLM; Gillette EL; Powers BE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 791

use of biodegradable mesh to prevent radiation-associated small-bowel injury, (ab), Dasmahapatra KS; Swaminathan AP, Radiology 1991; **180:** 883

use of CT densitometry in the assessment of radiation-induced damage to the rat lung: a comparison with other endpoints, Lehnert S; El-Khatib E, Int J Radiat Oncol Biol Phys 1989; **16:** 117

use of CT densitometry to predict lung toxicity in bone marrow transplant patients, El-Khatib EE; Freeman CR; Rybka WB; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 85

vena caval and central venous stenoses: management with Palmaz balloon-expandable intraluminal stents, Elson JD; Becker GJ; Wholey MH; Ehrman KO, JVIR 1991; **2:** 215

Radiations, injurious effects, genetic, gonadal

AAPM tutorial: scientific view of low-level radiation risks, Hall EJ, Radiographics 1991; **11:** 509

case control study of trisomy 21 and maternal pre-conceptual radiography, Francis J; Snee M, Clin Radiol 1991; **43:** 343

comparative studies on repair inhibition by AraA, AraC and aphidicolin of radiation induced DNA and chromosome damage in rodent cells: comparison with fixation of PLD, Iliakis G; Pantelias G; Okayasu R; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1261

delayed appearance of lethal and specific gene mutations in irradiated mammalian cells, Little JB; Gorgojo L; Vetrovs H, Int J Radiat Oncol Biol Phys 1990; **19:** 1425

gonadal status and reproductive function following treatment for Hodgkin's disease in childhood: the Stanford experience, Ortin TTS; Shostak CA; Donaldson SS, Int J Radiat Oncol Biol Phys 1990; **19:** 873

phosphorus metabolites and the distribution of cell cycle phase of RIF-1 tumors in response to 14 Gy irradiation, Majors AW; Ng TC; Karalis IM; et al, Magn Res Med 1990; **16:** 425

production of chromosome structural changes by radiation: an update of Lea (1946), Chapter VI, Savage JRK, Br J Radiol 1989; **62:** 507

radiation exposure to angiographers under different fluoroscopic imaging conditions, Boone JM; Levin DC, Radiology 1991; **180:** 861

radiation-induced cell death by chromatin loss: a model to explain the shape of low-linear-energy-transfer cell survival curves, Campbell IR; Warenius HM, Br J Radiol 1989; **62:** 338

radionuclide angiography with technetium-99m in vivo labeled erythrocytes does not lead to induction of mutations in the HPRT gene of human T-lymphocytes, van Dam FJ; Camps JA; Woldring VM; et al, J Nucl Med 1991; **32:** 814

Radiations, injurious effects, neoplastic

AAPM tutorial: scientific view of low-level radiation risks, Hall EJ, Radiographics 1991; **11:** 509

cancer occurring after radiotherapy and chemotherapy, Holm L-E, Int J Radiat Oncol Biol Phys 1990; **19:** 1303

cancer risk among staff at two radiotherapy departments in Denmark, Andersson M; Engholm G; Ennow K; et al, Br J Radiol 1991; **64:** 455

case report 691, Herman TE; McAlister WH; Rosenthal D; et al, Skeletal Radiol 1991; **20:** 472

cerebellar gliosarcoma: report of a probable radiation-induced neoplasm, Beute BJ; Fobben ES; Hubschmann O; et al, AJNR 1991; **12:** 554

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

diagnostic x-ray procedures and risk of leukemia, lymphoma, and multiple myeloma, (ab), Boice JD Jr; Morin MM; Glass AG; et al, Radiology 1991; **180:** 888

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

flexible protective gloves: the emperor's new clothes?, Kelsey CA; Mettler FA Jr, Radiology 1990; **174:** 275

from chimney sweeps to oncogenes: the quest for the causes of cancer, Hall EJ, Radiology 1991; **179:** 297

immune competence in ^{90}Sr-exposed, adult thymectomized and antilymphocyteglobulin-treated CBA mice: II. reticuloendothelial phagocytic function and in vitro mitogen responsiveness of spleen cells, Bierke P, Acta Oncol 1990; **29:** 615

important step in radiation carcinogenesis may be inactivation of cellular genes, Weichselbaum RR; Beckett MA; Diamond AA, Int J Radiat Oncol Biol Phys 1989; **16:** 277

leiomyosarcoma following therapeutic irradiation for ankylosing spondylitis, Stevens GN; Tattersall MHN; Biro C; et al, Br J Radiol 1990; **63:** 730

long-term risk of sarcoma following radiation treatment for breast cancer, Taghian A; de Vathaire F; Terrier P; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 361

malignant disease after radiation treatment of benign gynaecological disorders: a study of a cohort of metropathia patients, Ryberg M; Lundell M; Nilsson B; et al, Acta Oncol 1990; **29:** 563

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

oesophageal carcinoma following internal mammary chain irradiation for carcinoma of the breast—a report of six cases, Davidson NGP; Roy UK; Khanna S, Acta Oncol 1990; **29:** 1059

past and revised risk estimates for cancer induced by irradiation and their influence on dose limits, Richardson RB, Br J Radiol 1990; **63:** 235

positron emission tomography and computed tomography in differential diagnosis between recurrent or residual glioma and treatment-induced brain lesions, Lilja A; Lundqvist H; Olsson Y; et al, Acta Radiol 1989; **30:** 121

postradiation astrocytoma: report of two cases, (ab), Kitanaka C; Shitara N; Nakagomi T; et al, Radiology 1989; **173:** 590

post-radiation cranial malignant fibrous histiocytoma studied by CT, Romero FJ; Ortega A; Ibarra B; et al, Comput Med Imag Graph 1989; **13:** 191

radiation-induced cancer as a factor in clinical decision making (the 1989 Astro Gold Medal address), Parker RG, Int J Radiat Oncol Biol Phys 1990; **18:** 993

radiation induced extraskeletal osteosarcoma, Logue JP; Cairnduff F, Br J Radiol 1991; **64:** 171

radiation-induced malignant pleural mesothelioma, Kawashima A; Libshitz HI; Lukeman JM, J Canad Assoc Radiol 1990; **41:** 384

radiation-induced sarcoma of bone: CT findings in 19 cases, Lorigan JG; Libshitz HI; Peuchot M, AJR 1989; **153:** 791

radiation induced thyroid neoplasms 1920 to 1987: a vanishing problem?, Mehta MP; Goetowski PG; Kinsella TJ, Int J Radiat Oncol Biol Phys 1989; **16:** 1471

radon: is it a problem?, Hart BL; Mettler FA Jr; Harley NH, Radiology 1989; **172:** 593

scatter dose from tangential breast irradiation to the uninvolved breast, Muller-Runkel R; Kalokhe UP, Radiology 1990; **175:** 873

scatter dose from tangential breast irradiation to the uninvolved breast, Chilcote WS, Radiology 1991; **179:** 584

second primary tumors following radiotherapy for childhood cancer, Hawkins MM, Int J Radiat Oncol Biol Phys 1990; **19:** 1297

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

tumor induction following intraoperative radiotherapy: late results of the National Cancer Institute canine trials, Barnes M; Duray P; DeLuca A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 651

use of flexible protective gloves, Kelsey CA; Mettler FA Jr, Radiology 1990; **176:** 287

use of flexible protective gloves: another viewpoint, Dorne HL, Radiology 1990; **176:** 287

use of flexible protective gloves: another viewpoint: reply, Kelsey CA; Mettler FA Jr, Radiology 1990; **176:** 288

Radiations, measurement

AAPM tutorial: development of radiation protection standards, Edwards M, Radiographics 1991; **11:** 699

absorbed dose in imaging: why measure it?, Wagner LK, Radiology 1991; **178:** 622

average radiation exposure values for three diagnostic radiographic examinations, Rueter FG; Conway BJ; McCrohan JL; Suleiman OH, Radiology 1990; **177:** 341

conservative management of stage I and II breast cancer, Zablow A; LaNasa P, Radiology 1991; **181:** 608

control of breast cancer through screening mammography, Tabár L, Radiology 1990; **174:** 655

enteroclysis and small bowel series: comparison of radiation dose and examination time, Thoeni RF; Gould RG, Radiology 1991; **178:** 659

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; **176:** 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; **174:** 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; **176:** 877

fetal dose estimates for CT pelvimetry, Moore MM; Shearer DR, Radiology 1989; **171:** 265

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; **174:** 627

memorandum from the British Committee on Radiation units and measurements: quantities for environmental monitoring, Br J Radiol Br J Radiol 1989; **62:** 482

radiation exposure to angiographers under different fluoroscopic imaging conditions, Boone JM; Levin DC, Radiology 1991; **180:** 861

radiation safety considerations for post-iodine-131 hyperthyroid therapy, Culver CM; Dworkin HJ, J Nuci Med 1991; **32:** 169

radon: is it a problem?, Hart BL; Mettler FA Jr; Harley NH, Radiology 1989; **172:** 593

scatter dose from tangential breast irradiation to the uninvolved breast, Muller-Runkel R; Kalokhe UP, Radiology 1990; **175:** 873

scatter dose from tangential breast irradiation to the uninvolved breast, Chilcote WS, Radiology 1991; **179:** 584

spectral dependence of glandular tissue dose in screen-film mammography, Wu X; Barnes GT; Tucker DM, Radiology 1991; **179:** 143

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; **174:** 648

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; **174:** 628

Radiations, protective and therapeutic agents and devices

altered radioprotective properties of interleukin Iα (IL-1) in non-hematologic tumor-bearing animals, Kovacs CJ; Gooya JM; Harrell JP; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 307

broad-beam transmission data in lead for scattered radiation produced at diagnostic energies, Rawlings DJ; Faulkner K; Harrison RM, Br J Radiol 1991; **64:** 69

calculation of lung shielding for total body irradiation, El-Khatib EE; Valcourt S, Int J Radiat Oncol Biol Phys 1989; **17:** 1099

combined modality radioprotection: the use of glucan and selenium with WR-2721, Patchen ML; MacVittie TJ; Weiss JF, Int J Radiat Oncol Biol Phys 1990; **18:** 1069

determination of a suitable dosage of lysine–vasopressin and triglycyl–lysine–vasopressin, given in a gel-solution locally in the rectum of rats for possible radioprotective purposes, Bjelkengren G, Acta Oncol 1990; **29:** 1041

effect of changes in imaging technology on dose received by technologists, Hale J; Laufer I; Ditz BL, Radiology 1989; **173:** 576

flexible protective gloves: the emperor's new clothes?, Kelsey CA; Mettler FA Jr, Radiology 1990; **174:** 275

further studies on selective radioprotection by organic zinc salts and synergism of zinc aspartate with WR 2721, Floersheim GL; Bieri A, Br J Radiol 1990; **63:** 468

historical development of radiation safety practices in radiology, Brodsky A; Kathren RL, Radiographics 1989; **9:** 1267

increasing the usefulness of disposable lead gloves, Ullman JM, Radiology 1990; **174:** 581

interleukin 1 alpha stimulates hemopoiesis but not tumor cell proliferation and protects mice from lethal total body irradiation, Constine LS; Harwell S; Keng P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 447

interleukin-1 modification of the effects of cyclophosphamide and fractionated irradiation, Dorie MJ; Kallman RF; Cebulska-Wasilewska A, Int J Radiat Oncol Biol Phys 1991; **20:** 311

interleukin-1α protects against the toxicity associated with combined radiation and drug therapy, Evans MJ; Kovacs CJ; Gooya JM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 303

minimization of small bowel volume within treatment fields utilizing customized "belly boards", Shanahan TG; Mehta MP; Bertelrud KL; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 469

prospective pilot study on the effect of sucralfate mouth-swishing in reducing stomatitis during radiotherapy of the oral cavity, Pfeiffer P; Hansen O; Madsen EL; et al, Acta Oncol 1990; **29:** 471

radiation response of E. coli after combined treatment with misonidazole and WR-2721 at various oxygen concentrations, Dám AM; Gazsó LG; Bodó K, Acta Oncol 1990; **29:** 1055

report no. 100 is published by the National Council on Radiation Protection and Measurements, Sinclair WK, Radiology 1989; **173:** 877

shielding considerations for an operating room based intraoperative electron radiotherapy unit, Mills MD; Almond PR; Boyer AL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1215

small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ, Radiology 1990; **176:** 563

use of flexible protective gloves, Kelsey CA; Mettler FA Jr, Radiolcgy 1990; **176:** 287

use of flexible protective gloves: another viewpoint, Dorne HL, Radiology 1990; **176:** 287

use of flexible protective gloves: another viewpoint: reply, Kelsey CA; Mettler FA Jr, Radiology 1990; **176:** 288

use of light-dependent-resistor circuit to remotely reset digital constancy meter, Perec A; Kubo H, Int J Radiat Oncol Biol Phys 1990; **19:** 483

whole body hyperthermia: a potent radioprotector *in vivo*, Shen R-N; Hornback NB; Shidnia H; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 525

x-ray protection considerations for mammography screening centres, Walker A; Hounsell AR, Br J Radiol 1989; **62:** 554

Radioaerosols

See Aerosols

Radiobiology

See also Neoplasms, experimental

changes in biological effectiveness of the neutron beam at Clatterbridge (62 MeV p on Be) measured with cells *in vitro*, Bewley DK; Cullen BM; Astor M; et al, Br J Radiol 1989; **62:** 344

combined effect of radiation and YM-881 (SMANCS) on murine tumors and bone marrow, Ono K; Wandl E; Sasai K; et al, Acta Oncol 1990; **29:** 455

comparison of the distribution of bromine-77-bromovinyl steroidal and triphenylethylene estrogens in the immature rat, DeSombre ER; Hughes A; Mease RC; et al, J Nucl Med 1990; **31:** 1534

functional changes in the irradiated rat ureter: assessment by transit-time renography, Knowles JF; Nimmon CC, Br J Radiol 1989; **62:** 87

influence of scheduling, dose, and volume of administration of a perfluorochemical emulsion on tumor response to radiation therapy, Teicher BA; Herman TS; Jones SM, Int J Radiat Oncol Biol Phys 1990; **19:** 945

phosphorus-31 magnetic resonance spectroscopy and blood perfusion of the RIF-1 tumor following x-irradiation, Tozer GM; Bhujwalla ZM; Griffiths JR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 155

radiobiological aspects of low dose rates in radioimmunotherapy, Fowler JF, Int J Radiat Oncol Biol Phys 1990; **18:** 1261

relative biological effectiveness and oxygen enhancement ratio of 50 MV x-rays, Zackrisson B; Johansson B; Östbergh P, Acta Oncol 1989; **28:** 529

response of rat rhabdomyosarcoma tumors to split doses of mixed high- and low-LET radiation, Tenforde TS; Montoya VJ; Afzal SMJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1529

role of the H-ras oncogene in radiation resistance and metastasis, McKenna WG; Weiss MC; Bakanauskas VJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 849

tetrachlorodecaoxygen anion complex treatment after localized X irradiation of the rat colon, Breiter N; Sassy T; Trott K-R, Br J Radiol 1989; **62:** 381

Radiobiology, blood and hematopoietic studies

intravascular ultrasound imaging of vascular responsiveness in isolated perfused canine arteries, Wilson MW; Webb RC; Marx MV; et al, Invest Radiol 1991; **26:** 248

radiological definition of a new model of portal diversion in the rat, Jaffe V; Sandin B; Wilkins RA, Br J Radiol 1990; **63:** 615

Radiobiology, cell and tissue studies

autoradiographic study of tritium-labeled misonidazole in the mouse, Cobb LM; Nolan J, Int J Radiat Oncol Biol Phys 1989; **16:** 953

enhanced synthesis of specific proteins, RNA, and DNA caused by hypoxia and reoxygenation, Wilson RE; Sutherland RM, Int J Radiat Oncol Biol Phys 1989; **16:** 957

estimation of clonogenic cell fraction in primary cultures derived from human squamous cell carcinomas, Geara F; Girinski TA; Chavaudra N; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 661

physical bone changes in carrageenin-induced arthritis evaluated by quantitative computed tomography, Søballe K; Pedersen CM; Ødgaard A; et al, Skeletal Radiol 1991; **20:** 345

platelet-derived growth factor: three isoforms that bind to two distinct cel surface receptors, Claesson-Welsh L; Heldin C-H, Acta Oncol 1989; **28:** 331

radiobiological features of human pluripotent bone marrow progenitor cells (CFU-GEMM), Uckun FM; Song CW, Int J Radiat Oncol Biol Phys 1989; **17:** 1021

serotonin-producing carcinoid tumour cells in long-term culture: studies on serotonin release and morphological features, Ahlund L; Nilsson O; Kling-Petersen T; et al, Acta Oncol 1989; **28:** 341

tumor cell proliferation kinetics and tumor growth rate, Tubiana M, Acta Oncol 1989; **28:** 113

Radiobiology, lethality studies

chlorpromazine-induced hypothermia in tumour-bearing mice, acute cytotoxic drug lethality and long-term survival, Hultborn R; Lundgren-Eriksson L; Ottosson-Lönn S; et al, Acta Oncol 1990; **29:** 941

effect of lonidamine (LND) on radiation and thermal responses of human and rodent cell lines, Raaphorst GP; Feeley MM; Danjoux CE; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 509

effects of inhibition of intercellular communication on repair of damage induced by ionizing radiation, Madhoo J; Blekkenhorst G, Br J Radiol 1989; **62:** 281

influence of cathepsin B and leupeptin on potentially lethal damage repair in mammalian cells, Osmak M; Korbelik M; Suhar A; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 707

interaction between recombinant human tumor necrosis factor and radiation in 13 human tumor cell lines, Hallahan DE; Beckett MA; Kufe D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 69

lack of a differential radiation response for proliferative and non-proliferative rat thyroid cells (FRTL-5) *in vitro*, Brosing JW; Giese WL; Mulcahy RT, Int J Radiat Oncol Biol Phys 1989; **16:** 1511

precipitation of radiation injury in kidney epithelium reveals a low fractionation sensitivity (α/β = 12.5 Gy), Ewen C; Hendry JH, Br J Radiol 1989; **62:** 283

radiobiological characterization of head and neck and sarcoma cells derived from patients prior to radiotherapy, Weichselbaum RR; Beckett MA; Vijayakumar S; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 313

"recall effect" in radiotherapy: is subeffective, reparable damage involved?, Kitani H; Kosaka T; Fujihara T; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 689

response of glioblastoma cell lines to low dose rate irradiation, Marin LA; Smith CE; Langston MY; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 397

response of the mouse mediastinum to single and fractionated x-rays, Hirn-Stadler B; Wbra F; Fowler JF; et al, Br J Radiol 1991; **64:** 740

tumor bed effect-induced reduction of tumor radiocurability through the increase in hypoxic cell fraction, Milas L; Hunter N; Peters LJ, Int J Radiat Oncol Biol Phys 1989; **16:** 139

Radiobiology, neoplastic studies

See Neoplasms, experimental

Radiobiology, time-dose studies

accelerated fractionation radiation therapy for liver metastases: selection of an optimal patient population for the evaluation of late hepatic injury in RTOG studies, Leibel SA; Guse C; Order SE; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 523

accelerated superfractionated irradiation for advanced carcinoma of the head and neck: concomitant boost technique, Schmidt-Ullrich RK; Johnson CR; Wazer DE; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 563

acute response of mouse kidney clonogens to fractionated irradiation *in situ* and then assayed in primary culture, Jen Y-M; Hendry JH, Br J Radiol 1991; **64:** 142

alternate day treatment and late effects: the concept of an effective dose per fraction, Courdi A; Héry M; Gabillat J-M, Int J Radiat Oncol Biol Phys 1990; **19:** 1225

astro plenary: interfraction interval is a major determinant of late effects, with hyperfractionated radiation therapy of carcinomas of upper respiratory and digestive tracts: results from radiation therapy oncology group protocol 8313, Cox JD; Pajak TF; Marcial VA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1191

carcinoma of the prostate stage B and C: lack of influence of duration of radiotherapy on tumor control and treatment morbidity, Lai PP; Perez CA; Shapiro SJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 561

cell repopulation and overall treatment time, Trott K-R, Int J Radiat Oncol Biol Phys 1990; **19:** 1071

concomitant boost radiotherapy schedules in the treatment of carcinoma of the oropharynx and nasopharynx, Ang KK; Peters LJ; Weber RS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1339

concurrent radiotherapy and carboplatin in non small-cell lung cancer: a pilot study using conventional and accelerated fractionation, Ball D; Bishop J; Crennan E; et al, Australas Radiol 1991; **35:** 66

differential response of rapidly- and slowly-proliferating hair follicles of mice to fractionated irradiation, Vegesna V; Withers HR; Taylor JMG, Int J Radiat Oncol Biol Phys 1989; **17:** 1027

direct analysis of quantitative data from radiobiological studies on pig lung, Rezvani M, Br J Radiol 1990; **63:** 958

dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx: tumor dose-response and repopulation, Maciejewski B; Withers HR; Taylor JMG; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 831

dose fractionation and regeneration in radiotherapy for cancer of the oral cavity and oropharynx. part 2. normal tissue responses: acute and late effects, Maciejewski B; Withers HR; Taylor JMG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 101

dose-response for local control with hyperfractionated radiation therapy in advanced carcinomas of the upper aerodigestive tracts: preliminary report of radiation therapy oncology group protocol 83-13, Cox JD; Pajak TF; Marcial VA; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 515

dosimetric intercomparison in the British Institute of Radiology fractionation study of 3F/week versus 5F/week in radiotherapy of laryngo-pharynx cancer, Barrett JH; Davy TJ; Dixon-Brown A; et al, Br J Radiol 1990; **63:** 125

effect of fractionated irradiation on cell kinetics, Laasonen A; Pyrhönen S; Kouri M; et al, Acta Oncol 1991; **30:** 51

effect of normobaric oxygen on tumor radiosensitivity: fractionated studies, Rojas A; Carl U; Reghebi K, Int J Radiat Oncol Biol Phys 1990; **18:** 547

effects of altered fractionation schedules on the survival of human cell lines differing in their proliferative activity and repair capacity, Konefal JB; Taylor YC, Int J Radiat Oncol Biol Phys 1989; **17:** 1007

equivalent total doses for different fractionation schemes, based on the linear quadratic model, Muller-Runkel R; Vijayakumar S, Radiology 1991; **179:** 573

evaluation of time-dose and fractionation for ^{252}Cf neutrons in preoperative bulky/barrel-cervix carcinoma radiotherapy, Maruyama Y; Wierzbicki J, Int J Radiat Oncol Biol Phys 1990; **19:** 1561

final report of the general clinical results of the British Institute of Radiology fractionation study of 3F/wk *versus* 5F/wk in radiotherapy of carcinoma of the laryngo-pharynx, Wiernik G; Bates TD; Bleehen NM; et al, Br J Radiol 1990; **63:** 169

final report on the second British Institute of Radiology fractionation study: short *versus* long overall treatment times for radiotherapy of carcinoma of the laryngo-pharynx, Wiernik G; Alcock CJ; Bates TD; et al, Br J Radiol 1991; **64:** 232

first interim progress report on the second British Institute of Radiology Fractionation study: short *versus* long overall treatment times for radiotherapy of carcinoma of the laryngopharynx, Wiernik G; Alcock CJ; Bates TD; et al, Br J Radiol 1989; **62:** 450

fractionated radiotherapy of small inoperable lesions of the brain using a non-invasive stereotactic frame, Delannes M; Daly NJ; Bonnet J; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 749

fractionated regimens for stereotactic radiotherapy of recurrent tumors in the brain, Brenner DJ; Martel MK; Hall EJ, Int J Radiat Oncol Biol Phys 1991; **21:** 819

fractionation effects and repair kinetics in rat kidney, van Rongen E; Kuijpers WC; Madhuizen HT, Int J Radiat Oncol Biol Phys 1990; **18:** 1093

fractionation sensitivity and immunological status in radiation treated murine sarcomas, Miralbell R; Zietman A; Okunieff P; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 867

fractionation sensitivity and the oxygen effect, Hendry JH; Thames HD, Br J Radiol 1990; **63:** 79

fractionation sensitivity of a functional endpoint: impaired shoulder movement after post-mastectomy radiotherapy, Bentzen SM; Overgaard M; Thames HD, Int J Radiat Oncol Biol Phys 1989; **17:** 531

fraction size-dependent acute skin reaction of mice after multiple twice-a-day doses, Abe Y; Urano M, Int J Radiat Oncol Biol Phys 1990; **18:** 359

fraction size in external beam radiation therapy in the treatment of melanoma, Sause WT; Cooper JS; Rush S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 429

hyperfractionated irradiation for adults with brainstem gliomas, Linstadt DE; Edwards MSB; Prados M; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 757

immunologic changes after loco-regional radiotherapy and fractionated total body irradiation (TBI) in mice, de Ruysscher D; Waer M; Vandeputte M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1237

influence of a seventy-two hour gap on the acute response of mouse skin and oesophagus, Marino C; Hirn-Stadler B; Rojas A, Br J Radiol 1990; **63:** 951

influence of the fractionation of total body irradiation on complications and relapse rate for chronic myelogenous leukemia, Socie G; Devergie A; Girinsky T; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 397

influence of treatment time on the response of rat rhabdomyosarcoma R1H to fractionated irradiation, Beck-Bornholdt H-P; Omniczynski M; Theis E; et al, Acta Oncol 1991; **30:** 57

linear-quadratic formula and progress in fractionated radiotherapy, Fowler JF, Br J Radiol 1989; **62:** 679

linear-quadratic model isoeffect relations for proliferating tumor cells for treatment with multiple fractions per day, Yaes RJ, Int J Radiat Oncol Biol Phys 1989; **17:** 901

metastases after fractionated radiation therapy of three murine tumor models, Baumann M; Suit HD; Sedlacek RS, Int J Radiat Oncol Biol Phys 1990; **19:** 367

on using the linear-quadratic model in daily clinical practice, Yaes RJ; Patel P; Maruyama Y, Int J Radiat Oncol Biol Phys 1991; **20:** 1353

phase II study of multiple daily fractionations in the palliation of advanced pelvic malignancies: preliminary report of RTOG 8502, Spanos W Jr; Guse C; Perez C; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 659

predictive value of cell kinetic measurements in a European trial of accelerated fractionation in advanced head and neck tumors: an interim report, Begg AC; Hofland I; Moonen L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1449

prospective randomized trial comparing hyperfractionated versus conventional radiotherapy in stages III and IV oropharyngeal carcinoma, Pinto LHJ; Canary PCV; Araújo CMM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 557

radiation effect in mouse skin: dose fractionation and wound healing, Gorodetsky R; Mou X; Fisher DR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1077

radiation fractionation sensitivity of epiphyseal cartilage in a weanling rat model, Eifel PJ; Sampson CM; Tucker SL, Int J Radiat Oncol Biol Phys 1990; **19:** 661

radiation myelopathy in primates treated with conventional fractionation, Schultheiss TE; Stephens LC; Jiang G-L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 935

radiobiological rationale for compensation for gaps in radiotherapy regimes by post-gap acceleration of fractionation, Wheldon TE; Barrett A, Br J Radiol 1990; **63:** 114

radiotherapy by multiple fractions per day (MFD) in head and neck cancer: acute reactions of skin and mucosa, Van der Schueren E; Van den Bogaert W; Vanuytsel L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 301

radiotherapy of the rhabdomyosarcoma R1H of the rat: hyperfractionation—126 fractions applied within 6 weeks, Beck-Bornholdt H-P; Maurer T; Becker S; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 701

radiotherapy of the rhabdomyosarcoma R1H of the rat: postoperative radiotherapy, Carl UM; Beck-Bornholdt H-P; Baumann M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 883

rationale for continuous, hyperfractionated, accelerated radiotherapy (CHART), Dische S; Saunders MI, Int J Radiat Oncol Biol Phys 1990; **19:** 1317

re-analysis of the time factor in local control by radiotherapy of T_3T_4 squamous cell carcinoma of the larynx, Lindstrom MJ; Fowler JF, Int J Radiat Oncol Biol Phys 1991; **21:** 813

relative biological effectiveness of fractionated doses of fast neutrons (42 $MeV_{d\rightarrow Be}$) for normal tissues in the pig. II. late effects on cutaneous and subcutaneous tissues, Hopewell JW; Barnes DWH; Robbins MEC; et al, Br J Radiol 1990; **63:** 760

relative biological effectiveness of fractionated doses of fast neutrons (42 $MeV_{d\rightarrow Be}$) for normal tissues: III. effects on lung function, Rezvani M; Barnes DWH; Hopewell JW; et al, Br J Radiol 1990; **63:** 875

response of human tumor cell lines *in vitro* to fractionated irradiation, Matthews JHL; Meeker BE; Chapman JD, Int J Radiat Oncol Biol Phys 1989; **16:** 133

response of the canine lung to fractionated irradiation: pathologic changes and isoeffect curves, McChesney SL; Gillette EL; Powers BE, Int J Radiat Oncol Biol Phys 1989; **16:** 125

response of two human tumor xenografts to fractionated irradiation. the derivation of α/β ratios from growth delay, tumor control, and *in vitro* cell survival assays, Zietman AL; Suit HD; Tomkinson KN; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 569

schedule-dependent therapeutic gain from the combination of fractionated irradiation plus c-DDP and 5-FU or plus c-DDP and cyclophosphamide in C3H/Km mouse model systems, Kallman RF; Rapacchietta D; Zaghloul MS, Int J Radiat Oncol Biol Phys 1991; **20:** 227

should tumors be clamped in radiobiological fractionation experiments?, Beck-Bornholdt H-P, Int J Radiat Oncol Biol Phys 1991; **21:** 675

single fraction per day versus two fractions per day versus radiochemotherapy in the treatment of head and neck cancer, Sanchiz F; Millá A; Torner J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1347

small-field stereotactic external-beam radiation therapy of intracranial lesions: fractionated treatment with a fixed-halo immobilization device, Schwade JG; Houdek PV; Landy HJ; Bujnoski JL; Lewin AA; Abitol AA; Serago CF; Pisciotta VJ, Radiology 1990; **176:** 563

tumor and normal tissue tolerance for fractionated low-dose-rate radiotherapy, Moulder JE; Fish BL; Wilson JF, Int J Radiat Oncol Biol Phys 1990; **19:** 341

tumor necrosis factor as an adjunct to fractionated radiotherapy in the treatment of murine tumors, Nishiguchi I; Willingham V; Milas L, Int J Radiat Oncol Biol Phys 1990; **18:** 555

use of a specific hypofractionated radiation therapy regimen versus classical fractionation in the treatment of breast cancer: a randomized study of 230 patients, Baillet F; Housset M; Maylin C; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1131

use of mouse tail in the study of irradiated microvasculature, Narayan K, Australas Radiol 1990; **34:** 155

variations of the hypoxic fraction in the SCC VII tumors after single dose and during fractionated radiation therapy: assessment without anesthesia or physical restraint of mice, Kitakabu Y; Shibamoto Y; Sasai K; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 709

RadioGraphics (journal)

acknowledgement, Tuddenham WJ, Radiographics 1989; **9:** 1080

editor's page, Olmsted WW, Radiographics 1990; **10:** 11

editor's page: peer review of *RadioGraphics* manuscripts: is it needed?, Olmsted WW, Radiographics 1991; **11:** 529

editor's page: *RadioGraphics* update 2: announcements and new features, Olmsted WW, Radiographics 1991; **11:** 5

editor's page: Radiological Society of North America, board of directors announces new appointments, Zylak CJ, Radiographics 1989; **9:** 797

*info*RAD: informatics in radiology: a new column supporting an old effort, Staab EV, Radiographics 1991; **11:** 7

note of thanks, Olmsted WW, Radiographics 1991; **11:** 58

note of thanks, Olmsted WW, Radiographics 1991; **11:** 1149

RadioGraphics update: announcements and new features, Olmsted WW, Radiographics 1990; **10:** 773

routes to publication in *RadioGraphics*, Olmsted WW, Radiographics 1990; **10:** 401

William J. Tuddenham, MD, Editor, *RadioGraphics*, 1981–1989, Campbell RE, Radiology 1989; **173:** 559

William W. Olmsted, MD, new editor, *RadioGraphics*, Houser OW, Radiology 1989; **172:** 875

Radiographs

See Images

Radiography

See also Radiations; under procedures, such as Angiography; Fluoroscopy; Myelography, etc.

diagnostic radiology around the world, Mettler FA; Haygood TM; Meholic AJ, Radiology 1990; **175:** 577

first radiation accident in America: a centennial account of the x-ray photograph made in 1890, Walden TL Jr, Radiology 1991; **181:** 635

lightening dark double-emulsion radiographs, Levin B, Radiology 1990; **174:** 574

lightening dark radiographs, Kumar R; Saha MM, Radiology 1991; **178:** 583

object radiography contrived to illustrate basic principles, Pantoja E; Kabler C; Li CP, Radiographics 1990; **10:** 323

radiography and fluoroscopy, 1920 to the present, Krohmer JS, Radiographics 1989; **9:** 1129

three-dimensional imaging of an Egyptian mummy, Magid D; Bryan BM; Drebin RA; et al, Clin Imag 1989; **13:** 239

Radiography, absurdities

Bart Simpson of the femur: case report, Radiology Radiology 1991; **179:** 40

pointed signs, Morparia H, Radiology 1991; **179:** 138

pointed signs, Morparia H, Radiology 1991; **179:** 220

Radiography, artifact

bone marrow biopsy changes in the iliac bone mimicking multiple colonic polypi, Singer J; Cole J; Vas W, Australas Radiol 1990; **34:** 262

Radiography, bedside

diagnostic quality of portable abdominal radiographs in neonates with necrotizing enterocolitis: digitized vs nondigitized images, Gross GW; Ehrlich SM; Wang Y, AJR 1990; **154:** 779

digital mobile radiography, Sagel SS; Jost RG; Glazer HS; et al, J Thorac Imag 1990; **5-1:** 36

improved control of image optical density with low-dose digital and conventional radiography in bedside imaging, Schaefer CM; Greene RE; Oestmann JW; Kamalsky JM; Hall DA; Llewellyn HJ; Robertson CL; Rhea JT; Rosenthal H; Rubens JR; Shepard JO; Templeton PA, Radiology 1989; **173:** 713

preliminary experience with portable digital imaging for intensive care radiography, Marglin SI; Rowberg AH; Godwin JD, J Thorac Imag 1990; **5-1:** 49

radiography transculcitam: technique and devices to simplify bedside radiography, Möller A, Radiology 1991; **179:** 283

Radiography, comparative studies

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

chest radiography: comparison of high-resolution digital displays with conventional and digital film, Cox GG; Cook LT; McMillan JH; Rosenthal SJ; Dwyer SJ III, Radiology 1990; **176:** 771

chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111

chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C, Radiology 1991; **179:** 123

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

comparison of digital and conventional musculoskeletal radiography: an observer performance study, Wegryn SA; Piraino DW; Richmond BJ; Schluchter MD; Uetani M; Freed HA; Meziane MA; Belhobek GA, Radiology 1990; **175:** 225

comparison of digital and conventional musculoskeletal radiography: observer performance study, Bramble JM; Murphey MD, Radiology 1990; **177:** 587

comparison of digital and conventional musculoskeletal radiography: observer performance study: reply, Wegryn SA; Piraino DW, Radiology 1990; **177:** 588

detection of bullous lung disease: conventional radiography vs digital storage phosphor radiography, Buckley KM; Schaefer CM; Greene R; et al, AJR 1991; **156:** 467

digital imaging with a photostimulable phosphor in the chest of newborns, Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B, Radiology 1991; **181:** 829

digital storage phosphor imaging versus conventional film radiography in CT-documented chest disease, Schaefer CM; Greene RE; Oestmann JW; Hall DA; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1990; **174:** 207

direct comparison of conventional and computed radiography with a dual-image recording technique, MacMahon H; Sanada S; Doi K; Giger ML; Xu X-W; Yin F-F; Montner SM; Carlin M, Radiographics 1991; **11:** 259

improved control of image optical density with low-dose digital and conventional radiography in bedside imaging, Schaefer CM; Greene RE; Oestmann JW; Kamalsky JM; Hall DA; Llewellyn HJ; Robertson CL; Rhea JT; Rosenthal H; Rubens JR; Shepard JO; Templeton PA, Radiology 1989; **173:** 713

lymphangiomyomatosis: CT, chest radiographic, and functional correlations, Aberle DR; Hansell DM; Brown K; Tashkin DP, Radiology 1990; **176:** 381

mediastinal abnormalities: detection with storage phosphor digital radiography, Schaefer CM; Greene RE; Hall DA; Lindemann SR; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1991; **178:** 169

mediastinal tumors: sensitivity of detection with sonography compared with CT and radiography, Wernecke K; Vassallo P; Pötter R; Lückener H-G; Peters PE, Radiology 1990; **175:** 137

photostimulable phosphor digital radiography of the extremities: diagnostic accuracy compared with conventional radiography, Wilson AJ; Mann FA; Murphy WA Jr; et al, AJR 1991; **157:** 533

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; **175:** 329

pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22

storage phosphor versus screen-film radiography: effect of varying exposure parameters and unsharp mask filtering on the detectability of cortical bone defects, Prokop M; Galanski M; Oestmann JW; von Falkenhausen U; Rosenthal H; Reimer P; Nischelsky J; Reichelt S, Radiology 1990; **177:** 109

Radiography, computer-assisted

aortic wall: an in vitro study of the double-line pattern in high-resolution US, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1990; **175:** 387

chest radiography: comparison of high-resolution digital displays with conventional and digital film, Cox GG; Cook LT; McMillan JH; Rosenthal SJ; Dwyer SJ III, Radiology 1990; **176:** 771

clinical evaluation of irreversible image compression: analysis of chest imaging with computed radiography, Ishigaki T; Sakuma S; Ikeda M; Itoh Y; Suzuki M; Iwai S, Radiology 1990; **175:** 739

design and implementation of full-frame, bit-allocation image-compression hardware module: work in progress, Ho BKT; Chao J; Zhu P; Huang HK, Radiology 1991; **179:** 563

detector for scanned projection radiography, Sones RA; Lauro KL; Cattell CL, Radiology 1990; **175:** 553

digital imaging workstation, Arenson RL; Chakraborty DP; Seshadri SB; Kundel HL, Radiology 1990; **176:** 303

direct comparison of conventional and computed radiography with a dual-image recording technique, MacMahon H; Sanada S; Doi K; Giger ML; Xu X-W; Yin F-F; Montner SM; Carlin M, Radiographics 1991; **11:** 259

double-line pattern of vessel walls at high-frequency US, Fitzgerald PJ; Yock PG, Radiology 1991; **179:** 878

double-line pattern of vessel walls at high-frequency US, Mercuri MF, Radiology 1991; **179:** 879

double-line pattern of vessel walls at high-frequency US: reply, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1991; **179:** 879

evaluation of a quadtree-based compression algorithm with digitized urograms, Halpern EJ; Newhouse JH; Amis ES; Levy HM; Lubetsky HW, Radiology 1989; **171:** 259

localization and measurement of neurotransmitter receptors in rat and human brain by quantitative autoradiography, Ko GN; Wilcox BJ; Petracca FM; et al, Comput Med Imag Graph 1989; **13:** 37

pulmonary nodules: computer-aided detection in digital chest images, Giger ML; Doi K; MacMahon H; Metz CE; Yin F-F, Radiographics 1990; **10:** 41

single-exposure conventional and computed radiography image acquisition, Chotas HG; Dobbins JT III; Floyd CE Jr; et al, Invest Radiol 1991; **26:** 438

single-exposure dual-energy computed radiography: improved detection and processing, Ergun DL; Mistretta CA; Brown DE; Bystrianyk RT; Sze WK; Kelcz F; Naidich DP, Radiology 1990; **174:** 243

Radiography, digital

accuracy of digital radiography using stimulable phosphor for diagnosis of pneumothorax, Kehler M; Albrechtsson U; Andrésdóttir A; et al, Acta Radiol 1990; **31:** 47

analysis of the solitary pulmonary nodule by means of digital techniques, Chiles C; Sherrier RH, J Thorac Imag 1990; **5-1:** 55

artifacts in computed radiography, Solomon SL; Jost RG; Glazer HS; et al, AJR 1991; **157:** 181

assessment of digital chest radiography using stimulable phosphor, Kehler M; Albrechtsson U; Andersson B; et al, Acta Radiol 1989; **30:** 581

chest radiography: comparison of high-resolution digital displays with conventional and digital film, Cox GG; Cook LT; McMillan JH; Rosenthal SJ; Dwyer SJ III, Radiology 1990; **176:** 771

clinical diagnosis from digital displays: preliminary findings of the St Mary's evaluation project, Dawood RM; Craig JOMC; Highman JH; et al, Clin Radiol 1989; **40:** 369

clinical evaluation of irreversible image compression: analysis of chest imaging with computed radiography, Ishigaki T; Sakuma S; Ikeda M; Itoh Y; Suzuki M; Iwai S, Radiology 1990; **175:** 739

clinical experience in the use of photostimulable phosphor radiographic system, Murphey MD; Huang HKB; Siegel EL; et al, Invest Radiol 1991; **26:** 590

comparison of 2048-line digital display formats and conventional radiographs: an ROC study, Hayrapetian A; Aberle DR; Huang HK; et al, AJR 1989; **152:** 1113

comparison of digital and conventional musculoskeletal radiography: an observer performance study, Wegryn SA; Piraino DW; Richmond BJ; Schluchter MD; Uetani M; Freed HA; Meziane MA; Belhobek GA, Radiology 1990; **175:** 225

comparison of digital and conventional musculoskeletal radiography: observer performance study, Bramble JM; Murphey MD, Radiology 1990; **177:** 587

comparison of digital and conventional musculoskeletal radiography: observer performance study: reply, Wegryn SA; Piraino DW, Radiology 1990; **177:** 588

comparison of dual-energy and conventional chest radiography for nodule detection, Ho J-T; Kruger RA, Invest Radiol 1989; **24:** 861

comparison of dual-energy digital radiography and screen-film imaging in the detection of subtle interstitial pulmonary disease, Barnes GT; Sabbagh EA; Chakraborty DP; et al, Invest Radiol 1989; **24:** 585

computed radiography in neonatal intensive care, Merlo L; Bighi S; Cervi PM; et al, Pediatr Radiol 1991; **21:** 94

computer-simulated lung nodules in digital chest radiographs for detection studies, Yocky DA; Seeley GW; Ovitt TW; et al, Invest Radiol 1990; **25:** 902

current status of digital projectional radiography of the chest, Aberle DR; Hansell DM; Huang HK, J Thorac Imag 1990; **5-1:** 10

data compression: effect on diagnostic accuracy in digital chest radiography, MacMahon H; Doi K; Sanada S; Montner SM; Giger ML; Metz CE; Nakamori N; Yin F-F; Xu X-W; Yonekawa H; Takeuchi H, Radiology 1991; **178:** 175

description and appraisal of a prototype digital fluorographic system, Fowler RC; Bonsor G; Lintott DJ, Clin Radiol 1989; **40:** 508

design and implementation of full-frame, bit-allocation image-compression hardware module: work in progress, Ho BKT; Chao J; Zhu P; Huang HK, Radiology 1991; **179:** 563

design and testing of artifact-suppressed adaptive histogram equalization: a contrast-enhancement technique for display of digital chest radiographs, Rehm K; Seeley GW; Dallas WJ; et al, J Thorac Imag 1990; **5-1:** 85

detection and measurement of simulated early rheumatoid lesions of the hand using digital subtraction radiography, Bolander ME; Gardiner J; Coyle J; et al, Invest Radiol 1990; **25:** 708

detection of pneumothorax: comparison of digital and conventional chest imaging, Fajardo LL; Hillman BJ; Pond GD; et al, AJR 1989; **152:** 475

detector for scanned projection radiography, Sones RA; Lauro KL; Cattell CL, Radiology 1990; **175:** 553

digital chest radiography with a large image intensifier: an ROC study with an anthropomorphic phantom, Månsson L-G; Kheddache S; Börjesson J; et al, Eur J Radiol 1989; **9:** 208

digital chest radiography with a large image intensifier: evaluation of diagnostic performance and patient exposure, Månsson LG; Kheddache S; Schlossman D; et al, Acta Radiol 1989; **30:** 337

digital fluoroscopy and radiography system: technical description and clinical examples, Cox GG; Templeton AW; McMillan JH; Wetzel LH; Lee KR, Radiographics 1990; **10:** 491

digital imaging of the chest, Fraser RG; Sanders C; Barnes GT; MacMahon H; Giger ML; Doi K; Templeton AW; Cox GG; Dwyer SJ III; Merritt CRB; Jones JP, Radiology 1989; **171:** 297

digital imaging of the chest, DeForest SE, Radiology 1990; **174:** 575

digital imaging of the chest: reply, Fraser RG; Barnes GT; MacMahon H, Radiology 1990; **174:** 576

digital imaging of the newborn chest, Cohen MD; Long B; Cory DA; et al, Clin Radiol 1989; **40:** 365

digital imaging with a photostimulable phosphor in the chest of newborns, Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B, Radiology 1991; **181:** 829

digital imaging workstation, Arenson RL; Chakraborty DP; Seshadri SB; Kundel HL, Radiology 1990; **176:** 303

digital luminescence mammography: early clinical experience, Jarlman O; Samuelsson L; Braw M, Acta Radiol 1991; **32:** 110

digital luminescence radiography in interstitial lung disease: a receiver operating characteristics (ROC) analysis, Kehler M; Albrechtsson U; Andrésdóttir A; et al, Acta Radiol 1991; **32:** 18

digital mammography: a comparison of two digitization methods, Kimme-Smith C; Bassett LW; Gold RH; et al, Invest Radiol 1989; **24:** 869

digital mobile radiography, Sagel SS; Jost RG; Glazer HS; et al, J Thorac Imag 1990; **5-1:** 36

digital radiography, McMillan JH; Huang HKB; Bramble JM; et al, Invest Radiol 1989; **24:** 735

digital radiography: uses and limitations of the method, Novak DL; Bates BF, AJR 1989; **152:** 870

digital skeletal radiography: spatial resolution requirements for detection of subperiosteal resorption, Murphey MD, AJR 1989; **152:** 541

digital storage phosphor imaging versus conventional film radiography in CT-documented chest disease, Schaefer CM; Greene RE; Oestmann JW; Hall DA; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1990; **174:** 207

digital tomosynthesis: phantom and patient studies with a prototype unit, Rimkus DS; Gill BM; Baily NA; et al, Comput Med Imag Graph 1989; **13:** 307

digitized film radiography, Cook LT; Giger ML; Wetzel LH; et al, Invest Radiol 1989; **24:** 910

dynamic digital subtraction evaluation of regional pulmonary ventilation with nonradioactive xenon, Lam KL; Chan H-P; MacMahon H; et al, Invest Radiol 1990; **25:** 728

dynamic imaging of pulmonary ventilation: description of a novel digital fluoroscopic system, Kiuru A; Svedström E; Kuuluvainen I, Acta Radiol 1991; **32:** 114

dynamic imaging of pulmonary ventilation in children using digital subtraction radiography, Svedström EJ; Kiuru A; Puhakka HJ, Acta Radiol 1990; **31:** 53

effect of heart-size parameters computed from digital chest radiographs on detection of cardiomegaly: potential usefulness for computer-aided diagnosis, Nakamori N; Doi K; MacMahon H; et al, Invest Radiol 1991; **26:** 546

effect of scatter reduction on the signal-to-noise ratio in computed radiography, Miettunen RH; Korhola OA, Eur J Radiol 1991; **12:** 167

enhancement and compression of digital chest radiographs, Cohn M; Trefler M; Young TY, J Thorac Imag 1990; **5-1:** 92

evaluation of contrast dose reduction for excretory urography using computed radiography, Strautman PR; Fajardo LL; Hillman BJ; et al, Eur J Radiol 1989; **9:** 60

hardware and software artifacts in storage phosphor radiography, Oestmann JW; Prokop M; Schaefer CM; Galanski M, Radiographics 1991; **11:** 795

high frequency edge enhancement in the detection of fine pulmonary lines: parity between storage phosphor digital images and conventional chest radiography, Oestmann JW; Greene R; Rubens JR; et al, Invest Radiol 1989; **24:** 643

high-resolution digital imaging with storage phosphors, Fuhrman CR; Gur D; Schaetzing R, J Thorac Imag 1990; **5-1:** 21

impact of postprocessing on the detection of simulated pulmonary nodules with digital radiography, Oestmann JW; Rubens JR; Bourgouin PM; et al, Invest Radiol 1989; **24:** 467

improved control of image optical density with low-dose digital and conventional radiography in bedside imaging, Schaefer CM; Greene RE; Oestmann JW; Kamalsky JM; Hall DA; Llewellyn HJ; Robertson CL; Rhea JT; Rosenthal H; Rubens JR; Shepard JO; Templeton PA, Radiology 1989; **173:** 713

ink jet printing of digital radiographs, Johansson T; Nilsson J; Holmer N-G; et al, Acta Radiol 1990; **31:** 108

interactive grayscale display workstations, Siegel EL; Rosenthal SJ; Gold RE; et al, Invest Radiol 1991; **26:** 479

interstitial lung disease: impact of postprocessing in digital storage phosphor imaging, Schaefer CM; Greene RE; Llewellyn HJ; Mrose HE; Pile-Spellman EA; Rubens JR; Lindemann SR, Radiology 1991; **178:** 733

intraoperative arteriography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Pond GD; Seeley GW; Ovitt TW; Chernin MM; Yoshino MT; Roehrig H; McIntyre KE, Radiology 1989; **170:** 367

low dose imaging of scoliosis: use of a computed radiographic imaging system, Kogutt MS; Warren FH; Kalmar JA, Pediatr Radiol 1989; **20:** 85

mediastinal abnormalities: detection with storage phosphor digital radiography, Schaefer CM; Greene RE; Hall DA; Lindemann SR; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1991; **178:** 169

method for digitizing radiographic images, Korhola O, Acta Radiol 1990; **31:** 317

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; **174:** 915

nondisplaced fractures: spatial resolution requirements for detection with digital skeletal imaging, Murphey MD; Bramble JM; Cook LT; Martin NL; Dwyer SJ III, Radiology 1990; **174:** 865

pediatric digital chest imaging, Tarver RD; Cohen M; Broderick NJ; et al, J Thorac Imag 1990; **5-1:** 31

photostimulable phosphor digital radiography of the extremities: diagnostic accuracy compared with conventional radiography, Wilson AJ; Mann FA; Murphy WA Jr; et al, AJR 1991; **157:** 533

preliminary experience with portable digital imaging for intensive care radiography, Marglin SI; Rowberg AH; Godwin JD, J Thorac Imag 1990; **5-1:** 49

quantitative assessment of quality of digitized portal images: receiver operating characteristic analysis applied to imaging in radiation therapy, Okajima K; Nakata M; Yano S; Nagata Y; Kimura I; Nakano Y; Abe M, Radiology 1991; **181:** 273

radiographic reporting directly from the TV monitor of a digital chest radiography system, Kheddache S; Tylén U; Schlossman D, Eur J Radiol 1991; **13:** 72

radiological image compression using full-frame cosine transform with adaptive bit-allocation, Chan KK; Lou S-L; Huang HK, Comput Med Imag Graph 1989; **13:** 153

readability of cervical spine imaging: digital versus film/screen radiographs, Kreipke DL; Silver DI; Tarver RD; et al, Comput Med Imag Graph 1990; **14:** 119

real-time digital contrast enhancement and magnification in the assessment of acute elbow injuries, Holland P; Davies AM; Morris E; et al, Br J Radiol 1991; **64:** 591

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; **174:** 775

report-coding system for integration into a digital radiology department, Bramble JM; Chang CHJ; Martin NL, AJR 1989; **152:** 1109

roles of film in an increasingly computerized world, Vizy KN, Invest Radiol 1989; **24:** 503

scatter compensation in digital chest radiography using Fourier deconvolution, Floyd CE; Beatty PT; Ravin CE, Invest Radiol 1989; **24:** 30

scatter fractions in AMBER imaging, Chotas HG; Floyd CE Jr; Dobbins JT III; Lo JY; Ravin CE, Radiology 1990; **177:** 879

screening for asbestos-related pleural disease with digital storage phosphor radiography, Schaefer CM; Greene RE; Oliver LC; et al, Invest Radiol 1990; **25:** 645

single-exposure dual-energy computed radiography: improved detection and processing, Ergun DL; Mistretta CA; Brown DE; Bystrianyk RT; Sze WK; Kelcz F; Naidich DP, Radiology 1990; **174:** 243

"single-exposure" dual energy digital radiography in the detection of pulmonary nodules and calcifications, Oestmann JW; Greene R; Rhea JT; et al, Invest Radiol 1989; **24:** 517

small object contrast in AMBER and conventional chest radiography, Chotas HG; Van Metter RL; Johnson GA; Ravin CE, Radiology 1991; **180:** 853

state-of-the-art digital radiography, Lee KR; Siegel EL; Templeton AW; Dwyer SJ III; Murphey MD; Wetzel LH, Radiographics 1991; **11:** 1013

state-of-the-art digital radiography: invited commentary, Ritenour ER, Radiographics 1991; **11:** 1026

storage phosphor versus screen-film radiography: effect of varying exposure parameters and unsharp mask filtering on the detectability of cortical bone defects, Prokop M; Galanski M; Oestmann JW; von Falkenhausen U; Rosenthal H; Reimer P; Nischelsky J; Reichelt S, Radiology 1990; **177:** 109

thoracic radiology. RSNA '88 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Miller WT; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1989; **170:** 607

thoracic radiology. RSNA '89 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1990; **174:** 596

thoracic radiology: RSNA '90 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Schaefer C; Spirn PW; Stark P, Radiology 1991; **178:** 916

variable compensation technique for digital radiography of the chest, Dobbins JT III; Powell AO, Radiology 1989; **173:** 451

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bone mass in healthy children: measurement with quantitative DXA, Southard RN; Morris JD; Mahan JD; Hayes JR; Torch MA; Sommer A; Zipf WB, Radiology 1991; **179:** 735

chest radiographs in the evaluation of the febrile infant, Patterson RJ; Bisset GS III; Kirks DR; et al, AJR 1990; **155:** 833

clinical usefulness of teleradiology of neonates: expanded services without expanded staff, Slovis TL; Guzzardo-Dobson PR, Pediatr Radiol 1991; **21:** 333

comparison of a PACS workstation with conventional film for interpretation of neonatal examinations: a paired comparison study, Franken EA Jr; Smith WL; Berbaum KS; et al, Pediatr Radiol 1991; **21:** 336

comparison of iohexol with barium in gastrointestinal studies of infants and children, Cohen MD; Towbin RB; Baker S; et al, AJR 1991; **156:** 345

comparison of plain radiographs and coronal CT scans in infants and children with recurrent sinusitis, McAlister WH; Lusk R; Muntz HR, AJR 1989; **153:** 1259

computed radiography in neonatal intensive care, Merlo L; Bighi S; Cervi PM; et al, Pediatr Radiol 1991; **21:** 94

digital imaging of the newborn chest, Cohen MD; Long B; Cory DA; et al, Clin Radiol 1989; **40:** 365

digital imaging with a photostimulable phosphor in the chest of newborns, Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B, Radiology 1991; **181:** 829

efficacy of chest radiography in pediatric intensive care, Sivit CJ; Taylor GA; Hauser GJ; et al, AJR 1989; **152:** 575

pediatric digital chest imaging, Tarver RD; Cohen M; Broderick NJ; et al, J Thorac Imag 1990; **5-1:** 31

radiation dose to neonates on a Special Care Baby Unit, Faulkner K; Barry JL; Smalley P, Br J Radiol 1989; **62:** 230

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combination of multiple pencil-beam imaging to computed storage phosphor radiography: a new method, Miettunen R; Korhola O; Bondestam S; et al, Eur J Radiol 1991; **12:** 161

hardware and software artifacts in storage phosphor radiography, Oestmann JW; Prokop M; Schaefer CM; Galanski M, Radiographics 1991; **11:** 795

mediastinal abnormalities: detection with storage phosphor digital radiography, Schaefer CM; Greene RE; Hall DA; Lindemann SR; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1991; **178:** 169

storage phosphor versus screen-film radiography: effect of varying exposure parameters and unsharp mask filtering on the detectability of cortical bone defects, Prokop M; Galanski M; Oestmann JW; von Falkenhausen U; Rosenthal H; Reimer P; Nischelsky J; Reichelt S, Radiology 1990; **177:** 109

Radiography, technology

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AAPM tutorial: contrast and scatter in x-ray imaging, Barnes GT, Radiographics 1991; **11:** 307

accuracy of dual-energy radiographic absorptiometry of the lumbar spine: cadaver study, Ho CP; Kim RW; Schaffler MB; Sartoris DJ, Radiology 1990; **176:** 171

accurate automatic exposure controller for mammography: design and performance, Frederick EE; Squillante MR; Cirignano LJ; Hahn RW; Entine G, Radiology 1991; **178:** 393

assessment and comparison of chest radiography techniques in the United States and Sweden, Leitz WK; Hedberg-Vikström BRK; Conway BJ; et al, Br J Radiol 1990; **63:** 33

barium meals in the elderly—a quality reassurance, Hawkins SP; Rowlands PC; Shorvon PJ, Br J Radiol 1991; **64:** 113

clinical applications of high-definition microfocal radiography, Buckland-Wright JC; Bradshaw CR, Br J Radiol 1989; **62:** 209

clinical evaluation of irreversible image compression: analysis of chest imaging with computed radiography, Ishigaki T; Sakuma S; Ikeda M; Itoh Y; Suzuki M; Iwai S, Radiology 1990; **175:** 739

combination of multiple pencil-beam imaging to computed storage phosphor radiography: a new method, Miettunen R; Korhola O; Bondestam S; et al, Eur J Radiol 1991; **12:** 161

commentary on the development of diagnostic imaging technology, Angus WM, Radiographics 1989; **9:** 1225

comparison of scanning equalization and conventional chest radiography, Wandtke JC; Plewes DB, Radiology 1989; **172:** 641

data compression: effect on diagnostic accuracy in digital chest radiography, MacMahon H; Doi K; Sanada S; Montner SM; Giger ML; Metz CE; Nakamori N; Yin F-F; Xu X-W; Yonekawa H; Takeuchi H, Radiology 1991; **178:** 175

detector for scanned projection radiography, Sones RA; Lauro KL; Cattell CL, Radiology 1990; **175:** 553

digital fluoroscopy and radiography system: technical description and clinical examples, Cox GG; Templeton AW; McMillan JH; Wetzel LH; Lee KR, Radiographics 1990; **10:** 491

effect of scatter reduction on the signal-to-noise ratio in computed radiography, Miettunen RH; Korhola OA, Eur J Radiol 1991; **12:** 167

elimination of electrostatic discharges in automatic daylight film processor systems. a simple, cost-effective solution: technical note, Asp T; Göthlin JH, Eur J Radiol 1989; **9:** 142

experimental design of medical imaging trials: issues and options, Begg CB, Invest Radiol 1989; **24:** 934

fetal necrogram: a new technique: experience with 12,000 contrast examinations, Hawass N-E-D; Al-Badawi MG; Fatani JA; et al, Invest Radiol 1989; **24:** 711

improved control of image optical density with low-dose digital and conventional radiography in bedside imaging, Schaefer CM; Greene RE; Oestmann JW; Kamalsky JM; Hall DA; Llewellyn HJ; Robertson CL; Rhea JT; Rosenthal H; Rubens JR; Shepard JO; Templeton PA, Radiology 1989; **173:** 713

mattress suitable for use with tilting tables in a radiology department, Cameron D, Australas Radiol 1991; **35:** 79

multiple-beam equalization radiography in chest radiology: image quality and radiation dose considerations, Axelsson B; Forsberg H; Hansson B; et al, Acta Radiol 1991; **32:** 12

new electronic displays and their possibilities for radiology, Kazan B, Invest Radiol 1989; **24:** 817

new high-definition microfocal x-ray unit, Buckland-Wright JC, Br J Radiol 1989; **62:** 201

physical evaluation of the imaging performance of a high-resolution fluorography system, Cowen AR, Br J Radiol 1989; **62:** 999

quantitative assessment of a new dental imaging system, Walker A; Horner K; Czajka J; et al, Br J Radiol 1991; **64:** 529

quantitative dual-energy radiographic absorptiometry of the lumbar spine: in vivo comparison with dual-photon absorptiometry, Borders J; Kerr E; Sartoris DJ; Stein JA; Ramos E; Moscona AA; Resnick D, Radiology 1989; **170:** 129

radiography transculcitam: technique and devices to simplify bedside radiography, Möller A, Radiology 1991; **179:** 283

reducing lens—an important but underused tool, Stark P; Harle T, Invest Radiol 1989; **24:** 721

screen-film-processing systems for medical radiography: a historical review, Haus AG; Cullinan JE, Radiographics 1989; **9:** 1203

single-exposure dual-energy computed radiography: improved detection and processing, Ergun DL; Mistretta CA; Brown DE; Bystrianyk RT; Sze WK; Kelcz F; Naidich DP, Radiology 1990; **174:** 243

sketch of the technical history of radiology from 1896 to 1920, Feldman A, Radiographics 1989; **9:** 1113

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state-of-the-art digital radiography: invited commentary, Ritenour ER, Radiographics 1991; **11:** 1026

storage phosphor versus screen-film radiography: effect of varying exposure parameters and unsharp mask filtering on the detectability of cortical bone defects, Prokop M; Galanski M; Oestmann JW; von Falkenhausen U; Rosenthal H; Reimer P; Nischelsky J; Reichelt S, Radiology 1990; **177:** 109

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thoracic radiology. RSNA '89 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1990; **174:** 596

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World Health Organization—basic radiographic system (WHO–BRS) unit: experimental clinical evaluation, Viamonte M; Martinez LO; Hanson G; et al, Clin Radiol 1990; **41:** 321

Radiological Society of North America

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conclusion. *RadioGraphics* monograph: the technical history of radiology, Balter S; Tuddenham WJ, Radiographics 1989; **9:** 1283

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James Picker (1882–1963): lest we forget!, Pendergrass HP, Radiology 1991; **180:** 871

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Radiological Society of North America, Inc, 1965–1989: a quarter century of rapid growth and progress, Campbell RE, Radiology 1990; **175:** 1

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RSNA and ASNR: a decade of collaboration, Zylak CJ; Hasso AN, Radiology 1991; **179:** 578

RSNA today video, Houser OW; Kricheff II, Radiology 1989; **173:** 268

seventy-five years of the RSNA, approaching a century of radiology: museum and information resources, Knight N, Radiographics 1989; **9:** 1101

William W. Olmsted, MD, new editor, *RadioGraphics*, Houser OW, Radiology 1989; **172:** 875

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breast imaging. RSNA '88 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1989; **170:** 599

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computer applications and digital imaging: RSNA '88 meeting notes, Arenson RL; Dwyer SJ III, Radiology 1989; **170:** 916

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general case of the day: annual meeting, 1988, Belton RL; Danahy S; VanZandt TF, Radiographics 1989; **9:** 766

general case of the day: annual meeting, 1988, Rubens DJ; Talarico HP; Zaepfel AC; VanZandt TF, Radiographics 1989; **9:** 964

genitourinary radiology. RSNA '88 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM, Radiology 1989; **170:** 601

head and neck radiology. RSNA '88 meeting notes, Som PM; Curtin HD; Lufkin RB; Holliday RA; Reede DL, Radiology 1989; **170:** 603

image interpretation session, Ferris EJ; Harmon BH; Tonkin ILD; Edeiken BS; Becker GJ; Pfister RG; Osborn AG, Radiographics 1989; **9:** 85

magnetic resonance: RSNA '88 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM; Meaney TF, Radiology 1989; **170:** 912

musculoskeletal radiology: RSNA '88 meeting notes, Murphy WA Jr; Dalinka MK; Lodwick GS; Totty WG; Vogler JB III, Radiology 1989; **170:** 913

neuroradiology: RSNA '88 meeting notes, Kieffer SA; Latchaw RE; Leeds NE; Modic MT; Naidich TP; Pressman BD; Segall HD; Smoker WRK; Tenner M; Williams AL; Zimmerman RD, Radiology 1989; **170:** 906

nuclear medicine. RSNA '88 meeting notes, Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM, Radiology 1989; **170:** 604

oncology/radiation therapy: RSNA '88 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1989; **170:** 917

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pediatric case of the day: annual meeting, 1988, Fernbach SK; Gore MD; Poznanski AK, Radiographics 1989; **9:** 774

pediatric case of the day: annual meeting, 1988, Fernbach SK; Poznanski AK, Radiographics 1989; **9:** 968

pediatric radiology. RSNA '88 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; Miller JH; Slovis TL, Radiology 1989; **170:** 600

RSNA '88: 74th scientific assembly and annual meeting notes: Part 1, Radiology Radiology 1989; **170:** 593

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RSNA '88: focus on technical exhibits, (ab), Gray JE, Radiology 1989; **172:** 592

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ultrasonography: RSNA '88 meeting notes, Merritt CRB; Carroll BA; Lawson TL; Mack LA, Radiology 1989; **170:** 915

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ultrasound case of the day: annual meeting, 1988, Needleman L; Wechsler RJ; Kurtz AB, Radiographics 1989; **9:** 769

ultrasound case of the day: annual meeting, 1988, Segal S; Feld R; Kurtz AB, Radiographics 1989; **9:** 959

Radiological Society of North America, 75th scientific assembly and annual meeting

abdominal-gastrointestinal radiology. RSNA '89 meeting notes, Balfe DM; Koehler RE; Lichtenstein JE, Radiology 1990; **174:** 602

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cardiac radiology. RSNA '89 meeting notes, Youker JE; Baron MG; Gomes AS; Higgins CB; Soulen RL, Radiology 1990; **174:** 598

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

computer applications and digital imaging: RSNA '89 meeting notes, Arenson RL; Dwyer SJ III; Chakraborty DP; Seshadri SB, Radiology 1990; **174:** 917

general case of the day, Cordeau M-P; Prosmanne O; Robillard P, Radiographics 1990; **10:** 114

general case of the day, Vezina JL; Tampieri D, Radiographics 1990; **10:** 364

general case of the day, Samson L; Chalaoui J; Paradis B, Radiographics 1990; **10:** 508

general case of the day, Miron M-C; Dussault RG; Robillard P, Radiographics 1990; **10:** 735

general case of the day, Chalaoui J; Samson L; Robillard P; Constantin A; Dussault RG, Radiographics 1990; **10:** 957

general case of the day, Laperrière J; Lafortune M, Radiographics 1990; **10:** 1105

genitourinary radiology. RSNA '89 meeting notes, Dunnick NR; Bettmann MA; Lang EK; McClennan BL; Newhouse JH; Rifkin MD; Sandler CM; Vogelzang RL, Radiology 1990; **174:** 603

head and neck radiology: RSNA '89 meeting notes, Som PM; Curtin HD; Reede DL; Holliday RA; Mancuso AA, Radiology 1990; **174:** 909

image interpretation session, Capp MP; Strautman PR; Wood BP; Modic MT; Kricun ME; Moss AA; Webb WR, Radiographics 1989; **9:** 973

image interpretation session, Capp MP; Strautman PR; Kricun ME; Modic MT; Moss AA; Webb WR; Wood BP, Radiographics 1990; **10:** 131

magnetic resonance: RSNA '89 meeting notes, Bryan RN; Ehman RL; Hricak H; Kressel HY; Mawad MM, Radiology 1990; **174:** 913

musculoskeletal radiology: RSNA '89 meeting notes, Murphy WA Jr; Conway WF; Kaplan PA; Lodwick GS; Mitchell DG, Radiology 1990; **174:** 915

neuroradiology: RSNA '89 meeting notes, Segall HD; Byrd SE; Enzmann DR; Fox AJ; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Naidich TP; Quencer RM; Sze GK; Tenner MS; Wolpert SM; Zimmerman RD, Radiology 1990; **174:** 910

nuclear medicine. RSNA '89 meeting notes, Mettler FA Jr; Hartshorne MF; Miller TR; Spies WG; Tumeh SS, Radiology 1990; **174:** 607

pediatric case of the day, Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT, Radiographics 1990; **10:** 119

pediatric case of the day, Burton EM; Boulden TF; Magill HL; Seidel FG; Brooks MT; Hanna SL, Radiographics 1990; **10:** 372

pediatric case of the day, Magill HL; Hanna SL; Brooks MT; Jenkins JJ III; Burton EW; Boulden TF; Seidel FG, Radiographics 1990; **10:** 515

pediatric case of the day, Seidel FG; Magill HL; Burton EM; Boulden TF; Brooks MT; Hanna SL, Radiographics 1990; **10:** 728

pediatric case of the day, Hanna SL; Magill HL; Brooks MT; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 945

pediatric case of the day, Brooks MT; Magill HL; Hanna SL; Fletcher BD; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 1096

pediatric radiology. RSNA '89 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; McAlister WH; Miller JH; Slovis TL; Wood BP, Radiology 1990; **174:** 600

Radiological Society of North America 75th scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Campbell RE, Radiology 1989; **172:** 575

Radiological Society of North America, Inc, 1965–1989: a quarter century of rapid growth and progress, Campbell RE, Radiology 1990; **175:** 1

RSNA '89: 75th scientific assembly and annual meeting notes: part 1, RSNA officers for 1990, Radiology Radiology 1990; **174:** 594

technical exhibits: RSNA '89 meeting notes, Gray JE; Barnes GT; Morin RL, Radiology 1990; **174:** 916

thoracic radiology. RSNA '89 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1990; **174:** 596

ultrasonography. RSNA '89 meeting notes, Merritt CRB; Lawson TL; Cooperberg PL, Radiology 1990; **174:** 604

ultrasound case of the day, Morton MJ; Carlon JC; Charboneau JW, Radiographics 1990; **10:** 117

ultrasound case of the day, Lee RA; Lewis BD, Radiographics 1990; **10:** 369

ultrasound case of the day, Reading CC; Charboneau JW, Radiographics 1990; **10:** 511

ultrasound case of the day, Bond JR; Charboneau JW; Stanson AW, Radiographics 1990; **10:** 725

ultrasound case of the day, Lee RA; Charboneau JW, Radiographics 1990; **10:** 954

ultrasound case of the day, King BF; Hattery RR, Radiographics 1990; **10:** 1101

Radiological Society of North America, 76th scientific assembly and annual meeting

abdominal-gastrointestinal radiology: RSNA '90 meeting notes, Balfe DM; Chezmar J; Koehler RE; Lichtenstein JE; Nelson R, Radiology 1991; **178:** 911

award-winning scientific exhibits: 1990, Olmsted WW, Radiographics 1991; **11:** 165

breast imaging. RSNA '90 meeting notes, Sickles EA; Ackerman LV; Ikeda DM; Kimme-Smith C, Radiology 1991; **178:** 597

cardiac radiology. RSNA '90 meeting notes, Youker JE; Baron MG; Gomes AS; Herfkens RJ; Higgins CB; Pettigrew R; Soulen RL, Radiology 1991; **178:** 605

cardiovascular/interventional radiology: RSNA '90 meeting notes, Hunter DW; Castañeda F; Cragg AH; Darcy MD; Hu X; Longley DG; Martin LG; Matalon T; Steinberg F; Stillman A; Thorpe P; Vogelzang RL, Radiology 1991; **178:** 918

computer applications and digital imaging: RSNA '90 meeting notes, Arenson RL; Dwyer SJ III; Huang HK; Kundel HL; Seshadri SB, Radiology 1991; **178:** 913

general case of the day, Cáceres J; Mata JM; Lucaya J; Palmer J; Donoso L, Radiographics 1991; **11:** 161

general case of the day, Vilar JS; Martí-Bonmati L; Poyatos CR; Ferrer R, Radiographics 1991; **11:** 333

general case of the day, Pérez CM; Llauger J; Donoso L; Martinez-Noguera A, Radiographics 1991; **11:** 506

general case of the day, Mata JM; Cáceres J; Senac JP; Giron J; Alegret X, Radiographics 1991; **11:** 716

general case of the day, Ruscalleda J; Coscojuela P; Guardia E; De Juan M, Radiographics 1991; **11:** 929

genitourinary radiology. RSNA '90 meeting notes, Dunnick NR; Bush WH; Choyke PL; Fernbach SK; Hartman DS; Rifkin MD; Roubidoux MA; Sandler CM, Radiology 1991; **178:** 600

head and neck radiology. RSNA '90 meeting notes, Som PM; Curtin HD; Holliday RA; Kassel E; Reede DL; Hasso AN, Radiology 1991; **178:** 599

image interpretation session, Osborn AG; Sobin LH; Buck JL; Davidson AJ; Kransdorf MJ; Moser RP Jr; Rosado de Christenson ML; Smirniotopoulos JG, Radiographics 1991; **11:** 133

image interpretation session: Sunday, November 25, 1990, Osborn AG; Sobin LH; Armstrong P; Norman D; Hillman BJ; Manaster BJ; Siegel MJ, Radiographics 1990; **10:** 883

*info*RAD: informatics in radiology: past and future, Staab EV, Radiographics 1991; **11:** 218

magnetic resonance: RSNA '90 meeting notes, Ehman RL; Bryan RN; Crues JV; Hricak H; Kressel HY; Lenkinski RE; Mitchell DG; Moseley ME; Riederer SJ; Ross JR, Radiology 1991; **178:** 907

musculoskeletal radiology: RSNA '90 meeting notes, Murphy WA Jr; Conway WF; De Smet AA; Kaplan PA; Kneeland JB, Radiology 1991; **178:** 914

neuroradiology: RSNA '90 meeting notes, Segall HD; Daniels DL; Fitz CR; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Maravilla KR; Quencer RM; Rosenbaum AE; Russell EJ; Sze GK; Tenner MS; Yuh WTC; Zimmerman RD, Radiology 1991; **178:** 902

nuclear medicine. RSNA '90 meeting notes, Mettler FA Jr; Miller TR; Spies WG, Radiology 1991; **178:** 601

pediatric case of the day, Dangman BC; Griscom NT, Radiographics 1991; **11:** 156

pediatric case of the day, Nimkin K; Griscom NT, Radiographics 1991; **11:** 338

pediatric case of the day, Preston AA; Griscom NT, Radiographics 1991; **11:** 501

pediatric case of the day, Wootton SL; Rowen SJ; Griscom NT, Radiographics 1991; **11:** 719

pediatric case of the day, Braverman RM; Lipshultz SE; McCarten KM; Griscom NT, Radiographics 1991; **11:** 932

pediatric radiology. RSNA '90 meeting notes, Wood BP; Bisset G III; McAlister W; Miller JH; Nelson MD Jr; Newman B; Slovis TL; Towbin R, Radiology 1991; **178:** 596

Radiological Society of North America 76th scientific assembly and annual meeting McCormick Place, Chicago, Illinois, Heitzman ER, Radiology 1990; **176:** 572

RSNA '90: 76th scientific assembly and annual meeting notes: part 1, RSNA officers for 1990, Radiology Radiology 1991; **178:** 594

RSNA Scientific Program revisited, Harwood-Nash DC, Radiology 1990; **174:** 241

technical exhibits: RSNA '90 meeting notes, Gray JE; Morin RL; Barnes GT, Radiology 1991; **178:** 910

thoracic radiology: RSNA '90 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Schaefer C; Spirn PW; Stark P, Radiology 1991; **178:** 916

ultrasonography. RSNA '90 meeting notes, Merritt CRB; Cooperberg PL; Lawson TL, Radiology 1991; **178:** 602

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 159

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 336

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 504

ultrasound case of the day, Warren LP Jr; Kliewer MA; Carroll BA, Radiographics 1991; **11:** 713

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 927

ultrasound case of the day, Carroll BA, Radiographics 1991; **11:** 1140

Radiological Society of North America, 77th scientific assembly and annual meeting

image interpretation session: Sunday, December 1, 1991, Harwood-Nash DC; Daneman A; Jeffrey RB; Pathria MN; Putnam CE; Scotti G, Radiographics 1991; **11:** 911

*info*RAD: informatics in radiology: *info*RAD at RSNA 1991, Staab EV, Radiographics 1991; **11:** 806

Radiological Society of North America, 77th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, Illinois, Zylak CJ, Radiology 1991; **180:** 567

walk through the week of RSNA '91, Radiology Radiology 1991; **181:** 297

Radiology and radiologists

AAPM tutorial: personal and public perceptions of radiation risks, Hendee WR, Radiographics 1991; **11:** 1109

academic radiology in the United States: 1955–1990, Margulis AR, Invest Radiol 1990; **25:** 324

academic radiology, turf conflict and antitrust laws, James AE Jr; Curran WJ; Pendergrass HP; et al, Invest Radiol 1990; **25:** 200

acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Brenner RJ; Sickles EA, Radiology 1989; **171:** 645

acceptability of periodic follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Jackson FI, Radiology 1989; **173:** 580

accident and emergency reporting in UK teaching departments, Beggs I; Davidson JK, Clin Radiol 1990; **41:** 264

American College of Radiology Mammography Accreditation Program, McLelland R; Hendrick RE; Zinninger MD; et al, AJR 1991; **157:** 473

analysis of the resource-based relative value scale for Medicare reimbursements to academic and community hospital radiology departments, Liang BA; Austin JHM; Alderson PO, Radiology 1991; **179:** 751

angiography in the 1990s: diagnosis and therapy, Picus D, Radiology 1990; **175:** 33

antitrust principles for radiologists, Reuter SR, AJR 1990; **155:** 1331

attitudes of American radiologists toward their practices: present and future, Brogdon BG; Heveron ED; Diamond JJ, AJR 1990; **154:** 867

autopsy-based study of diagnostic errors in geriatric and nongeriatric adult patients, (ab), Middleton K; Clarke E; Homann S; et al, Radiology 1990; **175:** 295

autoradiology: patient heal thyself, Gay SB; Selby JB Jr; Selby HG, AJR 1990; **154:** 871

books . . . and journals, Palmer PES, Radiology 1991; **181:** 282

can we administrate academics? preserving the biomedical research enterprise in medical imaging, James AE Jr; Partain CL; Heller RM; et al, Invest Radiol 1989; **24:** 815

cardiovascular and interventional radiology fellowship training programs, Ferris EJ; Baron MG; Becker GJ; Gardiner GA Jr; Levin D, Radiology 1989; **170:** 959

chief residency in radiology: results of a survey of A^{C}R^{2} members, Panicek DM; Caravelli JF, Invest Radiol 1989; **24:** 496

chronological history of the Society of Cardiovascular and Interventional Radiology from 1973 to 1989, Crummy AB, Radiology 1990; **174:** 932

clinical activities of pediatric radiologists in the United States and Canada: 10-year follow-up, Forman HP; Leonidas JC; Kirks DR, Radiology 1990; **175:** 127

communication problems after mammographic screening, Robertson CL; Kopans DB, Radiology 1989; **172:** 443

communication problems after mammographic screening, Edelstein G, Radiology 1989; **173:** 879

communication problems after mammographic screening, Monsees B; Destouet JM; Evens RG, Radiology 1990; **175:** 877

comparison of measured and perceived time values for radiologists' work: impact on relative value scales, Straub WH; Wolfe H, Radiology 1990; **174:** 557

computer applications in radiology education: a challenge for the 1990s, Tessler FN, AJR 1989; **152:** 1169

computer-based learning in radiology: a hypermedia application in CT, Hennessey JG; Fishman EK; Kuhlman JE; et al, AJR 1990; **155:** 1317

computer facilitation of the resident selection process, Frank MS; Sagel SS; Koehler RE, Invest Radiol 1990; **25:** 1040

computer use and education in radiology residency programs, Jones KM; Hunter TB; Boren WL, Invest Radiol 1990; **25:** 596

contributions of cognitive science and educational technology to training in radiology, Rubin A, Invest Radiol 1989; **24:** 729

contributions of engineering to advances in imaging technology in the 1990s, Brody WR, Invest Radiol 1991; **26:** 485

controversies in peripheral vascular intervention, Wholey MH, Radiology 1990; **174:** 929

corporate-sponsored breast cancer screening at the work site: results of a statewide program, Kessler HB; Rimer BK; Devine PJ; Gatenby RA; Engstrom PF, Radiology 1991; **179:** 107

current position of cardiac radiology in the United Kingdom, Murphy KP; Wilde P, Clin Radiol 1989; **40:** 455

current status of faculty staffing and resident training in emergency radiology: results of a survey, Klein A; Carson GC; Novelline RA; et al, Invest Radiol 1991; **26:** 86

current use of screening laboratory tests before abdominal interventions: a survey of 603 radiologists, Silverman SG; Coughlin BF; Seltzer SE; Swensson RG; Mueller PR, Radiology 1991; **181:** 669

danger or opportunity ahead?, Jackson FI, Radiology 1989; **171:** 581

decline of diagnostic radiology: call to action. 1989 Dotter lecture, Meaney TF, Radiology 1989; **172:** 889

developing an interventional radiology practice in a community hospital: the interventional radiologist as an equal partner in patient care, Katzen BT; Kaplan JO; Dake MD, Radiology 1989; **170:** 955

development of an effective short introductory course in diagnostic radiology, Messmer JM; Papp KK; Hurwitz J; et al, Invest Radiol 1989; **24:** 631

development of the first fellowship training program in neuroradiology in North America, Taveras JM, AJNR 1991; **12:** 587

diagnostic radiology around the world, Mettler FA; Haygood TM; Meholic AJ, Radiology 1990; **175:** 577

diagnostic radiology in Kuwait after the Iraqi occupation, Gray JE, Radiology 1991; **180:** 277

diagnostic radiology peer review: a method inclusive of all interpreters of radiographic examinations regardless of specialty, Hopper KD; Rosetti GF; Edmiston RB; Madewell JE; Beam LM; Landis JR; Miller KL; Ricci JA; McCauslin MA, Radiology 1991; **180:** 557

disposal of low-level radioactive waste, Brill DR, Invest Radiol 1991; **26:** 94

'do not resuscitate' order: a profile of its changing use, (ab), Jonsson PV; McNamee M; Campion EW, Radiology 1989; **172:** 296

do-not-resuscitate order: still too little too late, (ab), Gleeson K; Wise S, Radiology 1990; **177:** 600

do radiologists control imaging studies? survey results from 198 academic institutions, Levin DC; Matteucci T, Radiology 1989; **170:** 879

economic factors affecting practice of interventional radiology in the United States, Dorfman GS; Waltman AC, Radiology 1989; **172:** 895

economic impact of technology on diagnostic imaging at a university medical center, Evens RG, AJR 1989; **153:** 179

editor's page, Becker GJ, JVIR 1991; **2:** 181

editor's page: MR imaging inroads in the People's Republic of China, Fullerton GD, JMRI 1991; **1:** 273

editor's page: *Radiology's* most prolific reviewers, Siegelman SS, Radiology 1989; **173:** 217

effective audiovisual presentation, Sagel SS; Ramsey RG, AJR 1991; **156:** 181

effect of on-site facilities on use of diagnostic radiology by non-radiologists, Radecki SE; Steele JP, Invest Radiol 1990; **25:** 190

effect of radiology guidelines for general practitioners in Plymouth, De Vos Meiring P; Wells IP, Clin Radiol 1990; **42:** 327

environmental issues in radiology: control and disposal of hazardous wastes, Leavitt DD; Schiager KJ, Invest Radiol 1990; **25:** 942

Europe 1992: consequences for European health care and radiology, Schütte HE, AJR 1990; **155:** 1321

expansion of interventional radiology. report of a survey conducted by the Royal College of Radiologists, Wilkins RA; Nunnerley HB; Allison DJ; et al, Clin Radiol 1989; **40:** 457

factors influencing choice of academic or practice careers in radiology, Wood PS; Altmaier EM; Franken EA Jr; et al, Invest Radiol 1990; **25:** 675

federal regulation and reimbursement initiatives affecting academic radiology departments, Rogers LF; Linton OW, Invest Radiol 1990; **25:** 340

fellowship training for all?, Green CE, AJR 1990; **155:** 191

fifth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, Radiology 1989; **172:** 277

film-reporting session as a qualifying examination in diagnostic radiology, Munro TG; Pelz DM; Turnbull JM, J Canad Assoc Radiol 1990; **41:** 186

follow-up as an alternative to biopsy for mammographically detected lesions interpreted as probably benign, Hall FM, Radiology 1989; **173:** 284

fractals: physiologic complexity, scaling, and opportunities for imaging, Nelson TR, Invest Radiol 1990; **25:** 1140

fraud: the journal's role concerning fraudulent research, Sharp DW, Invest Radiol 1991; **26:** 586

future diagnostic radiology manpower needs, Maynard CD, Invest Radiol 1990; **25:** 335

future for radiological science? British Institute of Radiology Presidential Address 1990, Hill CR, Br J Radiol 1991; **64:** 289

generalists vs specialists: time to decide, Forrest JV, AJR 1991; **156:** 1277

gross anatomy instruction with diagnostic images, Erkonen WE; Albanese MA; Smith WL; et al, Invest Radiol 1990; **25:** 292

guidelines for percutaneous transluminal angioplasty, Standards of Practice Committee of the Society of Cardiovascular and Interventional Radiology, JVIR 1990; **1:** 5

guidelines for percutaneous transluminal angioplasty, Standards of Practice Committee of the Society of Cardiovascular and Interventional Radiology, Radiology 1990; **177:** 619

health outcomes research: its influence on clinical decision making and the development of new imaging technologies, Bucci VA, AJNR 1991; **12:** 397

how good are case notes in the audit of radiological investigations?, Charny MC; Roberts GM; Beck P; et al, Clin Radiol 1990; **42:** 118

how to evaluate the radiology literature, Black WC, AJR 1990; **154:** 17

impact and value of junior rotation in radiology, Chen MYM; Ott DJ; Richards B, Invest Radiol 1990; **25:** 1153

impact of pre-radiology clinical years on resident performance, Ellis JH; Vydareny KH; Bookstein FL; et al, Invest Radiol 1989; **24:** 568

impact of routine chest radiography on the management of patients admitted from an emergency service, White CS; Austin JHM; Lubetsky HW; et al, Invest Radiol 1990; **25:** 720

impact of the M1 air crash on the radiological services at the Queen's Medical Centre, Nottingham, McConachie NS; Wilson FMA; Preston BJ; et al, Clin Radiol 1990; **42:** 317

importance of daily rounds by the radiologist after interventional procedures of the abdomen and chest, Goldberg MA; Mueller PR; Saini S; Lee MJ; Girard MJ; Dawson SL; Hallisey MJ; Cortell ED; Hahn PF; Brink JA, Radiology 1991; **180:** 767

improving the adherence of urban women to mammography guidelines: strategies for radiologists, Fox SA; Klos DS; Worthen NJ; Pennington E; Bassett LW; Gold RH, Radiology 1990; **174:** 203

increasing coauthorship of scientific exhibits, Slone RM, Radiology 1991; **178:** 893

indiscriminate use of laser angioplasty, Strandness DE Jr; Barnes RW; Katzen B; Ring EJ, Radiology 1989; **172:** 945

influence of national attitudes on the use of radiotherapy in advanced and metastatic cancer, with particular reference to differences between the United Kingdom and the United States of America: implications for future studies, Maher EJ, Int J Radiat Oncol Biol Phys 1991; **20:** 1369

influences affecting radiologists' choices of academic or private practice careers, Hillman BJ; Fajardo LL; Witzke DB; Cardenas D; Irion M; Fulginiti JV, Radiology 1990; **174:** 561

info RAD: informatics in radiology: radiology and computer science?, Ackerman LV, Radiographics 1991; **11:** 1027

"International Pediatric Radiology '91", Kirks DR; Ringertz H, Radiology 1990; **176:** 878

International Society of Radiology and International Congress of Radiology, Tubiana M, Radiology 1989; **170:** 883

interobserver variation in the interpretation of abdominal radiographs, Markus JB; Somers S; Franic SE; Moola C; Stevenson GW, Radiology 1989; **171:** 69

joint course in emergency radiology for residents in radiology and in emergency medicine, Stubbs DM; Mundy WM, Invest Radiol 1990; **25:** 1261

Knox lecture: radiology and the law, Craig JOMC, Clin Radiol 1989; **40:** 343

logistics of a university interventional radiology practice, White RI Jr; Denny DF Jr; Osterman FA Jr; Greenwood LH; Wilkinson LA, Radiology 1989; **170:** 951

maintenance of competence in radiology, Rankin RN, J Canad Assoc Radiol 1990; **41:** 121

mammography registry: considerations and options, Clark RA; King PS; Worden JK, Radiology 1989; **171:** 91

medical malpractice claims in diagnostic radiology: update, Dahlen RT; Foley HT, Radiology 1989; **170:** 277

medical student attitudes toward radiology: a multi-institutional survey, Blane CE; Ten Haken JD; Vydareny KH; et al, Invest Radiol 1989; **24:** 77

medical student perceptions of diagnostic radiology: influence of a senior radiology elective, Sallee DS; Cooper C; Ravin CE, Invest Radiol 1989; **24:** 724

medicolegal encounters in Canadian radiology, Morrish HF; Messenger OJ, J Canad Assoc Radiol 1990; **41:** 259

mini-fellowship in teaching: a senior resident elective, Troupin RH, Invest Radiol 1990; **25:** 751

National Study of Internal Medicine Manpower. XII. the future of graduate medical education in internal medicine: what do program directors predict?, (ab), Aday LA; Andersen RM; Levey GS; et al, Radiology 1989; **170:** 295

national training of radiotherapists in Sri Lanka and Zimbabwe: priorities and strategies for cancer control in developing countries, Stjernswärd J, Int J Radiat Oncol Biol Phys 1990; **19:** 1275

new competitive strategies for the practice of radiology in a changing economic environment, Young SW, AJR 1989; **153:** 1091

new tools of the trade, Reamer LA, Radiology 1990; **174:** 923

"nonspecific gas pattern", Bohrer SP, Radiology 1989; **173:** 283

not density! are you dense?, Bowen A, Radiology 1990; **176:** 582

not density! are you dense?: reply, Davis M, Radiology 1990; **176:** 582

on teaching radiology to medical students: challenges for the nineties, Squire LF, AJR 1989; **152:** 457

optimizing radiologic costs in the DRG environment, Henschke CI; Saint-Louis LA; Balter S; et al, Invest Radiol 1990; **25:** 194

optimum utilisation of radiological tests: the radiologist as advisor, Armstrong P; Black WC, Clin Radiol 1989; **40:** 444

overview of cancer management by radiotherapy in anglophone West Africa, Durosinmi-Etti FA, Int J Radiat Oncol Biol Phys 1990; **19:** 1263

overview of the situation in radiotherapy with emphasis on the developing countries, Hanson GP; Stjernswärd J; Nofal M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1257

patient expectations of radiology in noninteractive encounters, Smith WL; Altmaier EM; Ross RR; Johnson BD; Berberoglu LS, Radiology 1989; **172:** 275

performance and consultation patterns in pulmonary radiology, Nath H; Sanders C; Frank M; et al, Invest Radiol 1990; **25:** 1251

periodic mammographic follow-up of probably benign lesions: results in 3,184 consecutive cases, Sickles EA, Radiology 1991; **179:** 463

periodic mammographic follow-up of probably benign lesions, de Waal JC, Radiology 1991; **181:** 608

periodic mammographic follow-up of probably benign lesions, Sayler CB, Radiology 1991; **181:** 904

periodic mammographic follow-up of probably benign lesions: reply, Sickles EA, Radiology 1991; **181:** 905

personal view: counselling by radiologists, Hugh AE, Clin Radiol 1990; **41:** 279

physician referrals to radiologists, Lopiano M; Stolz J; Sunshine J; et al, AJR 1990; **155:** 1327

physician's assistants in radiology: has the time come?, Ellis BI, Radiology 1991; **180:** 880

point of view: radiology at the crossroads, Steiner RE, Clin Radiol 1990; **42:** 161

political trends in vascular and interventional radiology: a randomized survey, Smith TP; Cragg AH; Berbaum KS, Radiology 1989; **170:** 941

practice corner: beyond the boards, Heilman RS, Radiographics 1990; **10:** 822

practice corner: career choices in radiology, Heilman RS, Radiographics 1991; **11:** 1139

practice corner: DNR, but business as usual, Heilman RS, Radiographics 1991; **11:** 324

practice corner: doctors and AIDS: double standard and double jeopardy, Heilman RS, Radiographics 1991; **11:** 382

practice corner: getting involved, Heilman RS, Radiographics 1990; **10:** 507

practice corner: HCFA and the relative value scale wars, Heilman RS, Radiographics 1991; **11:** 794

practice corner: here today—where tomorrow?, Heilman RS, Radiographics 1990; **10:** 1008

practice corner: imaging self referral: Willie Sutton strikes again, Heilman RS, Radiographics 1991; **11:** 22

practice corner: reach out and touch someone, Heilman RS, Radiographics 1990; **10:** 216

practice corner: what radiologists really do, Heilman RS, Radiographics 1990; **10:** 13

practice corner: "women's work" in radiology: an update, Heilman RS, Radiographics 1990; **10:** 686

pregnancy and maternity leave: AAWR survey results, Spirt BA; Rauth VA; Price AP; Hayman LA, Radiology 1990; **176:** 325

present status of residency training in mammography, Bassett LW; Cassady CI; Gold RH, AJR 1991; **156:** 59

procrustean bed and the self-anointed raters, Di Chiro G, Radiology 1989; **170:** 569

professional liability in radiotherapy: experience of the Fletcher Society, Sherman NE; Rich TA; Peters LJ, Int J Radiat Oncol Biol Phys 1991; **20:** 563

prospective study of cognitive and noncognitive selection criteria as predictors of resident performance, Wood PS; Smith WL; Altmaier EM; et al, Invest Radiol 1990; **25:** 855

public's perception of the future of health care and the implications for radiology, Blendon R; Donelan K, Invest Radiol 1989; **24:** 634

quality improvement in diagnostic radiology, Cascade PN, AJR 1990; **154:** 1117

radiologist site visitors sought, Fay M, Radiology 1989; **171:** 286

radiology and the new TNM classification of tumors: the future, Sobin LH; Ros PR, Radiology 1990; **176:** 1

radiology department organization, Gemell NI, Radiology 1990; **176:** 876

radiology department organization and radiology education, Salvador R, Radiology 1989; **172:** 609

radiology department organization and radiology education, Stiles RG, Radiology 1990; **174:** 579

radiology department organization and radiology education: reply, Levin DC, Radiology 1990; **174:** 580

radiology in Poland, Austin JHM, Radiology 1990; **174:** 895

radiology in the French health-care system, Durand-Zaleski I; Moreau J-F; Blum-Boisgard C, Invest Radiol 1990; **25:** 1246

radiology is valuable to general practitioners; but who pays?, Stoddart PGP; Holl SG, Clin Radiol 1989; **40:** 183

radiology manpower equation: a new look, Brogdon BG, AJR 1990; **154:** 1111

radiology residency training in diagnostic sonography: recommendations of the Society of Radiologists in Ultrasound, Filly RA, Radiology 1989; **172:** 577

radiology residents' work hours and study habits, Slone RM; Tart RP, Radiology 1991; **181:** 606

radiology summit 1990: specialization in radiology—trends, implications, and recommendations, Thrall JH; Wittenberg J, AJR 1991; **156:** 1273

radiotherapy situation in Thailand and South East Asia, Tungsubutra K, Int J Radiat Oncol Biol Phys 1990; **19:** 1271

rational use of diagnostic imaging in paediatrics: the report of a World Health Organization Study Group, Merten DF; Palmer PES; Sweet EM; et al, Pediatr Radiol 1989; **19:** 216

regulation, coverage, and reimbursement of medical technologies, McGivney WT; Hendee WR, Int J Radiat Oncol Biol Phys 1990; **18:** 697

reply: how should radiology residencies by structured? how should radiology departments be organized? proposals for the 1990s, Levin DC, Radiology 1989; **172:** 611

reply: the organization of a modern radiology department, Evens RG, Radiology 1989; **172:** 609

research and research training in academic radiology departments: a survey of department chairmen, Hillman BJ; Witzke DB; Fajardo LL; et al, Invest Radiol 1990; **25:** 587

resource-based relative value scale for organ imaging services, Michael R; Sage M; Hewitt B; et al, Invest Radiol 1991; **26:** 490

restrictive covenants in professional employment contracts, Roper RR, AJR 1989; **153:** 1089

results of the 1989 Association of Residents in Radiation Oncology Survey, Corn BW; Taylor BW; Knox SJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1363

returning to academic radiology: why am I doing this?, Worrell JA; Winfield AC; Carroll FE Jr; Payne F; Beveridge JH, Radiology 1989; **172:** 874

Robert D. Pugatch, MD, sixth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, Radiology 1990; **176:** 285

Robert H. Ackerman, MD, Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Buck JL, Radiology 1991; **180:** 281

roentgen stereophotogrammetric analysis, Selvik G, Acta Radiol 1990; **31:** 113

role of radiologists in the American Heart Association: getting the message out, Levin DC; Katzen BT, Radiology 1991; **178:** 27

role of the reference radiologist: estimates of inter-observer agreement and potential delay in cancer detection in the National Breast Screening Study, Baines CJ; McFarlane DV; Miller AB, Invest Radiol 1990; **25:** 971

route to subspecialty accreditation, Redman HC, Radiology 1989; **172:** 893

selecting radiology resident candidates, Curtis DJ; Riordan DD; Cruess DF; et al, Invest Radiol 1989; **24:** 324

selection and training of radiology researchers, Hillman BJ, Radiology 1990; **174:** 887

should radiologists perform gastrointestinal endoscopy?, Bartram CI, Clin Radiol 1989; **40:** 225

situation of radiotherapy in Latin America, Teixeira LCC, Int J Radiat Oncol Biol Phys 1990; **19:** 1267

some legal considerations regarding issues of turf, James AE Jr; Mazer M; Linton O; et al, Comput Med Imag Graph 1989; **13:** 429

special requirements for subspecialty training in vascular and interventional radiology, Residency Review Committee for Radiology, JVIR 1991; **2:** 303

standardization of the curriculum for resident education in diagnostic radiology, Chew FS, Invest Radiol 1990; **25:** 1258

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, JVIR 1991; **2:** 169

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, Radiology 1991; **181:** 277

standards for interventional radiology. practice guidelines in interventional radiology: introduction, Spies JB; Bakal CW; Burke DR; Husted JW; McLean G; Palestrant AM; Pentecost MJ; Schwarten DE; Spencer MC; Tate CP; van Breda A; Weyman PJ, JVIR 1991; **2:** 59

standards of radiology practice: an approach to development, Athanasoulis CA; Thrall JH, Radiology 1989; **173:** 613

statistical analysis: a procrustean bed for radiologists? , Scott JA; Rabito CA, Radiology 1989; **171:** 877

status of admitting privileges for university-affiliated diagnostic radiology departments, White RI Jr, Radiology 1990; **175:** 391

strategies for resolving interpersonal conflicts in radiology, Virapongse C, AJR 1989; **152:** 1119

subspecialization in radiology, Capp MP, AJR 1990; **155:** 451

substituting diagnostic services: new tests only partly replace older ones, (ab), Eisenberg JM; Schwartz JS; McCaslin FC; et al, Radiology 1990; **175:** 295

supporting cancer care in the developing countries: role of IAEA/WHO, Nofal M; Durosinmi-Etti F; Hanson GP; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1249

surgical approach to vascular disease, Roberts B, JVIR 1991; **2:** 66

teaching effectiveness in the radiology residency: a method of evaluation by residents, Love MB; Revesz G; Degnan JW, Invest Radiol 1990; **25:** 287

technique for oral board preparation, Messmer JM, Invest Radiol 1989; **24:** 813

technology assessment—an update, Rettig RA, Invest Radiol 1991; **26:** 165

technology assessment: the contribution of professional organizations, Hendee WR, AJR 1990; **154:** 647

therapeutic decision-making in clinical oncology: a matter of perspective, Kearsley JH, Australas Radiol 1989; **33:** 4

throw it away, Sam: the controlled circulation journals, Rennie D; Bero LA, AJR 1990; **155:** 889

training and postgraduate examinations in radiology in Australasia, Sage MR; Syme J, Invest Radiol 1991; **26:** 761

training in academic radiation oncology in the U.S.: a report to the inter society council for radiation oncology, Parker RG, Int J Radiat Oncol Biol Phys 1990; **18:** 1245

training in paediatric radiology, Carty H, Clin Radiol 1989; **40:** 227

training standards for physicians performing peripheral angioplasty: new developments, Wexler L; Levin D; Dorros G; Ring EJ; Katzen BT; Spittell JA Jr; King SB III, Radiology 1991; **178:** 19

turf and technology, Nelson JA, Radiology 1991; **178:** 888

turf and technology: responsibilities and realities, Rogers LF; Linton OW, Radiology 1990; **176:** 319

"turf battles" over imaging and interventional procedures in community hospitals: survey results, Levin DC; Matteucci T, Radiology 1990; **176:** 321

university-based radiology departments, Brant-Zawadzki M, Radiology 1990; **174:** 575

university-based radiology departments: a perspective, Gamsu G, Radiology 1989; **172:** 283

university radiology: a personal view, Gamsu G, Invest Radiol 1990; **25:** 332

value of a structured course for an elective in radiology for senior medical students, Sider L; Rogers LF, Invest Radiol 1989; **24:** 412

variation in the technical support of radiation oncology in different practice settings, Hanks GE; Edland RW; Diamond JJ, Int J Radiat Oncol Biol Phys 1989; **16:** 1583

visual acuity testing of radiologists—is it time?, Straub WH; Gur D; Good BC, AJR 1991; **156:** 1107

Washington report: interventional radiology, Price G, Radiology 1990; **174:** 921

we all play in the same sandbox, Lambrecht LG; Youker JE, Invest Radiol 1990; **25:** 1044

what is a radiologist? a "day of imaging" can provide much needed public information, Redman HC, Radiology 1989; **172:** 877

what is the future for cardiac radiology?, Wilde P, Clin Radiol 1989; **40:** 451

whither radiology? whither radiology?, Jackson FI, Radiology 1990; **174:** 894

whose realities?, Anderson RE, Radiology 1990; **174:** 581

whose turf is imaging? independent practice, academics, and research, Hillman BJ, AJR 1991; **156:** 443

Radiology and radiologists, departmental management

academic radiology and research, Hall FM, Radiology 1990; **177:** 286

academic radiology and research: a fresh approach, Brody WR, Radiology 1990; **175:** 37

academic radiology and research: reply, Brody WR, Radiology 1990; **177:** 286

biliary lithotripsy team: the necessity for an interdisciplinary approach, Torres WE; Maglinte DDT; Steinberg HV, Radiology 1989; **171:** 73

computer-aided management of residents' on-call and vacation schedules, Kahn CE Jr, AJR 1990; **154:** 641

computer-assisted radiology resident rotation scheduling, Oppenheim BE, Invest Radiol 1989; **24:** 163

computers in radiology departments, Sutherland GR, Br J Radiol 1990; **63:** 89

controversies in peripheral vascular intervention, Wholey MH, Radiology 1990; **174:** 929

danger or opportunity ahead?, Jackson FI, Radiology 1989; **171:** 581

decline of diagnostic radiology: call to action. 1989 Dotter lecture, Meaney TF, Radiology 1989; **172:** 889

developing an interventional radiology practice in a community hospital: the interventional radiologist as an equal partner in patient care, Katzen BT; Kaplan JO; Dake MD, Radiology 1989; **170:** 955

do radiologists control imaging studies? survey results from 198 academic institutions, Levin DC; Matteucci T, Radiology 1989; **170:** 879

economic factors affecting practice of interventional radiology in the United States, Dorfman GS; Waltman AC, Radiology 1989; **172:** 895

experiences at the new magnetic resonance imaging centre at Bristol, Thomson JLG, Br J Radiol 1989; **62:** 134

gamma camera image acquisition, display, and processing with the personal microcomputer, Lear JL; Pratt JP; Roberts DR; Johnson TK; Feyerabend A, Radiology 1990; **175:** 241

how many radiologic technologists are necessary to image patients efficiently in a pediatric radiology department?, Carver CD; Slovis TL, AJR 1990; **155:** 187

impact of computer systems in a medical environment, Kjerulff KH; Salloway JC; Counte MA, Comput Med Imag Graph 1989; **13:** 137

logistics of a university interventional radiology practice, White RI Jr; Denny DF Jr; Osterman FA Jr; Greenwood LH; Wilkinson LA, Radiology 1989; **170:** 951

nonmedical personnel requirements for a pediatric radiology department, Calandrino C; D'Ambra P, Pediatr Radiol 1989; **19:** 321

nuclear medicine imaging workstations based on personal computer technology, Spies SM; Spies WG; Silverstein EA; et al, Semin Nucl Med 1990; **20:** 234

nuclear medicine information management systems, Line BR, Semin Nucl Med 1990; **20:** 242

outpatient angioplasty, Rogers WF; Kraft MA, Radiology 1990; **174:** 753

patient care in interventional radiology: a perspective, Barth KH; Matsumoto AH, Radiology 1991; **178:** 11

patient expectations of radiology in noninteractive encounters, Smith WL; Altmaier EM; Ross RR; Johnson BD; Berberoglu LS, Radiology 1989; **172:** 275

planning a totally digital radiology department, Huang HK; Kangarloo H; Cho PS; et al, AJR 1990; **154:** 635

practice corner: what radiologists really do, Heilman RS, Radiographics 1990; **10:** 13

pregnancy and maternity leave: AAWR survey results, Spirt BA; Rauth VA; Price AP; Hayman LA, Radiology 1990; **176:** 325

purchasing medical imaging equipment, Gray JE; Morin RL, Radiology 1989; **171:** 9

quality assurance in a nuclear medicine department, Lamki LM; Haynie TP; Podoloff DA; Kim EE, Radiology 1990; **177:** 609

radiologist and computer: a partnership in clinical radiology for the 1990s?, Simon JH, Radiology 1990; **175:** 321

radiology department organization, Gemell NI, Radiology 1990; **176:** 876

radiology department organization and radiology education, Salvador R, Radiology 1989; **172:** 609

radiology department organization and radiology education, Stiles RG, Radiology 1990; **174:** 579

radiology department organization and radiology education: reply, Levin DC, Radiology 1990; **174:** 580

reply: how should radiology residencies by structured? how should radiology departments be organized? proposals for the 1990s, Levin DC, Radiology 1989; **172:** 611

reply: the organization of a modern radiology department, Evens RG, Radiology 1989; **172:** 609

report-coding system for integration into a digital radiology department, Bramble JM; Chang CHJ; Martin NL, AJR 1989; **152:** 1109

research resources in academic radiology, Virapongse C; Emerson S; Li KCP; Martineau BS; Staab EV, Radiology 1990; **175:** 247

research that radiologists do: perspective based on a survey of the literature, Holman BL, Radiology 1990; **176:** 329

role of the department chairman in the future of interventional radiology, Levir DC, Radiology 1989; **170:** 947

selection and training of radiology researchers, Hillman BJ, Radiology 1990; **174:** 887

standards of radiology practice: an approach to development, Athanasoulis CA; Thrall JH, Radiology 1989; **173:** 613

status of admitting privileges for university-affiliated diagnostic radiology departments, White RI Jr, Radiology 1990; **175:** 391

three years' experience with an all-digital nuclear medicine department, Cohen AM; Parker JA; Donohoe K; et al, Semin Nucl Med 1990; **20:** 225

turf and technology, Nelson JA, Radiology 1991; **178:** 888

turf and technology: responsibilities and realities, Rogers LF; Linton OW, Radiology 1990; **176:** 319

"turf battles" over imaging and interventional procedures in community hospitals: survey results, Levin DC; Matteucci T, Radiology 1990; **176:** 321

Radiology and radiologists, design of radiological facilities

assessment of radiology installations in Macedonia, Greece, Okkalides D, Eur J Radiol 1991; **12:** 177

interactive grayscale display workstations, Siegel EL; Rosenthal SJ; Gold RE; et al, Invest Radiol 1991; **26:** 479

purchasing medical imaging equipment, Gray JE; Morin RL, Radiology 1989; **171:** 9

radiologist's workstation, Hunter TB; McNeill KM, Invest Radiol 1990; **25:** 282

Radiology and radiologists, history

Arthur Purdy Stout, del Regato JA, Int J Radiat Oncol Biol Phys 1989; **16:** 799

chronological history of the Society of Cardiovascular and Interventional Radiology from 1973 to 1989, Crummy AB, Radiology 1990; **174:** 932

commentary on the development of diagnostic imaging technology, Angus WM, Radiographics 1989; **9:** 1225

conclusion. *RadioGraphics* monograph: the technical history of radiology, Balter S; Tuddenham WJ, Radiographics 1989; **9:** 1283

countdown to discovery, Eisenberg RL; Goodman PC, AJR 1991; **156:** 944

craniosynostosis (1, 2) in the Talmud (3), Shapiro R, Radiology 1989; **172:** 230

cross sectional medical imaging: a history, Hendee WR, Radiographics 1989; **9:** 1155

David and Goliath, Sprecher S, Radiology 1990; **176:** 288

David and Goliath: reply, Shapiro R; Mintz A, Radiology 1990; **176:** 288

development of the technology of radiation therapy, Laughlin JS, Radiographics 1989; **9:** 1245

efficacy studies of new imaging modalities, Hall FM, Radiology 1989; **171:** 287

first radiation accident in America: a centennial account of the x-ray photograph made in 1890, Walden TL Jr, Radiology 1991; **181:** 635

from Thales to Lauterbur, or from the lodestone to MR imaging: magnetism and medicine, Mourino MR, Radiology 1991; **180:** 593

gastrointestinal radiology from the time of Walter B. Cannon to the 21st century, Margulis AR; Eisenberg RL, Radiology 1991; **178:** 297

Gioacchino Failla, del Regato JA, Int J Radiat Oncol Biol Phys 1990; **19:** 1609

head injuries in the Old Testament, Shapiro R; Mintz A, Radiology 1990; **174:** 84

historical development of radiation safety practices in radiology, Brodsky A; Kathren RL, Radiographics 1989; **9:** 1267

history of interventional radiology of the biliary tract, Burhenne HJ, Radiol Clin North Am 1990; **28:** 1139

introduction. *RadioGraphics* monograph: the technical history of radiology, Balter S, Radiographics 1989; **9:** 1099

James Picker (1882–1963): lest we forget!, Pendergrass HP, Radiology 1991; **180:** 871

Jean A. Sicard (1872–1929): his pioneer work in nervous diseases, Steimle RH, Neuroradiol 1990; **32:** 1

Knox lecture: predictions and premonitions, Davies ER, Clin Radiol 1991; **43:** 234

Magnus Strandqvist, del Regato JA, Int J Radiat Oncol Biol Phys 1989; **17:** 631

National Institutes of Health and Academic Radiology: a view from the inside, Doppman JL, Radiology 1989; **171:** 281

neuroradiology: past, present, future, Taveras JM, Radiology 1990; **175:** 593

nuclear medicine from Becquerel to the present, Graham LS; Kereiakes JG; Harris C; Cohen MB, Radiographics 1989; **9:** 1189

plans for radiology centennial celebration in 1995, Tampas JP, AJR 1991; **156:** 938

presidential address: the past is prologue, Bogardus CR Jr, Int J Radiat Oncol Biol Phys 1991; **20:** 1171

Preston M. Hickey, Gagliardi RA, AJR 1990; **155:** 235

radiography and fluoroscopy, 1920 to the present, Krohmer JS, Radiographics 1989; **9:** 1129

Radiological Society of North America, Inc, 1965–1989: a quarter century of rapid growth and progress, Campbell RE, Radiology 1990; **175:** 1

radiologic history exhibit: brief history of gastrointestinal radiology, Eisenberg RL; Margulis AR, Radiographics 1991; **11:** 121

radiologic history exhibit: Francis H. Williams, MD: father of chest radiology in North America, Greene R, Radiographics 1991; **11:** 325

radiologic history exhibit: highlights from the history of mammography, Gold RH; Bassett LW; Widoff BE, Radiographics 1990; **10:** 1111

radiologic history exhibit: introduction to the history of musculoskeletal radiology, Murphy WA Jr, Radiographics 1990; **10:** 915

radiologic history exhibit: past, present, and future of radiology of meningioma, Siegelman ES; Mishkin MM; Taveras JM, Radiographics 1991; **11:** 899

radiologic history exhibit: wrong turns on radiology's road of progress, DiSantis DJ; DiSantis DM, Radiographics 1991; **11:** 1121

radiology centennial 1995, Tampas JP, Radiology 1991; **179:** 339

radiology on postage stamps: part 3, Praestholm J; Dissing I; Herning M, Radiographics 1989; **9:** 341

radiology on postage stamps: part 4, Praestholm J; Dissing I; Herning M, Radiographics 1990; **10:** 157

reflections of men and machines from red goggles and spin wobbles, Baker DH, AJR 1989; **153:** 913

research that radiologists do: perspective based on a survey of the literature, Holman BL, Radiology 1990; **176:** 329

screen-film-processing systems for medical radiography: a historical review, Haus AG; Cullinan JE, Radiographics 1989; **9:** 1203

seeing with sound, Leopold GR, Radiology 1990; **175:** 23

seventy-five years of the RSNA, approaching a century of radiology: museum and information resources, Knight N, Radiographics 1989; **9:** 1101

Sisera's death: an afterword, Shapiro R; Mintz A, Radiology 1990; **177:** 591

sketch of the technical history of radiology from 1896 to 1920, Feldman A, Radiographics 1989; **9:** 1113

socioeconomic and political issues in radiology: a historical analysis, Stiles RG; Belt HC, Radiology 1991; **180:** 823

stages in the growth of uroradiology, Elkin M, Radiology 1990; **175:** 297

who will write the history of radiology?, Brieger GH, Invest Radiol 1989; **24:** 172

Zum Grünen Glas, Goodman PC; Eisenberg RL, AJR 1991; **157:** 274

Radiology and radiologists, How I Do It

current imaging approach to the temporal bone, Swartz JD, Radiology 1989; **171:** 309

dynamic hepatic CT, Foley WD, Radiology 1989; **170:** 617

gallbladder lithotripsy, Steinberg HV; Torres WE; Nelson RC, Radiology 1989; **172:** 7

petrosal sinus sampling: technique and rationale, Miller DL; Doppman JL, Radiology 1991; **178:** 37

purchasing medical imaging equipment, Gray JE; Morin RL, Radiology 1989; **171:** 9

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

Radiology and radiologists, iatrogenic injury

acute myocardial infarction resulting from the migration of a Greenfield filter, (ab), Puram B; Maley TJ; White NM; et al, JVIR 1991; **2:** 410

adverse reactions to ionic and nonionic contrast media: a report from the Japanese Committee on the Safety of Contrast Media, Katayama H; Yamaguchi K; Kozuka T; Takashima T; Seez P; Matsuura K, Radiology 1990; **175:** 621

angiographic management of massive hemobilia due to iatrogenic trauma, Okazaki M; Ono H; Higashihara H; et al, Gastrointest Radiol 1991; **16:** 205

angioplasty after laser perforation, Reekers JA; Sprangers RLH; van de Kley AJ, Cardiovasc Intervent Radiol 1991; **14:** 113

bladder puncture from Fletcher-Suit tandem applicator: diagnosis by pelvic ultrasound, Rossmann MD; Koprowski C; Lewis G; et al, J Ultrasound Med 1989; **8:** 403

blood-brain barrier injury following intracarotid injection of radiographic contrast media: in vivo quantification using magnetic resonance imaging and Gd-DTPA, Hayakawa K; Yamashita K; Mitsumori M; et al, Acta Radiol 1990; **31:** 203

case report: delayed cardiac tamponade following accidental injection of non-ionic contrast medium into the pericardium, Gallant MJ; Studley JGN, Clin Radiol 1990; **41:** 139

case report: iliac artery rupture during percutaneous angioplasty, Chong WK; Cross FW; Raphael MJ, Clin Radiol 1990; **41:** 358

cervical myelography, Skalpe IO, Radiology 1990; **177:** 590

cervical myelography: reply, Robertson HJ; Smith RD, Radiology 1990; **177:** 590

cervical myelography: survey of modes of practice and major complications, Robertson HJ; Smith RD, Radiology 1990; **174:** 79

color flow and image-directed Doppler ultrasound evaluation of iatrogenic arteriovenous fistulas in the groin, Roubidoux MA; Hertzberg BS; Carroll BA; et al, JCU 1990; **18:** 463

complication rate of percutaneous peripheral balloon angioplasty, Belli A-M; Cumberland DC; Knox AM; et al, Clin Radiol 1990; **41:** 380

complications from extravasated retroperitoneal barium: case report and review of the literature, Walker CW; Purnell GL; Diner WC, Radiology 1989; **173:** 618

computed tomography of retroperitoneal perforation after barium enema, Gardner DJ; Hanson RE, Clin Imag 1990; **14:** 208

control of hemobilia by embolization of a false aneurysm and arterioportobiliary fistula of the hepatic artery, Beningfield SJ; Bornman PC; Krige JEJ; et al, AJR 1991; **156:** 1263

CT and chest radiography are equally sensitive in the detection of pneumothorax after CT-guided pulmonary interventional procedures, Murphy FB; Small WC; Wichman RD; et al, AJR 1990; **154:** 45

death associated with bronchography: question role of heating the contrast agent, McAlister WH, Pediatr Radiol 1989; **19:** 458

detection of atrial perforation by hepatobiliary scintigraphy, duCret RP; Aafedt BC; Steinhorn D; et al, Clin Nucl Med 1990; **15:** 439

embolization hazard of laser hot-tip catheters and coated guidewires, Delcour C; Gusella P; Richoz B; et al, Br J Radiol 1990; **63:** 76

embolization of a catheter-related hepatic artery pseudoaneurysm after long-term biliary drainage, Goodacre BW; Chipperfield P; Harrison PB, J Canad Assoc Radiol 1990; **41:** 308

embolization of a rubber disc from a hemostasis valve: technical note, Schroeder J; Papachrysanthou C; Huhmann W, Cardiovasc Intervent Radiol 1991; **14:** 132

embolization of iatrogenic renal hemorrhage following percutaneous nephrostomy, Peene P; Wilms G; Baert AL, Urol Radiol 1990; **12:** 84

epidemiologic critique of the report on adverse reactions to ionic and nonionic media by the Japanese Committee on the Safety of Contrast Media, Gerstman BB, Radiology 1991; **178:** 787

extravasation of nonionic radiologic contrast media: efficacy of conservative treatment, Cohan RH; Dunnick NR; Leder RA; Baker ME, Radiology 1990; **176:** 65

fatal complications after myelography with meglumine diatrizoate, Hilz MJ; Huk W; Schellmann B; et al, Neuroradiol 1990; **32:** 70

fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature, Sadry F; Hauser H, Gastrointest Radiol 1990; **15:** 296

femoral arterial injury following catheterization: duplex evaluation, Sacks D; Robinson ML; Perlmutter GS, J Ultrasound Med 1989; **8:** 241

femoral neuralgia syndrome after arterial catheter trauma, (ab), Hallett JW Jr; Wolk SW; Cherry KJ Jr; et al, Radiology 1990; **177:** 894

hepatic oil embolism following lymphography: CT diagnosis, Delamarre J; Modaine P; Sevestre H; et al, JCAT 1991; **15:** 317

Hickman catheter-induced thoracic vein thrombosis: frequency and long-term sequelae in patients receiving high-dose chemotherapy and marrow transplantation, (ab), Haire WD; Lieberman RP; Edney J; et al, JVIR 1991; **2:** 287

iatrogenic dissection of the common carotid artery: diagnosis by dynamic image and color flow Doppler ultrasonography, Gollub MJ; Friedwald JP; Hartigan M, JCU 1991; **19:** 250

iatrogenic femoral arteriovenous fistula, Marsan RE; McDonald V; Ramamurthy S, Cardiovasc Intervent Radiol 1990; **13:** 314

iatrogenic intraspinal epidermoid tumor: myelo-CT and MRI diagnosis, Visciani A; Savoiardo M; Balestrini MR; et al, Neuroradiol 1989; **31:** 273

important considerations in measurement of attractive force on metallic implants in MR imagers, Kagetsu NJ; Litt AW, Radiology 1991; **179:** 505

inadvertent pancreatic embolization as a complication of hepatic carcinoid treatment—computed tomography appearance, Mendelson DS; Rubinoff SW; Dan SJ; et al, Clin Imag 1989; **13:** 212

ionic versus nonionic contrast agents for intravenous use: are all the answers in?, Bettmann MA, Radiology 1990; **175:** 616

late Greenfield filter vena cava perforation causing a small bowel obstruction: case report, Dagirmanjian A; Beckman I, Cardiovasc Intervent Radiol 1990; **13:** 44

life-threatening hemorrhage due to percutaneous transthoracic intervention: importance of the internal mammary artery, Glassberg RM; Sussman SK, AJR 1990; **154:** 47

management of vascular perforations that occur during neurointerventional procedures, (ab), Halbach VV; Higashida RT; Dowd CF; et al, JVIR 1991; **2:** 422

nephrotoxicity from contrast material in renal insufficiency: ionic versus nonionic agents, Harris KG; Smith TP; Cragg AH; Lemke JH, Radiology 1991; **179:** 849

oesophageal tears during pneumatic balloon dilatation for the treatment of achalasia, Adams H; Roberts GM; Smith PM, Clin Radiol 1989; **40:** 53

osteogenic sarcoma: MR signal abnormalities of the brain in asymptomatic patients treated with high-dose methotrexate, Lien HH; Blomlie V; Saeter G; Solheim Ø; Fosså SD, Radiology 1991; **179:** 547

posterior intercostal approach for percutaneous renal procedures: risk of puncturing the lung, spleen, and liver as determined by CT, Hopper KD; Yakes WF, AJR 1990; **154:** 115

pulmonary embolus as a complication of therapeutic peripheral arteriovenous malformation embolization, McCarthy P; Kennedy A; Dawson P; et al, Br J Radiol 1991; **64:** 177

retrieval of a guidewire introducer by catheter-capture from the proximal inferior vena cava: technical note, Kim SH; Song IS; Kim JH; et al, Cardiovasc Intervent Radiol 1991; **14:** 252

risk management issues related to the use of contrast agents, Bettmann MA; Holzer JF; Trombly ST, Radiology 1990; **175:** 629

role of small calibre chest tube drainage for iatrogenic pneumothorax, (ab), Laub M; Milman N; Müller D; et al, Radiology 1991; **180:** 293

surgical and percutaneous management of contralateral thrombus dislodgement following stent placement and dilatation of iliac artery occlusions: technical note, Vorwerk D; Günther RW; Keulers P; et al, Cardiovasc Intervent Radiol 1991; **14:** 134

treating complications of subclavian vein puncture by embolization of the internal mammary artery, Uflacker R; Mourão GS; Piske RL, Cardiovasc Intervent Radiol 199?; **14:** 115

ultrasonic detection of a retroperitoneal haematoma causing duodenal obstruction following ureterolithotomy, Ritchie DA; Frazer CK; Taylor AD; et al, Br J Radiol 1990; **63:** 726

uncomplicated portal venous gas associated with duodenal perforation following ERCP: CT features, Merine DS; Fishman EK, JCAT 1989; **13:** 138

use of a balloon catheter to control hemorrhage from the subclavian artery after removal of an inadvertently placed catheter, Millward SF; Lamb MN; Barron PT, AJR 1991; **156:** 1261

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Radiology and radiologists, research

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academic radiology and research: a fresh approach, Brody WR, Radiology 1990; **175:** 37

academic radiology and research: reply, Brody WR, Radiology 1990; **177:** 286

approaches to increasing the ethical consistency of prior review of animal research, Prentice ED; Crouse DA; Rings RW, Invest Radiol 1990; **25:** 271

assassins and zealots: variations in peer review. special report, Siegelman SS, Radiology 1991; **178:** 637

Charles Dotter: interventional radiologist, Friedman SG, Radiology 1989; **172:** 921

collaborative evaluations of diagnostic tests: experience of the Radiology Diagnostic Oncology Group, Gatsonis C; McNeil BJ, Radiology 1990; **175:** 571

controlled trials of radiologic contrast media: issues in quality assessment and synthesis, Powe NR; Kinnison ML; Steinberg EP, Radiology 1991; **179:** 22

editor's page, Siegelman SS, Radiology 1989; **172:** 20

efficacy studies of new imaging modalities, Hall FM, Radiology 1989; **171:** 287

evaluation of a new method for verifying truth of diagnosis in clinical research, Ker M; Seeley GW; Patton D, Invest Radiol 1990; **25:** 568

factors influencing radiologists to choose research careers, Hillman BJ; Fajardo LL; Witzke DB; et al, Invest Radiol 1989; **24:** 842

factors influencing the success of academic radiologists in publishing research, Hillman BJ; Fajardo LL; Witzke DB; et al, Invest Radiol 1989; **24:** 849

Hippocrates has the last word, Jackson FI, Radiology 1989; **171:** 878

how to evaluate the radiology literature, Black WC, AJR 1990; **154:** 17

impact of radiation research on clinical trials in radiation oncology, Rubin P; Van Ess JD, Clin Radiol 1989; **40:** 68

introduction of personal computers into clinical cancer research in Norway, Fosså SD; Aagedal H, Acta Oncol 1989; **28:** 543

measuring the quality of radiologic research, Pilgram TK; Vannier MW, Radiology 1989; **172:** 286

method of euthanasia in animal study, Gregory SP; Waterman AE; Weaver BMQ, Radiology 1991; **179:** 288

method of euthanasia in animal study: reply, Hopper KD; Baird DE; Parker SH, Radiology 1991; **179:** 288

miscellaneous adverse effects of low- versus high-osmolality contrast media: a study revised, Brismar J; Jacobsson BF; Jorulf H, Radiology 1991; **179:** 19

National Institutes of Health and Academic Radiology: a view from the inside, Doppman JL, Radiology 1989; **171:** 281

new interventional devices and the need for restraint, Ring EJ, Radiology 1989; **170:** 945

nuclear medicine comes of age: its present and future roles in diagnosis, McAfee JG; Kopecky RT; Frymoyer PA, Radiology 1990; **174:** 609

on research, training, politico-economics, and radiology, Davis DO, Radiology 1989; **171:** 319

pathways to improved radiologic research: an NIH workshop, Holden RW; Brody WR; Franken EA Jr; et al, Invest Radiol 1991; **26:** 111

poor quality of clinical research in radiology: another indictment, Wolf GL, Radiology 1989; **170:** 311

quality assessment of randomized controlled trials of contrast media, Powe NR; Kinnison ML; Steinberg EP, Radiology 1989; **170:** 377

radiologic research and education: now is the time for all to come to the aid, Baker HL Jr, Radiology 1989; **171:** 612

research directions in diagnostic imaging, Maynard CD; Witcofski RL; Putman CE; et al, Invest Radiol 1990; **25:** 101

research in departments of diagnostic radiology: a question of method limitation, Northway WH Jr, Radiology 1989; **171:** 873

research resources in academic radiology, Virapongse C; Emerson S; Li KCP; Martineau BS; Staab EV, Radiology 1990; **175:** 247

research that radiologists do: perspective based on a survey of the literature, Holman BL, Radiology 1990; **176:** 329

results of randomized controlled trials of low- versus high-osmolality contrast media, Kinnison ML; Powe NR; Steinberg EP, Radiology 1989; **170:** 381

selection and training of radiology researchers, Hillman BJ, Radiology 1990; **174:** 887

significance of 'no significant difference', Brismar J; Jacobsson B, Acta Radiol 1990; **31:** 315

status of clinical MR evaluations 1985–1988: baseline and design for further assessments, Beam CA; Sostman HD; Zheng J-Y, Radiology 1991; **180:** 265

unwitting authorship: the role of scientific journals in detection and sanctioning, Becker GJ, JVIR 1991; **2:** 307

visual perception as an opportunity for radiologic research, Hendee WR; Wells PNT, Invest Radiol 1989; **24:** 575

who owns research data?, Schreiber MH; Yielding KL; Winslade WJ, Invest Radiol 1989; **24:** 410

Radiology centennial

radiology centennial 1995, Tampas JP, Radiology 1991; **179:** 339

Radiology (journal)

abstractors of current literature, Siegelman SS, Radiology 1989; **170:** 158

abstractors of current literature, Siegelman SS, Radiology 1990; **174:** 48

Abstractors of Current Literature 1990, Siegelman SS, Radiology 1991; **178:** 62

assassins and zealots: variations in peer review. special report, Siegelman SS, Radiology 1991; **178:** 637

book reviewers 1988, Siegelman SS; Griffiths HJ, Radiology 1989; **170:** 54

book reviewers 1989, Siegelman SS; Griffiths HJ, Radiology 1990; **174:** 72

Book Reviewers 1990, Siegelman SS; Griffiths HJ, Radiology 1991; **178:** 48

CT-van Gogh correlations, McCarthy SM, Radiology 1991; **178:** 286

CT-van Gogh correlations: reply, Siegelman SS, Radiology 1991; **178:** 286

editor's page, Siegelman SS, Radiology 1989; **172:** 20

editor's page: book reviews in *Radiology*, Griffiths HJ, Radiology 1989; **170:** 390

editor's page: *Radiology's* most prolific reviewers, Siegelman SS, Radiology 1989; **173:** 217

editor's page: *Radiology* statement of purpose 1990, Siegelman SS, Radiology 1989; **173:** 467

editor's page: reviews of foreign-language books in *Radiology*, Oestreich AE, Radiology 1989; **172:** 600

Editor's Recognition Awards, Siegelman SS, Radiology 1989; **170:** 28

Editor's Recognition Awards, Siegelman SS, Radiology 1990; **174:** 24

Editor's Recognition Awards, Siegelman SS, Radiology 1991; **178:** 18

is reform needed in the book review process?, Hopper KD, Radiology 1989; **171:** 878

note of thanks, Campbell RE; Siegelman SS, Radiology 1989; **173:** 863

note of thanks, Heitzman ER; Siegelman SS, Radiology 1990; **177:** 875

note of thanks, Zylak CJ; Siegelman SS, Radiology 1991; **181:** 897

procrustean bed and the self-anointed raters, Di Chiro G, Radiology 1989; **170:** 569

proposed list of abbreviations, Felson B, Radiology 1989; **170:** 283

Radiology editorial board, Siegelman SS, Radiology 1990; **174:** 30

Radiology Editorial Board, Siegelman SS, Radiology 1991; **178:** 36

statistical analysis: a procrustean bed for radiologists? , Scott JA; Rabito CA, Radiology 1989; **171:** 877

Radiology Outreach Foundation (ROF)

Radiology Outreach Foundation (ROF), Gooding CA, Radiology 1990; **174:** 261

Radiology reporting systems

communication problems after mammographic screening, Robertson CL; Kopans DB, Radiology 1989; **172:** 443

communication problems after mammographic screening, Edelstein G, Radiology 1989; **173:** 879

communication problems after mammographic screening, Monsees B; Destouet JM; Evens RG, Radiology 1990; **175:** 877

computerized extraction of coded findings from free-text radiologic reports: work in progress, Haug PJ; Ranum DL; Frederick PR, Radiology 1990; **174:** 543

computerized on-line reporting of coronary angiograms with the CLIP system, Kim D; Leeming BWA, AJR 1990; **154:** 1307

danger or opportunity ahead?, Jackson FI, Radiology 1989; **171:** 581

radiographic reporting directly from the TV monitor of a digital chest radiography system, Kheddache S; Tylén U; Schlossman D, Eur J Radiol 1991; **13:** 72

radiologic reporting system for computer-aided diagnosis with associated database: Hokkaido University Diagnostic Information Processing System—HDIPS, Ito S, Acta Radiol 1991; **32:** 329

rate of compliance with recommendations for additional mammographic views and biopsies, Cardenosa G; Eklund GW, Radiology 1991; **181:** 359

RGSS-ID: an approach to new radiologic reporting system, Ikeda M; Sakuma S; Maruyama K, Comput Med Imag Graph 1990; **14:** 395

Radionuclide imaging

See also under names of organs, such as Lung, radionuclide studies

brief overview of nuclear medicine in China, Wang S-C; Chou C, Semin Nucl Med 1989; **19:** 144

design and operation of a nuclear medicine picture archiving and communication system, Brown PH; Krishnamurthy GT, Semin Nucl Med 1990; **20:** 205

diagnostic role of nuclear medicine in the acquired immunodeficiency syndrome, Ganz WI; Serafini AN, J Nucl Med 1989; **30:** 1935

gallium scintigraphy in the diagnosis and management of multifocal Castleman's disease, Stansby G; Hilson A; Hamilton G, Br J Radiol 1991; **64:** 165

gamma camera image acquisition, display, and processing with the personal microcomputer, Lear JL; Pratt JP; Roberts DR; Johnson TK; Feyerabend A, Radiology 1990; **175:** 241

hospital-wide distribution of nuclear medicine studies through a broadband digital network, Miller TR; Jost RG; Sampathkumaran KS; et al, Semin Nucl Med 1990; **20:** 270

interpretation of bone scans using a video display: a necessary step toward a filmless nuclear medicine department, Arnstein NB; Chen DCP; Siegel ME, Clin Nucl Med 1990; **15:** 418

in vitro and in vivo evaluation of granulocyte labeling with [^{99m}Tc]d,1-HM-PAO, Mortelmans L; Malbrain S; Stuyck J; et al, J Nucl Med 1989; **30:** 2022

irradiation of volunteers in nuclear medicine, Huda W; Scrimger JW, J Nucl Med 1989; **30:** 260

maximum-likelihood estimation: a mathematical model for quantitation in nuclear medicine, Müller SP; Kijewski MF; Moore SC; et al, J Nucl Med 1990; **31:** 1693

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE; Cheng SC; Sketch MH; Frick MP, Radiology 1989; **173:** 769

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Spiegler EJ, Radiology 1990; **175:** 877

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress: reply, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE, Radiology 1990; **175:** 877

nonosseous accumulation of bone-seeking radiopharmaceuticals, Gentili A; Miron SD; Bellon EM, Radiographics 1990; **10:** 871

nuclear medicine comes of age: its present and future roles in diagnosis, McAfee JG; Kopecky RT; Frymoyer PA, Radiology 1990; **174:** 609

nuclear medicine from Becquerel to the present, Graham LS; Kereiakes JG; Harris C; Cohen MB, Radiographics 1989; **9:** 1189

nuclear medicine imaging workstations based on personal computer technology, Spies SM; Spies WG; Silverstein EA; et al, Semin Nucl Med 1990; **20:** 234

nuclear medicine information management systems, Line BR, Semin Nucl Med 1990; **20:** 242

nuclear medicine in the 1990s: a quantitative physiological approach, Ott RJ, Br J Radiol 1989; **62:** 421

NucNet: a single-vendor clinical picture archiving and communication system—description and reflections, Juni JE, Semin Nucl Med 1990; **20:** 193

radionuclide assessment of a system for slow intrathecal infusion of drugs, Hicks RJ; Kalff V; Brazenor G; et al, Clin Nucl Med 1989; **14:** 275

recent advances and future projections in clinical radionuclide imaging, Peters AM, Br J Radiol 1990; **63:** 411

scintigraphic evaluation of aggressive fibromatosis, Ohta H; Endo K; Konishi J; et al, J Nucl Med 1990; **31:** 1632

techniques for radioactive decontamination in nuclear medicine, Mountford PJ, Semin Nucl Med 1991; **21:** 82

temporal behavior of peripheral organ distribution volume in mammillary systems. I. a new tool for in vivo tracer kinetic analysis, Decostre PL; Salmon Y, J Nucl Med 1990; **31:** 1702

three years' experience with an all-digital nuclear medicine department, Cohen AM; Parker JA; Donohoe K; et al, Semin Nucl Med 1990; **20:** 225

update on radiopharmaceuticals for medical imaging, McAfee JG, Radiology 1989; **171:** 593

Radionuclide imaging, artifact

artifact on iodine-131 whole body scan due to contaminated handkerchief, Chandramouly BS; Scagnelli T; Burgess CK, Clin Nucl Med 1989; **14:** 301

axillary iodine-131 accumulation due to perspiration, Camponovo EJ; Goyer PF; Silverman ED; et al, Clin Nucl Med 1990; **14:** 762

evaluation of techniques for the elimination of "hot" bladder artifacts in SPECT of the pelvis, O'Connor MK; Kelly BJ, J Nucl Med 1990; **31:** 1872

false-positive artifact in the investigation of osteitis pubis, Murray IPC; Bass S, Clin Nucl Med 1991; **16:** 597

hot stripe sign: an unusual variation, Palestro CJ; Fineman DS; Goldsmith SJ, Clin Nucl Med 1990; **15:** 647

investigation of the magnitude and causes of count loss artifacts in SPECT imaging, Gillen GJ; Gilmore B; Elliott AT, J Nucl Med 1991; **32:** 1771

man with three knees? false "hot spot" with dual isotope imaging, Miles KA; Barber RW, Br J Radiol 1990; **63:** 798

myocardial imaging artifacts caused by mitral valve annulus calcification, Wagoner LE; Movahed A; Reeves WC, Clin Nucl Med 1991; **16:** 94

optimal specificity of thallium-201 SPECT through recognition of imaging artifacts, DePuey EG; Garcia EV, J Nucl Med 1989; **30:** 441

orbit-related variation in spatial resolution as a source of artifactual defects in thallium-201 SPECT, Maniawski PJ; Morgan HT; Wackers FJT, J Nucl Med 1991; **32:** 871

prone versus supine thallium myocardial SPECT: a method to decrease artifactual inferior wall defects, Segall GM; Davis MJ, J Nucl Med 1989; **30:** 548

Radionuclide imaging, comparative studies

bone scans with one or two new abnormalities in cancer patients with no known metastases: reliability of interpretation of initial correlative radiographs, Jacobson AF; Stomper PC; Cronin EB; Kaplan WD, Radiology 1990; **174:** 503

comparison of 2-^{18}F-2-deoxyglucose and 15-(ortho-^{123}I-phenyl)-pentadecanoic acid uptake in persisting defects on thallium-201 tomography in myocardial infarction, Henrich MM; Vester E; von der Lohe E; et al, J Nucl Med 1991; **32:** 1353

comparison of in vitro RBC labeling with the UltraTag® RBC kit versus in vivo labeling, Patrick ST; Glowniak JV; Turner FE; et al, J Nucl Med 1991; **32:** 242

dipyridamole technetium-99m-2-methoxy isobutyl isonitrile tomoscintigraphic imaging for identifying diseased coronary vessels: comparison with thallium-201 stress-rest study, Tartagni F; Dondi M; Limonetti P; et al, J Nucl Med 1991; **32:** 369

indium-111-chloride and three-phase bone scintigraphy: a comparison for imaging experimental osteomyelitis, Hoskinson JJ; Daniel GB; Patton CS, J Nucl Med 1991; **32:** 67

indium labelled leucocyte scintigraphy in occult infection: a comparison with ultrasound and computed tomography, Baldwin JE; Wraight EP, Clin Radiol 1990; **42:** 199

left ventricular regional wall motion assessment by radionuclide ventriculography: a comparison of cine display with Fourier imaging, Brateman L; Buckley K; Keim SG; et al, J Nucl Med 1991; **32:** 777

low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Bellah RD; Summerville DA; Treves ST; Micheli LJ, Radiology 1991; **180:** 509

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT, Friedman D, Radiology 1991; **181:** 605

mapping distribution of amobarbital sodium in the intracarotid Wada test with use of Tc-99m HMPAO with SPECT: reply, Monsein LH, Radiology 1991; **181:** 605

mapping the distribution of amobarbital sodium in the intracarotid Wada test by use of Tc-99m HMPAO with SPECT, Jeffery PJ; Monsein LH; Szabo Z; Hart J; Fisher RS; Lesser RP; Debrun GM; Gordon B; Wagner HN Jr; Camargo EE, Radiology 1991; **178:** 847

metabolic activity in the areas of new fill-in after thallium-201 reinjection: comparison with positron emission tomography using fluorine-18-deoxyglucose, Tamaki N; Ohtani H; Yamashita K; et al, J Nucl Med 1991; **32:** 673

myocardial distribution of indium-111-antimyosin Fab in acute inferior and right ventricular infarction: comparison with technetium-99m-pyrophosphate imaging and histologic examination, Nakata T; Sakakibara T; Noto T; et al, J Nucl Med 1991; **32:** 865

nuclear medicine. RSNA '89 meeting notes, Mettler FA Jr; Hartshorne MF; Miller TR; Spies WG; Tumeh SS, Radiology 1990; **174:** 607

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

scintigraphy compared to other imaging modalities in benign superior vena caval obstruction accompanying fibrosing mediastinitis, Savolaine ER; Schlembach PJ, Clin Imag 1989; **13:** 234

simultaneous measurement of gallbaldder emptying with cholescintigraphy and US during infusion of physiologic doses of cholecystokinin: a comparison, Masclee AAM; Hopman WPM; Corstens FHM; Rosenbusch G; Jansen JBMJ; Lamers CBHW, Radiology 1989; **173:** 407

thallium-201 scintigraphy in differentiated thyroid cancer: comparison with radioiodine scintigraphy and serum thyroglobulin determinations, Ramanna L; Waxman A; Braunstein G, J Nucl Med 1991; **32:** 441

Radionuclide imaging, complications

radionuclide angiography with technetium-99m in vivo labeled erythrocytes does not lead to induction of mutations in the HPRT gene of human T-lymphocytes, van Dam FJ; Camps JA; Woldring VM; et al, J Nucl Med 1991; **32:** 814

Radionuclide imaging, computer-assisted

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

measurement of hepatocellular function with deconvolutional analysis: application in the differential diagnosis of acute jaundice, Juni JE; Reichle R, Radiology 1990; **177:** 171

primary lung cancer: biodistribution and dosimetry of two In-111-labeled monoclonal antibodies, Brown PH; Krishnamurthy GT; Turner FE; Denney RK; Gilbert SA; Slauson ME, Radiology 1989; **173:** 701

Radionuclide imaging, dosimetry

See Dosimetry

Radionuclide imaging, experimental

bone marrow dosimetry in rats using direct tissue counting after injection of radioiodinated intact monoclonal antibodies or $F(ab')_2$ fragments, Buchegger F; Chalandon Y; Pèlegrin A; et al, J Nucl Med 1991; **32:** 1414

detection of a local staphylococcal infection in mice with technetium-99m-labeled polyclonal human immunoglobulin, Calame W; Feitsma HIJ; Ensing GJ; et al, J Nucl Med 1991; **32:** 468

dual tracer autoradiographic study with thallium-201 and radioiodinated fatty acid in cardiomyopathic hamsters, Kurata C; Kobayashi A; Yamazaki N, J Nucl Med 1989; **30:** 80

effect of metabolic inhibition on technetium-99m-MIBI kinetics in cultured chick myocardial cells, Piwnica-Worms D; Kronauge JF; Delmon L; et al, J Nucl Med 1990; **31:** 464

enalaprilat-enhanced renography in a rat model of renovascular hypertension, Kopecky RT; McAfee JG; Thomas FD; et al, J Nucl Med 1990; **31:** 501

imaging focal sites of bacterial infection in rats with indium-111-labeled chemotactic peptide analogs, Fischman AJ; Pike MC; Kroon D; et al, J Nucl Med 1991; **32:** 483

immunoscintigraphy of human tumors transplanted in nude mice with radiolabeled anti-ras p21 monoclonal antibodies, Katoh Y; Nakata K; Kohno K; et al, J Nucl Med 1990; **31:** 1520

improved tumor imaging with radiolabeled monoclonal antibodies by plasma clearance of unbound antibody with anti-antibody column, Lear JL; Kasliwal RK; Feyerabend AJ; Pratt JP; Bunn PA; Dienhart DG; Gonzalez R; Johnson TK; Bloedow DC; Maddock SW; Glenn SD, Radiology 1991; **179:** 509

in vitro and in vivo characterization of 4-[^{125}I]iododexetimide binding to muscarinic cholinergic receptors in the rat heart, Matsumura K; Uno Y; Scheffel U; et al, J Nucl Med 1991; **32:** 76

measurement of D2 dopamine receptor-specific carbon-11-YM-09151-2 binding in the canine brain by PET: importance of partial volume correction, Hatazawa J; Hatano K; Ishiwata K; et al, J Nucl Med 1991; **32:** 713

metabolism of indium-111-labeled murine monoclonal antibody in tumor and normal tissue of the athymic mouse, Motta-Hennessy C; Sharkey RM; Goldenberg DM, J Nucl Med 1990; **31:** 1510

nuclear imaging analysis of human low-density lipoprotein biodistribution in rabbits and monkeys, Hay RV; Fleming RM; Ryan JW; et al, J Nucl Med 1991; **32:** 1239

quantification of patterns of regional cardiac metabolism, Lear JL; Ackermann RF, Radiology 1990; **176:** 659

quantitative SPECT for indium-111-labeled antibodies in the livers of beagle dogs, Leichner PK; Vriesendorp HM; Hawkins WG; et al, J Nucl Med 1991; **32:** 1442

radioisotopic pulmonary lobectomy: feasibility study in dogs, Llaurado JG; Brewer LA III; Elam DA; et al, J Nucl Med 1990; **31:** 594

receptor scintigraphy with a radioiodinated somatostatin analogue: radiolabeling, purification, biologic activity, and in vivo application in animals, Bakker WH; Krenning EP; Breeman WA; et al, J Nucl Med 1990; **31:** 1501

reproducibility of striatal uptake data obtained with positron emission tomography and fluorine-18-L-6-fluorodopa tracer in non-human primates, Pate BD; Snow BJ; Hewitt KA; et al, J Nucl Med 1991; **32:** 1246

Radionuclide imaging, in diagnosis of neoplasms

bone scans with one or two new abnormalities in cancer patients with no known metastases: reliability of interpretation of initial correlative radiographs, Jacobson AF; Stomper PC; Cronin EB; Kaplan WD, Radiology 1990; **174:** 503

improved tumor imaging with radiolabeled monoclonal antibodies by plasma clearance of unbound antibody with anti-antibody column, Lear JL; Kasliwal RK; Feyerabend AJ; Pratt JP; Bunn PA; Dienhart DG; Gonzalez R; Johnson TK; Bloedow DC; Maddock SW; Glenn SD, Radiology 1991; **179:** 509

metastatic colorectal cancer: radioimmunoscintigraphy with a stabilized In-111–labeled $F(ab')_2$ fragment of an anti-CEA monoclonal antibody, Lamki LM; Patt YZ; Rosenblum MG; Shanken LJ; Thompson LB; Schweighardt SA; Frincke JM; Murray JL, Radiology 1990; **174:** 147

modulation of liver tumor blood flow with hepatic arterial epinephrine: a SPECT study, Andrews JC; Walker-Andrews SC; Juni JE; Warber S; Ensminger WD, Radiology 1989; **173:** 645

nuclear medicine. RSNA '88 meeting notes, Mettler FA Jr; Alderson PO; Brown ML; Miller TR; Tumeh SS; Welch DM, Radiology 1989; **170:** 604

nuclear medicine. RSNA '89 meeting notes, Mettler FA Jr; Hartshorne MF; Miller TR; Spies WG; Tumeh SS, Radiology 1990; **174:** 607

primary and metastatic breast carcinoma: initial clinical evaluation with PET with the radiolabeled glucose analogue 2-[F-18]-fluoro-2-deoxy-D-glucose, Wahl RL; Cody RL; Hutchins GD; Mudgett EE, Radiology 1991; **179:** 765

Radionuclide imaging, in infants and children

antenatal diagnosis of pelvic hydronephrosis: assessment of renal function and drainage as a guide to management, Gordon I; Dhillon HK; Gatanash H; et al, J Nucl Med 1991; **32:** 1649

brain single photon emission computed tomography in neonates, Denays R; Van Pachterbeke T; Tondeur M; et al, J Nucl Med 1989; **30:** 1337

cerebral palsy: initial experience with Tc-99m HMPAO SPECT of the brain, Denays R; Tondeur M; Toppet V; Ham H; Piepsz A; Spehl M; Rubinstein M; Noel P, Radiology 1990; **175:** 111

comparison of technetium-99m MIBI and thallium-201 chloride myocardial scintigraphy in infants, Flynn BM; Wernovsky G; Summerville DA; et al, J Nucl Med 1989; **30:** 1176

consolidating the role of *I-MIBG-scintigraphy in childhood neuroblastoma: five years of clinical experience, Jacobs A; Delree M; Desprechins B; et al, Pediatr Radiol 1990; **20:** 157

correlative pediatric imaging, Garty I; Delbeke D; Sandler MP, J Nucl Med 1989; **30:** 15

estimation of glomerular filtration rate in infants and in children using a single-plasma sample method, Ham HR; Piepsz A, J Nucl Med 1991; **32:** 1294

estimation of technetium-99m-MAG_3 renal clearance in children: two gamma camera techniques compared with multiple plasma samples, Gordon I; Anderson PJ; Orton M; et al, J Nucl Med 1991; **32:** 1704

I-123 iofetamine single photon emission tomography in school-age children with difficult-to-control seizures, Gelfand MJ; Stowens DW, Clin Nucl Med 1990; **14:** 675

misleading appearances of the bladder on pediatric genitourinary imaging, Orzel JA; Weinberger E, Clin Nucl Med 1990; **14:** 671

pediatric radiology. RSNA '90 meeting notes, Wood BP; Bisset G III; McAlister W; Miller JH; Nelson MD Jr; Newman B; Slovis TL; Towbin R, Radiology 1991; **178:** 596

pediatric solid tumors: evaluation by gallium-67 SPECT studies, Rossleigh MA; Murray IPC; Mackey DWJ; et al, J Nucl Med 1990; **31:** 168

simplified methods for renal clearance in children: scaling for patient size, Russell CD; Dubovsky EV; Scott JW, J Nucl Med 1991; **32:** 1821

subperiosteal abscess in children: scintigraphic appearance, Allwright SJ; Miller JH; Gilsanz V, Radiology 1991; **179:** 725

Tc-99m HMPAO SPECT of the brain in the neonate, Fockele DS; Baumann RJ; Shih W-J; et al, Clin Nucl Med 1990; **15:** 175

use of indium-111 oxine platelet scintigraphy and survival studies in pediatric patients with thrombocytopenia, Castle VP; Shulkin BL; Coates G; et al, J Nucl Med 1989; **30:** 1819

Radionuclide imaging, intraoperative

intraoperative radioactive localization of an osteoid osteoma: a useful variation in technique, Todd BD; Godfrey LW; Bodley RN, Br J Radiol 1989; **62:** 187

intraoperative scintigraphy for active small intestinal bleeding, (ab), Biener A; Palestro C; Lewis BS; et al, Radiology 1991; **179:** 588

technique for intraoperative bone scintigraphy: a report of 17 cases, Klonecke AS; Licho R; McDougall IR, Clin Nucl Med 1991; 16: 482

therapeutic embolization: enhanced radiolabeled monitoring, duCret RP; Adkins MC; Hunter DW; Yedlicka JW; Engeler CM; Castaneda-Zuniga WR; Amplatz K; Sitt SA; Boudreau RJ; Kuni CC; White JG, Radiology 1990; 177: 571

Radionuclide imaging, physics

attenuation and scatter correction in SPECT for sources in a nonhomogeneous object: a Monte Carlo study, Ljungberg M; Strand S-E, J Nucl Med 1991; 32: 1278

role of phosphate-containing compounds in the transfer of indium-111 and gallium-67 from transferrin to ferritin, Weiner RE, J Nucl Med 1989; 30: 70

treatment of Compton scattering in maximum-likelihood, expectation-maximization reconstruction of SPECT images, Bowsher JE; Floyd CE Jr, J Nucl Med 1991; 32: 1285

Radionuclide imaging, quality assurance

quality assurance in a nuclear medicine department, Lamki LM; Haynie TP; Podoloff DA; Kim EE, Radiology 1990; 177: 609

Radionuclide imaging, radiation dose

absorbed dose calculations to blood and blood vessels for internally deposited radionuclides, Akabani G; Poston JW Sr, J Nucl Med 1991; 32: 830

estimates of beta absorbed fractions in small tissue volumes for selected radionuclides, Akabani G; Poston JW Sr; Bolch WE, J Nucl Med 1991; 32: 835

estimates of radiation absorbed dose for intraperitoneally administered iodine-131 radiolabeled B72.3 monoclonal antibody in patients with peritoneal carcinomatoses, Larson SM; Carrasquillo JA; Colcher DC; et al, J Nucl Med 1991; 32: 1661

estimation of absorbed doses in humans due to intravenous administration of fluorine-18-fluorodeoxyglucose in PET studies, Mejia AA; Nakamura T; Masatoshi I; et al, J Nucl Med 1991; 32: 699

primary lung cancer: biodistribution and dosimetry of two In-111–labeled monoclonal antibodies, Brown PH; Krishnamurthy GT; Turner FE; Denney RK; Gilbert SA; Slauson ME, Radiology 1989; 173: 701

radiation absorbed dose calculations for samarium-153-EDTMP localized in bone, Heggie JCP, J Nucl Med 1991; 32: 840

radiation absorbed dose from technetium-99m-labeled bone imaging agents, Weber DA; Makler PT Jr; Watson EE; et al, J Nucl Med 1989; 30: 1117

radiation dose to the bladder wall from 2-[^{18}F] fluoro-2-deoxy-D-glucose in adult humans, Dowd MT; Chen C-T; Wendel MJ; et al, J Nucl Med 1991; 32: 707

radiation dosimetry for the adult female and fetus from iodine-131 administration in hyperthyroidism, Stabin MG; Watson EE; Marcus CS; et al, J Nucl Med 1991; 32: 808

Radionuclide imaging, technology

changes in quantitative SPECT thallium-201 results associated with the use of energy-weighted acquisition, Floyd JL; Mann RB; Shaw A, J Nucl Med 1991; 32: 805

clinical radionuclide bone imaging, Holder LE, Radiology 1990; 176: 607

collimator angulation error and its effect on SPECT, Malmin RE; Stanley PC; Guth WR, J Nucl Med 1990; 31: 655

comparison of techniques for thallium-201–technetium-99m parathyroid imaging, Brownless SM; Gimlette TMD, Br J Radiol 1989; 62: 532

computer-assisted superimposition of magnetic resonance and high-resolution technetium-99m-HMPAO and thallium-201 SPECT images of the brain, Holman BL; Zimmerman RE; Johnson KA; et al, J Nucl Med 1991; 32: 1478

cone-beam transmission computed tomography for nonuniform attenuation compensation of SPECT images, Manglos SH; Bassano DA; Thomas FD, J Nucl Med 1991; 32: 1813

continuous-slice PENN-PET: a positron tomograph with volume imaging capability, Karp JS; Muehllehner G; Mankoff DA; et al, J Nucl Med 1990; 31: 617

count rate performance of a multiwire gamma camera measured by a decaying source method with 9.3-minute tantalum-178, Adams R; Lacy JL; Ball ME; et al, J Nucl Med 1990; 31: 1723

design and performance of POSICAM 6.5 BGO positron camera, Mullani NA; Gould KL; Hartz RK; et al, J Nucl Med 1990; 31: 610

determination of weighting functions for energy-weighted acquisition, DeVito RP; Hamill JJ, J Nucl Med 1991; 32: 343

development and biologic evaluation of a kit for preformed chelate technetium-99m radiolabeling of an antibody Fab fragment using a diamide dimercaptide chelating agent, Kasina S; Rao TN; Srinivasan A; et al, J Nucl Med 1991; 32: 1445

dynamic acquisition with a three-headed SPECT system: application to technetum 99m-SQ30217 myocardial imaging, Nakajima K; Taki J; Bunko H; et al, J Nucl Med 1991; 32: 1273

dynamic geometric mean studies using a single headed rotating gamma camera, Bailey DL; Fulton RR; Jackson CB; et al, J Nucl Med 1989; 30: 1865

effect of exercise supplementation on dipyridamole thallium-201 image quality, Stern S; Greenberg ID; Corne R, J Nucl Med 1991; 32: 1559

energy-weighted acquisition of scintigraphic images using finite spatial filters, DeVito RP; Hamill JJ; Treffert JD; et al, J Nucl Med 1989; 30: 2029

evaluation of a clinical scintillation camera with pulse tail extrapolation electronics, Lewellen TK; Bice AN; Pollard KR; et al, J Nucl Med 1989; 30: 1554

evaluation of routine telephone transmission of nuclear medicine studies, Orlin JA; Tal I; Parker JA; et al, Clin Nucl Med 1989; 14: 22

full-field modular gamma camera, Milster TD; Aarsvold JN; Barrett HH; et al, J Nucl Med 1990; 31: 632

hurdles to technology diffusion: what are expectations for PET?, McGivney WT, J Nucl Med 1991; 32: 660

measurement of receptor concentration and forward-binding rate constant via radiopharmacokinetic modeling of technetium-99m-galactosyl-neoglycoalbumin, Vera DR; Stadalnik RC; Trudeau WL; et al, J Nucl Med 1991; 32: 1169

new apparatus for brain imaging: four-head rotating gamma camera single-photon emission computed tomograph, Kimura K; Hashikawa K; Etani H; et al, J Nucl Med 1990; 31: 603

noninvasive method to obtain input function for measuring tissue glucose utilizaton of thoracic and abdominal organs, Ohtake T; Kosaka N; Watanabe T; et al, J Nucl Med 1991; 32: 1432

perfusion and function at rest and treadmill exercise using technetium-99m-sestamibi: comparison of one- and two-day protocols in normal volunteers, Borges-Neto S; Coleman RE; Jones RH, J Nucl Med 1990; 31: 1128

phantom feet on digital radionuclide images and other scary computer tales, Freitas JE; Dworkin HJ; Dees SM; et al, J Nucl Med 1989; 30: 1559

prone decubitus: a solution to inferior wall attenuation in thallium-201 myocardial tomography, Esquerré J-P; Coca FJ; Martínez SJ; et al, J Nucl Med 1989; 30: 398

segmented attenuation correction for PET, Xu EZ; Mullani NA; Gould KL; et al, J Nucl Med 1991; 32: 161

three-dimensional display in nuclear medicine and radiology, Wallis JW; Miller TR, J Nucl Med 1991; 32: 534

three-dimensional simulations of multidetector point-focusing SPECT imaging, Kim H-J; Zeeberg BR; Loew MH; et al, J Nucl Med 1991; 32: 333

validation of in vivo receptor measurements via in vitro radioassay: technetium-99m-galactosyl-neoglycoalbumin as prototype model, Kudo M; Vera DR; Trudeau WL; et al, J Nucl Med 1991; 32: 1177

validation of simultaneous PET emission and transmission scans, Thompson CJ; Ranger N; Evans AC; et al, J Nucl Med 1991; 32: 154

Radionuclide imaging, transit studies

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; 179: 389

Radionuclides

See also Radionuclide imaging; Therapeutic radiology

20-[^{18}F]fluoromibolerone, a positron-emitting radiotracer for androgen receptors: synthesis and tissue distribution studies, Liu A; Katzenellenbogen JA; VanBrocklin HF; et al, J Nucl Med 1991; 32: 81

absorbed dose calculations to blood and blood vessels for internally deposited radionuclides, Akabani G; Poston JW Sr, J Nucl Med 1991; 32: 830

assessment of the purity of d,l HM-PAO from diastereomeric mixtures using NMR techniques, Feinstein-Jaffe I; Boazi M; Tor Y, J Nucl Med 1989; 30: 106

beta dose point kernals for radionuclides of potential use in radioimmunotherapy, Prestwich WV; Nunes J; Kwok CS, J Nucl Med 1989; 30: 1036

carcinoid tumors: iodine-131 MIBG scintigraphy, Hanson MW; Feldman JM; Blinder RA; Moore JO; Coleman RE, Radiology 1989; 172: 699

chemical identity of pentavalent technetium-99m-dimercaptosuccinic acid, Blower PJ; Singh J; Clarke SEM, J Nucl Med 1991; 32: 845

chemistry of ^{99m}Tc-labeled radiopharmaceuticals, Dewanjee MK, Semin Nucl Med 1990; 20: 5

clinical experience with technetium 99m teboroxime, Johnson LL, Semin Nucl Med 1991; 21: 182

current and future radiopharmaceuticals for brain imaging with single photon emission computed tomography, Kung HF; Ohmomo Y; Kung M-P, Semin Nucl Med 1990; 20: 290

diagnostic isotopes: prospects for improved agents, Eckelman WC, Invest Radiol 1989; 24: 252

differences in the intracellular processing of the radiolabel following the uptake of iodine-125- and technetium-99m-neogalactosyl albumin by the isolated perfused rat liver, Gore S; Morris AI; Gilmore IT; et al, J Nucl Med 1991; 32: 506

diuresis renography: a simultaneous comparison between ^{131}I-hippuran and ^{99m}Tc-MAG$_3$, Hvid-Jacobsen K; Thomsen HS; Nielsen SL, Acta Radiol 1990; 31: 83

effect of mitochondrial and plasma membrane potentials on accumulation of hexakis (2-methoxyisobutylisonitrile)technetium(I) in cultured mouse fibroblasts, Chiu ML; Kronauge JF; Piwnica-Worms D, J Nucl Med 1990; 31: 1646

endoxin testing with limulus amoebocyte lysate in a radiopharmaceutical containing chelated metallic radionuclides and chelating agents, Dewanjee MK; Chowdhury SC; Herold T; et al, J Nucl Med 1990; 31: 243

estimates of beta absorbed fractions in small tissue volumes for selected radionuclides, Akabani G; Poston JW Sr; Bolch WE, J Nucl Med 1991; 32: 835

estimation of technetium-99m-MAG$_3$ plasma clearance in adults from one or two blood samples, Russell CD; Taylor A; Eshima D, J Nucl Med 1989; 30: 1955

evaluation of a potential generator-produced PET tracer for cerebral perfusion imaging: single-pass cerebral extraction measurements and imaging with radiolabeled Cu-PTSM, Mathias CJ; Welch MJ; Raichle ME; et al, J Nucl Med 1990; 31: 351

high specific activity [Samarium-153] EDTA for imaging of experimental tumor models, Tse JW; Wiebe LI; Noujaim AA, J Nucl Med 1989; 30: 202

imaging of the heart using metaiodobenzylguanidine, Dae MW; Botvinick EH, J Thorac Imag 1990; 5-3: 31

inhomogeneous deposition of radiopharmaceuticals at the cellular level: experimental evidence and dosimetric implications, Makrigiorgos GM; Ito S; Baranowska-Kortylewicz J; et al, J Nucl Med 1990; 31: 1358

investigation of physicochemical and in-vivo behavior of diastereomeric iron-59, gallium-68, and indium-111-EHPG trivalent metal complexes, Madsen SL; Bannochie CJ; Martell AE; et al, J Nucl Med 1990; **31:** 1662

in vitro and in vivo characteristics of [iodine-125] 3-(R)-quinuclidinyl (S)-4-iodobenzilate, Gibson RE; Schneidau TA; Cohen VI; et al, J Nucl Med 1989; **30:** 1079

kit formulation for preparation of iodine-123-IBZM: a new CNS D-2 dopamine receptor imaging agent, Kung M-P; Liu B-L; Yang Y-Y; et al, J Nucl Med 1991; **32:** 339

lipoprotein incorporation enhances radioiodinated cholesteryl ester uptake into steroid hormone-secreting tissues, Counsell RE; Schwendner SW; Gross MD; et al, J Nucl Med 1989; **30:** 1088

measurement of receptor concentration and forward-binding rate constant via radiopharmacokinetic modeling of technetium-99m-galactosyl-neoglycoalbumin, Vera DR; Stadalnik RC; Trudeau WL; et al, J Nucl Med 1991; **32:** 1169

new zinc-62/copper-62 generator as a copper-62 source for PET radiopharmaceuticals, Fujibayashi Y; Matsumoto K; Yonekura Y; et al, J Nucl Med 1989; **30:** 1838

no-carrier-added carbon-11-labeled *sn*-1,2- and *sn*-1,3-diacylglycerols by [^{11}C]propyl ketene method, Imahori Y; Fujii R; Ueda S; et al, J Nucl Med 1991; **32:** 1622

no-carrier-added regioselective preparation of 6-[^{18}F]fluoro-L-dopa, Lemaire C; Guillaume M; Cantineau R; et al, J Nucl Med 1990; **31:** 1247

nuclear medicine comes of age: its present and future roles in diagnosis, McAfee JG; Kopecky RT; Frymoyer PA, Radiology 1990; **174:** 609

perfusion and function at rest and treadmill exercise using technetium-99m-sestamibi: comparison of one- and two-day protocols in normal volunteers, Borges-Neto S; Coleman RE; Jones RH, J Nucl Med 1990; **31:** 1128

pharmacokinetics and biodistribution of technetium-99m(V)dimercaptosuccinic acid in an animal tumor model, Watkinson JC; Allen SJ; Laws DE; et al, J Nucl Med 1991; **32:** 1235

pharmacokinetics of technetium-99m-MAG$_3$ in humans, Bubeck B; Brandau W; Weber E; et al, J Nucl Med 1990; **31:** 1285

potential of 2-deoxy-2[^{18}F]fluoro-D-glucose (FDG) for the detection of tumor involvement in lymph nodes, Wahl RL; Kaminski MS; Ethier SP; et al, J Nucl Med 1990; **31:** 1831

production of radionuclides for medicine, Rayudu GVS, Semin Nucl Med 1990; **20:** 100

quantitative study of radioiodinated metaiodobenzylguanidine uptake in children with neuroblastoma: correlation with tumor histopathology, Moyes JSE; Babich JW; Carter R; et al, J Nucl Med 1989; **30:** 474

radiation detector probes for tumor localization using tumor-seeking radioactive tracers, Woolfenden JM; Barber HB, AJR 1989; **153:** 35

radioiodinated tracers for myocardial imaging, Kulkarni PV; Corbett JR, Semin Nucl Med 1990; **20:** 119

radiopharmaceuticals for imaging myocardial perfusion, Nunn AD, Semin Nucl Med 1990; **20:** 111

radiopharmaceuticals for thrombus detection, Knight LC, Semin Nucl Med 1990; **20:** 52

sensitivity of technetium-99m-d,l-HMPAO to radiolysis in aqueous solutions, Tubergen K; Corlija M; Volkert WA; et al, J Nucl Med 1991; **32:** 111

sex-dependent differences in N-(3-[^{18}F]fluoropropyl)-N-nordiprenorphine biodistribution and metabolism, Chesis PL; Griffeth LK; Mathias CJ; et al, J Nucl Med 1990; **31:** 192

strategy for the study of cerebral amino acid transport using iodine-123-labeled amino acid radiopharmaceutical: 3-iodo-alpha-methyl-L-tyrosine, Kawai K; Fujibayashi Y; Saji H; et al, J Nucl Med 1991; **32:** 819

synthesis and preliminary evaluaton of carbon-11-meta-hydroxyephedrine: a false transmitter agent for heart neuronal imaging, Rosenspire KC; Haka MS; Van Dort ME; et al, J Nucl Med 1990; **31:** 1328

^{99m}Tc-low density lipoprotein: intracellularly trapped radiotracer for noninvasive imaging of low density lipoprotein metabolism in vivo, Vallabhajosula S; Goldsmith SJ, Semin Nucl Med 1990; **20:** 68

^{99m}Tc renal tubular function agents: current status, Eshima D; Fritzberg AR; Taylor A Jr, Semin Nucl Med 1990; **20:** 28

technetium-99m ECD: a new brain imaging agent: in vivo kinetics and biodistribution studies in normal human subjects, Vallabhajosula S; Zimmerman RE; Picard M; et al, J Nucl Med 1989; **30:** 599

technetium-99m-MRP20, a potential brain perfusion agent: in vivo biodistribution and SPECT studies in normal male volunteers, Bossuyt A; Morgan GF; Debladon M; et al, J Nucl Med 1991; **32:** 399

technetium-99m-MRP20, a potential brain perfusion agent: in vivo biodistribution and SPECT studies in non-primate animals, Morgan GF; Debladon M; Clemens P; et al, J Nucl Med 1991; **32:** 500

technetium 99m sestamibi in the assessment of acute myocardial infarction, Gibbons RJ, Semin Nucl Med 1991; **21:** 213

technetium 99m sestamibi in the assessment of chronic coronary artery disease, Berman DS; Kiat H; Van Train K; et al, Semin Nucl Med 1991; **21:** 190

update on radiopharmaceuticals for medical imaging, McAfee JG, Radiology 1989; **171:** 593

validation of in vivo receptor measurements via in vitro radioassay: technetium-99m-galactosyl-neoglycoalbumin as prototype model, Kudo M; Vera DR; Trudeau WL; et al, J Nucl Med 1991; **32:** 1177

Radionuclides, comparative studies

cardiac blood-pool scintigraphy in rats and hamsters: comparison of five radiopharmaceuticals and three pinhole collimator apertures, Pieri P; Fischman AJ; Ahmad M; et al, J Nucl Med 1991; **32:** 851

comparative study of renal scintigraphy and clearance with technetium-99m-MAG$_3$ and iodine-123-hippurate in patients with renal disorders, Müller-Suur R; Bois-Svensson I; Mesko L, J Nucl Med 1990; **31:** 1811

comparison of 1073 MBq and 3700 MBq iodine-131 in postoperative ablation of residual thyroid tissue in patients with differentiated thyroid cancer, Johansen K; Woodhouse NJY; Odugbesan O, J Nucl Med 1991; **32:** 252

comparison of different radioactive renal agents in cisplatin-induced tubular toxicity in rats, McAfee JG; Subramanian G; Thomas FD; et al, J Nucl Med 1989; **30:** 659

comparison of hypoxia of ouabain effects on the myocardial uptake kinetics of technetium-99m hexakis 2-methoxyisobutyl isonitrile and thallium-201, Meerdink DJ; Leppo JA, J Nucl Med 1989; **30:** 1500

comparison of indium-111 nonspecific polyclonal IgG with indium-111-leukocytes in a canine osteomyelitis model, Schauwecker DS; Carlson KA; Miller GA; et al, J Nucl Med 1991; **32:** 1394

comparison of myocardial imaging with iodine-123-iodophenyl-9-methyl pentadecanoic acid and thallium-201-chloride for assessment of patients with exercise-induced myocardial ischemia, Chouraqui P; Maddahi J; Henkin R; et al, J Nucl Med 1991; **32:** 447

comparison of oral iodine-131-cellulose and indium-111-DTPA as tracers for colon transit scintigraphy: analysis by colon activity profiles, Smart RC; McLean RG; Gaston-Parry D; et al, J Nucl Med 1991; **32:** 1668

comparison of Tc-99m MAG$_3$ and Tc-99m DTPA in renal transplant patients with impaired renal function, Taylor A Jr; Ziffer JA; Eshima D, Clin Nucl Med 1990; **15:** 371

comparison of technetium-99m MIBI and thallium-201 chloride myocardial scintigraphy in infants, Flynn BM; Wernovsky G; Summerville DA; et al, J Nucl Med 1989; **30:** 1176

detection of abnormalities in febrile AIDS patients with In-111–labeled leukocyte and Ga-67 scintigraphy, Fineman DS; Palestro CJ; Kim CK; Needle LB; Vallabhajosula S; Solomon RW; Goldsmith SJ, Radiology 1989, **170:** 677

infected knee prosthesis: diagnosis with In-111 leukocyte, Tc-99m sulfur colloid, and Tc-99m MDP imaging, Palestro CJ; Swyer AJ; Kim CK; Goldsmith SJ, Radiology 1991; **179:** 645

in vivo comparison of copper blood-pool agents: potential radiopharmaceuticals for use with copper-62, Mathias CJ; Welch MJ; Green MA; et al, J Nucl Med 1991; **32:** 475

kit preparation of technetium-99m-mercaptoacetyltriglycine: analysis, biodistribution and comparison with technetium-99m-DTPA in patients with impaired renal function, Bannister KM; Penglis S; Bellen JC; et al, J Nucl Med 1990; **31:** 1568

metabolic imaging with gallium-68- and indium-111-labeled low-density lipoprotein, Moerlein SM; Daugherty A; Sobel BE; et al, J Nucl Med 1991; **32:** 300

myocardial perfusion imaging with a new radiotracer, technetium-99m-hexamibi (methoxy isobutyl isonitrile): comparison with thallium-201 imaging, Taillefer R; Dupras G; Sporn V; et al, Clin Nucl Med 1989; **14:** 89

quantitative planar imaging with technetium-99m methoxyisobutyl isonitrile: comparison of uptake patterns with thallium-201, Sinusas AJ; Beller GA; Smith WH; et al, J Nucl Med 1989; **30:** 1456

radiopharmaceuticals for radiation synovectomy: evaluation of two yttrium-90 particulate agents, Davis MA; Chinol M, J Nucl Med 1989; **30:** 1047

reproducibility of image interpretation in immunoscintigraphy performed with indium-111- and iodine-131-labeled OC125 F(ab')$_2$ antibody injected into the same patients, Vuillez J-P; Peltier P; Mayer J-C; et al, J Nucl Med 1991; **32:** 221

technetium-99m hexakis 2-methoxyisobutyl isonitrile: human biodistribution, dosimetry, safety, and preliminary comparison to thallium-201 for myocardial perfusion imaging, Wackers FJT; Berman DS; Maddahi J; et al, J Nucl Med 1989; **30:** 301

technetium-99m HM-PAO-labeled leukocytes in detection of inflammatory lesions: comparison with gallium-67 citrate, Vorne M; Soini I; Lantto T; et al, J Nucl Med 1989; **30:** 1332

update on radiopharmaceuticals for medical imaging, McAfee JG, Radiology 1989; **171:** 593

uptake of myocardial imaging agents by rejecting and nonrejecting cardiac transplants. a comparative clinical study of thallium-201, technetium-99m, and gallium-67, Yamamoto S; Bergsland J; Michalek SM; et al, J Nucl Med 1989; **30:** 1464

Radionuclides, complications

clinical and clinicopathologic effects of samarium-153-EDTMP administered intravenously to normal beagle dogs, Lattimer JC; Corwin LA Jr; Stapleton J; et al, J Nucl Med 1990; **31:** 586

excretion of iodine-123-hippuran, technetium-99m-red blood cells, and technetium-99m-macroaggregated albumin into breast milk, Rose MR; Prescott MC; Herman KJ, J Nucl Med 1990; **31:** 978

mischief of free Tc-99m in DTPA renal study, Mochizuki T; Fabiszewski NW; Shah AN; et al, Clin Nucl Med 1991; **16:** 455

radiation toxicity of indium-111-2-mercaptopyridine-N-oxide on HeLa S-3 cells, Hong SS; Ford EH; Greenspan B, Br J Radiol 1989; **62:** 468

Radionuclides, therapeutic

application of the linear-quadratic model with incomplete repair to radionuclide directed therapy, Millar WT, Br J Radiol 1991; **64:** 242

clinical and clinicopathologic effects of samarium-153-EDTMP administered intravenously to normal beagle dogs, Lattimer JC; Corwin LA Jr; Stapleton J; et al, J Nucl Med 1990; **31:** 586

hepatocellular carcinoma: pilot trial of treatment with Y-90 microspheres, Houle S; Yip T-CK; Shepherd FA; Rotstein LE; Sniderman KW; Theis E; Cawthorn RH; Richmond-Cox K, Radiology 1989; **172:** 857

intraoperative I-125 seed implantation for extensive recurrent head and neck carcinomas, Lee D-J; Liberman FZ; Park RI; Zinreich ES, Radiology 1991; **178:** 879

iodine-125-MIBG to treat neuroblastoma: preliminary report, Sisson JC; Hutchinson RJ; Shapiro B; et al, J Nucl Med 1990; **31:** 1479

Re-186(Sn) HEDP for treatment of painful osseous metastases: initial clinical experience in 20 patients with hormone-resistant prostate cancer, Maxon HR III; Schroder LE; Thomas SR; Hertzberg VS; Deutsch EA; Scher HI; Samaratunga RC; Libson KF; Williams CC; Moulton JS; Schneider HJ, Radiology 1990; **176:** 155

therapeutic radionuclides: production and decay property considerations, Volkert WA; Goeckeler WF; Ehrhardt GJ; et al, J Nucl Med 1991; **32:** 174

treatment of essential thrombocythaemia with radioactive phosphorus, Wagner S; Waxman J; Sikora K, Clin Radiol 1989; **40:** 190

treatment planning for internal radionuclide therapy: three-dimensional dosimetry for nonuniformly distributed radionuclides, Sgouros G; Barest G; Thekkumthala J; et al, J Nucl Med 1990; **31:** 1884

Radiopharmaceuticals

See Radionuclides

Radiosensitivity

5-fluorouracil modulation of radiosensitivity in cultured human carcinoma cells, Smalley SR; Kimler BF; Evans RG, Int J Radiat Oncol Biol Phys 1991; **20:** 207

abnormal clinical pharmacokinetics of the developmental radiosensitizers pimonidazole (Ro 03-8799) and etanidazole (SR 2508), Maughan TS; Newman HFV; Bleehen NM; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1151

accelerated elimination of pimonidazole following microsomal enzyme induction in mice: a possible approach to reduced neurotoxicity of the pimonidazole-etanidazole combination, Workman P, Int J Radiat Oncol Biol Phys 1989; **16:** 1011

aerobic radiosensitization by SR 4233 *in vitro* and *in vivo*, Zeman EM; Lemmon MJ; Brown JM, Int J Radiat Oncol Biol Phys 1990; **18:** 125

application of non-hypoxic cell sensitizers in radiobiology and radiotherapy: rationale and future prospects, Iliakis G; Kurtzman S, Int J Radiat Oncol Biol Phys 1989; **16:** 1235

assessment of the repair and damage of DNA induced by parent and reduced RSU-1069, a 2-nitroimidazole-aziridine, O'Neill P; Cunniffe SMT, Int J Radiat Oncol Biol Phys 1989; **16:** 963

auger electron contribution to bromodeoxyuridine cellular radiosensitization, Larson D; Bodell WJ; Ling C; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 171

biodistribution of misonidazole and 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU) in rats bearing unclamped and clamped 9L subcutaneous tumors, Wong K-H; Wallen CA; Wheeler KT, Int J Radiat Oncol Biol Phys 1989; **17:** 135

calcium antagonists as radiation modifiers: site specificity in relation to tumor response, Wood PJ; Hirst DG, Int J Radiat Oncol Biol Phys 1989; **16:** 1141

cellular radiosensitivity in V79 cells is linked to alterations in chromatin structure, Gordon DJ; Milner AE; Beaney RP; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1199

cellular radiosensitivity of primary head and neck squamous cell carcinomas and local tumor control, Brock WA; Baker FL; Wike JL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1283

characteristics of fluorinated nitroazoles as hypoxic cell radiosensitizers, Shibamoto Y; Nishimoto S-I; Shimokawa K; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1045

chemical manipulations of tissue oxygenation for therapeutic benefit, Guichard M, Int J Radiat Oncol Biol Phys 1989; **16:** 1125

chlorophenoxy acetic acid derivatives as hemoglobin modifiers and tumor radiosensitizers, Hirst DG; Wood PJ, Int J Radiat Oncol Biol Phys 1989; **16:** 1183

chronic anaemia, hyperbaric oxygen and tumour radiosensitivity, McCormack M; Nias AHW; Smith E, Br J Radiol 1990; **63:** 752

combined radiation-protective and radiation-sensitizing agents IV: measurement of intracellular protector concentrations, Koch CJ; Stobbe CC; Hettiaratchi P, Int J Radiat Oncol Biol Phys 1989; **16:** 1025

comparison between *in vitro* radiosensitivity and *in vivo* radioresponse of murine tumor cell lines I: parameters of *in vitro* radiosensitivity and endogenous cellular glutathione levels, Bristow RG; Hardy PA; Hill RP, Int J Radiat Oncol Biol Phys 1990; **18:** 133

comparison between *in vitro* radiosensitivity and *in vivo* radioresponse in murine tumor cell lines II: *in vivo* radioresponse following fractionated treatment and *in vitro*/*in vivo* correlations, Bristow RG; Hill RP, Int J Radiat Oncol Biol Phys 1990; **18:** 331

comparison of heat and radiation sensitivity of three human glioma cell lines, Raaphorst GP; Feeley MM; Da Silva VF; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 615

comparison of radiosensitization by etanidazole and pimonidazole in mouse tumors, Stone HB; Hirst VK; Cribbs R; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 987

correlation of exposure time, concentration and incorporation of IdUrd in V-79 cells with radiation response, Phillips TL; Bodell WJ; Uhl V; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1251

demonstration of tumor-selective retention of fluorinated nitroimidazole probes by ^{19}F magnetic resonance spectroscopy *in vivo*, Maxwell RJ; Workman P; Griffiths JR, Int J Radiat Oncol Biol Phys 1989; **16:** 925

dependence of halogenated pyrimidine incorporation and radiosensitization on the duration of drug exposure, Lawrence TS; Davis MA; Maybaum J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1393

drug resistance following irradiation of RIF-1 tumors: influence of the interval between irradiation and drug treatment, Hopwood LE; Davies BM; Moulder JE, Int J Radiat Oncol Biol Phys 1990; **19:** 643

effect of environmental conditions (pH, oxygenation, and temperature) on misonidazole cytotoxicity and radiosensitization *in vitro* and *in vivo* in FSAIIC fibrosarcoma, Holden SA; Teicher BA; Herman TS, Int J Radiat Oncol Biol Phys 1991; **20:** 1031

effect of glutathione (GSH) depletion *in vivo* by buthionine sulfoximine (BSO) on the radiosensitization of SR 2508, Kramer RA; Soble M; Howes AE; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1325

effect of host age on microenvironmental heterogeneity and efficacy of combined modality therapy in solid tumors, Rockwell S; Hughes CS; Kennedy KA, Int J Radiat Oncol Biol Phys 1991; **20:** 259

effect of lonidamine (LND) on radiation and thermal responses of human and rodent cell lines, Raaphorst GP; Feeley MM; Danjoux CE; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 509

effect of normobaric oxygen on tumor radiosensitivity: fractionated studies, Rojas A; Carl U; Reghebi K, Int J Radiat Oncol Biol Phys 1990; **18:** 547

effect of pH, oxygenation, and temperature on the cytotoxicity and radiosensitization by etanidazole, Teicher BA; Herman TS; Holden SA, Int J Radiat Oncol Biol Phys 1991; **20:** 723

effect of the oxic cell sensitizer β-AraA on human fibroblasts in plateau and in exponential growth phases, Malaise EP; Debieu D; Chavaudra N; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1257

effect of α-tocopherol and α-tocopheryl quinone on the radiosensitivity of thiol-depleted mammalian cells, Hodgkiss RJ; Stratford MRL; Watfa RR, Int J Radiat Oncol Biol Phys 1989; **16:** 1297

effect of varying the concentration of damage restituting species in the radical repair model, Epp ER; Held KD; Clark EP; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1219

effect of vincristine or bleomycin on radiation-induced cell killing of mice spermatogonial stem cells: the importance of sequence and time interval, Hansen PV; Sørensen D, Int J Radiat Oncol Biol Phys 1991; **20:** 339

effects of high dose intraperitoneal cytosine arabinoside on the radiation tolerance of the rat spinal cord, Menten J; Landuyt W; van der Kogel AJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 131

effects of hydralazine on in vivo tumor energy metabolism, hematopoietic radiation sensitivity, and cardiovascular parameters, Okunieff P; Walsh CS; Vaupel P; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1145

effects of leucovorin and dipyridamole on fluoropyrimidine-induced radiosensitization, Lawrence TS; Heimburger DK; Shewach DS, Int J Radiat Oncol Biol Phys 1991; **20:** 377

enhanced DNA repair and tolerance of DNA damage associated with resistance to *cis*-diammine-dichloroplatinum (II) after *in vitro* exposure of a human teratoma cell line to fractionated x-irradiation, Hill BT; Shellard SA; Hosking LK; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 75

enhanced IUdR radiosensitization by ^{241}Am photons relative to ^{226}Ra and ^{125}I photons at 0.72 Gy/hr, Nath R; Bongiorni P; Rossi PI; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1377

enhanced synthesis of specific proteins, RNA, and DNA caused by hypoxia and reoxygenation, Wilson RE; Sutherland RM, Int J Radiat Oncol Biol Phys 1989; **16:** 957

enhancement of radiation damage in cellular DNA following unifilar substitution with iododeoxyuridine, Fornace AJ Jr; Dobson PP; Kinsella TJ, Int J Radiat Oncol Biol Phys 1990; **18:** 873

enhancement of radiation sensitivity in iododeoxyuridine labelled cells exposed to low energy x-rays, Sundell-Bergman S; Johanson KJ; Richter S; et al, Acta Oncol 1990; **29:** 623

epidermal growth factor modification of radioresistance related to cell-cell interactions, Kwok TT; Sutherland RM, Int J Radiat Oncol Biol Phys 1991; **20:** 315

estimation of plasma area under the curve for etanidazole (SR 2508) in toxicity prediction and dose adjustment, Workman P; Ward R; Maughan TS; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 177

evaluation of nitroimidazole hypoxic cell radiosensitizers in a human tumor cell line high in intracellular glutathione, DeGraff WG; Russo A; Gamson J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1021

experimental intra-arterial administration of SR-2508 in the rabbit V2 carcinoma model, Coldwell DM; Huff J; Marcellus H; et al, Br J Radiol 1989; **62:** 234

final reporty of the phase I trial of the hypoxic cell radiosensitizer SR 2508 (etanidazole) radiation therapy oncology group 83-03, Coleman CN; Wasserman TH; Urtasun RC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 389

fluorinated 2-nitroimidazole, KU-2285, as a new hypoxic cell radiosensitizer, Sasai K; Nishimoto S-i; Shimokawa K; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1249

fluorodeoxyuridine-induced radiosensitization and inhibition of DNA double strand break repair in human colon cancer cells, Bruso CE; Shewach DS; Lawrence TS, Int J Radiat Oncol Biol Phys 1990; **19:** 1411

fractionation sensitivity and immunological status in radiation treated murine sarcomas, Miralbell R; Zietman A; Okunieff P; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 867

gamma-irradiation response of cocultivated bone marrow stromal cell lines of differing intrinsic radiosensitivity, Santucci MA; Fitzgerald TJ; Harigaya K; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1083

glutathione and cysteine levels in human tumour biopsies, Guichard M; Lespinasse F; Estelin R; et al, Br J Radiol 1990; **63:** 557

glutathione depletion and cytotoxicity of buthionine sulphoximine and SR2508 in rodent and human cells, Ling CC; Wong RSL; Basas RD, Int J Radiat Oncol Biol Phys 1990; **18:** 325

heterogeneity in tumor microvascular response to radiation, Dewhirst MW; Oliver R; Tso CY; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 559

high efficiency of ferricenium salts as radiosensitizers of V79 cells *in vitro* and the KHT tumor *in vivo*, Joy AM; Goodgame DML; Stratford IJ, Int J Radiat Oncol Biol Phys 1989; **16:** 1053

importance of tumor affinity of nitroazoles in hypoxic radiosensitization, Kagiya T; Nishimoto S-I; Shibamoto Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1033

influence of scheduling, dose, and volume of administration of a perfluorochemical emulsion on tumor response to radiation therapy, Teicher BA; Herman TS; Jones SM, Int J Radiat Oncol Biol Phys 1990; **19:** 945

inhibition of recovery from potentially lethal radiation damage in A549 cells by the K^+/H^+ ionophore nigericin, Varnes ME; Menegay HJ; McKenna DS, Int J Radiat Oncol Biol Phys 1991; **20:** 281

initial results of a phase I trial of continuous infusion SR 2508 (etanidazole): a radiation therapy oncology group study, Coleman CN; Noll L; Howes AE; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1085

initial slope of human tumor cell survical curves: its modification by the oxic cell sensitizer β-arabinofuranosyladenine, Chavaudra N; Halimi M; Parmentier C; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1267

instance of clinical radiation morbidity and cellular radiosensitivity, not associated with ataxia-telangiectasia, Plowman PN; Bridges BA; Arlett CF; et al, Br J Radiol 1990; **63:** 624

interaction between flavone acetic acid (LM-975, NSC 349512) and radiation in Glasgow's osteogenic sarcoma *in vivo*, De Neve W; Evelhoch J; Everett C; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1359

interaction between the microtubule inhibitor tubulozole and gamma-irradiation in murine tumors *in vivo*, Distelmans W; Van Ginckel R; Vanherck W; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 177

interaction of platinum drugs with clinically relevant x-ray doses in mammalian cells: a comparison of cisplatin, carboplatin, iproplatin, and tetraplatin, Skov K; MacPhail S, Int J Radiat Oncol Biol Phys 1991; **20:** 221

interaction of *trans*-DDP [$PtCl2(NH_3)_2$] with low doses of radiation in mammalian cells, Skov KA; Korbelik M; Palcic B, Int J Radiat Oncol Biol Phys 1989; **16:** 1281

intra-arterial bromodeoxyuridine radiosensitization of malignant gliomas, Hegarty TJ; Thornton AF; Diaz RF; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 421

intra-cerebral ventricular infusion of 5-iodo-2-deoxyuridine (IUDR) as a radiosensitizer in the treatment of a rat glioma, Deutsch M; Rewers AB; Redgate ES; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 85

intratumoral and parametrial infusion of metronidazole in the radiotherapy of uterine cervix cancer: preliminary report, Balmukhanov SB; Beisebaev AA; Aitkoolova ZI; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1061

in vitro radiation survival parameters of human colon tumor cells, Leith JT; Faulkner LA; Papa G; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 203

iododeoxyuridine (IdUrd) incorporation into DNA of human hematopoietic cells, normal liver and hepatic metastases in man: as a radiosensitizer and as a marker for cell kinetic studies, Speth PA; Kinsella TJ; Chang AE; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1247

is there a correlation between spin-lattice relaxation time and radiation sensitivity?, Akber SF, Acta Radiol 1990; **31:** 541

keynote address: glutathione modulation in cancer treatment: will it work?, Mitchell JB; Cook JA; DeGraff W; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1289

keynote address: hypoxic cell radiosensitizers: where next?, Brown JM, Int J Radiat Oncol Biol Phys 1989; **16:** 987

keynote address: hypoxic cell sensitizers: clinical developments, Dische S, Int J Radiat Oncol Biol Phys 1989; **16:** 1057

keynote address: mechanisms of cellular resistance to cytotoxic drugs and x-irradiation, Carmichael J; Hickson ID, Int J Radiat Oncol Biol Phys 1991; **20:** 197

keynote address: the influence of microenvironmental factors on the activity of radiation and drugs, Durand RE, Int J Radiat Oncol Biol Phys 1991; **20:** 253

KIH-802: 2-nitroimidazole-1-acetohydroxamate as a hypoxic cell radiosensitizer, Hori H; Murayama C; Mori T; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1029

lack of a differential radiation response for proliferative and non-proliferative rat thyroid cells (FRTL-5) *in vitro*, Brosing JW; Giese WL; Mulcahy RT, Int J Radiat Oncol Biol Phys 1989; **16:** 1511

lower radiosensitivity of mouse kidney cells irradiated *in vivo* than *in vitro*: a cell contact effect phenomenon, Jen Y-M; West CML; Hendry JH, Int J Radiat Oncol Biol Phys 1991; **20:** 1243

manipulations in the oxygen transport capacity of blood as a means of sensitizing tumors to radiation therapy, Siemann DW; Alliet KL; Macler LM, Int J Radiat Oncol Biol Phys 1989; **16:** 1169

measurement of radiosensitizer-induced changes in mouse tumor metabolism by ^{31}P magnetic resonance spectroscopy, Wood PJ; Counsell CJR; Bremner JCM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 291

metoclopramide enhances the effect of ionizing radiation on xenografted squamous cell carcinoma of the head and neck, Lybak S; Kjellén E; Wennerberg J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1419

microscopic and flow cytometric study of micronuclei in iododeoxyuridine labelled cells irradiated with soft x-rays, Ludwików G; Stålnacke CG; Johanson KJ; et al, Acta Oncol 1990; **29:** 761

modification of radiosensitivity and recovery from x ray damage *in vitro* by retinoic acid, Rutz HP; Little JB, Int J Radiat Oncol Biol Phys 1989; **16:** 1285

modification of SR 2508 sensitization in hypoxic V79 cells by manipulation of glutathione levels, Phillips TL; Mitchell JB; DeGraff WG; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1335

modification on the radiation response of pig skin by manipulation of tissue oxygen tension using anesthetics and administration of BW12C, van den Aardweg GJMJ; Hopewell JW; Barnes DWH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1191

modulation in the radiosensitivity of MCF-7 human breast carcinoma cells by 17B-estradiol and tamoxifen, Wazer DE; Tercilla OF; Lin P-S; et al, Br J Radiol 1989; **62:** 1079

multiple dose study of the combined radiosensitizers Ro 03-8799 (pimonidazole) and SR 2508 (etanidazole), Bleehen NM; Newman HFV; Maughan TS; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1093

multiple fractions of gamma rays induced resistance to cis-dichloro-diammineplatinum (II) and methotrexate in human HeLa cells, Osmak M; Perovic S, Int J Radiat Oncol Biol Phys 1989; **16:** 1537

new high O_2 carrying perfluorochemical emulsions and/or carbogen: reactions of a human tumor xenograft to irradiation, Thomas C; Lartigau E; Malaise EP; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1157

new high O_2 carrying perfluorochemical emulsions: toxicity, radiosensitivity of GM-CFC and development of metastases in mice, Lartigau E; Thomas C; Le Blanc M; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1153

NLP-1: a DNA intercalating hypoxic cell radiosensitizer and cytotoxin, Panicucci R; Heal R; Laderoute K; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1039

normobaric oxygen as a sensitizer of hypoxic tumor cells, Hong A; Rojas A; Dische S, Int J Radiat Oncol Biol Phys 1989; **16:** 1097

oncogenic transforming potential of nitroimidazole radiosensitizers, Hall EJ; Hei TK, Int J Radiat Oncol Biol Phys 1989; **16:** 1231

oral (po) dosing with RSU 1069 or RB 6145 maintains their potency as hypoxic cell radiosensitizers and cytotoxins but reduces systemic toxicity compared with parenteral (ip) administration in mice, Cole S; Stratford IJ; Bowler J; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 387

pharmacokinetics of etanidazole (SR-2508) in bladder and cervical cancer: evidence of diffusion from urine, Awwad HK; El Badawy S; El Baki HA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1083

phase I/II study of the hypoxic cell sensitizer misonidazole as an adjunct to high fractional dose radiotherapy in patients with unresectable squamous cell carcinoma of the head and neck: a RTOG randomized study (#79-04), Lee D-J; Pajak TF; Stetz J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 465

^{31}P NMR spectroscopy and HbO_2 cryospectrophotometry in prediction of tumor radioresistance caused by hypoxia, Rofstad EK; DeMuth P; Fenton BM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 919

possible relationship between chromosome alterations and *in vitro* cellular radiosensitivity of human malignant melanoma, McBride H; Stea B; Hill A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 349

potentiation of radiation effects on multicellular tumor spheroids (MTS) of HeLa cells on lonidamine, Kim JH; Kim SH; He SQ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1277

potentiation of radiation-induced cell kill by synthetic metalloporphyrins, O'Hara JA; Douple EB; Abrams MJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1049

pre- and post-irradiation radiosensitization by SR 4233, Zeman EM; Brown JM, Int J Radiat Oncol Biol Phys 1989; **16:** 967

protection of cultured Chinese hamster ovary cells by the aminothiol WR-255591 from the lethal and DNA-damaging effects of fast neutrons, vanAnkeren SC; Milas L; Murray D, Int J Radiat Oncol Biol Phys 1989; **16:** 1205

radiation, pool size and incorporation studies in mice with 5-chloro-2'-deoxycytidine, Santos O; Perez LM; Briggle TV; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 357

radiation response in 10 high-grade human soft tissue sarcoma xenografts to photons and fast neutrons, Budach V; Stuschke M; Budach W; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 941

radiation response of human lung cancer cells with inherent and acquired resistance to cisplatin, Twentyman PR; Wright KA; Rhodes T, Int J Radiat Oncol Biol Phys 1991; **20:** 217

radiation sensitivity of Copenhagan rat prostatic carcinoma (R3327-AT and R3327-MATLyLu), Rao BR; Slotman BJ; Geldof AA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 981

radiation survival properties of cultured human gastric adenocarcinoma cells and the effect of AT-1727, Shao-Qin H; Chang-Fen L; Xiu-Ying Z; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 361

radioiodinated 1-(5-iodo-5-deoxy-β-D-arabinofuranosyl)-2-nitroimidazole (iodoazomycin arabinoside: IAZA): a novel marker of tissue hypoxia, Mannan RH; Somayaji VV; Lee J; et al, J Nucl Med 1991; **32:** 1764

radiolabeled fluoromisonidazole as an imaging agent for tumor hypoxia, Rasey JS; Koh W-j; Grierson JR; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 985

radioprotection of normal tissues of the mouse by hypoxic breathing, Stevens GN; Joiner B; Denekamp J, Int J Radiat Oncol Biol Phys 1989; **16:** 1165

radioresponse of human astrocytic tumors across grade as a function of acute and chronic irradiation, Schultz CJ; Geard CR, Int J Radiat Oncol Biol Phys 1990; **19:** 1397

radioresponsiveness of normal and tumour microvasculature, Narayan K; Spiropoulos A, Australas Radiol 1990; **34:** 312

radiosensitivity of different human tumor cell lines grown as multicellular spheroids determined from growth curves and survival data, Schwachöfer JHM; Crooijmans RPMA; van Gasteren JJM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1015

radiosensitivity of human melanoma spheroids influenced by growth rate, Schwachöfer JHM; Crooijmans RPMA; Hoogenhout J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1191

radiosensitivity of jejunal mucosa after whole abdomen irradiation and CDDP pretreatment, Julia AM; Bachaud J-M; Canal P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 343

radiosensitization by a new nucleoside analogue: 1-[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl-2-nitroimidazole (RP-170), Murayama C; Suzuki A; Suzuki T; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 575

radiosensitization by misonidazole during recovery of cellular thiols following depletion by BSO or DEM, McNally NJ; Soranson JA, Int J Radiat Oncol Biol Phys 1989; **16:** 1331

radiosensitization by nicotinamide in tumors and normal tissues: the importance of tissue oxygenation status, Horsman MR; Hansen PV; Overgaard J, Int J Radiat Oncol Biol Phys 1989; **16:** 1273

radiosensitization of two murine fibrosarcomas with 6-thioguanine, Kim JH; Alfieri AA; Kim SH; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 583

radiosensitizer-DNA interactions in relation to intracellular uptake, Stratford MRL; Dennis MF; Watts ME; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1007

radiosensitizing activity of 1-alkyl-3-nitropyrrolo-(2,3-b)-pyridine derivative, Yi-Zun J; Stratford IJ, Int J Radiat Oncol Biol Phys 1989; **16:** 357

radiosensitizing and cytotoxic effects of nitroimidazoles in CHO cells expressing elevated levels of glutathione-S-transferase, Stratford IJ; Hickson ID; Robson CN; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1307

radiosensitizing and cytotoxic properties of mitomycin C in a C3H mouse mammary carcinoma *in vivo*, Grau C; Overgaard J, Int J Radiat Oncol Biol Phys 1991; **20:** 265

rapid and sensitive response of carbon-11-L-methionine tumor uptake to irradiation, Kubota K; Matsuzawa T; Takahashi T; et al, J Nucl Med 1989; **30:** 2012

reaction between nitracrine and glutathione: implications for hypoxic cell radiosensitization and cytotoxicity, Wilson WR; Anderson RF, Int J Radiat Oncol Biol Phys 1989; **16:** 1001

recombinant murine GM-CSF increases resistance of some factor dependent hematopoietic progenitor cells to low-dose-rate gamma radiation, FitzGerald TJ; Henault S; Santucci MA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 323

relationship between radiation response of human squamous carcinoma cells and specific metabolic changes induced by chronic hypoxia, Kwok TT; Sutherland RM, Int J Radiat Oncol Biol Phys 1989; **16:** 1301

repair of sublethal damage in two human cell lines grown as multicellular spheroids, Schwachöfer JHM; Crooijmans RPMA; van Gasteren JJM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 591

response of murine small intestine to combined treatment with fostriecin and x rays, Rao KR; Fritz-Niggli H, Br J Radiol 1990; **63:** 286

review of hypoxic cell radiosensitization, Dische S, Int J Radiat Oncol Biol Phys 1991; **20:** 147

Ro 03-8799: preferential relative uptake in human tumor xenografts compared to a murine tumor: comparison with SR-2508, Lespinasse F; Thomas C; Bonnay M; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1105

role of glutathione in the aerobic radiation response, Biaglow JE; Varnes ME; Epp ER; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1311

role of glutathione peroxidase in the radiation response of mouse kidney, Stevens GN; Joiner MC; Joiner B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1213

role of the H-ras oncogene in radiation resistance and metastasis, McKenna WG; Weiss MC; Bakanauskas VJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 849

selective radiosensitization and cytotoxicity of human melanoma cells using halogenated deoxycytidines and tetrahydrouridine, Lawrence TS; Davis MA, Int J Radiat Oncol Biol Phys 1989; **16:** 1243

sequencing radiation and adriamycin exposures in spheroids to maximize therapeutic gain, Durand RE; Vanderbyl SL, Int J Radiat Oncol Biol Phys 1989; **17:** 345

structure-activity relationships for benzotriazine di-N-oxides, Zeman EM; Baker MA; Lemmon MJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 977

studies on high grade cerebral gliomas, Bleehen NM, Int J Radiat Oncol Biol Phys 1990; **18:** 811

sublethal damage repair and radiosensitivity of human squamous cell carcinoma cells grown with different culture techniques, Schwachöfer JHM; Crooijmans RPMA; van Gasteren JJM; et al, Br J Radiol 1989; **62:** 1084

technique, pharmacokinetics, toxicity, and efficacy of intratumoral etanidazole and radiotherapy for treatment of spontaneous feline oral squamous cell carcinoma, Evans SM; LaCreta F; Helfand S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 703

topical infusion of metronidazole in the radiotherapy of tumours of the uterine cervix: interim report on the 2 year survival, Balmukhanov SB; Beisebaev AA; Mustaphin DS; et al, Br J Radiol 1990; **63:** 499

toxicity of RSU-1069 for KHT cells treated *in vivo* or *in vitro*: evidence for a diffusible toxic product, Hill RP; Gulyas S; Whitmore GF, Int J Radiat Oncol Biol Phys 1989; **16:** 1111

treatment of cancers involving the liver and porta hepatis with external beam irradiation and intraarterial hepatic fluorodeoxyuridine, Lawrence TS; Dworzanin LM; Walker-Andrews SC; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 555

tumor heterogeneity, tumor size, and radioresistance, Yaes RJ, Int J Radiat Oncol Biol Phys 1989; **17:** 993

tumor hypoxia can be exploited to preferentially sensitize tumors to fractionated irradiation, Brown JM; Lemmon MJ, Int J Radiat Oncol Biol Phys 1991; **20:** 457

tumor-targeted delivery of 8-hydroxyquinoline, Monson TP; Henle KJ; Nagle WA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1263

uptake of the radiosensitizing compound Ro 03-8799 (pimonidazole) in human tumors, Dische S; Bennett MH; Orchard R; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1089

use of Chinese herb medicine in experimental radiotherapy, Shen Y; Yang X-Y; Zhan Q-M; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 347

variation in radiation sensitivity during the cell cycle of two human squamous cell carcinomas, Quiet CA; Weichselbaum RR; Grdina DJ, Int J Radiat Oncol Biol Phys 1991; **20:** 733

variation in tumor response to Fluosol-DA (20%), Sasai K; Ono K; Nishidai T; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1149

variation of tumour radiosensitivity with time after anaesthetic, Nias AHW; Perry PM, Br J Radiol 1989; **62:** 932

Radium

radium treatment for hemangioma in early childhood: reconstruction and dosimetry of treatments, 1920–1959, Lundell M; Fürst CJ; Hedlund B; et al, Acta Oncol 1990; **29:** 551

Radius

transphyseal linear ossific striations of the distal radius and ulna, Ogden JA, Skeletal Radiol 1990; **19:** 173

Radon

dose to red bone marrow from natural radon and thoron exposure, Richardson RB; Eatough JP; Henshaw DL, Br J Radiol 1991; **64:** 608

radon: is it a problem?, Hart BL; Mettler FA Jr; Harley NH, Radiology 1989; **172:** 593

use of a radon mould technique for skin cancer: results from the Peter MacCallum Cancer Institute (1975–1984), Ashby MA; Pacella JA; de Groot R; et al, Br J Radiol 1989; **62:** 608

Receiver operating characteristic curve (ROC)

3DFT MR angiography of the carotid bifurcation: potential and limitations as a screening examination, Masaryk AM; Ross JS; DiCello MC; Modic MT; Paranandi L; Masaryk TJ, Radiology 1991; **179:** 797

assessment of feature size abnormalities using receiver operating characteristic analysis, Warren RC; Darwin CJ, Br J Radiol 1989; **62:** 817

benign and malignant adrenal masses: CT distinction with attenuation coefficients, size, and observer analysis, Lee MJ; Hahn PF; Papanicolaou N; Egglin TK; Saini S; Mueller PR; Simeone JF, Radiology 1991; **179:** 415

comparison of CT, low-field-strength MR imaging, and high-field-strength MR imaging: work in progress, Orrison WW Jr; Stimac GK; Stevens EA; LaMasters DL; Espinosa MC; Cobb L; Mettler FA Jr, Radiology 1991; **181:** 121

comparison of digital and conventional musculoskeletal radiography: an observer performance study, Wegryn SA; Piraino DW; Richmond BJ; Schluchter MD; Uetani M; Freed HA; Meziane MA; Belhobek GA, Radiology 1990; **175:** 225

comparison of digital and conventional musculoskeletal radiography: observer performance study, Bramble JM; Murphey MD, Radiology 1990; **177:** 587

comparison of digital and conventional musculoskeletal radiography: observer performance study: reply, Wegryn SA; Piraino DW, Radiology 1990; **177:** 588

conventional screen/film vs reduced exposure photostimulable phosphor plate imaging in lower extremity venography: an ROC analysis, Siegel EL; Cook LT; Parsa MB, AJR 1991; **156:** 1095

data compression: effect on diagnostic accuracy in digital chest radiography, MacMahon H; Doi K; Sanada S; Montner SM; Giger ML; Metz CE; Nakamori N; Yin F-F; Xu X-W; Yonekawa H; Takeuchi H, Radiology 1991; **178:** 175

detection of thoracolumbar vertebral body destruction with lateral spine radiography: part I: investigation in cadavers, Haller J; André MP; Resnick D; et al, Invest Radiol 1990; **25:** 517

detection of thoracolumbar vertebral body destruction with lateral spine radiography: part II: clinical investigation with computed tomography, Haller J; André MP; Resnick D; et al, Invest Radiol 1990; **25:** 523

diagnosis of liver cirrhosis with US: receiver-operating characteristic analysis of multidimensional caudate lobe indexes, Hess CF; Schmiedl U; Koelbel G; Knecht R; Kurtz B, Radiology 1989; **171:** 349

digital luminescence radiography in interstitial lung disease: a receiver operating characteristics (ROC) analysis, Kehler M; Albrechtsson U; Andrésdóttir A; et al, Acta Radiol 1991; **32:** 18

digital storage phosphor imaging versus conventional film radiography in CT-documented chest disease, Schaefer CM; Greene RE; Oestmann JW; Hall DA; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1990; **174:** 207

effect of observer instruction on ROC study of chest images, Gur D; Rockette HE; Good WF; et al, Invest Radiol 1990; **25:** 230

effect of two rating formats in multi-disease ROC study of chest images, Rockette HE; Gur D; Cooperstein LA; et al, Invest Radiol 1990; **25:** 225

free-response methodology: alternate analysis and a new observer-performance experiment, Chakraborty DP; Winter LHL, Radiology 1990; **174:** 873

hepatic tumors: quantitative tissue characterization with MR imaging, Egglin TK; Rummeny E; Stark DD; Wittenberg J; Saini S; Ferrucci JT, Radiology 1990; **176:** 107

interstitial lung disease: impact of postprocessing in digital storage phosphor imaging, Schaefer CM; Greene RE; Llewellyn HJ; Mrose HE; Pile-Spellman EA; Rubens JR; Lindemann SR, Radiology 1991; **178:** 733

intraoperative arteriography: comparison of conventional screen-film with photostimulable imaging plate radiographs, Pond GD; Seeley GW; Ovitt TW; Chernin MM; Yoshino MT; Roehrig H; McIntyre KE, Radiology 1989; **170:** 367

measuring observer performance by ROC analysis: indications and complications, Berbaum KS; Dorfman DD; Franken EA Jr, Invest Radiol 1989; **24:** 228

mediastinal abnormalities: detection with storage phosphor digital radiography, Schaefer CM; Greene RE; Hall DA; Lindemann SR; Llewellyn HJ; McCarthy KA; Pile-Spellman ER; Rubens JR, Radiology 1991; **178:** 169

nondisplaced fractures: spatial resolution requirements for detection with digital skeletal imaging, Murphey MD; Bramble JM; Cook LT; Martin NL; Dwyer SJ III, Radiology 1990; **174:** 865

nonparametric estimation of degenerate ROC data sets used for comparison of imaging systems, Rockette HE; Obuchowski NA; Gur D, Invest Radiol 1990; **25:** 835

potential usefulness of an artificial neural network for differential diagnosis of interstitial lung diseases: pilot study, Asada N; Doi K; MacMahon H; Montner SM; Giger ML; Abe C; Wu Y, Radiology 1990; **177:** 857

practical issues of experimental ROC analysis: selection of controls, Gur D; King JL; Rockette HE; et al, Invest Radiol 1990; **25:** 583

quantitative assessment of quality of digitized portal images: receiver operating characteristic analysis applied to imaging in radiation therapy, Okajima K; Nakata M; Yano S; Nagata Y; Kimura I; Nakano Y; Abe M, Radiology 1991; **181:** 273

receiver operating characteristic analysis of chest image interpretation with conventional, laser-printed, and high-resolution workstation images, Slasky BS; Gur D; Good WF; Costa-Greco MA; Harris KM; Cooperstein LA; Rockette HE, Radiology 1990; **174:** 775

search and nonsearch protocols for radiographic consultation, Swensson RG; Theodore GH, Radiology 1990; **177:** 851

some practical issues of experimental design and data analysis in radiological ROC studies, Metz CE, Invest Radiol 1989; **24:** 234

Rectum

air-contrast barium enema studies after flexible proctosigmoidoscopy: randomized controlled clinical trial, Marshall JB; Hoyt TS; Seger RM; Reid JC; Beyer KL; Butt JH, Radiology 1990; **176:** 549

anorectal function: defecographic measurement in asymptomatic subjects, Goei R; van Engelshoven J; Schouten H; Baeten C; Stassen C, Radiology 1989; **173:** 137

normal anorectum: dynamic MR imaging anatomy, Kruyt RH; Delemarre JBVM; Doornbos J; Vogel HJ, Radiology 1991; **179:** 159

rectal stenosis due to Veganine® suppositories, Puy-Montbrun T; Delechenault P; Ganansia R; et al, Gastrointest Radiol 1990; **15:** 169

rectal stenosis following the use of suppositories containing paracetamol and acetylsalicylic acid, Baekelandt M; Vansteenberge R; Van der Spek P; et al, Gastrointest Radiol 1990; **15:** 171

Rectum, abnormalities

anorectal atresia presenting as an abdominopelvic mass, Miller SF; Angtuaco TL; Quirk JG; et al, J Ultrasound Med 1990; **9:** 669

anorectal function in patients with defecation disorders and asymptomatic subjects: evaluation with defecography, Goei R, Radiology 1990; **174:** 121

anorectal sphincter after rectal pull-through surgery for anorectal anomalies: MRI evaluation, Vade A; Reyes H; Wilbur A; et al, Pediatr Radiol 1989; **19:** 179

cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441

cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; **177:** 326

computed tomography of ano-rectal anomalies: correlation between radiologic findings and clinical evaluation of faecal incontinence, Arnbjörnsson E; Laurin S; Mikaelsson C, Acta Radiol 1989; **30:** 25

CT invertograms, Leighton DM; de Campo M, Pediatr Radiol 1989; **19:** 176

CT of anorectal malformation—a postoperative evaluation, Taccone A; Martucciello G; Fondelli P; et al, Pediatr Radiol 1989; **19:** 375

internal hemorrhoids: diagnosis with double-contrast barium enema examinations, Levine MS; Kam LW; Rubesin SE; Ekberg O, Radiology 1990; **177:** 141

intraluminal colonic calcifications associated with anorectal atresia: prenatal sonographic detection, Grant T; Newman M; Gould R; et al, J Ultrasound Med 1990; **9:** 411

pediatric case of the day: annual meeting, 1988, Fernbach SK; Foznanski AK, Radiographics 1989; **9:** 968

rectal intussusception and rectal prolapse: detection and postoperative evaluation with defecography, Goei R; Baeten C, Radiology 1990; **174:** 124

rectal strictures: treatment with fluoroscopically guided balloon dilation, de Lange EE; Shaffer HA Jr, Radiology 1991; **178:** 475

Rectum, abscess

Ga-67 scintigraphy of isochiorectal fossa horseshoe abscess, Varma DGK; Holmes JW, Clin Nucl Med 1989; **14:** 538

supralevator abscess: evaluation with transrectal sonography, Grant TH; Eisenstein MM; Brandt T; et al, Gastrointest Radiol 1989; **14:** 354

Rectum, CT

anorectal actinomycosis: CT evaluation, Niethammer JG; Gould HR; Nelson HS Jr, JCAT 1990; **14:** 838

computed tomography and endosonography in the preoperative staging of rectal carcinoma, Rotte KH; Klühs L; Kleinau H; et al, Eur J Radiol 1989; **9:** 187

computed tomography of the rectum with water as contrast agent, Baert AL; Roex L; Wilms G; et al, Gastrointest Radiol 1989; **14:** 345

CT evaluation of carcinomas of the colon and rectum, Thoeni RF, Radiol Clin North Am 1989; **27:** 731

CT invertograms, Leighton DM; de Campo M, Pediatr Radiol 1989; **19:** 176

CT of anorectal malformation—a postoperative evaluation, Taccone A; Martucciello G; Fondelli P; et al, Pediatr Radiol 1989; **19:** 375

imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308

imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283

preoperative computed tomography staging of rectal carcinoma, Nanakawa S; Takahashi M; Kojima R; et al, Clin Imag 1989; **13:** 29

rectal carcinoma: CT staging with water as contrast medium, Angelelli G; Macarini L; Lupo L; Caputi-Jambrenghi O; Pannarale O; Memeo V, Radiology 1990; **177:** 511

rectal diverticulosis: a case report and review of the literature, Halpert RD; Crnkovich FM; Schreiber MH, Gastrointest Radiol 1989; **14:** 274

staging of rectal carcinoma: prospective comparison of endorectal US and CT, Rifkin MD; Ehrlich SM; Marks G, Radiology 1989; **170:** 319

value of CT in rectal villous tumors, Hendricks PJ; Keefe B; Wechsler RJ, JCAT 1989; **13:** 269

Rectum, MR

anorectal sphincter after rectal pull-through surgery for anorectal anomalies: MRI evaluation, Vade A; Reyes H; Wilbur A; et al, Pediatr Radiol 1989; **19:** 179

colorectal tumors: an in vitro study of high-resolution MR imaging, Imai Y; Kressel HY; Saul SH; Chao PW; Schnall MD; Lenkinski RE; Listerud JM; Daly JM, Radiology 1990; **177:** 695

diffuse cavernous hemangioma of the rectum: evaluation and MRI, Lupetin AR, Gastrointest Radiol 1990; **15:** 343

imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308

imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283

local recurrence of rectosigmoid cancer: what about the choice of MRI for diagnosis?, Balzarini L; Ceglia E; D'Ippolito G; et al, Gastrointest Radiol 1990; **15:** 338

normal anorectum: dynamic MR imaging anatomy, Kruyt RH; Delemarre JBVM; Doornbos J; Vogel HJ, Radiology 1991; **179:** 159

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

preoperative staging of rectal carcinoma with MR imaging: surgical and histopathologic correlation, de Lange EE; Fechner RE; Edge SB; Spaulding CA, Radiology 1990; **176:** 623

rectal carcinoma: staging at MR imaging with endorectal surface coil. work in progress, Chan TW; Kressel HY; Milestone B; Tomachefski J; Schnall M; Rosato E; Daly J, Radiology 1991; **181:** 461

suspected recurrent rectosigmoid carcinoma after abdominoperineal resection: MR imaging and histopathologic findings, de Lange EE; Fechner RE; Wanebo HJ, Radiology 1989; **170:** 323

Rectum, neoplasms

accuracy of computed tomography of the liver in colo-rectal carcinoma, Lundstedt C; Ekberg H; Hederström E; et al, Clin Radiol 1990; **42:** 335

adenocarcinomas of the colon and rectum in persons under 40 years old, (ab), Griffin PM; Liff JM; Greenberg RS; et al, Radiology 1991; **181:** 290

anti-carcinoembryonic antigen immunoscintigraphy (technetium-99m-monoclonal antibody BW 431/26) and serum CEA levels in patients with suspected primary and recurrent colorectal carcinoma, Lind P; Lechner P; Arian-Schad K; et al, J Nucl Med 1991; **32:** 1319

asbestos and colorectal cancer, (ab), Weiss W, Radiology 1991; **178:** 896

body MR imaging and the local staging of neoplasms, Aisen AM, Radiology 1990; **176:** 617

carcinoma of the colon and rectum: tumors missed by radiologic examination in 61 patients, (ab), Bolon S; Franzén L; Nilsson E; et al, Radiology 1989; **170:** 287

clinical value of immunoscintigraphy in colorectal carcinoma patients: a prospective study, Bischof-Delaloye A; Delaloye B; Buchegger F; et al, J Nucl Med 1989; **30:** 1646

colonoscopically detected colorectal cancer missed on barium enema, Anderson N; Cook HB; Coates R, Gastrointest Radiol 1991; **16:** 123

colorectal adenocarcinoma in childhood and adolescent: report of 11 cases and review of the literature, Lamego CMB; Torloni H, Pediatr Radiol 1989; **19:** 504

colorectal cancer: cross-sectional imaging for staging of primary tumor and detection of local recurrence, Thoeni RF, AJR 1991; **156:** 909

colorectal cancer detection in the practice setting: impact of fecal blood testing, (ab), Ahlquist DA; Klee GG; McGill DD; et al, Radiology 1990; **177:** 290

colorectal cancer in Sweden: a descriptive epidemiologic study, Gerhardsson M; Steineck G; Norell SE, Acta Oncol 1990; **29:** 855

colorectal carcinoma metastases: detection with In-111-labeled monoclonal antibody CCR 086, Abdel-Nabi HH; Levine G; Lamki LM; Murray JL; Tauxe WN; Shah AN; Patt YZ; Doerr RJ; Klein HA; Gona J; Rosenblum MJ; Unger MJ; Smith LM; Schweighardt SA; Merchant EB, Radiology 1990; **176:** 117

colorectal carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; van Delden OM; Tytgat GNJ, Radiology 1991; **179:** 165

colorectal tumors: an in vitro study of high-resolution MR imaging, Imai Y; Kressel HY; Saul SH; Chao PW; Schnall MD; Lenkinski RE; Listerud JM; Daly JM, Radiology 1990; **177:** 695

computed tomography and endosonography in the preoperative staging of rectal carcinoma, Rotte KH; Klühs L; Kleinau H; et al, Eur J Radiol 1989; **9:** 187

computed tomography of rectal lymphoma, Carvalho P; Banerjee AK; Goodman A, JCAT 1990; **14:** 379

conservative management of anal and rectal cancer: the role of radiation therapy, Gerard JP; Romestaing P; Montbarbon X, Acta Oncol 1989; **28:** 507

CT evaluation of carcinomas of the colon and rectum, Thoeni RF, Radiol Clin North Am 1989; **27:** 731

doxorubicin in combination with verapamil in advanced colorectal cancer: a phase II trial, Dalmark M; Pals H; Johnsen AH, Acta Oncol 1991; **30:** 23

endorectal sonography in the evaluation of rectal and perirectal disease, St. Ville EW; Jafri SZH; Madrazo BL; et al, AJR 1991; **157:** 503

hepatic colorectal metastases: correlation of MR imaging and pathologic appearance, Outwater E; Tomaszewski JE; Daly JM; Kressel HY, Radiology 1991; **180:** 327

high dose preoperative irradiational for cancer of the rectum, 1976–1988, Mohiuddin M; Marks G, Int J Radiat Oncol Biol Phys 1991; **20:** 37

imaging hepatic metastases from colorectal carcinoma: identification of candidates for partial hepatectomy, Seltzer SE; Holman BL, AJR 1989; **152:** 917

imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308

imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283

imaging of colorectal carcinoma with radiolabeled antibodies, Goldenberg DM; Goldenberg H; Sharkey RM; et al, Semin Nucl Med 1989; **19:** 262

immunoscintigraphy of colorectal carcinoma utilizing ^{111}In-labeled monoclonal antibody conjugate CYT-103, Neal CE; Swan TL; Baker MR; et al, Gastrointest Radiol 1991; **16:** 251

In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT, Radiology 1990; **175:** 163

intrarectal ultrasonography in rectal cancer staging and in the evaluation of pelvic disease: clinical uses of intrarectal ultrasound, (ab), Milsom JW; Graffner H, Radiology 1991; **180:** 588

in vivo fate of monoclonal antibody B72.3 in patients with colorectal cancer, Colcher D; Milenic DE; Ferroni P; et al, J Nucl Med 1990; **31:** 1133

local recurrence of rectosigmoid cancer: what about the choice of MRI for diagnosis?, Balzarini L; Ceglia E; D'Ippolito G; et al, Gastrointest Radiol 1990; **15:** 338

low-dose continuous infusion cisplatin combined with external beam irradiation for advanced colorectal adenocarcinoma and unresectable non-small cell lung carcinoma, Ellerbroek NA; Fossella FV; Rich TA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 351

lowering death rates from colorectal cancer: challenge for the 1990s, Rice RP, Radiology 1990; **176:** 297

lymphatic vessel invasion is an independent prognostic factor for survival in colorectal cancer, Minsky BD; Mies C; Rich TA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 311

new combined approach in the conservative management of rectal cancer, Otmezguine Y; Grimard L; Calitchi E; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 539

PET studies of fluorodeoxyglucose metabolism in patients with recurrent colorectal tumors receiving radiotherapy, Haberkorn U; Strauss LG; Dimitrakopoulou A; et al, J Nucl Med 1991; **32:** 1485

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

postoperative adjuvant therapy of rectal cancer: an analysis of disease control, survival, and prognostic factors, Schild SE; Martenson JA Jr; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 55

preoperative computed tomography staging of rectal carcinoma, Nanakawa S; Takahashi M; Kojima R; et al, Clin Imag 1989; **13:** 29

pre-operative radiation therapy for carcinoma of the rectum: 100 patients, (ab), Moreaux J; Raynal M; André J, Radiology 1989; **170:** 287

preoperative staging of rectal carcinoma with MR imaging: surgical and histopathologic correlation, de Lange EE; Fechner RE; Edge SB; Spaulding CA, Radiology 1990; **176:** 623

primary malignant lymphoma of the rectum, Hirataka K; Nakata H; Nakayama T; et al, Pediatr Radiol 1989; **19:** 474

prognostic factors in limited rectal cancer treated with intracavitary irradiation, Roth SL; Horiot JC; Calais G; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1445

prospective, randomized evaluation of the treatment of colorectal cancer metastatic to the liver, (ab), Wagman LD; Kemeny MM; Leong L; et al, JVIR 1991; **2:** 297

radiosurgical treatment compared to surgery alone for rectal cancer, Cellini N; Valentini V; de Santis M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1159

rectal carcinoma: CT staging with water as contrast medium, Angelelli G; Macarini L; Lupo L; Caputi-Jambrenghi O; Pannarale O; Memeo V, Radiology 1990; **177:** 511

rectal carcinoma: staging at MR imaging with endorectal surface coil. work in progress, Chan TW; Kressel HY; Milestone B; Tomachefski J; Schnall M; Rosato E; Daly J, Radiology 1991; **181:** 461

rectal involvement by prostatic carcinoma: barium enema findings, Rubesin SE; Levine MS; Bezzi M; et al, AJR 1989; **152:** 53

recurrence of colorectal tumors: PET evaluation, Strauss LG; Clorius JH; Schlag P; Lehner B; Kimmig B; Engenhart R; Marin-Grez M; Helus F; Oberdorfer F; Schmidlin P; van Kaick G, Radiology 1989; **170:** 329

remote afterloading intraluminal brachytherapy in the treatment of rectal, rectosigmoid, and anal cancer: a feasibility study, Kaufman N; Nori D; Shank B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 663

results of surgery for cancer of the rectum with sphincter conservation: a randomized study on instrumental versus manual anastomosis, Gonzalez EM; Selas PR; Molina DM; et al, Acta Oncol 1989; **28:** 241

role of radiotherapy in anal preservation for cancers of the lower third of the rectum, Papillon J; Gerard JP, Int J Radiat Oncol Biol Phys 1990; **19:** 1219

spatial distribution of parenterally administered monoclonal antibodies against CEA in a human colorectal tumour xenograft, Ahlström H; Enblad P; Andersson A; et al, Acta Oncol 1989; **28:** 81

staging of rectal carcinoma: prospective comparison of endorectal US and CT, Rifkin MD; Ehrlich SM; Marks G, Radiology 1989; **170:** 319

suspected recurrent rectosigmoid carcinoma after abdominoperineal resection: MR imaging and histopathologic findings, de Lange EE; Fechner RE; Wanebo HJ, Radiology 1989; **170:** 323

three-port perineal sparing technique, Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM, Radiology 1991; **180:** 563

transrectal ultrasound and computed tomography in preoperative staging of lower rectal adenocarcinoma, Goldman S; Arvidsson H; Norming U; et al, Gastrointest Radiol 1991; **16:** 259

transrectal US in the diagnosis of localized colitis cystica profunda, Hulsmans FJH; Tio TL; Reeders JWAJ; Tytgat GNJ, Radiology 1991; **181:** 201

treatment of locally advanced rectal cancer with external beam radiation, surgical resection, and intraoperative radiation therapy, Tepper JE; Wood WC; Cohen AM, Int J Radiat Oncol Biol Phys 1989; **16:** 1437

ulcerative colitis: colorectal cancer risk in an unselected population, (ab), Rutegård JN; Ahsgren LR; Janunger KG, Radiology 1989; **172:** 291

value of CT in rectal villous tumors, Hendricks PJ; Keefe B; Wechsler RJ, JCAT 1989; **13:** 269

Rectum, radiography

intraobserver variation in the radiological measurement of the anorectal angle, Penninckx F; Debruyne C; Lestar B; et al, Gastrointest Radiol 1991; **16:** 73

lowering death rates from colorectal cancer: challenge for the 1990s, Rice RP, Radiology 1990; **176:** 297

Rectum, radionuclide studies

Ga-67 scintigraphy of isochiorectal fossa horseshoe abscess, Varma DGK; Holmes JW, Clin Nucl Med 1989; **14:** 538

In-111-labeled monoclonal antibody immunoscintigraphy in colorectal carcinoma: safety, sensitivity, and preliminary clinical results, Abdel-Nabi HH; Doerr RJ; Chan H-W; Balu D; Schmelter RF; Maguire RT, Radiology 1990; **175:** 163

Rectum, stenosis or obstruction

radiologically controlled balloon dilatation of rectal strictures, Campbell DM; Geraghty JG; McBride K; et al, Clin Radiol 1991; **44:** 77

Rectum, surgery

case report: rectal mucocoele following Hartmann's procedure, Creagh MF; Chan TYK, Clin Radiol 1991; **43:** 358

rectal strictures: treatment with fluoroscopically guided balloon dilation, de Lange EE; Shaffer HA Jr, Radiology 1991; **178:** 475

results of surgery for cancer of the rectum with sphincter conservation: a randomized study on instrumental versus manual anastomosis, Gonzalez EM; Selas PR; Molina DM; et al, Acta Oncol 1989; **28:** 241

Rectum, therapeutic radiology

adjuvant post-operative radiotherapy in rectal cancer: results from the ANZ bowel cancer trial (protocol 8202), Mameghan H; Gray BN; de Zwart J; et al, Australas Radiol 1991; **35:** 61

computed tomography of the urinary bladder shortly after radiation therapy for rectal carcinoma, Sager EM; Fossá SD; Kaalhus O; et al, Acta Radiol 1990; **31:** 585

conservative management of anal and rectal cancer: the role of radiation therapy, Gerard JP; Romestaing P; Montbarbon X, Acta Oncol 1989; **28:** 507

high dose preoperative irradiational for cancer of the rectum, 1976–1988, Mohiuddin M; Marks G, Int J Radiat Oncol Biol Phys 1991; **20:** 37

interstitial curietherapy in the conservative treatment of anal and rectal cancers, Papillon J; Montbarbon JF; Gerard JP; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1161

long-term survival and patterns of failure after postoperative radiation therapy for subtotally resected rectal adenocarcinoma, Schild SE; Martenson JA Jr; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 459

new combined approach in the conservative management of rectal cancer, Otmezguine Y; Grimard L; Calitchi E; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 539

postoperative adjuvant therapy of rectal cancer: an analysis of disease control, survival, and prognostic factors, Schild SE; Martenson JA Jr; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 55

postoperative radiation therapy for incompletely resected colorectal carcinoma, Allee PE; Tepper JE; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1171

pre-operative radiation therapy for carcinoma of the rectum: 100 patients, (ab), Moreaux J; Raynal M; André J, Radiology 1989; **170:** 287

prognostic factors in limited rectal cancer treated with intracavitary irradiation, Roth SL; Horiot JC; Calais G; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1445

radiosurgical treatment compared to surgery alone for rectal cancer, Cellini N; Valentini V; de Santis M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1159

remote afterloading intraluminal brachytherapy in the treatment of rectal, rectosigmoid, and anal cancer: a feasibility study, Kaufman N; Nori D; Shank B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 663

role of radiotherapy in anal preservation for cancers of the lower third of the rectum, Papillon J; Gerard JP, Int J Radiat Oncol Biol Phys 1990; **19:** 1219

three-dimensional treatment planning for postoperative treatment of rectal carcinoma, Shank B; LoSasso T; Brewster L; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 253

three-port perineal sparing technique, Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM, Radiology 1991; **180:** 563

treatment of locally advanced rectal cancer with external beam radiation, surgical resection, and intraoperative radiation therapy, Tepper JE; Wood WC; Cohen AM, Int J Radiat Oncol Biol Phys 1989; **16:** 1437

Rectum, ulcers

rectal intussusception and rectal prolapse: detection and postoperative evaluation with defecography, Goei R; Baeten C, Radiology 1990; **174:** 124

Rectum, US

colorectal carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; van Delden OM; Tytgat GNJ, Radiology 1991; **179:** 165

computed tomography and endosonography in the preoperative staging of rectal carcinoma, Rotte KH; Klühs L; Kleinau H; et al, Eur J Radiol 1989; **9:** 187

endorectal sonography in the evaluation of rectal and perirectal disease, St. Ville EW; Jafri SZH; Madrazo BL; et al, AJR 1991; **157:** 503

imaging of colorectal carcinoma, Moss AA, Radiology 1989; **170:** 308

imaging of colorectal carcinoma, Charnley RM, Radiology 1990; **174:** 283

intrarectal ultrasonography in rectal cancer staging and in the evaluation of pelvic disease: clinical uses of intrarectal ultrasound, (ab), Milsom JW; Graffner H, Radiology 1991; **180:** 588

polyplanar endorectal ultrasound, (ab), Schneider IHF; Hebel RM; Kreitz G; et al, Radiology 1990; **177:** 890

staging of rectal carcinoma: prospective comparison of endorectal US and CT, Rifkin MD; Ehrlich SM; Marks G, Radiology 1989; **170:** 319

transrectal ultrasonography in the evaluation of rectal and extrarectal disease, (ab), Zainea GG; Lee F; McLeary RD; et al, Radiology 1990; **174:** 585

transrectal US in the diagnosis of localized colitis cystica profunda, Hulsmans FJH; Tio TL; Reeders JWAJ; Tytgat GNJ, Radiology 1991; **181:** 201

Red blood cells

effect of radiographic contrast media on ultrasonically detectable red blood cell aggregation in vitro, Kallio T; Alanen A; Kormano M, Invest Radiol 1989; **24:** 789

ESR study of pathologic red blood cell membranes (RBCM), Perussi JR; Costa FF; Baffa O; et al, Magn Res Med 1990; **16:** 132

^{7}Li NMR study of visibility, spin relaxation, and transport in normal human erythrocytes, Gullapalli RP; Hawk RM; Komoroski RA, Magn Res Med 1991; **20:** 240

MIRD dose estimate report no. 14: radiation absorbed dose from technetium-99m-labeled red blood cells, Atkins HL; Thomas SR; Buddemeyer U; et al, J Nucl Med 1990; **31:** 378

NMR visibility of ^{39}K and ^{35}Cl in erythrocytes and kidney tubules, Boulanger Y; Vinay P, Magn Res Med 1990; **16:** 246

red blood cell aggregability and contrast media: recent results of quantitative dynamic ultrasonic analysis, Kallio T; Alanen A; Kormano M, Invest Radiol 1990; **25:** S121

Red blood cells, radionuclide studies

atypical appearance of an hepatic hemangioma with technetium-99m red blood cell scintigraphy, Larcos G; Farlow DC; Gruenewald SM; et al, J Nucl Med 1989; **30:** 1885

hyperemic peripheral red marrow in a patient with sickle cell anemia demonstrated on Tc-99m labeled red blood cell venography, Heiden RA; Locko RC; Stent TR, Clin Nucl Med 1991; **16:** 153

utility of the SPECT Tc-99m labeled RBC blood pool scan in the detection of hepatic hemangiomas, Guze BH; Hawkins RA, Clin Nucl Med 1989; **14:** 817

Renal angiography

See also Kidney; Renal arteries; Renal veins

benign non-parenchymal renal tumors: radiologic appearances, Inoue Y; Nakamura H; Yamaguchi S; et al, Clin Imag 1991; **15:** 113

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

imaging of vascular complications associated with renal transplants, Dodd GD III; Tublin ME; Shah A; et al, AJR 1991; **157:** 449

incidental fibromuscular dysplasia in potential renal donors: long-term clinical follow-up, Cragg AH; Smith TP; Thompson BH; Maroney TP; Stanson AW; Shaw GT; Hunter DW; Cochran ST, Radiology 1989; **172:** 145

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Dunnick NR; Svetkey LP; Cohan RH; Newman GE; Braun SD; Himmelstein SI; Bollinger RR; McCann RL; Wilkinson RH Jr; Klotman PE, Radiology 1989; **171:** 219

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Millward SF, Radiology 1989; **173:** 283

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension: reply, Dunnick NR, Radiology 1989; **173:** 283

nonselective and semiselective catheters for renal artery evaluation: experimental study, Yedlicka JW Jr; Carlson JE; Hedlund LJ; Urness M; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; **2:** 273

radionuclide renography in renovascular hypertension and double renal arteries, Lette J; Cerino M; Boucher A; et al, Clin Nucl Med 1991; **16:** 185

renal artery stenosis: diagnosis with color duplex US, Healy DA; Neumyer MM, Radiology 1990; **176:** 877

renal artery stenosis: diagnosis with color duplex US: reply, Berland LL; Koslin DB, Radiology 1990; **176:** 878

renal artery stenosis: prospective evaluation of diagnosis with color duplex US compared with angiography: work in progress, Berland LL; Koslin DB; Routh WD; Keller FS, Radiology 1990; **174:** 421

renal renin and hemodynamic responses to selective renal artery catheterization and angiography, Katzberg RW; Morris TW; Burgener FA; et al, Invest Radiol 1990; **25:** 453

renal vein renins: inability to predict response to revascularization in patients with hypertension, Roubidoux MA; Dunnick NR; Klotman PE; Newman GE; Cohan RH; Kadir S; Svetkey LP, Radiology 1991; **178:** 819

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; **174:** 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; **174:** 896

short-term morphologic results of percutaneous transluminal renal angioplasty as determined with angiography, Wilms GE; Baert AL; Amery AK; Staessen JA; Vermylen JG, Radiology 1989; **170:** 1019

splenic exclusion for renal flow studies, Long TD; Berens S, Clin Nucl Med 1991; **16:** 192

spontaneous perinephric and subcapsular renal hemorrhage: evaluation with CT, US, and angiography, Belville JS; Morgentaler A; Loughlin KR; Tumeh SS, Radiology 1989; **172:** 733

spontaneous subcapsular and perirenal hematomas, Bosniak MA, Radiology 1989; **172:** 601

tube tamponade: potential pitfall in angiography of arterial hemorrhage associated with percutaneous drainage catheters, Routh WD; Tatum CM; Lawdahl RB; Rösch J; Keller FS, Radiology 1990; **174:** 945

Renal arteries

See also Kidney; Renal angiography

cine-computed tomographic assessment of regional renal blood flow, Jaschke W; Sievers RS; Lipton MJ; et al, Acta Radiol 1990; **31:** 77

double-guide-wire access through a single 6-F vascular sheath, Teitelbaum GP; Joseph GJ; Matsumoto AH; Barth KH, Radiology 1989; **173:** 871

Renal arteries, fibrodysplasia

fibromuscular dysplasia of the renal artery in a child: detection by Doppler ultrasound and correction by percutaneous transluminal angioplasty, Abernethy LJ; Hendry GMA; Reid JH, Pediatr Radiol 1989; **19:** 539

incidental fibromuscular dysplasia in potential renal donors: long-term clinical follow-up, Cragg AH; Smith TP; Thompson BH; Maroney TP; Stanson AW; Shaw GT; Hunter DW; Cochran ST, Radiology 1989; **172:** 145

percutaneous transluminal renal angioplasty: initial and long-term results, Klinge J; Mali WPTM; Puijlaert CBAJ; Geyskes GG; Becking WB; Feldberg MAM, Radiology 1989; **171:** 501

renal artery stenosis: preliminary results of treatment with the Strecker stent, Kuhn F-P; Kutkuhn B; Torsello G; Mödder U, Radiology 1991; **180:** 367

Renal arteries, injuries

accuracy of computed tomography in diagnosing renal artery injuries, (ab), Cass AS; Luxenberg M, Radiology 1990; **175:** 883

CT diagnosis of renal artery injury caused by blunt abdominal trauma, Lupetin AR; Mainwaring BL; Daffner RH, AJR 1989; **153:** 1065

embolization in traumatic intrarenal vascular injuries, Corr P; Hacking G, Clin Radiol 1991; **43:** 262

renal arterial rupture complicating transluminal angioplasty: successful conservative management, Ashenburg RJ; Blair RJ; Rivera FJ; Weigele JB, Radiology 1990; **174:** 983

renal arterial rupture complicating transluminal angioplasty, Levitt RG; Wholey MH, Radiology 1990; **176:** 583

renal arterial rupture complicating transluminal angioplasty: reply, Ashenburg RJ, Radiology 1990; **176:** 583

stab wounds of the renal artery branches: angiographic diagnosis and treatment by embolization, Fisher RG; Ben-Menachem Y; Whigham C, AJR 1989; **152:** 1231

Renal arteries, interventional procedure

See Renal arteries, transluminal angioplasty

Renal arteries, MR

abdominal aorta and renal artery stenosis: evaluation with MR angiography, Kim D; Edelman RR; Kent KC; Porter DH; Skillman JJ, Radiology 1990; **174:** 727

application of missing pulse steady state free precession to the study of renal microcirculation, Stromski ME; Brady HR; Gullans SR; et al, Magn Res Med 1991; **20:** 66

magnetic resonance imaging: a reliable test for the evaluation of proximal atherosclerotic renal arterial stenosis, (ab), Kent KC; Edelman RR; Kim D; et al, Radiology 1991; **181:** 293

renal artery stenosis: in vivo perfusion MR imaging, Powers TA; Lorenz CH; Holburn GE; Price RR, Radiology 1991; **178:** 543

Renal arteries, occlusion

See Renal arteries, stenosis or obstruction

Renal arteries, stenosis or obstruction

abdominal aorta and renal artery stenosis: evaluation with MR angiography, Kim D; Edelman RR; Kent KC; Porter DH; Skillman JJ, Radiology 1990; **174:** 727

abnormal captopril renal scintigraphy in a case of renal artery branch stenosis, Wells GA; Smith HS; Trepashko DW; et al, Clin Nucl Med 1990; **15:** 191

acute renal failure in rats: interaction between contrast media and temporary renal arterial occlusion, Cederholm C; Almén T; Bergqvist D; et al, Acta Radiol 1989; **30:** 321

angioplasty of renal transplant artery stenosis in children, Barth MO; Gagnadoux MF; Mareschal JL; et al, Pediatr Radiol 1989; **19:** 383

aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, Saxon RR; LaBerge JM; Ring EJ, JVIR 1991; **2:** 353

can quantitative renography predict the outcome of treatment of atherosclerotic renal artery stenosis?, Gruenewald SM; Collins LT; Antico VF; et al, J Nucl Med 1989; **30:** 1946

Captopril renal scintigraphy in a patient with bilateral renal artery stenosis, Itoh K; Shinohara M; Togashi M; et al, J Nucl Med 1989; **30:** 2042

detection of vascular complications in renal allografts with color Doppler flow imaging, Grenier N; Douws C; Morel D; Ferriére J-M; Le Guillou M; Potaux L; Broussin J, Radiology 1991; **178:** 217

diagnostic use of angiotensin converting enzyme (ACE)-inhibited renal scintigraphy in the identification of selective renal artery stenosis in the presence of multiple renal arteries: a case report, Morton KA; Rose SC; Haakenstad AO; et al, J Nucl Med 1990; **31:** 1847

diagnostic use of angiotensin converting enzyme inhibitors in radioisotope evaluation of unilateral renal artery stenosis, Hovinga TKK; de Jong PE; Piers DA; et al, J Nucl Med 1989; **30:** 605

diminished response to furosemide in I-123 Hippuran renal studies of renovascular hypertension caused by unilateral renal artery stenosis, Flueckiger FM; Fueger GF; Einspieler R; et al, Clin Nucl Med 1990; **15:** 614

duplex Doppler sonography for renal artery stenosis in the post-transplant pediatric patient, Stringer DA; O'Halpin D; Daneman A; et al, Pediatr Radiol 1989; **19:** 187

duplex Doppler ultrasound in determination of renal artery stenosis, Sievers KW; Löhr E; Werner WR, Urol Radiol 1989; **11:** 142

effect of ethanol induced occlusion of the renal artery in rabbit kidney implanted with VX2 carcinoma, Imai S; Kajihara Y; Nishishita S; et al, Acta Radiol 1989; **30:** 535

effect of heart rate on Doppler measurements of resistive index in renal arteries, Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D, Radiology 1990; **175:** 511

evaluation of hypertensive patients by means of captopril enhanced renal scintigraphy with technetium-99m DTPA, Dondi M; Franchi R; Levorato M; et al, J Nucl Med 1989; **30:** 615

follow-up of renal artery stenosis by duplex ultrasound, (ab), Taylor DC; Moneta GL; Strandness DE Jr, Radiology 1989; **173:** 293

incidental fibromuscular dysplasia in potential renal donors: long-term clinical follow-up, Cragg AH; Smith TP; Thompson BH; Maroney TP; Stanson AW; Shaw GT; Hunter DW; Cochran ST, Radiology 1989; **172:** 145

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Dunnick NR; Svetkey LP; Cohan RH; Newman GE; Braun SD; Himmelstein SI; Bollinger RR; McCann RL; Wilkinson RH Jr; Klotman PE, Radiology 1989; **171:** 219

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension, Millward SF, Radiology 1989; **173:** 283

intravenous digital subtraction renal angiography: use in screening for renovascular hypertension: reply, Dunnick NR, Radiology 1989; **173:** 283

invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, Williams GM, JVIR 1991; **2:** 356

invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, van Breda A, JVIR 1991; **2:** 357

invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, Castaneda-Zuniga WR, JVIR 1991; **2:** 357

magnetic resonance imaging: a reliable test for the evaluation of proximal atherosclerotic renal arterial stenosis, (ab), Kent KC; Edelman RR; Kim D; et al, Radiology 1991; **181:** 293

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; **170:** 921

Palmaz stent in atherosclerotic stenoses involving the ostia of the renal arteries: preliminary report of a multicenter study, Rees CR; Palmaz JC; Becker GJ; Ehrman KO; Richter GM; Noeldge G; Katzen BT; Dake MD; Schwarten DE, Radiology 1991; **181:** 507

patients at high risk for renal artery stenosis: a simple method of renal scintigraphic analysis with Tc-99m DTPA and captopril, Chen CC; Hoffer PB; Vahjen G; Gottschalk A; Koster K; Zubal IG; Setaro JF; Roer DA; Black HR, Radiology 1990; **176:** 365

percutaneous transluminal renal angioplasty: initial and long-term results, Klinge J; Mali WPTM; Puijlaert CBAJ; Geyskes GG; Becking WB; Feldberg MAM, Radiology 1989; **171:** 501

radiation-induced renovascular hypertension successfully treated with transluminal angioplasty: case report, Milutinovic J; Darcy M; Thompson KA, Cardiovasc Intervent Radiol 1990; **13:** 29

radionuclide renography predicts functional changes in patients with renal artery involvement by Takayasu's arteritis, Cuocolo A; McCarthy KE; Sandrock D; et al, Urol Radiol 1989; **11:** 69

renal arterial rupture complicating transluminal angioplasty: successful conservative management, Ashenburg RJ; Blair RJ; Rivera FJ; Weigele JB, Radiology 1990; **174:** 983

renal arterial rupture complicating transluminal angioplasty, Levitt RG; Wholey MH, Radiology 1990; **176:** 583

renal arterial rupture complicating transluminal angioplasty: reply, Ashenburg RJ, Radiology 1990; **176:** 583

renal artery stenosis detection by combined Gates' technique and captopril test in hypertensive patients, Cuocolo A; Esposito S; Volpe M; et al, J Nucl Med 1989; **30:** 51

renal artery stenosis: diagnosis with color duplex US, Healy DA; Neumyer MM, Radiology 1990; **176:** 877

renal artery stenosis: diagnosis with color duplex US: reply, Berland LL; Koslin DB, Radiology 1990; **176:** 878

renal artery stenosis: evaluation with color Doppler flow imaging, Desberg AL; Paushter DM; Lammert GK; Hale JC; Troy RB; Novick AC; Nally JV Jr; Weltevreden AM, Radiology 1990; **177:** 749

renal artery stenosis in patients with aortic dissection: increased prevalence, Rackson ME; Lossef SV; Sos TA, Radiology 1990; **177:** 555

renal artery stenosis: in vivo perfusion MR imaging, Powers TA; Lorenz CH; Holburn GE; Price RR, Radiology 1991; **178:** 543

renal artery stenosis: preliminary results of treatment with the Strecker stent, Kuhn F-P; Kutkuhn B; Torsello G; Mödder U, Radiology 1991; **180:** 367

renal artery stenosis: prospective evaluation of diagnosis with color duplex US compared with angiography: work in progress, Berland LL; Koslin DB; Routh WD; Keller FS, Radiology 1990; **174:** 421

renal artery stent placement with use of the Wallstent endoprosthesis, Wilms GE; Peene PT; Baert AL; Nevelsteen AA; Suy RM; Verhaeghe RH; Vermylen JG; Fagard RH, Radiology 1991; **179:** 457

renal scintigraphy in renovascular hypertension secondary to stenosis of a supplemental renal artery, Simon T; Cuocolo A; Sandrock D; et al, J Nucl Med 1990; **31:** 674

renal vein renins: inability to predict response to revascularization in patients with hypertension, Roubidoux MA; Dunnick NR; Klotman PE; Newman GE; Cohan RH; Kadir S; Svetkey LP, Radiology 1991; **178:** 819

renovascular reconstruction: factors affecting long-term prognosis in 919 patients followed up to 31 years, (ab), Lawrie GM; Morris GC Jr; Glaeser DH; et al, Radiology 1990; **174:** 294

short-term morphologic results of percutaneous transluminal renal angioplasty as determined with angiography, Wilms GE; Baert AL; Amery AK; Staessen JA; Vermylen JG, Radiology 1989; **170:** 1019

surgical treatment of renal artery stenosis after failed percutaneous transluminal angioplasty, (ab), Martinez AG; Novick AC; Hayes JM, JVIR 1991; **2:** 291

transluminal angioplasty in patients with bilateral renal artery stenosis or renal artery stenosis in a solitary functioning kidney, Kim PK; Spriggs DW; Rutecki GW; et al, AJR 1989; **153:** 1305

transplant renal artery stenosis: evaluation with duplex sonography, Snider JF; Hunter DW; Moradian GP; Castaneda-Zuniga WR; Letourneau JG, Radiology 1989; **172:** 1027

use of ACE inhibitors in patients with renal artery stenosis, Stansby G; Scoble J; Hilson A; Hamilton G, Radiology 1991; **180:** 290

use of ACE inhibitors in patients with renal artery stenosis: reply, Rackson ME; Lossef SV; Sos TA, Radiology 1991; **180:** 291

Renal arteries, therapeutic blockade

case report: therapeutic embolization to control haematuria from transitional cell carcinoma of the kidney, Saifuddin A; Irving HC; Whelan P, Clin Radiol 1991; **44:** 132

embolization in traumatic intrarenal vascular injuries, Corr P; Hacking G, Clin Radiol 1991; **43:** 262

embolotherapy of a high-flow false aneurysm by using an occlusion balloon, thrombin, steel coils, and a detachable balloon, Lammert GK; Merine D; White RI Jr; et al, AJR 1989; **152:** 382

experimental evaluation of ethanol-ethiodol for transcatheter renal embolization, Wright KC; Loh G; Wallace S; et al, Cardiovasc Intervent Radiol 1990; **13:** 309

life-threatening post-nephrolithotomy hemorrhage resulting in cessation of kidney function, treated by transcatheter arterial embolization with subsequent restoration of excretory function, Szmigielski W; Hanna RM; Dahniya MH; et al, Acta Radiol 1991; **32:** 47

renal aneurysm and arteriovenous fistula: management with transcatheter embolization, Savastano S; Feltrin GP; Miotto D; et al, Acta Radiol 1990; **31:** 73

renal arterial rupture complicating transluminal angioplasty: successful conservative management, Ashenburg RJ; Blair RJ; Rivera FJ; Weigele JB, Radiology 1990; **174:** 983

renal arterial rupture complicating transluminal angioplasty, Levitt RG; Wholey MH, Radiology 1990; **176:** 583

renal arterial rupture complicating transluminal angioplasty: reply, Ashenburg RJ, Radiology 1990; **176:** 583

stab wounds of the renal artery branches: angiographic diagnosis and treatment by embolization, Fisher RG; Ben-Menachem Y; Whigham C, AJR 1989; **152:** 1231

treatment of urinary fistulas after resection of horseshoe kidneys by selective arterial embolization, Stefani P; Selli C; Nicita G; et al, Cardiovasc Intervent Radiol 1989; **12:** 18

Renal arteries, thrombosis

spontaneous return of renal flow and function on technetium-99m scan in a patient with renal artery thrombosis following angioplasty, Campbell DR; Iles SE, J Canad Assoc Radiol 1990; **41:** 389

Renal arteries, transluminal angioplasty

angioplasty from the contralateral approach: use of a guiding catheter and coaxial angioplasty balloons, Kaufman SL, Radiology 1990; **177:** 577

angioplasty of renal transplant artery stenosis in children, Barth MO; Gagnadoux MF; Mareschal JL; et al, Pediatr Radiol 1989; **19:** 383

fibromuscular dysplasia of the renal artery in a child: detection by Doppler ultrasound and correction by percutaneous transluminal angioplasty, Abernethy LJ; Hendry GMA; Reid JH, Pediatr Radiol 1989; **19:** 539

guiding catheter-assisted renal artery angioplasty, (ab), White CJ; Ramee SR; Collins TJ; et al, JVIR 1991; **2:** 413

Palmaz stent in atherosclerotic stenoses involving the ostia of the renal arteries: preliminary report of a multicenter study, Rees CR; Palmaz JC; Becker GJ; Ehrman KO; Richter GM; Noeldge G; Katzen BT; Dake MD; Schwarten DE, Radiology 1991; **181:** 507

percutaneous transluminal renal angioplasty: initial and long-term results, Klinge J; Mali WPTM; Puijlaert CBAJ; Geyskes GG; Becking WB; Feldberg MAM, Radiology 1989; **171:** 501

percutaneous transluminal renal angioplasty: initial results and long-term follow-up in 202 patients, Baert AL; Wilms G; Amery A; et al, Cardiovasc Intervent Radiol 1990; **13:** 22

radiation-induced renovascular hypertension successfully treated with transluminal angioplasty: case report, Milutinovic J; Darcy M; Thompson KA, Cardiovasc Intervent Radiol 1990; **13:** 29

radiologic diagnosis of renovascular hypertension and percutaneous transluminal renal angioplasty, Tack C; Sos TA, Semin Nucl Med 1989; **19:** 89

renal angioplasty using a TEGwire angioplasty balloon: technical note, Lossef SV; Rackson ME; Sos TA, Cardiovasc Intervent Radiol 1990; **13:** 115

renal arterial rupture complicating transluminal angioplasty: successful conservative management, Ashenburg RJ; Blair RJ; Rivera FJ; Weigele JB, Radiology 1990; **174:** 983

renal arterial rupture complicating transluminal angioplasty, Levitt RG; Wholey MH, Radiology 1990; **176:** 583

renal arterial rupture complicating transluminal angioplasty: reply, Ashenburg RJ, Radiology 1990; **176:** 583

renal artery stenosis: preliminary results of treatment with the Strecker stent, Kuhn F-P; Kutkuhn B; Torsello G; Mödder U, Radiology 1991; **180:** 367

renal artery stent placement with use of the Wallstent endoprosthesis, Wilms GE; Peene PT; Baert AL; Nevelsteen AA; Suy RM; Verhaeghe RH; Vermylen JG; Fagard RH, Radiology 1991; **179:** 457

results of renal artery balloon angioplasty limit its indications, (ab), Beebe HG; Chesebro K; Merchant F; et al, Radiology 1989; **171:** 885

short-term morphologic results of percutaneous transluminal renal angioplasty as determined with angiography, Wilms GE; Baert AL; Amery AK; Staessen JA; Vermylen JG, Radiology 1989; **170:** 1019

surgical renal artery reconstruction after percutaneous transluminal angioplasty, (ab), McCann RL; Bollinger R; Newman GE, Radiology 1989; **171:** 885

surgical treatment of renal artery stenosis after failed percutaneous transluminal angioplasty, (ab), Martinez AG; Novick AC; Hayes JM, JVIR 1991; **2:** 291

transluminal angioplasty in patients with bilateral renal artery stenosis or renal artery stenosis in a solitary functioning kidney, Kim PK; Spriggs DW; Rutecki GW; et al, AJR 1989; **153:** 1305

Renal arteries, US

abnormal renal and splanchnic arterial Doppler pattern in premature babies with symptomatic patent ductus arteriosus, Wong S-N; Lo RN-S; Hui P-W, J Ultrasound Med 1990; **9:** 125

color Doppler sonographic findings in renal vascular lesions, Sullivan RR; Johnson MB; Lee KP; et al, J Ultrasound Med 1991; **10:** 161

detection of vascular complications in renal allografts with color Doppler flow imaging, Grenier N; Douws C; Morel D; Ferrière J-M; Le Guillou M; Potaux L; Broussin J, Radiology 1991; **178:** 217

Doppler ultrasound studies in renal arteries of normal newborn babies, Lamont AC; Hall HS; Thompson JR; et al, Br J Radiol 1991; **64:** 413

Doppler waveforms in the renal arteries of normal children, Friedman DM; Schacht RG, JCU 1991; **19:** 387

duplex Doppler sonography for renal artery stenosis in the post-transplant pediatric patient, Stringer DA; O'Halpin D; Daneman A; et al, Pediatr Radiol 1989; **19:** 187

duplex Doppler ultrasound in determination of renal artery stenosis, Sievers KW; Löhr E; Werner WR, Urol Radiol 1989; **11:** 142

effect of heart rate on Doppler measurements of resistive index in renal arteries, Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D, Radiology 1990; **175:** 511

follow-up of renal artery stenosis by duplex ultrasound, (ab), Taylor DC; Moneta GL; Strandness DE Jr, Radiology 1989; **173:** 293

grade I hydronephrosis: pulsed Doppler US evaluation, Scola FH; Cronan JJ; Schepps B, Radiology 1989; **171:** 519

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; **171:** 253

postoperative follow-up of renal artery reconstruction with duplex ultrasound, (ab), Eidt JF; Fry RE; Clagett GP; et al, Radiology 1989; **172:** 294

renal artery stenosis: diagnosis with color duplex US, Healy DA; Neumyer MM, Radiology 1990; **176:** 877

renal artery stenosis: diagnosis with color duplex US: reply, Berland LL; Koslin DB, Radiology 1990; **176:** 878

renal artery stenosis: evaluation with color Doppler flow imaging, Desberg AL; Paushter DM; Lammert GK; Hale JC; Troy RB; Novick AC; Nally JV Jr; Weltevreden AM, Radiology 1990; **177:** 749

renal artery stenosis: prospective evaluation of diagnosis with color duplex US compared with angiography: work in progress, Berland LL; Koslin DB; Routh WD; Keller FS, Radiology 1990; **174:** 421

sonographic evaluation of renal artery aneurysm in childhood, Bunchman TE; Walker HSJ III; Joyce PF; et al, Pediatr Radiol 1991; **21:** 312

transplant renal artery stenosis: evaluation with duplex sonography, Snider JF; Hunter DW; Moradian GP; Castaneda-Zuniga WR; Letourneau JG, Radiology 1989; **172:** 1027

Renal tubular acidosis

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

Renal veins

See also Kidney; Renal angiography

"dilatation" of the left renal vein on computed tomography in children: a normal variant, Zerin JM; Hernandez RJ; Sedman AB; et al, Pediatr Radiol 1991; **21:** 267

Renal veins, neoplasms

leiomyosarcoma of the renal vein: radiologic pathologic correlation, Farah MC; Shirkhoda A; Ellwood RA; et al, Clin Imag 1989; **13:** 323

renal vein leiomyosarcoma: a case report and literature review, Martin J; Garcia M; Duran A; et al, Urol Radiol 1989; **11:** 25

Renal veins, stenosis or obstruction

renal transport vein stenosis: demonstration and percutaneous venoplasty of a new vascular complication in the transplant kidney, Olliff S; Negus R; Deane C; et al, Clin Radiol 1991; **43:** 42

Renal veins, thrombosis

acute renal vein thrombosis in renal allografts: detection with duplex Doppler US, Reuther G; Wanjura D; Bauer H, Radiology 1989; **170:** 557

acute renal vein thrombosis in renal allografts: new Doppler ultrasonic findings, Baxter GM; Morley P; Dall B, Clin Radiol 1991; **43:** 125

adrenal hemorrhage and renal vein thrombosis in the newborn: MR imaging, Brill PW; Jagannath A; Winchester P; Markisz JA; Zirinsky K, Radiology 1989; **170:** 95

bilateral adrenal hemorrhage associated with bilateral renal vein and vena cava thrombosis, Demirci A; Selcuk MB; Yazicioglu I, Pediatr Radiol 1991; **21:** 130

bilateral renal vein thrombosis: the changing pattern of renography, Kengen RAM; De Groot EH; Zijlstra JG; et al, Clin Nucl Med 1990; **15:** 437

calcified neonatal renal vein thrombosis demonstration by CT and US, Jayagopal S; Cohen HL; Brill PW; et al, Pediatr Radiol 1990; **20:** 160

CT diagnosis of renal vein thrombosis in nephrotic syndrome, Wei LQ; Rong ZK; Gui L; et al, JCAT 1991; **15:** 454

diagnosis of allograft renal vein thrombosis, Delbeke D; Sacks GA; Sandler MP, Clin Nucl Med 1989; **14:** 415

hyperechoic renal medullary pyramids in infants and children, Hernanz-Schulman M, Radiology 1991; **181:** 9

image-directed Doppler sonography of the intrarenal arteries in acute renal vein thrombosis, Parvey HR; Eisenberg RL, JCU 1990; **18:** 512

intestinal obstruction in a neonate with adrenal hemorrhage and renal vein thrombosis, Levine C, Pediatr Radiol 1989; **19:** 477

neonatal renal venous thrombosis: sequential ultrasonic appearances, Cremin BJ; Davey H; Oleszczuk-Raszke K, Clin Radiol 1991; **44:** 52

perinatal renal vein thrombosis: sonographic demonstration, Lalmand B; Avni EF; Nasr A; et al, J Ultrasound Med 1990; **9:** 437

renal imaging findings in renal vein thrombosis: a note of caution, Petronis J, Clin Nucl Med 1990; **14:** 654

thrombus calcification of renal vein in neonate: ultrasound and CT diagnosis, Starinsky R; Graif M; Lotan D; et al, JCAT 1989; **13:** 545

ultrasound demonstration of prenatal renal vein thrombosis, Sanders LD; Jequier S, Pediatr Radiol 1989; **19:** 133

Renal veins, US

acute renal vein thrombosis in renal allografts: detection with duplex Doppler US, Reuther G; Wanjura D; Bauer H, Radiology 1989; **170:** 557

grade I hydronephrosis: pulsed Doppler US evaluation, Scola FH; Cronan JJ; Schepps B, Radiology 1989; **171:** 519

perinatal renal vein thrombosis: sonographic demonstration, Lalmand B; Avni EF; Nasr A; et al, J Ultrasound Med 1990; **9:** 437

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; **171:** 253

Respiratory distress syndrome

acute effects of instillation of surfactant in severe respiratory distress syndrome, (ab), Halliday HL; McCord FB; McClure BG; et al, Radiology 1989; **172:** 887

bovine surfactant replacement therapy in neonates of less than 30 weeks' gestation: a randomized controlled trial of prophylaxis versus treatment, (ab), Dunn MS; Shennan AT; Zayack D; et al, Radiology 1991; **181:** 615

bronchopulmonary dysplasia and research in diagnostic radiology, Northway WH Jr, AJR 1991; **156:** 681

bronchopulmonary dysplasia: radiographic appearance in middle childhood, Griscom NT; Wheeler WB; Sweezey NB; Kim YC; Lindsey JC; Wohl MEB, Radiology 1989; **171:** 811

comparison of surfactant as immediate prophylaxis and as rescue therapy in newborns of less than 30 weeks' gestation, (ab), Kendig JW; Notter RH; Cox C; et al, Radiology 1991; **181:** 615

findings on chest radiographs after prophylactic pulmonary surfactant treatment of premature infants, Clarke EA; Siegle RL; Gong AK, AJR 1989; **153:** 799

hyaline membrane disease in the newborn: diagnosis by ultrasound, Avni EF; Braude P; Pardou A; et al, Pediatr Radiol 1990; **20:** 143

lung disease in the very immature neonate: radiographic and microscopic correlation, Wood BP; Davitt MA; Metlay LA, Pediatr Radiol 1989; **20:** 33

percutaneous decompression: treatment for respiratory distress secondary to multicystic dysplastic kidney, (ab), Holloway WR; Weinstein SH, Radiology 1991; **178:** 292

synthetic vs human surfactants in the treatment of respiratory distress syndrome: radiographic findings, Levine D; Edwards DK III; Merritt TA, AJR 1991; **157:** 371

use of computed radiography in respiratory distress syndrome in the neonatal nursery, Nakano Y; Odagiri K, Pediatr Radiol 1989; **19:** 167

Respiratory distress syndrome, adult

adult respiratory distress syndrome from overdose of tricyclic antidepressants, Varnell RM; Godwin JD; Richardson ML; Vincent JM, Radiology 1989; **170:** 667

adult respiratory distress syndrome in full-term newborns, (ab), Faix RG; Viscardi RM; DiPietro MA; et al, Radiology 1989; **173:** 888

application of nuclear medicine techniques to the study of ARDS, Mishkin FS; Mason GR, J Thorac Imag 1990; **5-3:** 1

delayed sequelae of pulmonary barotrauma, Cooper M; MacKeen AD; Janigan DT; et al, J Canad Assoc Radiol 1989; **40:** 232

pulmonary edema and adult respiratory distress syndrome, Morgan PW; Goodman LR, Radiol Clin North Am 1991; **29:** 943

systemic gas embolism complicating mechanical ventilation in the adult respiratory distress syndrome, (ab), Marini JJ; Culver BH, Radiology 1990; **174:** 290

Retina

differentiation of detached retina and vitreous membrane with color flow Doppler, Wong AD; Cooperberg PL; Ross WH; Araki DN, Radiology 1991; **178:** 429

proliferative retinopathy: absence of white matter lesions at MR imaging, Yousem DM; Tasman WS; Grossman RI, Radiology 1991; **179:** 229

Retina, CT

meningeal dissemination of retinoblastoma: CT findings in eight patients, Meli FJ; Boccaleri CA; Manzitti J; et al, AJNR 1990; **11:** 983

Retina, neoplasms

aggressive management of second primary tumors in survivors of hereditary retinoblastoma, Smith LM; Donaldson SS; Egbert PR; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 499

analysis of treatment results in 36 children with retinoblastoma treated byscleral plaque irradiation, Amendola BE; Markoe AM; Augsburger JJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 63

cobalt^{60} plaques in recurrent retinoblastoma, Fass D; McCormick B; Abramson D; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 625

early ultrasonographic diagnosis of hereditary retinoblastoma, Pierro L; Capoferri C; Brancato R, Pediatr Radiol 1991; **21:** 137

external beam irradiation for retinoblastoma: patterns of failure and dose-response analysis, Foote RL; Garretson BR; Schomberg PJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 823

meningeal dissemination of retinoblastoma: CT findings in eight patients, Meli FJ; Boccaleri CA; Manzitti J; et al, AJNR 1990; **11:** 983

proposal of a new pretreatment clinical TNM-classification of retinoblastoma, Rosengren B; Monge OR; Flage T, Acta Oncol 1989; **28:** 547

vascular effects of photodynamic therapy in an intraocular retinoblastoma–like tumour, Horsman MR; Winther J, Acta Oncol 1989; **28:** 693

Retinoblastoma

See Retina, neoplasms

Retroperitoneal space

See also Abdomen

amyloidosis: diffuse involvement of the retroperitoneum, Glynn TP Jr; Kreipke DL; Irons JM, Radiology 1989; **170:** 726

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

errant percutaneous Greenfield filter placement into the retroperitoneum, (ab), Adye BA; Raabe RD; Zobell RL, Radiology 1991; **178:** 294

incorporation versus infection of retroperitoneal aortic grafts: MR imaging features, Auffermann W; Olofsson PA; Rabahie GN; Tavares NJ; Stoney RJ; Higgins CB, Radiology 1989; **172:** 359

Retroperitoneal space, abscess

complications from extravasated retroperitoneal barium: case report and review of the literature, Walker CW; Purnell GL; Diner WC, Radiology 1989; **173:** 618

percutaneous drainage of retroperitoneal abscesses, Soffer M; Abecassis J-P; Bonnin A; Grateau G, Radiology 1989; **170:** 280

renal, perirenal, and pararenal abscesses: percutaneous drainage, Lang EK, Radiology 1990; **174:** 109

retroperitoneal–pericardial fistula caused by a perinephric abscess, Pery M; Adler OB; Kaftori JK, Urol Radiol 1990; **12:** 22

Tc-99m glucoheptonate imaging: retroperitoneal abscess, Sty JR; Wells RG, Clin Nucl Med 1990; **15:** 270

Retroperitoneal space, CT

amyloidosis: diffuse involvement of the retroperitoneum, Glynn TP Jr; Kreipke DL; Irons JM, Radiology 1989; **170:** 726

bleeding complications of femoral catheterization: CT evaluation, Trerotola SO; Kuhlman JE; Fishman EK, Radiology 1990; **174:** 37

computed tomography of idiopathic retroperitoneal fibrosis ('periaortitis'): variants, variations, patterns and pitfalls, Brooks AP, Clin Radiol 1990; **42:** 75

CT and anatomic study of postcatheterization hematomas, Trerotola SO; Kuhlman JE; Fishman EK, Radiographics 1991; **11:** 247

CT and MR imaging in the evaluation of retroperitoneal fibrosis, Mulligan SA; Holley HC; Koehler RE; et al, JCAT 1989; **13:** 277

CT in primary malignant germ cell tumors of the retroperitoneum, Blomlie V; Lien HH; Fossä SD; et al, Acta Radiol 1991; **32:** 155

diagnostic pitfalls in abdominal CT, Shirkhoda A, Radiographics 1991; **11:** 969

left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls, Gay SB; Armistead JP; Weber ME; Williamson BRJ, Radiographics 1991; **11:** 549

lymphangioma of the retroperitoneum: CT and sonographic characteristics, Davidson AJ; Hartman DS, Radiology 1990; **175:** 507

mature teratoma of the retroperitoneum: radiologic, pathologic, and clinical correlation, Davidson AJ; Hartman DS; Goldman SM, Radiology 1989; **172:** 421

medial extent of the posterior renal fascia: an anatomic and computed tomography study, Lim JH; Ryu KN; Yoon Y; et al, Clin Imag 1990; **14:** 17

MR and CT imaging of perirenal amyloidosis, Sueoka BL; Kasales CJ; Harris RD; et al, Urol Radiol 1989; **11:** 97

posterior abdominal stab wounds: role of CT evaluation, Fletcher TB; Setiawan H; Harrell RS; Redman HC, Radiology 1989; **173:** 621

primary retroperitoneal neoplasms: CT findings in 90 cases with clinical and pathologic correlation, Lane RH; Stephens DH; Reiman HM, AJR 1989; **152:** 83

retroperitoneal and pelvic CT of patients with AIDS: primary and secondary involvement of the genitourinary tract, Kuhlman JE; Browne D; Shermak M; Hamper UM; Zerhouni EA; Fishman EK, Radiographics 1991; **11:** 473

retroperitoneal cystic lymphangioma: section imaging in two cases, and review of the literature, Feldberg MA; Hendriks AV; Van Leeuwen MS; et al, Clin Imag 1990; **14:** 26

right perirenal space: computed tomography evidence of communication between the bare area of the liver, Lim JH; Auh YH; Suh SJ; et al, Clin Imag 1990; **14:** 239

Retroperitoneal space, diseases

diffuse retroperitoneal amyloidosis: further radiological observations, Posner R; Saks AM; Leiman G, Br J Radiol 1991; **64:** 469

malignant versus nonmalignant retroperitoneal fibrosis: differentiation with MR imaging, Arrivé L; Hricak H; Tavares NJ; Miller TR, Radiology 1989; **172:** 139

retroperitoneal sarcoidosis, Bach DB; Vellet AD, AJR 1991; **156:** 520

Retroperitoneal space, fat

excessive accumulation of normal retroperitoneal fat mimicking a neoplasm: urographic/CT correlations, Greenan TJ; Pollack HM; Lautin EM; et al, Urol Radiol 1990; **12:** 99

Retroperitoneal space, fibrosis

aortic displacement on computed tomography of idiopathic retroperitoneal fibrosis, Brooks AP; Reznek RH; Webb JAW, Clin Radiol 1989; **40:** 51

computed tomography of idiopathic retroperitoneal fibrosis ('periaortitis'): variants, variations, patterns and pitfalls, Brooks AP, Clin Radiol 1990; **42:** 75

CT and MR imaging in the evaluation of retroperitoneal fibrosis, Mulligan SA; Holley HC; Koehler RE; et al, JCAT 1989; **13:** 277

gallium-67 imaging in retroperitoneal fibrosis: significance of a negative result, Jacobson AF, J Nucl Med 1991; **32:** 521

magnetic resonance imaging in idiopathic retroperitoneal fibrosis: measurement of T_1 relaxation time, Brooks AP; Reznek RH; Webb JAW, Br J Radiol 1990; **63:** 842

magnetic resonance imaging in the diagnosis and followup of idiopathic retroperitoneal fibrosis, (ab), Yuh WTC; Barloon TJ; Sickels WJ; et al, Radiology 1989; **172:** 885

malignant versus nonmalignant retroperitoneal fibrosis: differentiation with MR imaging, Arrivé L; Hricak H; Tavares NJ; Miller TR, Radiology 1989; **172:** 139

pediatric case of the day, Brooks MT; Magill HL; Hanna SL; Fletcher BD; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 1096

retroperitoneal fibrosis, Amis ES Jr, Urol Radiol 1990; **12:** 135

retroperitoneal fibrosis, Amis ES Jr, AJR 1991; **157:** 321

Retroperitoneal space, hemorrhage

bleeding complications of femoral catheterization: CT evaluation, Trerotola SO; Kuhlman JE; Fishman EK, Radiology 1990; **174:** 37

CT and anatomic study of postcatheterization hematomas, Trerotola SO; Kuhlman JE; Fishman EK, Radiographics 1991; **11:** 247

retroperitoneal haematoma following orchidectomy: implications for staging computed tomography, Page JE; Prendergast CM; King DM, Br J Radiol 1990; **63:** 490

ultrasonic detection of a retroperitoneal haematoma causing duodenal obstruction following ureterolithotomy, Ritchie DA; Frazer CK; Taylor AD; et al, Br J Radiol 1990; **63:** 726

Retroperitoneal space, injuries

blunt trauma in children: significance of peritoneal fluid, Sivit CJ; Taylor GA; Bulas DI; Bowman LM; Eichelberger MR, Radiology 1991; **178:** 185

posterior abdominal stab wounds: role of CT evaluation, Fletcher TB; Setiawan H; Harrell RS; Redman HC, Radiology 1989; **173:** 621

Retroperitoneal space, MR
CT and MR imaging in the evaluation of retroperitoneal fibrosis, Mulligan SA; Holley HC; Koehler RE; et al, JCAT 1989; **13:** 277
incorporation versus infection of retroperitoneal aortic grafts: MR imaging features, Auffermann W; Olofsson PA; Rabahie GN; Tavares NJ; Stoney RJ; Higgins CB, Radiology 1989; **172:** 359
magnetic resonance imaging in idiopathic retroperitoneal fibrosis: measurement of T_1 relaxation time, Brooks AP; Reznek RH; Webb JAW, Br J Radiol 1990; **63:** 842
magnetic resonance imaging in the diagnosis and followup of idiopathic retroperitoneal fibrosis, (ab), Yuh WTC; Barloon TJ; Sickels WJ; et al, Radiology 1989; **172:** 885
malignant versus nonmalignant retroperitoneal fibrosis: differentiation with MR imaging, Arrivé L; Hricak H; Tavares NJ; Miller TR, Radiology 1989; **172:** 139
MR and CT imaging of perirenal amyloidosis, Sueoka BL; Kasales CJ; Harris RD; et al, Urol Radiol 1989; **11:** 97
MR imaging of retroperitoneal teratoma: correlation with CT and pathology, Choi BI; Chi JG; Kim SH; et al, JCAT 1989; **13:** 1083
retroperitoneal cystic lymphangioma: section imaging in two cases, and review of the literature, Feldberg MA; Hendriks AV; Van Leeuwen MS; et al, Clin Imag 1990; **14:** 26
Retroperitoneal space, neoplasms
anterior protrusion of retroperitoneal processes: a mimic of lesser sac or gastrohepatic masses, Wechsler RJ; Miller CL; Kurtz AB; et al, Clin Imag 1990; **14:** 146
case of the month: "the dormouse is asleep again" said the Hatter, and he poured a little hot tea upon its nose (*Lewis Carroll*), Ward SC; Hornsby VPL, Br J Radiol 1990; **63:** 733
CT in primary malignant germ cell tumors of the retroperitoneum, Blomlie V; Lien HH; Fosså SD; et al, Acta Radiol 1991; **32:** 155
cystic mesothelioma of the peritoneum, O'Neil JD; Ros PR; Storm BL; Buck JL; Wilkinson EJ, Radiology 1989; **170:** 333
extraadrenal retroperitoneal paraganglioma: clinical, pathologic, and CT findings, Hayes WS; Davidson AJ; Grimley PM; et al, AJR 1990; **155:** 1247
infected abdominal tumors: percutaneous catheter drainage, Mueller PR; White EM; Glass-Royal M; Zeman RK; Saini S; Silverman SG; Hahn PF; Simeone JF, Radiology 1989; **173:** 627
left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls, Gay SB; Armistead JP; Weber ME; Williamson BRJ, Radiographics 1991; **11:** 549
lymphangioma of the retroperitoneum: CT and sonographic characteristics, Davidson AJ; Hartman DS, Radiology 1990; **175:** 507
malignant versus nonmalignant retroperitoneal fibrosis: differentiation with MR imaging, Arrivé L; Hricak H; Tavares NJ; Miller TR, Radiology 1989; **172:** 139
mature teratoma of the retroperitoneum: radiologic, pathologic, and clinical correlation, Davidson AJ; Hartman DS; Goldman SM, Radiology 1989; **172:** 421
MR imaging of retroperitoneal teratoma: correlation with CT and pathology, Choi BI; Chi JG; Kim SH; et al, JCAT 1989; **13:** 1083
nonseminomatous germ cell tumors: enlarging masses despite chemotherapy, Panicek DM; Toner GC; Heelan RT; Bosl GJ, Radiology 1990; **175:** 499
perirenal hemangioendothelioma in a newborn: sonograph and MR findings, Koci TM; Worthen NJ; Phillips JJ; et al, JCAT 1989; **13:** 145
peritonitis due to rupture of retroperitoneal teratoma: computed tomography diagnosis, Ferrero A; Céspedes M; Cantarero JM; et al, Gastrointest Radiol 1990; **15:** 251
primary retroperitoneal neoplasms: CT findings in 90 cases with clinical and pathologic correlation, Lane RH; Stephens DH; Reiman HM, AJR 1989; **152:** 83
retroperitoneal tumors and lymphadenopathy, Hartman DS, Urol Radiol 1990; **12:** 132
retroperitoneal xanthogranuloma: report of two cases with a review of the literature, Hennessy OF; Ptasznik R; Chou ST; et al, Australas Radiol 1990; **34:** 347
silicone implant to prevent visceral damage during adjuvant radiotherapy for retroperitoneal sarcoma, Ball ABS; Cassoni A; Watkins RM; et al, Br J Radiol 1990; **63:** 346
venous collaterals and metastatic disease coexisting in the retroperitoneum, Anderson JEM; Ransom D; Trotter J, Australas Radiol 1989; **33:** 184
Retroperitoneal space, radionuclide studies
gallium-67 imaging in retroperitoneal fibrosis: significance of a negative result, Jacobson AF, J Nucl Med 1991; **32:** 521
Tc-99m glucoheptonate imaging: retroperitoneal abscess, Sty JR; Wells RG, Clin Nucl Med 1990; **15:** 270
Retroperitoneal space, US
lymphangioma of the retroperitoneum: CT and sonographic characteristics, Davidson AJ; Hartman DS, Radiology 1990; **175:** 507
mature teratoma of the retroperitoneum: radiologic, pathologic, and clinical correlation, Davidson AJ; Hartman DS; Goldman SM, Radiology 1989; **172:** 421
retroperitoneal cystic lymphangioma: section imaging in two cases, and review of the literature, Feldberg MA; Hendriks AV; Van Leeuwen MS; et al, Clin Imag 1990; **14:** 26
sonographic appearance of primary retroperitoneal cysts, Derchi LE; Rizzatto G; Banderali A; et al, J Ultrasound Med 1989; **8:** 381
Rhabdomyolysis
See Muscles
Rhabdomyosarcoma
See Myosarcoma
Ribs
stress-related rib and vertebral changes, Macones AJ Jr; Fisher MS; Locke JL, Radiology 1989; **170:** 117
thoracic outlet syndrome: evaluation with CT, Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B, Radiology 1989; **171:** 381
Ribs, abnormalities
"hole in a rib" as a sign of child abuse, Magid N; Glass T, Pediatr Radiol 1990; **20:** 334
intrathoracic fat: a new CT feature of intrathoracic rib. case report, Hawass N-E-D; Bahakim H; Al-Boukai AA, Clin Imag 1991; **15:** 31
intrathoracic rib: CT features, Trigaux J-PP; Sibille Y; Van Beers BE, JCAT 1990; **14:** 133
Ribs, CT
benign histiocytic fibroma of rib with CT correlation, Friedman L; Patel M; Lew E; et al, J Canad Assoc Radiol 1989; **40:** 114
counting ribs on chest CT, Bhalla M; McCauley DI; Golimbu C; et al, JCAT 1990; **14:** 590
intrathoracic rib: CT features, Trigaux J-PP; Sibille Y; Van Beers BE, JCAT 1990; **14:** 133
thoracic outlet syndrome: evaluation with CT, Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B, Radiology 1989; **171:** 381
Ribs, fractures
costal hook: an indicator of occult flail segment in chest trauma, Jackson A; Fields JM; Wong-You-Chong JJ, Eur J Radiol 1991; **13:** 69
normal scapulae or rib lesions: value of arm-abducted and arm-adducted views, Stewart CA; Fernandez OA, Clin Nucl Med 1991; **16:** 281
Ribs, neoplasms
case report 519, Jaffe JW; Mesgarzadeh M; Bonakdarpour A; et al, Skeletal Radiol 1989; **18:** 50
case report 574, Gentry JF; Schechter JJ; Mirra JM, Skeletal Radiol 1989; **18:** 551
case report 643, Kim H; Park C; Lee YB; et al, Skeletal Radiol 1990; **19:** 609
chest wall resection for Ewing's sarcoma of the rib: an unnecessary procedure, (ab), Rao BN; Hayes A; Thompson EI; et al, Radiology 1989; **170:** 592
primary Ewing sarcoma of rib, Moser RP Jr; Davis MJ; Gilkey FW; Kransdorf MJ; Rosado de Christenson ML; Kumar R; Bloem JL; Stull MA, Radiographics 1990; **10:** 899
Ribs, radionuclide studies
normal scapulae or rib lesions: value of arm-abducted and arm-adducted views, Stewart CA; Fernandez OA, Clin Nucl Med 1991; **16:** 281
rib lesions on bone scan after thoracotomy, De Geeter F, Clin Nucl Med 1990; **15:** 40
Rickets
case report: hypophosphataemic rickets and melorheostosis, Lee SH; Sanderson J, Clin Radiol 1989; **40:** 209
congenital rickets associated with magnesium sulfate infusion for tocolysis, (ab), Lamm CI; Norton KI; Murphy RJC; et al, Radiology 1989; **172:** 590
growth plate injury of the hand and wrist in renal osteodystrophy, Arvin M; White SJ; Braunstein EM, Skeletal Radiol 1990; **19:** 515
rickets and osteomalacia are still around, Pitt MJ, Radiol Clin North Am 1991; **29:** 97
tumor-induced osteomalacia and rickets, (ab), Nuovo MA; Dorfman HD; Sun C-CJ; et al, Radiology 1989; **173:** 886
x-linked hypophosphatemia in adults: prevalence of skeletal radiographic and scintigraphic features, Hardy DC; Murphy WA; Siegel BA; Reid IR; Whyte MP, Radiology 1989; **171:** 403
X-linked hypophosphatemic rickets without "rickets", Econs MJ; Feussner JR; Samsa GP; et al, Skeletal Radiol 1991; **20:** 109
Roentgenograms
See Images
Rubella
magnetic resonance imaging of the brain in congenital rubella virus and cytomegalovirus infections, Sugita K; Ando M; Makino M; et al, Neuroradiol 1991; **33:** 239
unusual encephaloclastic lesions with paraventricular calcification in congenital rubella, Parisot S; Droulle P; Feldmann M; et al, Pediatr Radiol 1991; **21:** 229

S

Sacrum
aneurysmal bone cyst of the sacrum, Capanna R; Van Horn JR; Biagini R; et al, Skeletal Radiol 1989; **18:** 109
pediatric case of the day: annual meeting, 1988, Fernbach SK; Poznanski AK, Radiographics 1989; **9:** 968
sacral foramina: view at CT, Magid D; Fishman EK; Ney DR, Radiology 1991; **178:** 573
Sacrum, CT
CT-guided fixation of sacral fractures and sacroiliac joint disruptions, Nelson DW; Duwelius PJ, Radiology 1991; **180:** 527
Sacrum, fractures
CT-guided fixation of sacral fractures and sacroiliac joint disruptions, Nelson DW; Duwelius PJ, Radiology 1991; **180:** 527
fatigue fracture of the sacrum: a case report, Haller J; Kindynis P; Resnick D; et al, J Canad Assoc Radiol 1989; **40:** 277
insufficiency fractures of the sacrum after radiotherapy for gynaecological malignancy, Lundin B; Björkholm E; Lundell M; et al, Acta Oncol 1990; **29:** 211
insufficiency fractures of the sacrum: ten cases and a review of the literature, Cotty P; Fouquet B; Mezenge C; et al, J Neuroradiol 1989; **16:** 160
magnetic resonance appearance of sacral insufficiency fractures, Brahme SK; Cervilla V; Vint V; et al, Skeletal Radiol 1990; **19:** 489
Sacrum, neoplasms
21-year old man with 2 year history of low back pain, Moran RE; Govoni AF; Brandwein M, Clin Imag 1990; **14:** 341

case report 503, Wuisman P; Roessner A; Härle A; et al, Skeletal Radiol 1989; **17:** 592

case report 566, Vade A; Wilbur A; Pudlowski R; et al, Skeletal Radiol 1989; **18:** 475

case report 619, Ehara S; Kattapuram SV; Rosenberg AE, Skeletal Radiol 1990; **19:** 375

MR imaging of sacral and presacral lesions, Wetzel LH; Levine E, AJR 1990; **154:** 771

primary sacral bone tumours in children (report of 16 cases with a short literature review), Kozlowski K; Barylak A; Campbell J; et al, Australas Radiol 1990; **34:** 142

Sacrum, radionuclide studies

intraosseous hemorrhage of the sacrum: another cause of a photopenic lesion on indium-111 labeled leukocyte scintigraphy, Oliverio R; Oates E, Clin Nucl Med 1990; **15:** 578

Salivary glands

See also Parotid gland

sialadenitis mimicking metastatic thyroid carcinoma, Kolla IS; Alazraki NP; Watts NB, Clin Nucl Med 1989; **14:** 564

Salivary glands, abnormalities

agenesis of the salivary glands: a report of two cases, Whyte AM; Hayward MWJ, Br J Radiol 1989; **62:** 1023

Salivary glands, CT

computed tomography of salivary glands in Sjögren's syndrome, (ab), March DE; Rao VM; Zwillenberg D, Radiology 1989; **173:** 295

digital subtraction sialography, conventional sialography, high-resolution ultrasonography and computed tomography in the diagnosis of salivary gland diseases, Rinast E; Gmelin E; Hollands-Thorn B, Eur J Radiol 1989; **9:** 224

unusually large sialocele: CT characteristics, Cholankeril JV; Ravipati M; Khedekar S; et al, JCAT 1989; **13:** 367

Salivary glands, interventional procedure

technical report: interventional sialography: Dormia basket removal of Wharton's duct calculus, Kelly IMG; Dick R, Clin Radiol 1991; **43:** 205

Salivary glands, MR

MR of the salivary glands, Tabor EK; Curtin HD, Radiol Clin North Am 1989; **27:** 379

preliminary results of nuclear magnetic resonance studies of healthy human saliva, Coudert JL; Lissac M; Teyssier R; et al, Magn Res Med 1989; **10:** 157

Salivary glands, neoplasms

carcinoma of the major salivary glands treated by surgery or surgery plus postoperative radiotherapy, North CA; Lee D-J; Piantadosi S; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1319

histologically benign pleomorphic adenoma of the calvaria, Girson M; Mendelsohn DB; Burns D; et al, AJNR 1991; **12:** 193

Meckel cave lesions: percutaneous fine-needle-aspiration biopsy cytology, Dresel SHJ; Mackey JK; Lufkin RB; Jabour BA; Desalles AAF; Layfield LJ; Duckwiler GR; Becker DP; Bentson JR; Hanafee WN, Radiology 1991; **179:** 579

oncocytic tumors of major salivary glands: a study of 68 cases with follow-up of 44 patients, (ab), Brandwein MS; Huvos AG, Radiology 1991; **181:** 912

salivary gland tumors of the oral cavity, Tran L; Sidrys J; Sadeghi A; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 413

technetium-99m pertechnetate and gallium-67 imaging in salivary gland disease, Higashi T; Shindo J; Everhart FR Jr; et al, Clin Nucl Med 1989; **14:** 504

Salivary glands, radiography

contrast media in sialography: a comparison of lipiodol ultra fluid and Urografin 290, Nicholson DA, Clin Radiol 1990; **42:** 423

digital subtraction sialography, conventional sialography, high-resolution ultrasonography and computed tomography in the diagnosis of salivary gland diseases, Rinast E; Gmelin E; Hollands-Thorn B, Eur J Radiol 1989; **9:** 224

helpful sialography technique, Acton VJ, Australas Radiol 1989; **33:** 171

Salivary glands, radionuclide studies

detection of pulmonary aspiration in children by radionuclide "salivagram", Heyman S; Respondek M, J Nucl Med 1989; **30:** 697

gallium-67 uptake in the salivary glands in chronic graft-versus-host disease after bone marrow transplantation, Yamauchi K; Noguchi K; Suzuki Y; et al, Clin Nucl Med 1989; **14:** 330

impaired trapping of Tc-99m pertechnetate in the salivary glands of patients with congenital hypothyroidism, Singh A, Clin Nucl Med 1990; **15:** 257

salivary gland scintigraphy—a suitable substitute for sialography?, Pilbrow WJ; Brownless SM; Cawood JI; et al, Br J Radiol 1990; **63:** 190

technetium-99m pertechnetate and gallium-67 imaging in salivary gland disease, Higashi T; Shindo J; Everhart FR Jr; et al, Clin Nucl Med 1989; **14:** 504

unilateral gallium-67 uptake in submandibular salivary gland following sialography, Hardoff R; Nachtigal D, Clin Nucl Med 1989; **14:** 65

Salivary glands, therapeutic radiology

carcinoma of the major salivary glands treated by surgery or surgery plus postoperative radiotherapy, North CA; Lee D-J; Piantadosi S; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1319

photon irradiation of unresectable carcinomas of salivary glands, Wang CC; Goodman M, Int J Radiat Oncol Biol Phys 1991; **21:** 569

radiation therapy in recurrent pleomorphic adenoma of the parotid, Dawson AK, Int J Radiat Oncol Biol Phys 1989; **16:** 819

Salivary glands, US

digital subtraction sialography, conventional sialography, high-resolution ultrasonography and computed tomography in the diagnosis of salivary gland diseases, Rinast E; Gmelin E; Hollands-Thorn B, Eur J Radiol 1989; **9:** 224

salivary gland echography in patients with Sjögren's syndrome, (ab), Kawamura H; Taniguchi N; Itoh K; et al, Radiology 1990; **177:** 295

sonography of the salivary glands, Gritzmann N, AJR 1989; **153:** 161

Sarcoidosis

assessment of diffuse infiltrative lung disease: comparison of conventional CT and high-resolution CT, Remy-Jardin M; Remy J; Deffontaines C; Duhamel A, Radiology 1991; **181:** 157

bronchoscopic and bronchographic findings in 12 patients with sarcoidosis and severe or progressive airways obstruction, (ab), Udwadia ZF; Pilling JR; Jenkins PF; et al, Radiology 1991; **178:** 588

cardiac sarcoidosis demonstrated by Tl-201 and Ga-67 SPECT imaging, Taki J; Nakajima K; Bunko H; et al, Clin Nucl Med 1990; **15:** 636

case report 594, Resnik CS; Young JWR; Aisner SC; et al, Skeletal Radiol 1990; **19:** 79

chiasmal sarcoidosis, Walker FO; McLean WT Jr; Elster A; et al, AJNR 1990; **11:** 1205

chronic diffuse infiltrative lung disease: comparison of diagnostic accuracy of CT and chest radiography, Mathieson JR; Mayo JR; Staples CA; Müller NL, Radiology 1989; **171:** 111

chronic diffuse interstitial lung disease: diagnostic value of chest radiography and high-resolution CT, Grenier P; Valeyre D; Cluzel P; Brauner MW; Lenoir S; Chastang C, Radiology 1991; **179:** 123

computed tomographic spectrum of thoracic sarcoidosis, Kuhlman JE; Fishman EK; Hamper UM; Knowles MC; Siegelman SS, Radiographics 1989; **9:** 449

computed tomography in pulmonary sarcoidosis, Lynch DA; Webb WR; Gamsu G; et al, JCAT 1989; **13:** 405

computed tomography of liver sarcoidosis, Nakata K; Iwata K; Kojima K; et al, JCAT 1989; **13:** 707

CT features of sarcoid infiltration of a lumbosacral nerve root, Baron B; Goldberg AL; Rothfus WE; et al, JCAT 1989; **13:** 364

CT findings of pulmonary sarcoidosis: analysis of 25 patients, Müller NL; Kullnig P; Miller RR, AJR 1989; **152:** 1179

do chest radiographic findings reflect the clinical course of patients with sarcoidosis during corticosteroid withdrawal?, Baumann MH; Strange C; Sahn SA, AJR 1990; **154:** 481

extrapulmonary sites of radiogallium accumulation in sarcoidosis, Sulavik SB; Palestro CJ; Spencer RP; et al, Clin Nucl Med 1990; **15:** 876

gallium scan diagnosis of sarcoidosis in the presence of equivocal radiographic and CT findings: value of lacrimal gland biopsy, Savolaine ER; Schlembach PJ, Clin Nucl Med 1990; **15:** 198

gastrointestinal sarcoidosis: radiographic findings, Levine MS; Ekberg O; Rubesin SE; et al, AJR 1989; **153:** 293

high-resolution computed tomography in pulmonary sarcoidosis, Dawson WB; Müller NL, Semin US CT MR 1990; **11:** 423

high-signal periventricular lesions in patients with sarcoidosis: neurosarcoidosis or multiple sclerosis?, Smith AS; Meisler DM; Weinstein MA; et al, AJNR 1989; **10:** 485

hilar and mediastinal adenopathy in sarcoidosis as detected by computed tomography, Sider L; Horton ES Jr, J Thorac Imag 1990; **5-2:** 77

inferior hilar window, Park C-K; Webb WR; Klein JS, Radiology 1991; **178:** 163

intracranial sarcoidosis on gadolinium-enhanced MRI, Liu DPC; Sze G, Neuroradiol 1991; **33:** 189

isolated muscular sarcoidosis causing fever of unknown origin: the value of gallium-67 imaging, Patel N; Krasnow AZ; Sebastian JL; et al, J Nucl Med 1991; **32:** 319

muscular sarcoidosis: findings at MR imaging, Otake S; Banno T; Ohba S; Noda M; Yamamoto M, Radiology 1990; **176:** 145

neurosarcoidosis: gadolinium-enhanced MR imaging, Williams DW III; Elster AD; Kramer SI, JCAT 1990; **14:** 704

neurosarcoidosis: signs, course and treatment in 35 confirmed cases, (ab), Chapelon C; Ziza JM; Piette JC; et al, Radiology 1991; **179:** 887

pulmonary parenchymal disease: evaluation with high-resolution CT, Murata K; Khan A; Herman PG, Radiology 1989; **170:** 629

pulmonary parenchymal high-resolution CT: to be or not to be, Naidich DP, Radiology 1989; **171:** 22

pulmonary sarcoidosis: evaluation with high-resolution CT, Brauner MW; Grenier P; Mompoint D; Lenoir S; de Crémoux H, Radiology 1989; **172:** 467

pulmonary sarcoidosis: what are we learning from CT?, Austin JHM, Radiology 1989; **171:** 603

retroperitoneal sarcoidosis, Bach DB; Vellet AD, AJR 1991; **156:** 520

sarcoidosis: abdominal manifestations at CT, Britt AR; Francis IR; Glazer GM; Ellis JH, Radiology 1991; **178:** 91

sarcoidosis complicated by HIV infection: three case reports and a review of the literature, (ab), Lowery WS; Whitlock WL; Dietrich RA; et al, Radiology 1991; **179:** 293

sarcoidosis: correlation of extent of disease at CT with clinical, functional, and radiographic findings, Müller NL; Mawson JB; Mathieson JR; Abboud R; Ostrow DN; Champion P, Radiology 1989; **171:** 613

sarcoidosis: correlation of pulmonary parenchymal pattern at CT with results of pulmonary function tests, Bergin CJ; Bell DY; Coblentz CL; Chiles C; Gamsu G; MacIntyre NR; Coleman RE; Putman CE, Radiology 1989; **171:** 619

sarcoidosis of the CNS: comparison of unenhanced and enhanced MR images, Sherman JL; Stern BJ, AJNR 1990; **11:** 915

sarcoidosis of the CNS: comparison of unenhanced and enhanced MR images, Sherman JL; Stern BJ, AJR 1990; **155:** 1293

sarcoidosis of the pineal region: CT and MR studies, Martin N; Debroucker T; Mompoint D; et al, JCAT 1989; **13:** 110

SPECT imaging with Tl-201 and Ga-67 in myocardial sarcoidosis, Kurata C; Sakata K; Taguchi T; et al, Clin Nucl Med 1990; **15:** 408

spinal cord sarcoidosis: a new finding at MR imaging with Gd-DTPA enhancement, Nesbit GM; Miller GM; Baker HL Jr; Ebersold MJ; Scheithauer B, Radiology 1989; **173:** 839

spinal cord sarcoidosis with intramedullary cyst formation, Clifton AG; Stevens JM; Kapoor R; et al, Br J Radiol 1990; **63:** 805

subdural mass lesion secondary to sarcoid granuloma: MR and CT findings and differential diagnosis, Brooks ML; Wang A-M; Black PM; et al, Comput Med Imag Graph 1989; **13:** 199

subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J, Radiology 1990; **177:** 133

ultrasonographic appearance of coexistent epididymal and testicular sarcoidosis, Burke BJ; Parker SH; Hopper KD; et al, JCU 1990; **18:** 522

Sarcoma

See also Ewing sarcoma; Kaposi sarcoma

alveolar soft-part sarcoma: a clinicopathologic study of half a century, (ab), Lieberman PH; Brennan MF; Kimmel M; et al, Radiology 1989; **172:** 888

angiosarcoma: diagnosis and clinical course, Coldwell DM; Baron RL; Charnsangavej C, Acta Radiol 1989; **30:** 627

angiosarcoma of the liver mimicking cavernous hemangioma on dynamic CT, Itai Y; Teraoka T, JCAT 1989; **13:** 910

angiosarcoma of the seminal vesicle: early detection using transrectal ultrasound-guided biopsy, Panageas E; Kuligowska E; Dunlop R; et al, JCU 1990; **18:** 666

bilateral pneumothorax as a presenting feature of metastatic angiosarcoma of the scalp, Lawton PA; Knowles S; Karp SJ; et al, Br J Radiol 1990; **63:** 132

case of breast carcinoma with sarcomatous metaplasia, Thompson AJ; Machin L, Clin Radiol 1989; **40:** 98

case report 517, Bertoni F; Bacchini P; Picci P; et al, Skeletal Radiol 1989; **18:** 221

case report 541, Hermann G; Wagner LD; Klein MJ; et al, Skeletal Radiol 1989; **18:** 241

case report 559, Young CL; Sim FH; Unni KK; et al, Skeletal Radiol 1989; **18:** 403

case report 569, Sanchez RB; Quinn SF; Walling A; et al, Skeletal Radiol 1989; **18:** 485

case report 634, Hopper KD; Haseman DB; Moser RP Jr; et al, Skeletal Radiol 1990; **19:** 535

case report 650, Greenfield GB; Cardenas C; Dawson PJ; et al, Skeletal Radiol 1991; **20:** 67

case report 658, Ostlere SJ; Gold RH; Mirra JM; et al, Skeletal Radiol 1991; **20:** 145

case report: chondrosarcoma presenting as an anterior mediastinal mass, Phillips GWL; Choong M, Clin Radiol 1991; **43:** 63

case report: mesenchymal chondrosarcoma occurring in the parapharyngeal space, Gomersall LN; Needham G, Clin Radiol 1990; **42:** 359

case report: pleural granulocytic sarcoma: CT characteristics, Lee MJ; Grogan L; Meehan S; et al, Clin Radiol 1991; **43:** 57

chondrosarcoma, Chew FS; Disler DG, AJR 1991; **156:** 1016

chondrosarcoma of the sternum: CT features, Aoki J; Moser RP Jr; Kransdorf MJ, JCAT 1989; **13:** 806

clear cell chondrosarcoma of bone: a report of 8 cases, Present D; Bacchini P; Pignatti G; et al, Skeletal Radiol 1991; **20:** 187

clear cell sarcoma of the kidney: CT, sonographic, and pathologic correlation, Glass RBJ; Davidson AJ; Fernbach SK, Radiology 1991; **180:** 715

comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; **179:** 247

computed tomography of uterine sarcomas, Trerotola SO; Fishman EK; Kuhlman JE, Clin Imag 1989; **13:** 208

craniofacial chondrosarcomas: imaging findings in 15 untreated cases, Lee Y-Y; Van Tassel P, AJNR 1989; **10:** 165

CT appearance of angiosarcoma associated with chronic lymphedema, Kazerooni E; Hessler C, AJR 1991; **156:** 543

cutaneous angiosarcoma of the breast 7 years after lumpectomy and radiation therapy, Rubin E; Maddox WA; Mazur MT, Radiology 1990; **174:** 258

dermatofibrosarcoma protuberans treated with radiation therapy, Marks LB; Suit HD; Rosenberg AE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 379

dynamic pion irradiation of unresectable soft tissue sarcomas, Greiner RH; Blattmann HJ; Thum P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1077

effect of combination therapy of radiation and local administration of OK-432 on a murine fibrosarcoma, Mukai M; Ando K; Koike S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 125

extraskeletal osteosarcoma: a clinicopathologic review of 26 cases, (ab), Bane BL; Evans HL; Ro JY; et al, Radiology 1990; **177:** 896

fibroadenoma of the breast: sonographic appearance, Fornage BD; Lorigan JG; Andry E, Radiology 1989; **172:** 671

granulocytic sarcoma of the colon, (ab), Catalano MF; Levin B; Hart RS; et al, Radiology 1991; **180:** 588

imaging of soft-tissue sarcomas with indium-111-labeled monoclonal antimyosin Fab fragments, Kairemo KJA; Wiklund TA; Liewendahl K; et al, J Nucl Med 1990; **31:** 23

"ink blot" bone imaging in metastatic osteogenic sarcoma, Spencer RP, Clin Nucl Med 1989; **14:** 848

intracranial chondrosarcoma in a patient with Ollier's disease, Clifton AG; Kendall BE; Crockard HA; et al, Br J Radiol 1991; **64:** 633

laryngeal chondrosarcoma: CT findings in three patients, Muñoz A; Peñarrocha L; Gallego F; et al, AJR 1990; **154:** 997

limb salvage therapy for soft tissue sarcomas of the foot, Selch MT; Kopald KH; Ferreiro GA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 41

local-regional non-rhabdomyosarcomatous soft tissue sarcomas of the head and neck, Fontanesi J; Pratt C; Kun L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 995

long-term risk of sarcoma following radiation treatment for breast cancer, Taghian A; de Vathaire F; Terrier P; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 361

low-grade soft tissue sarcomas of the extremities: analysis of risk factors for metastasis, (ab), Donohue JH; Collin C; Friedrich C; et al, Radiology 1989; **170:** 296

magnetic resonance imaging of cardiac sarcomas, Watanabe AT; Teitelbaum GP; Henderson RW; et al, J Thorac Imag 1989; **4-2:** 90

malignant cardiac fibrous histiocytomas and angiosarcomas: MR features, Kim EE; Wallace S; Abello R; et al, JCAT 1989; **13:** 627

massive bleeding after fine needle aspiration of liver angiosarcoma, Hertzanu Y; Peiser J; Zirkin H, Gastrointest Radiol 1990; **15:** 43

meningeal mesenchymal chondrosarcoma of the spine: a case report, Huckabee RE, JMRI 1991; **1:** 93

MR and CT evaluation of intraspinal chondrosarcoma, Judd J; Awwad EE; Smith KR Jr, Comput Med Imag Graph 1990; **14:** 213

MR and CT findings in pulmonary artery sarcoma, Smith WS; Lesar MS; Travis WD; et al, JCAT 1989; **13:** 906

multiple spinal granulocytic sarcomas simulating neurofibromatosis, Eelkema E; Johnson DW; Latchaw RE, AJNR 1989; **10:** 542

musculoskeletal neoplasms after intraarterial chemotherapy: correlation of MR images with pathologic specimens, Sanchez RB; Quinn SF; Walling A; Estrada J; Greenberg H, Radiology 1990; **174:** 237

orbital granulocytic sarcoma, Banna M; Aur R; Akkad S, AJNR 1991; **12:** 255

parosteal osteogenic sarcoma arising in cranial bones: clinical and radiologic features in eight patients, Kumar R; Moser RP Jr; Madewell JE; et al, AJR 1990; **155:** 113

^{31}P NMR spectra of extremity sarcomas: diversity of metabolic profiles and changes in response to chemotherapy, Koutcher JA; Ballon D; Graham M; et al, Magn Res Med 1990; **16:** 19

postoperative radiotherapy in the treatment of extremity soft tissue sarcomas, Pao WJ; Pilepich MV, Int J Radiat Oncol Biol Phys 1990; **19:** 907

preoperative hyperthermia and radiation for soft tissue sarcomas: advantage of two vs one hyperthermia treatments per week, Leopold KA; Harrelson J; Prosnitz L; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 107

preoperative irradiation for soft tissue sarcomas of the trunk and extremities in adults, Brant TA; Parsons JT; Marcus RB Jr; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 899

primary pulmonary artery sarcoma—a report of two cases, with special emphasis on the diagnostic problems, Britton PD, Clin Radiol 1990; **41:** 92

primary renal angiosarcoma mimicking a renal cell carcinoma, Desai MB; Chess Q; Naidich JB; et al, Urol Radiol 1989; **11:** 30

pulmonary artery sarcoma: evaluation using Gd-DTPA, Weinreb JC; Davis SD; Berkmen YM; et al, JCAT 1990; **14:** 647

radiation-induced sarcoma of bone: CT findings in 19 cases, Lorigan JG; Libshitz HI; Peuchot M, AJR 1989; **153:** 791

radiologic manifestations of alveolar soft-part sarcoma, Lorigan JG; O'Keeffe FN; Evans HL; et al, AJR 1989; **153:** 335

radionuclide detection of primary pulmonary osteogenic sarcoma: a case report and review of the literature, Petersen M, J Nucl Med 1990; **31:** 1110

radiosensitization of two murine fibrosarcomas with 6-thioguanine, Kim JH; Alfieri AA; Kim SH; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 583

rare cause of laryngeal distress: chondrosarcoma of the larynx, Horowitz DR; Perusek MC; Nguyen VD, Comput Med Imag Graph 1991; **15:** 67

sarcoma in Paget disease of bone: clinical, radiologic, and pathologic features in 22 cases, Moore TE; King AR; Kathol MH; et al, AJR 1991; **156:** 1199

soft-tissue sarcoma: MR imaging vs sonography for detection of local recurrence after surgery, Choi H; Varma DGK; Fornage BD; et al, AJR 1991; **157:** 353

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

soft-tissue sarcomas: MR imaging and MR spectroscopy for prognosis and therapy monitoring, work in progress, Dewhirst MW; Sostman HD; Leopold KA; Charles HC; Moore D; Burn RA; Tucker JA; Harrelson JM; Oleson JR, Radiology 1990; **174:** 847

spermatic cord sarcomas: sonographic and CT features, Cardenosa G; Papanicolaou N; Fung CY; et al, Urol Radiol 1990; **12:** 163

spindle cell sarcoma showing concentration of Tc-99m sodium pertechnetate and Tc-99m (V) DMSA, Halkar RK; Patel MC; Khammash NF, Clin Nucl Med 1990; **15:** 126

surgical margin in soft-tissue sarcoma, (ab), Bell RS; O'Sullivan B; Liu FF; et al, Radiology 1989; **173:** 589

synovial sarcoma in the neck of an eleven month old girl, Kester NL, Pediatr Radiol 1990; **20:** 487

Tc-99m MDP uptake by metastatic chondrosarcoma in the lung, Mekhmandarov S; Engelberg S; Nass D; et al, Clin Nucl Med 1989; **14:** 369

temporomandibular joint chondrosarcoma: CT demonstration, Wasenko JJ; Rosenbloom SA, JCAT 1990; **14:** 1002

thallium-201 scintigraphy in bone sarcoma: comparison with gallium-67 and technetium-MDP in the evaluation of chemotherapeutic response, Ramanna L; Waxman A; Binney G; et al, J Nucl Med 1990; **31:** 567

three-phase Tc-99m MDP scan findings of a soft tissue sarcoma, Braeuning MP; Park H-M, Clin Nucl Med 1990; **15:** 572

treatment of sarcomas of the chest wall using intensive combined modality therapy, Young MM; Kinsella TJ; Miser JS; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 49

Scapula

case report 518, Rubenstein DJ; Harkavy L; Glantz L, Skeletal Radiol 1989; **18:** 47

case report 652, Kenan S; Lewis MM; Abdelwahab IF; et al, Skeletal Radiol 1991; **20:** 73

case report 655, Borenstein ZCF; Mink J; Oppenheim W; et al, Skeletal Radiol 1991; **20:** 134

case report 663, Resendes M; Parker BR; Kempson RL; et al, Skeletal Radiol 1991; **20:** 222

giant cell tumor of the scapula: a review of 13 cases, Aoki J; Moser RP Jr; Vinh TN, Skeletal Radiol 1989; **18:** 427

MR appearance of bilateral periscapular elastofibromas, Gould ES; Javors BR; Morrison J; et al, JCAT 1989; **13:** 701

sickle-shaped scapulae in a patient with the Pierre Robin syndrome, Bezirdjian DR; Szucs R, Br J Radiol 1989; **62:** 171

variations in acromial ossification simulating infant abuse in victims of sudden infant death syndrome, Kleinman PK; Spevak MR, Radiology 1991; **180:** 185

Schistosomiasis

calcification of the large bowel in schistosomiasis demonstrated by computed tomography, Al-Hindawi M; Whitehouse GH; Al-Ansari AG; et al, Br J Radiol 1990; **63:** 357

computed tomographic detection of intestinal calcification of schistosomiasis japonica, Araki T; Kachi K; Monzawa S; et al, Gastrointest Radiol 1989; **14:** 360

CT of genitourinary calcification due to schistosomiasis, Fataar S; Rudwan M; Bassiony H; et al, Australas Radiol 1990; **34:** 234

intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM, Radiology 1991; **181:** 573

MR imaging of schistosomal myelitis, Dupuis MJM; Atrouni S; Dooms GC; et al, AJNR 1990; **11:** 782

radiologically visible gallbladder calcification due to schistosomiasis, Fataar S; Bassiony H; Satyanath S; et al, Br J Radiol 1990; **63:** 706

schistosomal colonic disease, (ab), El-Shiekh Mohamed AR; Al Karawi MA; Yasawy MI, Radiology 1990; **176:** 882

turtleback liver on CT and ultrasound: schistosoma japonica revisited, Albertyn LE; Ganguly BS; Cooper JE; et al, Australas Radiol 1990; **34:** 78

Schwannoma

case report 564, Abdelwahab IF; Hermann G; Stollman A; et al, Skeletal Radiol 1989; **18:** 466

cervical schwannoma masquerading as a glioma: MR findings, Tabatabai A; Jungreis CA; Yonas H, JCAT 1990; **14:** 489

CT and MR imaging of intralabyrinthine schwannoma: report of two cases and review of the literature, Mafee MF; Lachenauer CS; Kumar A; Arnold PM; Buckingham RA; Valvassori GE, Radiology 1990; **174:** 395

cystic intraventricular schwannoma: a case report, O AH; Meyer R, AJNR 1990; **11:** 1262

cystic schwannoma mimicking a brain stem tumor: MR features, Sigal R; d'Anthouard F; David P; et al, JCAT 1990; **14:** 662

Gd-DTPA–enhanced MR imaging of cochlear schwannoma, Brogan M; Chakeres DW, AJNR 1990; **11:** 407

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

tibialis posterior nerve schwannoma mimicking Achilles tendinitis: ultrasonographic diagnosis, Cantos-Melian B; Arriaza-Loureda R; Aisa-Varela P, JCU 1990; **18:** 671

trigeminal schwannoma: surgical series of 14 cases with review of the literature, (ab), McCormick PC; Bello JA; Post KD, Radiology 1989; **172:** 588

Sciatica

degenerative spondylolisthesis, synovial cyst of the zygapophyseal joints, and sciatic syndrome: report of two cases and review of the literature, (ab), Reust P; Wendling D; Lagier R; et al, Radiology 1989; **170:** 588

isthmic lumbar spondylolisthesis with sciatica: MR imaging vs myelography, Annertz M; Holtås S; Cronqvist S; et al, Acta Radiol 1990; **31:** 449

lumbar spinal canal size of sciatica patients, Hurme M; Alaranta H; Aalto T; et al, Acta Radiol 1989; **30:** 353

recurrent postoperative sciatica: evaluation with MR imaging and enhanced CT, Frocrain L; Duvauferrier R; Husson J-L; Noël J; Ramée A; Pawlotsky Y, Radiology 1989; **170:** 531

Scleroderma

cervical cord compression in scleroderma: one case, Bracard S; Thomas E; Braun M; et al, J Neuroradiol 1991; **18:** 12

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; **179:** 389

interstitial lung disease in progressive systemic sclerosis: high-resolution CT versus radiography, Schurawitzki H; Stiglbauer R; Graninger W; Herold C; Pölzleitner D; Burghuber OC; Tscholakoff D, Radiology 1990; **176:** 755

progressive systemic sclerosis (diffuse scleroderma) and radiotherapy, Cooper SG; Denham JW, Br J Radiol 1990; **63:** 804

radiographic changes of scleroderma in the hands, Doyle T; Littlejohn G; Miller M; et al, Australas Radiol 1990; **34:** 53

subpleural micronodules in diffuse infiltrative lung diseases: evaluation with thin-section CT scans, Remy-Jardin M; Beuscart R; Sault MC; Marquette CH; Remy J, Radiology 1990; **177:** 133

Sclerosing cholangitis

See Cholangitis

Sclerosis

inflammatory myelinoclastic diffuse sclerosis (Schilder's disease): neuroradiologic findings, Mehler MF; Rabinowich L, AJNR 1989; **10:** 176

Sclerosis, multiple

abnormal corpus callosum: a sensitive and specific indicator of multiple sclerosis, Gean-Marton AD; Vezina LG; Marton KI; Stimac GK; Peyster RG; Taveras JM; Davis KR, Radiology 1991; **180:** 215

assessment of demyelination, edema, and gliosis by *in vivo* determination of T1 and T2 in the brain of patients with acute attack of multiple sclerosis, Larsson HBW; Frederiksen JL; Petersen J; et al, Magn Res Med 1989; **11:** 337

auditory dysfunction caused by multiple sclerosis: detection with MR imaging, Curé JK; Cromwell LD; Case JL; et al, AJNR 1990; **11:** 817

axial vs sagittal T2-weighted brain MR images in the evaluation of multiple sclerosis, Wilms G; Marchal G; Kersschot E; et al, JCAT 1991; **15:** 359

Gd-DTPA–enhanced MR of suspected spinal multiple sclerosis, Larsson E-M; Holtås S; Nilsson O, AJNR 1989; **10:** 1071

high-resolution NMR spectroscopy of cerebral white matter in multiple sclerosis, Sappey-Marinier D, Magn Res Med 1990; **15:** 229

high-signal periventricular lesions in patients with sarcoidosis: neurosarcoidosis or multiple sclerosis?, Smith AS; Meisler DM; Weinstein MA; et al, AJNR 1989; **10:** 485

human brain proton localized NMR spectroscopy in multiple sclerosis, Van Hecke P; Marchal G; Johannik K; et al, Magn Res Med 1991; **18:** 199

impact of section doubling on lesion contrast, Sheldon PE; Rothschild PA; Kramer DM; Hale JD; Kaufman L, Radiology 1991; **180:** 123

multiple sclerosis and imaging of the corpus callosum, Quint DJ, Radiology 1991; **180:** 15

multiple sclerosis: histopathologic and MR and/or CT correlation in 37 cases at biopsy and three cases at autopsy, Nesbit GM; Forbes GS; Scheithauer BW; Okazaki H; Rodriguez M, Radiology 1991; **180:** 467

multiple sclerosis in adolescents: CT and MR findings, Osborn AG; Harnsberger HR; Smoker WRK; et al, AJNR 1990; **11:** 489

multiple sclerosis in adolescents: CT and MR findings, Osborn AG; Harnsberger HR; Smoker WRK; et al, AJR 1990; **155:** 385

multiple sclerosis in children: value of serial MR studies to monitor patients, Ebner F; Millner MM; Justich E, AJNR 1990; **11:** 1023

multiple sclerosis simulating brain tumor on computed tomography, Otsuka S-I; Nakatsu S; Matsumoto S; et al, JCAT 1989; **13:** 674

multiple sclerosis: specificity of MR for diagnosis, Yetkin FZ; Haughton VM; Papke RA; Fischer ME; Rao SM, Radiology 1991; **178:** 447

new MR imaging findings in multiple sclerosis, (ab), Gean-Marton AD; Weinstein MA, Radiology 1991; **179:** 591

one-year MR imaging follow-up of patients with multiple sclerosis under cortisone therapy, Uhlenbrock D; Herbe E; Seidel D; et al, Neuroradiol 1989; **31:** 3

ovoid lesion: a new MR observation in patients with multiple sclerosis, Horowitz AL; Kaplan RD; Grewe G; et al, AJNR 1989; **10:** 303

proton magnetic resonance spectroscopy of human brain *in vivo* in the evaluation of multiple sclerosis: assessment of the load of disease, Arnold DL; Matthews PM; Francis G; et al, Magn Res Med 1990; **14:** 154

trigeminal neuralgia (tic douloureux): MR imaging assessment, Hutchins LG; Harnsberger HR; Jacobs JM; Apfelbaum RI, Radiology 1990; **175:** 837

value of T1-weighted images in the differentiation between MS, white matter lesions, and subcortical arteriosclerotic encephalopathy (SAE), Uhlenbrock D; Sehlen S, Neuroradiol 1989; **31:** 203

Sclerosis, tuberous

axillary artery aneurysm in a patient with tuberous sclerosis, Libby PA; Maitem AN; Strauss EB, Pediatr Radiol 1989; **20:** 94

cardiac rhabdomyomata in tuberous sclerosis: their course and diagnostic value, (ab), Smith HC; Watson GH; Patel RG; et al, Radiology 1989; **173:** 586

cerebral tuberous sclerosis: MR imaging, Nixon JR; Houser OW; Gomez MR; Okazaki H, Radiology 1989; **170:** 869

developmental lymphatic disorders of the thorax, Scalzetti EM; Heitzman ER; Groskin SA; Randall PA; Katzenstein A-LA, Radiographics 1991; **11:** 1069

gadolinium-DTPA enhanced MR imaging in tuberous sclerosis, Martin N; Debussche C; De Broucker T; et al, Neuroradiol 1990; **31:** 492

hepatic angiomyolipomas in tuberous sclerosis: report of two cases, Robinson JD; Grant EG; Haller JO; et al, J Ultrasound Med 1989; **8:** 575

imaging characteristics of tuberous sclerosis, Bell DG; King BF; Hattery RR; et al, AJR 1991; **156:** 1081

MR and CT of tuberous sclerosis: linear abnormalities in the cerebral white matter, Iwasaki S; Nakagawa H; Kichikawa K; et al, AJNR 1990; **11:** 1029

MRI of two infants with tuberous sclerosis, Stricker T; Zuerrer M; Martin E; et al, Neuroradiol 1991; 33: 175

MR of central nervous system neoplasia of the phakomatoses, Braffman BH; Bilaniuk LT; Zimmerman RA, Semin Roentgenol 1990; 25: 198

neonatal tuberous sclerosis: magnetic resonance apearance of subependymal tubers, Dawson KL; Moore SG; Ariagno RL, Australas Radiol 1990; 34: 247

neonatal tuberous sclerosis: US, CT, and MR diagnosis of brain and cardiac lesions, Christophe C; Bartholome J; Blum D; et al, Pediatr Radiol 1989; 19: 446

prenatal diagnosis of unilateral renal disease in tuberous sclerosis, Blethyn J; Jones A; Sullivan B, Br J Radiol 1991; 64: 161

pulmonary lymphangiomyomatosis and tuberous sclerosis: comparison of radiographic and thin-section CT findings, Lenoir S; Grenier P; Brauner MW; Frija J; Remy-Jardin M; Revel D; Cordier J-F, Radiology 1990; 175: 329

radiological diagnosis and management of angiomylipoma of tumerous sclerosis, Kreel L; Yip KY; Stewart I; et al, Australas Radiol 1989; 33: 176

rare subependymal giant-cell astrocytoma in a neonate with tuberous sclerosis, Tien RD; Hesselink JR; Duberg A, AJNR 1990; 11: 1251

renal angiolipomas combined with renal cystic disease in tuberous sclerosis, Henze E; Roth J; Baehren W, Eur J Radiol 1989; 9: 125

renal angiomyolipoma associated with lymph node involvement and renal cell carcinoma in patients with tuberous sclerosis, (ab), Taylor RS; Joseph DB; Kohaut EC; et al, Radiology 1989; 173: 291

tuberous sclerosis: increased MR detection using gradient echo techniques, Berns DH; Masaryk TJ; Weisman B; et al, JCAT 1989; 13: 896

Scoliosis

See Spine, curvature

Screening, cancer

See Cancer screening

Screens and films

AAPM tutorial: contrast and scatter in x-ray imaging, Barnes GT, Radiographics 1991; 11: 307

comparison of two different T-grain films in rare-earth screens with a standard film–screen combination for intravenous pyelography and bone examinations, Logan H; Daly L; Masterson J, Br J Radiol 1989; 62: 237

control of breast cancer through screening mammography, Tabár L, Radiology 1990; 174: 655

conventional screen/film vs reduced exposure photostimulable phosphor plate imaging in lower extremity venography: an ROC analysis, Siegel EL; Cook LT; Parsa MB, AJR 1991; 156: 1095

enhanced risk from low-energy screen–film mammography X rays, Brenner DJ; Amols HI, Br J Radiol 1989; 62: 910

estimation of radiation risk from screening mammography, Koch RL, Radiology 1990; 176: 877

estimation of radiation risk from screening mammography: recent trends and comparison with expected benefits, Feig SA; Ehrlich SM, Radiology 1990; 174: 638

estimation of radiation risk from screening mammography: reply, Feig SA; Ehrlich SM, Radiology 1990; 176: 877

films, screens and cassettes for mammography, Law J; Kirkpatrick AE, Br J Radiol 1989; 62: 163

improved tool for testing screen-film contact in mammography, Mount CJ; Gray JE, Radiographics 1990; 10: 1049

mammography screening: technology, radiation dose and risk, quality control, and benefits to society, Haus AG; Feig SA; Ehrlich SM; Hendrick RE; Tabár L, Radiology 1990; 174: 627

new mammography screen/film combinations: imaging characteristics and radiation dose, Kimme-Smith C; Bassett LW; Gold RH; et al, AJR 1990; 154: 713

processing of mammographic films: technical and clinical considerations, Tabar L; Haus AG, Radiology 1989; 173: 65

recent films and screens for mammography, Law J, Br J Radiol 1990; 63: 966

screen-film-processing systems for medical radiography: a historical review, Haus AG; Cullinan JE, Radiographics 1989; 9: 1203

sensitometric responses of selected medical radiographic films, Kofler JM Jr; Gray JE, Radiology 1991; 181: 879

simple test pattern for mammographic screen-film contact measurement, Tanner RL, Radiology 1991; 178: 883

single-exposure dual-energy computed radiography: improved detection and processing, Ergun DL; Mistretta CA; Brown DE; Bystrianyk RT; Sze WK; Kelcz F; Naidich DP, Radiology 1990; 174: 243

standardization of image quality and radiation dose in mammography, Hendrick RE, Radiology 1990; 174: 648

storage phosphor versus screen-film radiography: effect of varying exposure parameters and unsharp mask filtering on the detectability of cortical bone defects, Prokop M; Galanski M; Oestmann JW; von Falkenhausen U; Rosenthal H; Reimer P; Nischelsky J; Reichelt S, Radiology 1990; 177: 109

technologic improvements in screen-film mammography, Haus AG, Radiology 1990; 174: 628

verification of electron beam therapy with storage phosphor images: precision of field placement, Weiser JC; Gur D; Cano ER; Deutsch M; Wu A; Mogus RM, Radiology 1990; 175: 257

Scrotum

incidence and clinical significance of subclinical scrotal varicoceles, (ab), Yarborough MA; Burns JR; Keller FS, Radiology 1990; 174: 292

Scrotum, abnormalities

acute scrotal disorders: prospective comparison of color Doppler US and testicular scintigraphy, Middleton WD; Siegel BA; Melson GL; Yates CK; Andriole GL, Radiology 1990; 177: 177

true hermaphroditism: sonographic demonstration of ovotestes, Eberenz W; Rosenberg HK; Moshang T; Chatten J; Keating MA, Radiology 1991; 179: 429

Scrotum, diseases

acute diseases of the scrotum, Tumeh SS; Benson CB; Richie JP, Semin US CT MR 1991; 12: 115

color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; 11: 941

color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; 11: 958

color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; 11: 958

Fournier gangrene caused by a perforated retroperitoneal appendix: CT demonstration, Gaeta M; Volta S; Minutoli A; et al, AJR 1991; 156: 341

scrotal inflammatory disease: color Doppler US findings, Horstman WG; Middleton WD; Melson GL, Radiology 1991; 179: 55

Scrotum, MR

heating of the scrotum by high-field-strength MR imaging, Shellock FG; Rothman B; Sarti D, AJR 1990; 154: 1229

magnetic resonance imaging of the scrotum, Mattrey RF, Semin US CT MR 1991; 12: 95

MR imaging in the differential diagnosis of scrotal and testicular disease, Cramer BM; Schlegel EA; Thueroff JW, Radiographics 1991; 11: 9

Scrotum, neoplasms

Burkitt lymphoma involving the epididymis and spermatic cord: sonographic and CT findings, Zwanger-Mendelsohn S; Shreck EH; Doshi V, AJR 1989; 153: 85

lipomas of the spermatic cord and testis: report of two cases, Rosenberg R; Williamson MR, JCU 1989; 17: 670

rhabdomyosarcoma of the funiculus, Solivetti FM; D'Ascenzo R; Molisso A; et al, JCU 1989; 17: 521

sonography of unusual extratesticular lesions, Haller J; Tscholakoff D; Gundry CR; et al, Urol Radiol 1989; 11: 190

spermatic cord sarcomas: sonographic and CT features, Cardenosa G; Papanicolaou N; Fung CY; et al, Urol Radiol 1990; 12: 163

ultrasound appearance of extratesticular myosarcoma, Freimanis MG; Bohm-Velez M; Mendelson EB; et al, JCU 1991; 19: 101

ultrasound case of the day: annual meeting, 1988, Dahnert WF; Rifkin MD; Kurtz AB, Radiographics 1989; 9: 554

Scrotum, radionuclide studies

acute scrotal disorders: prospective comparison of color Doppler US and testicular scintigraphy, Middleton WD; Siegel BA; Melson GL; Yates CK; Andriole GL, Radiology 1990; 177: 177

epididymal cyst simulating missed torsion by scrotal scintigraphy, Turetsky DB; Wilf LH, Clin Nucl Med 1990; 15: 846

Scrotum, US

acute scrotal disorders: prospective comparison of color Doppler US and testicular scintigraphy, Middleton WD; Siegel BA; Melson GL; Yates CK; Andriole GL, Radiology 1990; 177: 177

case of scrotal birth trauma: sonographic evaluation, Weinberg B; Rodriguez LR; Diakoumakis EE, JCU 1990; 18: 737

color Doppler sonography in acute epididymitis and orchitis, Ralls PW; Jensen MC; Lee KP; et al, JCU 1990; 18: 383

color Doppler sonography of the scrotum, Ralls PW; Larsen D; Johnson MB; et al, Semin US CT MR 1991; 12: 109

color Doppler US in the evaluation of acute scrotal disease, Lerner RM; Mevorach RA; Hulbert WC; Rabinowitz R, Radiology 1990; 176: 355

color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; 11: 941

color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; 11: 958

color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; 11: 958

has ultrasound influenced the therapy concept of blunt scrotal trauma?, (ab), Kratzik C; Hainz A; Kuber W; et al, Radiology 1990; 175: 884

imaging the testis and scrotal structures, Fowler R, Clin Radiol 1990; 41: 81

impact of sonography on the management of extratesticular abnormalities of the scrotum, Yeager BA; Arger PH; Mintz MC; et al, JCU 1989; 17: 573

preliminary evaluation of color Doppler imaging for investigation of intrascrotal pathology, (ab), Krieger JN; Wang K; Mack L, Radiology 1991; 179: 886

scrotal inflammatory disease: color Doppler US findings, Horstman WG; Middleton WD; Melson GL, Radiology 1991; 179: 55

sonography of large scrotal infections, Jafri SZH; Bree RL; Madrazo BL; et al, JCU 1991; 19: 413

sonography of the male genital tract, Benson CB; Doubilet PM; Richie JP, AJR 1989; 153: 705

sonography of unusual extratesticular lesions, Haller J; Tscholakoff D; Gundry CR; et al, Urol Radiol 1989; 11: 190

suspected testicular torsion and ischemia: evaluation with color Doppler sonography, Burks DD; Markey BJ; Burkhard TK; Balsara ZN; Haluszka MM; Canning DA, Radiology 1990; 175: 815

true hermaphroditism: sonographic demonstration of ovotestes, Eberenz W; Rosenberg HK; Moshang T; Chatten J; Keating MA, Radiology 1991; 179: 429

ultrasonographic appearance of coexistent epididymal and testicular sarcoidosis, Burke BJ; Parker SH; Hopper KD; et al, JCU 1990; 18: 522

ultrasound appearance of extratesticular myosarcoma, Freimanis MG; Bohm-Velez M; Mendelson EB; et al, JCU 1991; 19: 101

ultrasound of the nonacute scrotum, Doherty FJ, Semin US CT MR 1991; 12: 131

Von Hippel–Lindau disease: radiologic screening for visceral manifestations, Choyke PL; Filling-Katz MR; Shawker TH; Gorin MB; Travis WD; Chang R; Seizinger BR; Dwyer AJ; Linehan WM, Radiology 1990; 174: 815

Seizures

band heterotopias: a newly recognized neuronal migration anomaly, Barkovich AJ; Jackson DE Jr; Boyer RS, Radiology 1989; 171: 455

brain: integrated three-dimensional display of MR and PET images, Levin DN; Hu X; Tan KK; Galhotra S; Pelizzari CA; Chen GTY; Beck RN; Chen C-T; Cooper MD; Mullan JF; Hekmatpanah J; Spire J-P, Radiology 1989; **172:** 783

computed tomography (CT) and magnetic resonance (MR) imaging of heterotopic gray matter presenting with late-onset seizures, Mineura K; Fushimi S; Sugawara T; et al, Comput Med Imag Graph 1990; **14:** 217

EEG scalp electrode projection onto three-dimensional surface rendered images of the brain, Jack CR Jr; Marsh WR; Hirschorn KA; Sharbrough FW; Cascino GD; Karwoski RA; Robb RA, Radiology 1990; **176:** 413

functional brain imaging in cavernous hemangioma: demonstration of the anatomic lesion as the seizure focus, Timmons JH; Hartshorne MF; Brantley MJ, Clin Nucl Med 1990; **14:** 696

generalized seizure after IV administration of gadopentetate dimeglumine, Harbury OL, AJNR 1991; **12:** 666

HIPDM-SPECT brain imaging in the presurgical evaluation of patients with intractable seizures, Shen W; Lee BI; Park H-M; et al, J Nucl Med 1990; **31:** 1280

I-123 iofetamine single photon emission tomography in school-age children with difficult-to-control seizures, Gelfand MJ; Stowens DW, Clin Nucl Med 1990; **14:** 675

infantile spasm induced by hemispheric pachygria ultrasound, MRI and Tc-99m HMPAO SPECT, Kao CH; Han NT; Liao SQ; et al, Pediatr Radiol 1991; **21:** 373

intracerebral gangliogliomas in patients with partial complex seizures: CT and MR imaging findings, Tampieri D; Moumdjian R; Melanson D; et al, AJNR 1991; **12:** 749

MR imaging in patients with temporal lobe seizures: correlation of results with pathologic findings, Heinz ER; Crain BJ; Radtke RA; et al, AJNR 1990; **11:** 827

MR imaging in patients with temporal lobe seizures: correlation of results with pathologic findings, Heinz ER; Crain BJ; Radtke RA; et al, AJR 1990; **155:** 581

seizure induced disruption of blood–brain barrier demonstrated by CT, Clarke HB; Gabrielsen TO, JCAT 1989; **13:** 889

Sella turcica

reduction in sella turcica volume: an effect of long-term treatment with the somatostatin analogue, SMS 201-995, in acromegalic patients, Lund E; Jørgensen J; Christensen SE; et al, Neuroradiol 1991; **33:** 162

Sella turcica, empty

herniation of the suprasellar visual system and third ventricle into empty sellae: morphologic and clinical considerations, Kaufman B; Tomsak RL; Kaufman BA; et al, AJNR 1989; **10:** 65

Sella turcica, MR

MR imaging of the sellar and juxtasellar regions, Johnsen DE; Woodruff WW; Allen IS; Cera PJ; Funkhouser GR; Coleman LL, Radiographics 1991; **11:** 727

Seminal vesicle

congenital cystic disease of the seminal vesicle, King BF; Hattery RR; Lieber MM; Berquist TH; Williamson B Jr; Hartman GW, Radiology 1991; **178:** 207

seminal vesicle cysts: association with adult polycystic kidney disease, Alpern MB; Dorfman RE; Gross BH; Gottlieb CA; Sandler MA, Radiology 1991; **180:** 79

seminal vesicle imaging, King BF; Hattery RR; Lieber MM; Williamson B Jr; Hartman GW; Berquist TH, Radiographics 1989; **9:** 653

Seminal vesicle, CT

congenital cystic disease of the seminal vesicle, King BF; Hattery RR; Lieber MM; Berquist TH; Williamson B Jr; Hartman GW, Radiology 1991; **178:** 207

extrarenal genitourinary tuberculosis: CT appearance of calcified pipe-stem ureter and seminal vesicle abscess, Birnbaum BA; Friedman JP; Lubat E; et al, JCAT 1990; **14:** 653

seminal vesicle abscesses: spectrum of computed tomographic findings, Kang YS; Fishman EK; Kuhlman JE; et al, Urol Radiol 1989; **11:** 182

seminal vesicle cysts: association with adult polycystic kidney disease, Alpern MB; Dorfman RE; Gross BH; Gottlieb CA; Sandler MA, Radiology 1991; **180:** 79

seminal vesicle imaging, King BF; Hattery RR; Lieber MM; Williamson B Jr; Hartman GW; Berquist TH, Radiographics 1989; **9:** 653

Seminal vesicle, MR

congenital cystic disease of the seminal vesicle, King BF; Hattery RR; Lieber MM; Berquist TH; Williamson B Jr; Hartman GW, Radiology 1991; **178:** 207

cysts of the prostate and seminal vesicles: MR imaging findings in 11 cases, Gevenois PA; Van Sinoy ML; Sintzoff SA Jr; et al, AJR 1990; **155:** 1021

MR imaging in seminal vesiculitis, Sue DE; Chicola C; Brant-Zawadzki MN; et al, JCAT 1989; **13:** 662

MR imaging of the seminal vesicles, Secaf E; Nuruddin RN; Hricak H; et al, AJR 1991; **156:** 989

seminal vesicle imaging, King BF; Hattery RR; Lieber MM; Williamson B Jr; Hartman GW; Berquist TH, Radiographics 1989; **9:** 653

Seminal vesicle, US

abnormalities of the seminal tract causing infertility: diagnosis with endorectal sonography, Abbitt PL; Watson L; Howards S, AJR 1991; **157:** 337

congenital cystic disease of the seminal vesicle, King BF; Hattery RR; Lieber MM; Berquist TH; Williamson B Jr; Hartman GW, Radiology 1991; **178:** 207

invasion of the seminal vesicles by prostatic cancer: detection with transrectal sonography, Terris MK; McNeal JE; Stamey TA, AJR 1990; **155:** 811

puncture of the seminal vesicles guided by a transrectal real-time linear scanner, Abe M; Watanabe H; Kojima M; et al, JCU 1989; **17:** 173

role of transrectal ultrasonography in the diagnosis and management of prostatic and seminal vesicle cysts, (ab), Shabsigh R; Lerner S; Fishman IJ; et al, Radiology 1989; **173:** 291

seminal vesicle imaging, King BF; Hattery RR; Lieber MM; Williamson B Jr; Hartman GW; Berquist TH, Radiographics 1989; **9:** 653

seminal vesicles: imaging and intervention using transrectal ultrasound, Asch MR; Toi A, J Ultrasound Med 1991; **10:** 19

sonographic findings of leiomyoma in the seminal vesicle, Bahn DK; Brown RKJ; Shei K-Y; et al, JCU 1990; **18:** 517

Seminoma

combination chemotherapy with vinblastine, ifosfamide and cisplatin in bulky seminoma, Clemm C; Hartenstein R; Willich N; et al, Acta Oncol 1989; **28:** 231

radiation therapy of early (stages I and II-A) seminoma of testis after initial orchiectomy, (ab), Sinha PP; Kandazari S, Radiology 1991; **180:** 589

radiotherapy for testicular seminoma stage I: treatment results and long-term post-irradiation morbidity in 365 patients, Fossá SD; Aass N; Kaalhus O, Int J Radiat Oncol Biol Phys 1989; **16:** 383

risk of second cancer (SC) in patients treated for testicular seminoma, Hellbardt A; Mirimanoff R-O; Obradovic M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1327

role of bipedal lymphangiography in testicular seminoma, Lindeman GJ; Carr P; Tiver KW; et al, Australas Radiol 1990; **34:** 293

sonographic diagnosis of testicular seminoma occurring 8 years after initial extragonadal seminoma, Premkumar A; Shawker TH; Choyke PL, J Ultrasound Med 1991; **10:** 469

spontaneous pneumothorax with metastatic seminoma, Chippindale AJ; Patel B; Eddleston B, Br J Radiol 1989; **62:** 1100

stage II seminoma: results of postorchiectomy irradiation, Sagerman RH; Kotlove DJ; Regine WF; Chung CT; King GA; Dalal PS, Radiology 1989; **172:** 565

'watch policy' in patients with suspected stage I testicular seminoma: CT as a sole staging and surveillance technique, Charig MJ; Hindley AC; Lloyd K; et al, Clin Radiol 1990; **42:** 40

Sensitometry

See Screens and films

Septum pellucidum

septo-optic dysplasia: MR imaging, Barkovich AJ; Fram EK; Norman D, Radiology 1989; **171:** 189

septum pellucidum: normal and abnormal, Sarwar M, AJNR 1989; **10:** 989

ultrasound of the septum pellucidum: recognition of evolving fenestrations in the hydrocephalic infant, Cohen HL; Haller JO; Pollack A, J Ultrasound Med 1990; **9:** 377

Sex

early determination of fetal sex using transvaginal sonography: technique and pitfalls, Bronshtein M; Rottem S; Yoffe N; et al, JCU 1990; **18:** 302

sagittal sign: an early second trimester sonographic indicator of fetal gender, Emerson DS; Felker RE; Brown DL, J Ultrasound Med 1989; **8:** 293

true hermaphroditism: sonographic demonstration of ovotestes, Eberenz W; Rosenberg HK; Moshang T; Chatten J; Keating MA, Radiology 1991; **179:** 429

Shoulder

scintigraphic findings in patients with shoulder pain caused by interleukin-2, Baron NW; Davis LP; Flaherty LE; et al, AJR 1990; **154:** 327

shoulder in multiple epiphyseal dysplasia, (ab), Ingram RR, Radiology 1991; **181:** 615

Shoulder, abnormalities

alterations in the supraspinatus tendon at MR imaging: correlation with histopathologic findings in cadavers, Kjellin I; Ho CP; Cervilla V; Haghighi P; Kerr R; Vangness CT; Friedman RJ; Trudell D; Resnick D, Radiology 1991; **181:** 837

medial dislocation of the biceps brachii tendon: appearance at MR imaging, Cervilla V; Schweitzer ME; Ho C; Motta A; Kerr R; Resnick D, Radiology 1991; **180:** 523

shoulder deformities from obstetrical brachial plexus paralysis, Pollock AN; Reed MH, Skeletal Radiol 1989; **18:** 295

shoulder impingement syndrome: sonographic evaluation, Farin PU; Jaroma H; Harju A; Soimakallio S, Radiology 1990; **176:** 845

tears of the glenoid labrum: MR imaging of 88 arthroscopically confirmed cases, Legan JM; Burkhard TK; Goff WB II; Balsara ZN; Martinez AJ; Burks DD; Kallman DA; O'Brien TJ; Lapoint JM, Radiology 1991; **179:** 241

Shoulder, anatomy

effect of arm rotation on MR imaging of the rotator cuff, Davis SJ; Teresi LM; Bradley WG Jr; Ressler JA; Eto RT, Radiology 1991; **181:** 265

glenoid labrum: preliminary work with use of radial-sequence MR imaging, Munk PL; Holt RG; Helms CA; Genant HK, Radiology 1989; **173:** 751

normal rotator cuff: MR imaging with conventional and fat-suppression techniques, Mirowitz SA, Radiology 1991; **180:** 735

Shoulder, arthritis

"idiopathic destructive arthritis" of the shoulder: a still fascinating enigma, Nguyen VD; Nguyen KD, Comput Med Imag Graph 1990; **14:** 249

septic arthritis of the shoulder in adults, (ab), Leslie BM; Harris JM; Driscoll D, Radiology 1990; **176:** 296

Shoulder, arthrography

arthrographie distensive dans le traitement de la capsulite adhésive de l'épaule, Morency G; Dussault RG; Robillard P; et al, J Canad Assoc Radiol 1989; **40:** 84

arthrography of the post-traumatic knee, shoulder, and wrist: current status and future trends, Gundry CR; Schils JP; Resnick D; et al, Radiol Clin North Am 1989; **27:** 957

bicipital groove dysplasia and medial dislocation of the biceps brachii tendon, Levinsohn EM; Santelli ED, Skeletal Radiol 1991; **20:** 419

comparison of conventional and computed arthrotomography with MR imaging in the evaluation of the shoulder, Habibian A; Stauffer A; Resnick D; et al, JCAT 1989; **13:** 968

double-contrast computed tomographic arthrography of the shoulder joint, Cook JV; Tayar R, Br J Radiol 1989; **62:** 1043

glenoid hypoplasia: assessment of computed tomographic arthrography, Manns RA; Davies AM, Clin Radiol 1991; **43:** 316

MR arthrography of the shoulder: comparison with conventional MR imaging, Flannigan B; Kursunoglu-Brahme S; Snyder S; et al, AJR 1990; **155:** 829

pitfall-to-avoid: injection of the subcoracoid bursa: a cause of technical failure in shoulder arthrography, Naimark A; Baum A, J Canad Assoc Radiol 1989; **40:** 170

rotator cuff tears: prospective comparison of MR imaging with arthrography, sonography, and surgery, Burk DL Jr; Karasick D; Kurtz AB; et al, AJR 1989; **153:** 87

shoulder arthrography with sodium meglumine metrizoate and iopamidol, Ahovuo J; Paavolainen P; Saarinen O, Skeletal Radiol 1989; **18:** 89

shoulder joint: arthrographic CT and long-term follow-up, with surgical correlation, Wilson AJ; Totty WG; Murphy WA Jr; Hardy DC, Radiology 1989; **173:** 329

shoulder joint: arthrographic CT appearance, Pennes DR, Radiology 1990; **175:** 878

shoulder joint: arthrographic CT appearance: reply, Murphy WA, Radiology 1990; **175:** 879

Shoulder, CT

computed arthrotomography of the shoulder: comparison of examinations made with internal and external rotation of the humerus, Pennes DR; Jonsson K; Buckwalter KA; et al, AJR 1989; **153:** 1017

double-contrast computed tomographic arthrography of the shoulder joint, Cook JV; Tayar R, Br J Radiol 1989; **62:** 1043

irreducible posterior dislocation of the shoulder: MR and CT findings, Allard JC; Bancroft J, JCAT 1991; **15:** 694

shoulder joint: arthrographic CT and long-term follow-up, with surgical correlation, Wilson AJ; Totty WG; Murphy WA Jr; Hardy DC, Radiology 1989; **173:** 329

shoulder joint: arthrographic CT appearance, Pennes DR, Radiology 1990; **175:** 878

shoulder joint: arthrographic CT appearance: reply, Murphy WA, Radiology 1990; **175:** 879

Shoulder, dislocation

case report 633, Rakofsky M; Arias C; Wagner JJ, Skeletal Radiol 1990; **19:** 532

glenoid labrum: evaluation with MR imaging, Garneau RA; Renfrew DL; Moore TE; El-Khoury GY; Nepola JV; Lemke JH, Radiology 1991; **179:** 519

irreducible posterior dislocation of the shoulder: MR and CT findings, Allard JC; Bancroft J, JCAT 1991; **15:** 694

osteochondrosis dissecans of the glenoid, Shanley DJ; Mulligan ME, Skeletal Radiol 1990; **19:** 419

Shoulder, injuries

active abduction view: a new maneuvre in the diagnosis of rotator cuff tears, Bloom RA, Skeletal Radiol 1991; **20:** 255

apical oblique radiograph in examination of acute shoulder trauma, Sloth C; Just SL, Eur J Radiol 1989; **9:** 147

arthrography of the post-traumatic knee, shoulder, and wrist: current status and future trends, Gundry CR; Schils JP; Resnick D; et al, Radiol Clin North Am 1989; **27:** 957

case report 544, Baran GA; Vas WG; Sundaram M; et al, Skeletal Radiol 1989; **18:** 459

case report 642, Morris CS; Lloyd T, Skeletal Radiol 1990; **19:** 607

clinical presentation of complete tears of the rotator cuff, (ab), Norwood LA; Barrack R; Jacobson KE, Radiology 1989; **173:** 590

glenoid labrum: evaluation with MR imaging, Garneau RA; Renfrew DL; Moore TE; El-Khoury GY; Nepola JV; Lemke JH, Radiology 1991; **179:** 519

glenoid labrum: preliminary work with use of radial-sequence MR imaging, Munk PL; Holt RG; Helms CA; Genant HK, Radiology 1989; **173:** 751

isolated avulsion fracture of the lesser tuberosity of the humerus: report of two cases, Ross GJ; Love MB, Radiology 1989; **172:** 833

magnetic resonance imaging in acute and chronic rotator cuff tears, Buirski G, Skeletal Radiol 1990; **19:** 109

MR evaluation of brachial plexus injuries, Gupta RK; Mehta VS; Banerji AK; et al, Neuroradiol 1989; **31:** 377

MR imaging of shoulder injuries in professional baseball players, Burk DL Jr; Torres JL; Marone PJ; Mitchell DG; Rifkin MD; Karasick D, JMRI 1991; **1:** 385

review: imaging the painful shoulder, Dawson P; Trewhella M, Clin Radiol 1990; **41:** 376

rotator cuff lesions: signal patterns at MR imaging, Rafii M; Firooznia H; Sherman O; Minkoff J; Weinreb J; Golimbu C; Gidumal R; Schinella R; Zaslav K, Radiology 1990; **177:** 817

rotator cuff sonography: a reassessment, Brandt TD; Cardone BW; Grant TH; Post M; Weiss CA, Radiology 1989; **173:** 323

rotator cuff tear: clinical experience with sonographic detection, Soble MG; Kaye AD; Guay RC, Radiology 1989; **173:** 319

rotator cuff tears: diagnosis with sonography, Vick CW; Bell SA, AJR 1990; **154:** 121

rotator cuff tears: diagnostic performance of MR imaging, Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE, Radiology 1989; **172:** 223

rotator cuff tears: prospective comparison of MR imaging with arthrography, sonography, and surgery, Burk DL Jr; Karasick D; Kurtz AB; et al, AJR 1989; **153:** 87

shoulder impingement syndrome: sonographic evaluation, Farin PU; Jaroma H; Harju A; Soimakallio S, Radiology 1990; **176:** 845

shoulder joint: arthrographic CT and long-term follow-up, with surgical correlation, Wilson AJ; Totty WG; Murphy WA Jr; Hardy DC, Radiology 1989; **173:** 329

shoulder joint: arthrographic CT appearance, Pennes DR, Radiology 1990; **175:** 878

shoulder joint: arthrographic CT appearance: reply, Murphy WA, Radiology 1990; **175:** 879

sonography of the shoulder, Hall FM, Radiology 1989; **173:** 310

status of rotator cuff sonography, Middleton WD, Radiology 1989; **173:** 307

tears of the glenoid labrum: MR imaging of 88 arthroscopically confirmed cases, Legan JM; Burkhard TK; Goff WB II; Balsara ZN; Martinez AJ; Burks DD; Kallman DA; O'Brien TJ; Lapoint JM, Radiology 1991; **179:** 241

Shoulder, MR

alterations in the supraspinatus tendon at MR imaging: correlation with histopathologic findings in cadavers, Kjellin I; Ho CP; Cervilla V; Haghighi P; Kerr R; Vangness CT; Friedman RJ; Trudell D; Resnick D, Radiology 1991; **181:** 837

biceps tendon dislocation: evaluation with MR imaging, Chan TW; Dalinka MK; Kneeland JB; Chervrot A, Radiology 1991; **179:** 649

comparison of conventional and computed arthrotomography with MR imaging in the evaluation of the shoulder, Habibian A; Stauffer A; Resnick D; et al, JCAT 1989; **13:** 968

effect of arm rotation on MR imaging of the rotator cuff, Davis SJ; Teresi LM; Bradley WG Jr; Ressler JA; Eto RT, Radiology 1991; **181:** 265

glenoid labrum: evaluation with MR imaging, Garneau RA; Renfrew DL; Moore TE; El-Khoury GY; Nepola JV; Lemke JH, Radiology 1991; **179:** 519

glenoid labrum: preliminary work with use of radial-sequence MR imaging, Munk PL; Holt RG; Helms CA; Genant HK, Radiology 1989; **173:** 751

irreducible posterior dislocation of the shoulder: MR and CT findings, Allard JC; Bancroft J, JCAT 1991; **15:** 694

magnetic resonance imaging in acute and chronic rotator cuff tears, Buirski G, Skeletal Radiol 1990; **19:** 109

magnetic resonance imaging of the shoulder, Meyer SJF; Dalinka MK, Semin US CT MR 1990; **11:** 253

magnetic resonance imaging of the shoulder, Tsai JC; Zlatkin MB, Radiol Clin North Am 1990; **28:** 279

magnetic resonance imaging of the shoulder, Kursunoglu-Brahme S; Resnick D, Radiol Clin North Am 1990; **28:** 941

magnetic resonance imaging of the shoulder: rationale and current applications, Holt RG; Helms CA; Steinbach L; et al, Skeletal Radiol 1990; **19:** 5

magnetic resonance imaging of the shoulder: sensitivity, specificity, and predictive value, (ab), Iannotti JP; Zlatkin MB; Esterhai JL; et al, Radiology 1991; **180:** 591

medial dislocation of the biceps brachii tendon: appearance at MR imaging, Cervilla V; Schweitzer ME; Ho C; Motta A; Kerr R; Resnick D, Radiology 1991; **180:** 523

MR arthrography of the shoulder: comparison with conventional MR imaging, Flannigan B; Kursunoglu-Brahme S; Snyder S; et al, AJR 1990; **155:** 829

MRI and sonography of the shoulder, Hodler J; Terrier B; von Schulthess GK; et al, Clin Radiol 1991; **43:** 323

MR imaging of shoulder injuries in professional baseball players, Burk DL Jr; Torres JL; Marone PJ; Mitchell DG; Rifkin MD; Karasick D, JMRI 1991; **1:** 385

MR imaging of the shoulder: correlation with plain radiography, Burk DL Jr; Karasick D; Mitchell DG; et al, AJR 1990; **154:** 549

MR of the shoulder with a 0.2-T permanent-magnet unit, Sasaki M; Ehara S; Nakasato T; et al, AJR 1990; **154:** 777

normal rotator cuff: MR imaging with conventional and fat-suppression techniques, Mirowitz SA, Radiology 1991; **180:** 735

rotator cuff lesions: signal patterns at MR imaging, Rafii M; Firooznia H; Sherman O; Minkoff J; Weinreb J; Golimbu C; Gidumal R; Schinella R; Zaslav K, Radiology 1990; **177:** 817

rotator cuff tears: diagnostic performance of MR imaging, Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE, Radiology 1989; **172:** 223

rotator cuff tears: prospective comparison of MR imaging with arthrography, sonography, and surgery, Burk DL Jr; Karasick D; Kurtz AB; et al, AJR 1989; **153:** 87

sonography of the shoulder, Hall FM, Radiology 1989; **173:** 310

synovial osteochondromatosis of the shoulder: MR findings, Tuckman G; Wirth CZ, JCAT 1989; **13:** 360

tears of the glenoid labrum: MR imaging of 88 arthroscopically confirmed cases, Legan JM; Burkhard TK; Goff WB II; Balsara ZN; Martinez AJ; Burks DD; Kallman DA; O'Brien TJ; Lapoint JM, Radiology 1991; **179:** 241

Shoulder, radiography

active abduction view: a new maneuvre in the diagnosis of rotator cuff tears, Bloom RA, Skeletal Radiol 1991; **20:** 255

apical oblique radiograph in examination of acute shoulder trauma, Sloth C; Just SL, Eur J Radiol 1989; **9:** 147

Shoulder, US

limited sensitivity of ultrasound for the detection of rotator cuff tears, Miller CL; Karasick D; Kurtz AB; et al, Skeletal Radiol 1989; **18:** 179

MRI and sonography of the shoulder, Hodler J; Terrier B; von Schulthess GK; et al, Clin Radiol 1991; **43:** 323

rotator cuff sonography: a reassessment, Brandt TD; Cardone BW; Grant TH; Post M; Weiss CA, Radiology 1989; **173:** 323

rotator cuff tear: clinical experience with sonographic detection, Soble MG; Kaye AD; Guay RC, Radiology 1989; **173:** 319

rotator cuff tears: diagnosis with sonography, Vick CW; Bell SA, AJR 1990; **154:** 121

rotator cuff tears: prospective comparison of MR imaging with arthrography, sonography, and surgery, Burk DL Jr; Karasick D; Kurtz AB; et al, AJR 1989; **153:** 87

shoulder impingement syndrome: sonographic evaluation, Farin PU; Jaroma H; Harju A; Soimakallio S, Radiology 1990; **176:** 845

sonography of the shoulder, Hall FM, Radiology 1989; **173:** 310

status of rotator cuff sonography, Middleton WD, Radiology 1989; **173:** 307

ultrasonography in lesions of the rotator cuff and biceps tendon, Ahovuo J; Paavolainen P; Björkenheim J-M, Acta Radiol 1989; **30:** 253

ultrasonography of the tendons of the shoulder, Ahovuo J; Paavolainen P; Homström T, Eur J Radiol 1989; **9:** 17

Shunts, arteriovenous

aspiration catheter for percutaneous thrombectomy: clinical results, Günther RW; Vorwerk D, Radiology 1990; **175:** 271

paradoxical cerebral emboli associated with pulmonary arteriovenous shunts: report of three cases, Desai SP; Rees C; Jinkins JR, AJNR 1991; **12:** 355

pediatric case of the day, Boulden TF; Tonkin ILD; Burton EM; Seidel FG; Magill HL; Hanna SL; Brooks MT, Radiographics 1990; **10:** 119

popliteal pseudoaneurysm and arteriovenous shunt following arthroscopic meniscectomy: case report, Vassallo P; Reiser MF; Strobel M; et al, Cardiovasc Intervent Radiol 1989; **12:** 142

Shunts, cardiac

improved method for the quantification of left-to-right cardiac shunts, Madsen MT; Argenyi E; Preslar J; et al, J Nucl Med 1991; **32:** 1808

Shunts, mesocaval

ultrasonography and Doppler duplex compared with angiography in follow-up of mesocaval shunt patency, Hederström E; Forsberg L; Ivancev K; et al, Acta Radiol 1990; **31:** 341

Shunts, peritoneovenous

Doppler ultrasonographic evaluation of Denver (peritoneovenous) shunts in two patients with intractable ascites, Zegel HG; Brisson LJ; Frost S; et al, J Ultrasound Med 1991; **10:** 457

scintigraphic demonstration of restored Denver peritoneovenous shunt patency using urokinase, Balon HR; Fink-Bennett D, Clin Nucl Med 1989; **14:** 310

Shunts, portacaval

bleeding gastroesophageal varices: gastric vein embolization after partial portal decompression, Coldwell DM; Moore ADA; Ben-Menachem Y; Johansen KH, Radiology 1991; **178:** 249

case report: diagnosis of cavo-portal shunt in inferior vena cava obstruction: comparison between venography and dynamic scintigraphy, Nishida T; Okuda A, Clin Radiol 1991; **43:** 274

color Doppler sonography of portocaval shunts, Ralls PW; Lee KP; Mayekawa DS; et al, JCU 1990; **18:** 379

nonoperative portacaval shunt in swine, Goldman ML; Bertino RE; Nelson JA; et al, Invest Radiol 1990; **25:** 574

portacaval shunt versus endoscopic sclerotherapy in the elective treatment of variceal hemorrhage, (ab), Planas R; Boix J; Broggi M; et al, JVIR 1991; **2:** 421

Shunts, portohepatic

enormous shunt between the portal and hepatic veins associated with multiple coronary artery fistulas, Mori K; Dohi T; Yamamoto H; et al, Pediatr Radiol 1990; **21:** 66

magnetic resonance imaging of macroscopic intrahepatic portal-hepatic venous shunts, Araki T; Ohtomo K; Kachi K; et al, Gastrointest Radiol 1991; **16:** 221

Shunts, portosystemic

color Doppler imaging of portosystemic shunts, Grant EG; Tessler FN; Gomes AS; et al, AJR 1990; **154:** 393

color Doppler sonography in spontaneous splenorenal portosystemic shunts, Sie A; Johnson MB; Lee KP; et al, J Ultrasound Med 1991; **10:** 167

comparison of shunt fraction estimation using transcolonic iodine-123-iodoamphetamine and technetium-99m-pertechnetate in a group of dogs with experimentally-induced chronic biliary cirrhosis, Koblik PD; Hornof WJ; Yen C-K; et al, J Nucl Med 1991; **32:** 124

effect of portasystemic shunts on subsequent transplantation of the liver, (ab), AbouJaoude MA; Grant DR; Ghent CN; et al, JVIR 1991; **2:** 420

intrahepatic portosystemic venous shunt, Park JH; Cha SH; Han JK; et al, AJR 1990; **155:** 527

magnetic resonance imaging evaluation of spontaneous portosystemic collaterals, Rafal RB; Kosovsky PA; Jennis R; et al, Cardiovasc Intervent Radiol 1990; **13:** 40

percutaneous intrahepatic portosystemic shunt created via a femoral vein approach, LaBerge JM; Ring EJ; Gordon RL, Radiology 1991; **181:** 679

portal venous system after portosystemic shunts or endoscopic sclerotherapy: evaluation with Doppler sonography, Rice S; Lee KP; Johnson MB; et al, AJR 1991; **156:** 85

portasystemic shunt fraction quantification using transrectal administration of iodine-123 iodoamphetamine in dogs with chronic bile duct ligation and after propranolol administration, Yen C-K; Koblik P; Breznock B; et al, J Nucl Med 1989; **30:** 1702

transjugular intrahepatic portosystemic stent-shunt (TIPSS): results of a pilot study, Richter GM; Noeldge G; Palmaz JC; et al, Cardiovasc Intervent Radiol 1990; **13:** 200

Shunts, pulmonary

microvascular right-to-left pulmonary shunt demonstrated by a radionuclide method, Kjøller E; Pedersen F; Svendsen TL; et al, J Nucl Med 1991; **32:** 139

Shunts, splenorenal

high incidence of spontaneous splenorenal shunting shown by digital splenoportography, Balkanci F; Farid N; Guran S; et al, Pediatr Radiol 1991; **21:** 145

Shunts, ventricular

cerebrospinal fluid shunts: flow measurements with MR imaging, Martin AJ; Drake JM; Lemaire C; Henkelman RM, Radiology 1989; **173:** 243

differentiation between meningeal fibrosis and chronic subdural hematoma after ventricular shunting: value of enhanced CT and MR scans, Destian S; Heier LA; Zimmerman RD; et al, AJNR 1989; **10:** 1021

occluded fourth ventricle after multiple shunt revisions for hydrocephalus, (ab), Coker SB; Anderson CL, Radiology 1989; **173:** 887

transcranial sonography through the burr hole for detection of ventriculomegaly: a preliminary report, Slovis TL; Canady A; Touchette A; et al, J Ultrasound Med 1991; **10:** 195

Shunts, ventriculoperitoneal

abdominal wall cyst: a complication of ventriculoperitoneal shunting, Chow CC; Haney P, Pediatr Radiol 1991; **21:** 305

cerebrospinal fluid pseudocyst presenting as a hepatic mass: a complication of ventriculoperitoneal shunt, Wang F; Miller JH, Pediatr Radiol 1989; **19:** 326

complementary role of plain radiographs and radionuclide shuntography in evaluating CSF-VP shunts, Blair K; AuCoin R; Kloiber R; et al, Clin Nucl Med 1989; **14:** 121

flow-sensitive MR imaging of ventriculoperitoneal shunts: in vitro findings, clinical applications, and pitfalls, Castillo M; Hudgins PA; Malko JA; et al, AJNR 1991; **12:** 667

lesser sac cerebrospinal fluid collection: an unusual complication of a ventriculoperitoneal shunt, Eschelman DJ; Lee VW, Clin Nucl Med 1990; **15:** 415

marked cerebrospinal fluid void: indicator of successful shunt in patients with suspected normal-pressure hydrocephalus, Bradley WG Jr; Whittemore AR; Kortman KE; Watanabe AS; Homyak M; Teresi LM; Davis SJ, Radiology 1991; **178:** 459

unusual case of cerebrospinal fluid shunt dysfunction, Monaghan P; Van der Wall H, Clin Nucl Med 1990; **15:** 853

ventriculoperitoneal shunt failure resulting from complications of the thoracic segment of the shunt catheter: case report, Savolaine ER; Khimji T, Clin Imag 1991; **15:** 35

Sialography

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Sickle cell disease (SS, SC)

acute splenic sequestration crisis in two adults with sickle cell disease: US, CT, and MR imaging findings, Roshkow JE; Sanders LM, Radiology 1990; **177:** 723

case report 558, Malpani AR; Ramani SK; Sundaram M, Skeletal Radiol 1989; **18:** 399

detection of acute osteomyelitis with indium-111 labeled white blood cells in a patient with sickle cell disease, Fernandez-Ulloa M; Vasavada PJ; Black RR, Clin Nucl Med 1989; **14:** 97

diagnosis of cerebrovascular disease in sickle cell anemia by magnetic resonance angiography, (ab), Wiznitzer M; Ruggieri PM; Masaryk TJ; et al, Radiology 1991; **180:** 592

diagnostic imaging of bone and joint abnormalities associated with sickle cell hemoglobinopathies, Sebes JI, AJR 1989; **152:** 1153

differentiation of bone and bone marrow infarcts from osteomyelitis in sickel cell disorders, Kim HC; Alavi A; Russell MO; et al, Clin Nucl Med 1989; **14:** 249

hyperemic peripheral red marrow in a patient with sickle cell anemia demonstrated on Tc-99m labeled red blood cell venography, Heiden RA; Locko RC; Stent TR, Clin Nucl Med 1991; **16:** 153

imaging the bone marrow with magnetic resonance during a crisis and in chronic forms of sickle cell disease, Van Zanten TEG; Stratius Van Eps LW; Golding RP; et al, Clin Radiol 1989; **40:** 486

incidental demonstration of cerebral infarction on bone scintigraphy in sickle cell disease, Hung G-L; Stewart CA; Yeo E; et al, Clin Nucl Med 1990; **15:** 671

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

osteomyelitis in children with sickle cell disease: early diagnosis with contrast-enhanced CT, Stark JE; Glasier CM; Blasier RD; Aronson J; Seibert JJ, Radiology 1991; **179:** 731

renal abnormalities in sickle cell disease, (ab), Alion M, Radiology 1990; **176:** 884

sensorineural hearing loss in sickle cell crisis, (ab), Elwany S; Kamel T, Radiology 1989; **170:** 591

severe hypoxemia secondary to acute sternal infarction in sickle cell anemia, Ballas SK; Park CH, J Nucl Med 1991; **32:** 1617

sonographic pattern of gallbladder disease in children with sickle cell anaemia, Nzeh DA; Adedoyin MA, Pediatr Radiol 1989; **19:** 290

technetium-99m white blood cell imaging: false-negative result in salmonella osteomyelitis associated with sickle cell disease, Guze BH; Hawkins RA; Marcus CS, Clin Nucl Med 1989; **14:** 104

total replacement of the hip for avascular necrosis in sickle cell disease, (ab), Clarke HJ; Jinnah RH; Brooker AF; et al, Radiology 1989; **173:** 886

Silicone

acute silicosis due to inhalation of a domestic product, (ab), Dumontet C; Biron F; Vitrey D; et al, Radiology 1991; **181:** 909

computed tomographic scanning of the thorax in workers at risk of or with silicosis, Bégin R; Ostiguy G; Groleau S; et al, Semin US CT MR 1990; **11:** 380

emphysema in silicosis: a comparison of smokers with nonsmokers using pulmonary function testing and computed tomography, (ab), Kinsella M; Müller NL; Vedal S; et al, Radiology 1991; **178:** 291

endovascular treatment of intracranial aneurysms with a new silicone microballoon device: technical considerations and indications for therapy, Higashida RT; Halbach VV; Dormandy B; Bell JD; Hieshima GB, Radiology 1990; **174:** 687

silicone lymphadenopathy associated with augmentation mammaplasty: morphologic features of nine cases, (ab), Truong LD; Cartwright J Jr; Goodman MD; et al, Radiology 1989; **170:** 296

Single-photon emission tomography
See Emission CT
Sinuses, cavernous
See Cavernous sinus
Sinuses, dural
computerized tomography in dural sinus thrombosis, Yee CW; Ping TK, Australas Radiol 1990; **34:** 24
demonstration of dural sinus occlusion by the use of MR angiography, Rippe DJ; Boyko OB; Spritzer CE; et al, AJNR 1990; **11:** 199
dural arteriovenous fistulas: evaluation with MR imaging, De Marco JK; Dillon WP; Halbach VV; Tsuruda JS, Radiology 1990; **175:** 193
dural sinus air without head trauma or surgery: CT demonstration, Canavan L; Osborn RE, JCAT 1991; **15:** 526
dural sinus occlusion: evaluation with phase-sensitive gradient-echo MR imaging, Tsuruda JS; Shimakawa A; Pelc NJ; et al, AJNR 1991; **12:** 481
dural sinus occlusion: evaluation with phase-sensitive gradient-echo MR imaging, Tsuruda JS; Shimakawa A; Pelc NJ; et al, AJR 1991; **157:** 139
dural sinus thrombosis: diagnosis and follow-up by magnetic resonance angiography and imaging, Padayachee TS; Bingham JB; Graves MJ; et al, Neuroradiol 1991; **33:** 165
gadolinium-DTPA enhanced MR imaging of septic dural sinus thrombosis, Harris TM; Smith RR; Koch KJ, JCAT 1989; **13:** 682
MR diagnosis of dural venous sinus thrombosis complicating L-asparaginase therapy, Schick RM; Jolesz F; Barnes PD; et al, Comput Med Imag Graph 1989; **13:** 319
MRI assessment of unsuspected dural sinus thrombosis, Hulcelle PJ; Dooms GC; Mathurin P; et al, Neuroradiol 1989; **31:** 217
neonatal dural venous sinus thrombosis associated with central venous catheterization: CT and MR studies, Hurst RW; Kerns SR; McIlhenny J; et al, JCAT 1989; **13:** 504
petrosal sinus sampling: discordant lateralization of ACTH-secreting pituitary microadenomas before and after stimulation with corticotropin-releasing hormone, Miller DL; Doppman JL; Nieman LK; Cutler GB Jr; Chrousos G; Loriaux DL; Oldfield EH, Radiology 1990; **176:** 429
petrosal sinus sampling: technique and rationale, Miller DL; Doppman JL, Radiology 1991; **178:** 37
selective catheterization of the inferior petrosal sinuses: new catheter design, Miller DL, Radiology 1991; **178:** 281
venography and venous pressure monitoring in dural sinus meningiomas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1989; **10:** 1209
Sinuses, frontal
See Paranasal sinuses
Sinuses, maxillary
See Paranasal sinuses
Sinuses, paranasal
See Paranasal sinuses
Sinuses, sphenoid
See Paranasal sinuses
Sinuses, superior sagittal
direct thrombolytic therapy for superior sagittal sinus thrombosis, Higashida RT; Helmer E; Halbach VV; et al, AJNR 1989; **10:** S4
gradient recalled echo MR imaging of superior sagittal sinus occlusion, Daniels DL; Czervionke LF; Hendrix LE; et al, Neuroradiol 1989; **31:** 134
high resolution computed tomography of superior sagittal sinus-thrombosis and -abnormalities, Nüssel F; Huber P, Neuroradiol 1989; **31:** 307
physiologic mechanisms underlying the delayed delta sign, Ulmer JL; Elster AD, AJNR 1991; **12:** 647
Sinusitis
abnormal maxillary sinus radiographs in children: do they represent bacterial infection?, (ab), Arruda LK; Mimica IM; Sole D; et al, Radiology 1990; **177:** 600
allergic aspergillosis: a newly recognized form of sinusitis in the pediatric population, (ab), Manning SC; Vuitch F; Weinberg AG; et al, Radiology 1990; **174:** 903
chronically obstructed sinonasal secretions: observations on T1 and T2 shortening, Som PM; Dillon WP; Fullerton GD; Zimmerman RA; Rajagopalan B; Marom Z, Radiology 1989; **172:** 515
comparison of plain radiographs and coronal CT scans in infants and children with recurrent sinusitis, McAlister WH; Lusk R; Muntz HR, AJR 1989; **153:** 1259
diagnosis of infections associated with acrylic cranioplasties, Benzel EC; Thammavaram K; Kesterson L, Neuroradiol 1990; **32:** 151
epidural abscess following frontal sinusitis—demonstration of communication by epidural contrast medium and coronal computerized tomography, Dietrich U; Feldges A; Nau H-E; et al, Comput Med Imag Graph 1989; **13:** 351
hypointense MR signal in chronically inspissated sinonasal secretions, Dillon WP; Som PM; Fullerton GD, Radiology 1990; **174:** 73
hypointense paranasal sinus foci: differential diagnosis with MR imaging and relation to CT findings, Som PM; Dillon WP; Curtin HD; Fullerton GD; Lidov M, Radiology 1990; **176:** 777
imaging of sinusitis in Wegener's granulomatosis, De Geeter F; Van Maele L; Van der Veken P; et al, Clin Nucl Med 1989; **14:** 378
immunologic defects in patients with refractory sinusitis, (ab), Shapiro GG; Virant FS; Furukawa CT; et al, Radiology 1991; **181:** 616
relationship between frontal sinus drainage and osteomeatal complex disease: a CT study in 217 patients, Wallace R; Salazar JE; Cowles S, AJNR 1990; **11:** 183
Sjogren syndrome
See Eye, diseases
Skeleton
See Bones
Skin
osseous drill holes to promote granulation tissue: radiologic appearance, Resnik CS; Goldberg NH; Reiner BI; et al, Skeletal Radiol 1991; **20:** 205
regulation of cutaneous wound healing by growth factors and the microenvironment, Knighton DR; Fiegel VD, Invest Radiol 1991; **26:** 604
Skin, abnormalities
prenatal sonographic diagnosis of harlequin ichthyosis, Mihalko M; Lindfors KK; Grix AW; et al, AJR 1989; **153:** 827
Skin, diseases
cranial MR imaging in hypomelanosis of Ito, Williams DW III; Elster AD, JCAT 1990; **14:** 981
neurocutaneous melanosis and temporal lobe tumor in a child: MR study, Sebag G; Dubois J; Pfister P; et al, AJNR 1991; **12:** 699
osteolytic lesions and bacillary angiomatosis in HIV infection: radiologic differentiation from AIDS-related Kaposi sarcoma, Baron AL; Steinbach LS; LeBoit PE; Mills CM; Gee JH; Berger TG, Radiology 1990; **177:** 77
Skin, effects of irradiation on
cell kinetic changes in the follicular epithelium of pig skin after irradiation with single and fractionated doses of X rays, Morris GM; Hopewell JW, Br J Radiol 1989; **62:** 41
effect of Captopril on benign and malignant reactions in irradiated rat skin, Ward WF; Molteni A; Ts'ao C; et al, Br J Radiol 1990; **63:** 349
effect of chamomile cream and almond ointment on acute radiation skin reaction, Maiche AG; Gröhn P; Mäki-Hokkonen H, Acta Oncol 1991; **30:** 395
effects of single doses of X rays on the mechanical properties of pig skin *in vivo*, Baker MR; Bader D; Hopewell JW, Br J Radiol 1989; **62:** 830
erythema multiforme in a patient receiving radiation therapy—a case report, Svensson C, Acta Oncol 1991; **30:** 396
fraction size-dependent acute skin reaction of mice after multiple twice-a-day doses, Abe Y; Urano M, Int J Radiat Oncol Biol Phys 1990; **18:** 359
lack of late skin necrosis in man after high-dose irradiation using small field sizes: experiences of grid therapy, Shirato H; Gupta NK; Jordan TJ; et al, Br J Radiol 1990; **63:** 871
mortality in a cohort of radiation treated childhood skin hemangiomas, Fürst CJ; Silfverswärd C; Holm L-E, Acta Oncol 1989; **28:** 789
pityriasis versicolor confined to the radiation therapy field, Conill C; Azón-Masoliver A; Verger E; et al, Acta Oncol 1990; **29:** 949
radiation effect in mouse skin: dose fractionation and wound healing, Gorodetsky R; Mou X; Fisher DR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1077
source-skin distance measuring bridge: a method to avoid radiation teleangiectasia in the skin after interstitial therapy for breast cancer, Van Limbergen E; Briot E; Drijkoningen M, Int J Radiat Oncol Biol Phys 1990; **18:** 1239
Skin, inflammation
See Dermatitis
Skin, MR
dermal grafts of the temporomandibular joint: postoperative appearance on MR images, Lieberman JM; Bradrick JP; Indresano AT; Smith AS; Bellon EM, Radiology 1990; **176:** 199
in vivo high-resolution MR imaging of the skin in a whole-body system at 1.5 T, Bittoun J; Saint-Jalmes H; Querleux BG; Darrasse L; Jolivet O; Idy-Peretti I; Wartski M; Richard SB; Leveque J-L, Radiology 1990; **176:** 457
MRI evaluation of pigmented skin tumors: preliminary study, Schwaighofer BW; Fruehwald FXJ; Pohl-Markl H; et al, Invest Radiol 1989; **24:** 289
slotted crossover surface coil: a detector for *in vivo* NMR of skin, Nagel TL; Alderman DW; Schoenborn RR; et al, Magn Res Med 1990; **16:** 252
Skin, neoplasms
association of sebaceous gland tumors and internal malignancy: the Muir-Torre syndrome, (ab), Cohen PR; Kohn SR; Kurzrock R, Radiology 1991; **181:** 616
essential role of radiation therapy in securing locoregional control of Merkel cell carcinoma, Morrison WH; Peters LJ; Silva EG; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 583
external irradiation of epithelial skin cancer, Lovett RD; Perez CA; Shapiro SJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 235
lesions that manifest as medial cheek and nasolabial fold masses, Som PM; Norton KI, Radiology 1991; **178:** 831
management approach to incompletely excised basal cell carcinomas of skin, Liu F-F; Maki E; Warde P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 423
MRI evaluation of pigmented skin tumors: preliminary study, Schwaighofer BW; Fruehwald FXJ; Pohl-Markl H; et al, Invest Radiol 1989; **24:** 289
primary cutaneous neuroendocrine (Merkel cell or trabecular carcinoma) tumour of the skin: a radioresponsive tumour, Ashby MA; Jones DH; Tasker AD; et al, Clin Radiol 1989; **40:** 85
radiation therapy of keratoacanthomas: results in 55 patients, Caccialanza M; Sopelana N, Int J Radiat Oncol Biol Phys 1989; **16:** 475
skin cancer recognition by computer vision, Moss RH; Stoecker WV; Lin S-J; et al, Comput Med Imag Graph 1989; **13:** 31
ultrasonography of nodular and infiltrative lesions of the skin and subcutaneous tissues, Nessi R; Betti R; Bencini PL; et al, JCU 1990; **18:** 103
use of a radon mould technique for skin cancer: results from the Peter MacCallum Cancer Institute (1975–1984), Ashby MA; Pacella JA; de Groot R; et al, Br J Radiol 1989; **62:** 608
visualization of squamous cell carcinoma of the skin with I-123 iodoamphetamine, Kubo K; Itho K; Nakada K; et al, Clin Nucl Med 1989; **14:** 138
Skin, radionuclide studies
Ga-67 uptake in granulomatous slack skin, Verlooy H; Marien K; Vanneste L; et al, Clin Nucl Med 1991; **16:** 131
visualization of squamous cell carcinoma of the skin with I-123 iodoamphetamine, Kubo K; Itho K; Nakada K; et al, Clin Nucl Med 1989; **14:** 138

Skin, therapeutic radiology

combined total body x-ray irradiation and total skin electron beam radiotherapy with an improved technique for mycosis fungoides, Halberg FE; Fu KK; Weaver KA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 427

development of total-skin electron therapy at two energies, Cox RS; Heck RJ; Fessenden P; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 659

essential role of radiation therapy in securing locoregional control of Merkel cell carcinoma, Morrison WH; Peters LJ; Silva EG; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 583

external irradiation of epithelial skin cancer, Lovett RD; Perez CA; Shapiro SJ; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 235

management approach to incompletely excised basal cell carcinomas of skin, Liu F-F; Maki E; Warde P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 423

radiation therapy of early stage cutaneous T-cell lymphoma, Micaily B; Moser C; Vonderheid EC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1333

radiation therapy of keratoacanthomas: results in 55 patients, Caccialanza M; Sopelana N, Int J Radiat Oncol Biol Phys 1989; **16:** 475

radium treatment for hemangioma in early childhood: reconstruction and dosimetry of treatments, 1920–1959, Lundell M; Fürst CJ; Hedlund B; et al, Acta Oncol 1990; **29:** 551

role of kilovoltage irradiation in the treatment of keloids, Doornbos JF; Stoffel TJ; Hass AC; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 833

technique for total skin electron irradiation using six large flattened electron beams: implementation on linear accelerators having different modes of electron beam production, El-Khatib EG; Rymel J; Al-Mokhlef J, Br J Radiol 1989; **62:** 744

total skin electron arc irradiation using a reclined patient position, Gerbi BJ; Khan FM; Deibel FC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 397

tumors after radiotherapy for skin hemangioma in childhood: a case–control study, Fürst CJ; Lundell M; Holm L-E, Acta Oncol 1990; **29:** 557

use of a radon mould technique for skin cancer: results from the Peter MacCallum Cancer Institute (1975–1984), Ashby MA; Pacella JA; de Groot R; et al, Br J Radiol 1989; **62:** 608

Skin, US

changes in human skin blood flow by hyperthermia, Song CW; Chelstrom LM; Haumschild DJ, Int J Radiat Oncol Biol Phys 1990; **18:** 903

human skin histology using high-resolution echography, Murakami S; Miki Y, JCU 1989; **17:** 77

ultrasonography of nodular and infiltrative lesions of the skin and subcutaneous tissues, Nessi R; Betti R; Bencini PL; et al, JCU 1990; **18:** 103

Skull

See also Head

case of the season, Babu ML, Semin Roentgenol 1991; **26:** 3

Skull, abnormalities

acrania: anencephaly resulting from secondary degeneration of a closed neural tube: two cases in the same family, Bronshtein M; Ornoy A, JCU 1991; **19:** 230

basilar impression and osteogenesis imperfecta in a three-year-old girl: CT and MRI, Rush PJ; Berbrayer D; Reilly BJ, Pediatr Radiol 1989; **19:** 142

craniosynostosis (1, 2) in the Talmud (3), Shapiro R, Radiology 1989; **172:** 230

craniosynostosis: diagnostic value of three-dimensional CT reconstruction, Vannier MW; Hildebolt CF; Marsh JL; Pilgram TK; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 669

craniosynostosis: image quality, confidence, and correctness in diagnosis, Pilgram TK; Vannier MW; Hildebolt CF; Marsh JL; McAlister WH; Shackelford GD; Offutt CJ; Knapp RH, Radiology 1989; **173:** 675

CT and MR imaging of the central skull base: part 2. pathologic spectrum, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 797

lacunarlike skull in neurofibromatosis, Barnowsky L; Dalal R, AJNR 1990; **11:** 1253

"lamellated" skull in β-thalassaemia, Orzincolo C; Castaldi G; Scutellari PN; et al, Skeletal Radiol 1989; **18:** 373

radiographic manifestations of congenital anomalies of the skull, Kaplan SB; Kemp SS; Oh KS, Radiol Clin North Am 1991; **29:** 195

three dimensional reconstruction in coronal synostosis: pre and post operative appearances, Cremin BJ; Zeeman BJ, Pediatr Radiol 1989; **19:** 313

transalar sphenoidal encephaloceles: clinical and radiologic findings, Elster AD; Branch CL Jr, Radiology 1989; **170:** 245

Skull, anatomy

calvarial and skull base metastases: comparison of nonenhanced and Gd-DTPA–enhanced MR images, West MS; Russell EJ; Breit R; Sze G; Kim KS, Radiology 1990; **174:** 85

CT and MR imaging of the central skull base. part 1: techniques, embryologic development, and anatomy, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 591

multiplanar reconstructions in the study of ethmoid anatomy, Masala W; Perugini S; Salvolini U; et al, Neuroradiol 1989; **31:** 151

Skull, CT

basilar impression and osteogenesis imperfecta in a three-year-old girl: CT and MRI, Rush PJ; Berbrayer D; Reilly BJ, Pediatr Radiol 1989; **19:** 142

can computed tomography be relied upon to detect skull fractures?, Macpherson P; Teasdale E, Clin Radiol 1989; **40:** 22

CT and MR imaging of the central skull base. part 1: techniques, embryologic development, and anatomy, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 591

CT and MR imaging of the central skull base: part 2. pathologic spectrum, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 797

foramen ovale: MR and CT correlation, Merenich WM; Swartz JD; Yussen PS; et al, Clin Imag 1991; **15:** 20

intracranial osteochondroma: MR and CT appearance, Beck DW; Dyste GN, AJNR 1989; **10:** S7

lesions of skull base observed on high resolution computed tomography: a comparison with magnetic resonance imaging, Volle E; Treisch J; Claussen C; et al, Acta Radiol 1989; **30:** 129

mucocele of the anterior clinoid process: CT and MR findings, Schwaighofer BW; Sobel DF; Klein MV; et al, JCAT 1989; **13:** 501

simulated aggressive skull base erosion in response to benign sinonasal disease, Som PM; Lawson W; Lidov MW, Radiology 1991; **180:** 755

skull radiography in the evaluation of acute head trauma: a survey of current practice, Hackney DB, Radiology 1991; **181:** 711

Skull, diseases

fibrous dysplasia of the skull: disease activity in relation to age, Davies ML; Macpherson P, Br J Radiol 1991; **64:** 576

malignant external otitis: utility of CT in diagnosis and follow-up, Rubin J; Curtin HD; Yu VL; Kamerer DB, Radiology 1990; **174:** 391

simulated aggressive skull base erosion in response to benign sinonasal disease, Som PM; Lawson W; Lidov MW, Radiology 1991; **180:** 755

Skull, fractures

air in the temporomandibular joint fossa: CT sign of temporal bone fracture, Betz BW; Wiener MD, Radiology 1991; **180:** 463

can computed tomography be relied upon to detect skull fractures?, Macpherson P; Teasdale E, Clin Radiol 1989; **40:** 22

cranio-cerebral erosion (growing skull fracture) causing anisometropia, Whitehouse RW; Leatherbarrow B, Br J Radiol 1990; **63:** 728

growing skull fracture simulating a rounded lytic calvarial lesion, Numerow LM; Krcek JP; Wallace CJ; et al, AJNR 1991; **12:** 783

imaging evaluation of children after falls from a height: review of 45 cases, Roshkow JE; Haller JO; Hotson GC; Sclafani SJA; Mezzacappa PM; Rachlin S, Radiology 1990; **175:** 359

skull radiography in the evaluation of acute head trauma: a survey of current practice, Hackney DB, Radiology 1991; **181:** 711

sphenoid fractures: prevalence, sites, and significance, Unger JM; Gentry LR; Grossman JE, Radiology 1990; **175:** 175

Skull, growth and development

cranial bone marrow in children: assessment of normal development with MR imaging, Okada Y; Aoki S; Barkovich AJ; Nishimura K; Norman D; Kjos BO; Brasch RC, Radiology 1989; **171:** 161

craniosynostosis (1, 2) in the Talmud (3), Shapiro R, Radiology 1989; **172:** 230

CT and MR imaging of the central skull base. part 1: techniques, embryologic development, and anatomy, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 591

Skull, injuries

CT and MR imaging of the central skull base: part 2. pathologic spectrum, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 797

Skull, MR

basilar impression and osteogenesis imperfecta in a three-year-old girl: CT and MRI, Rush PJ; Berbrayer D; Reilly BJ, Pediatr Radiol 1989; **19:** 142

benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763

calvarial and skull base metastases: comparison of nonenhanced and Gd-DTPA–enhanced MR images, West MS; Russell EJ; Breit R; Sze G; Kim KS, Radiology 1990; **174:** 85

cranial bone marrow in children: assessment of normal development with MR imaging, Okada Y; Aoki S; Barkovich AJ; Nishimura K; Norman D; Kjos BO; Brasch RC, Radiology 1989; **171:** 161

cranial osteopetrosis: MR findings, Demirci A; Sze G, AJNR 1991; **12:** 781

CT and MR imaging of the central skull base. part 1: techniques, embryologic development, and anatomy, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 591

CT and MR imaging of the central skull base: part 2. pathologic spectrum, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 797

foramen ovale: MR and CT correlation, Merenich WM; Swartz JD; Yussen PS; et al, Clin Imag 1991; **15:** 20

intracranial osteochondroma: MR and CT appearance, Beck DW; Dyste GN, AJNR 1989; **10:** S7

lesions of skull base observed on high resolution computed tomography: a comparison with magnetic resonance imaging, Volle E; Treisch J; Claussen C; et al, Acta Radiol 1989; **30:** 129

magnetic resonance imaging of the skull base, Robertson WD, J Canad Assoc Radiol 1991; **42:** 210

MR imaging of the normal and abnormal clivus, Kimura F; Kim KS; Friedman H; et al, AJNR 1990; **11:** 1015

MR imaging of the normal and abnormal clivus, Kimura F; Kim KS; Friedman H; et al, AJR 1990; **155:** 1285

mucocele of the anterior clinoid process: CT and MR findings, Schwaighofer BW; Sobel DF; Klein MV; et al, JCAT 1989; **13:** 501

simulated aggressive skull base erosion in response to benign sinonasal disease, Som PM; Lawson W; Lidov MW, Radiology 1991; **180:** 755

transalar sphenoidal encephaloceles: clinical and radiologic findings, Elster AD; Branch CL Jr, Radiology 1989; **170:** 245

Skull, primary neoplasms

case report 586, Harman SA; Pribram H, Skeletal Radiol 1990; **19:** 212

case report 601, Akai M; Ohno T; Sugano I; et al, Skeletal Radiol 1990; **19:** 154

case report 680, Van Tassel P; Lee Y-Y; Ayala A; et al, Skeletal Radiol 1991; **20:** 383

craniofacial chondrosarcomas: imaging findings in 15 untreated cases, Lee Y-Y; Van Tassel P, AJNR 1989; **10:** 165

CT and MR imaging of the central skull base: part 2. pathologic spectrum, Laine FJ; Nadel L; Braun IF, Radiographics 1990; **10:** 797

extradural epidermoid tumor of the frontal bone, Demaerel P; Wilms G; Lammens M; et al, Neuroradiol 1991; **33:** 349

intracranial osteochondroma: MR and CT appearance, Beck DW; Dyste GN, AJNR 1989; **10:** S7

lesions of skull base observed on high resolution computed tomography: a comparison with magnetic resonance imaging, Volle E; Treisch J; Claussen C; et al, Acta Radiol 1989; **30:** 129

lockjaw secondary to skull base osteochondroma: CT findings, Castillo M; Hudgins PA; Hoffman JC Jr, JCAT 1989; **13:** 338

magnetic resonance imaging of the skull base, Robertson WD, J Canad Assoc Radiol 1991; **42:** 210

mucocele of the anterior clinoid process: CT and MR findings, Schwaighofer BW; Sobel DF; Klein MV; et al, JCAT 1989; **13:** 501

parosteal osteogenic sarcoma arising in cranial bones: clinical and radiologic features in eight patients, Kumar R; Moser RP Jr; Madewell JE; et al, AJR 1990; **155:** 113

primary myxoma of the cranium: CT findings, Ng S-H; Tang L-M; Wai Y-Y; et al, JCAT 1989; **13:** 903

Skull, radiography

application of clinical guidelines for skull radiography in the accident and emergency department: theory and practice, Clarke JA; Adams JE, Clin Radiol 1990; **41:** 152

skull radiography in the evaluation of acute head trauma: a survey of current practice, Hackney DB, Radiology 1991; **181:** 711

testing a policy for skull radiography (and admission) following mild head injury, de Lacey G; McCabe M; Constant O; et al, Br J Radiol 1990; **63:** 14

Skull, radionuclide studies

meningioma extending through the skull: a palpable lesion with a scintigraphic doughnut sign, Wegener WA; Williams HT, Clin Nucl Med 1990; **15:** 441

Paget's disease of the skull: serendipity on gallium scintigraphy, Palestro CJ; Vega A; Kim CK; et al, Clin Nucl Med 1990; **15:** 574

Skull, secondary neoplasms

benign and malignant sinonasal lesions with intracranial extension: differentiation with MR imaging, Som PM; Dillon WP; Sze G; Lidov M; Biller HF; Lawson W, Radiology 1989; **172:** 763

bone imaging of hyoid bone metastasis, Jacobsson H; Bergstedt HF, Clin Nucl Med 1989; **14:** 136

calvarial and skull base metastases: comparison of nonenhanced and Gd-DTPA–enhanced MR images, West MS; Russell EJ; Breit R; Sze G; Kim KS, Radiology 1990; **174:** 85

magnetic resonance imaging of the skull base, Robertson WD, J Canad Assoc Radiol 1991; **42:** 210

Skull, surgery

diagnosis of infections associated with acrylic cranioplasties, Benzel EC; Thammavaram K; Kesterson L, Neuroradiol 1990; **32:** 151

Skull, US

transperineal US: alternative technique to improve visualization of the presenting fetal part, Weber TM; Hertzberg BS; Bowie JD, Radiology 1991; **179:** 747

Sleep studies

obstructive sleep apnea: diagnosis with ultrafast CT, Galvin JR; Rooholamini SA; Stanford W, Radiology 1989; **171:** 775

Slides

semiautomated slide identification by using a personal computer and printer, Feuerstein IM, AJR 1989; **152:** 861

use of a microcomputer to make rapid and inexpensive lecture slides, Chew FS, AJR 1989; **152:** 185

Small intestine

See Intestines

Society for Magnetic Resonance Imaging

editor's page: MR imaging inroads in the People's Republic of China, Fullerton GD, JMRI 1991; **1:** 273

editor's page: why a new journal?, Fullerton GD; Hendrick RE, JMRI 1991; **1:** 5

Ninth Annual Meeting of the Society for Magnetic Resonance Imaging: scientific program, Wehrli FW; Maravilla KR, JMRI 1991; **1:** 133

SMRI 1991: annual meeting overview, Price RR; Partain CL, JMRI 1991; **1:** 135

Society of Cardiovascular and Interventional Radiology

1989 SCVIR meeting abstracts, Radiology Radiology 1989; **170:** 1101

1990 SCVIR meeting abstracts, Radiology Radiology 1990; **174:** 1061

1991 meeting abstracts, JVIR JVIR 1991; **2:** 5

chronological history of the Society of Cardiovascular and Interventional Radiology from 1973 to 1989, Crummy AB, Radiology 1990; **174:** 932

editor's page, Becker GJ, JVIR 1991; **2:** 57

editor's page, Becker GJ, Radiology 1990; **174:** 950

monitoring and evaluating the quality and appropriateness of angiographic/interventional radiologic procedures, Cascade PN; Kastan DJ, Radiology 1990; **174:** 926

SCVIR 1991 annual meeting notes, JVIR JVIR 1991; **2:** 175

Sodium

See Magnetic resonance (MR), sodium studies

Soft tissues

See also names of soft tissues, such as Breast

composition of body tissues: (II) fetus to young adult, White DR; Widdowson EM; Woodard HQ; et al, Br J Radiol 1991; **64:** 149

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

Hickman nodule: a mimic of metastatic disease, Fernandez GG; Coblentz CL; Cooper C; Sallee DS, Radiology 1989; **171:** 401

Soft tissues, abnormalities

case report 581, Kaveggia L; Afshani E; Gole D; et al, Skeletal Radiol 1989; **18:** 610

soft-tissue venous malformations in children: percutaneous sclerotherapy with Ethibloc, Dubois JM; Sebag GH; De Prost Y; Teillac D; Chretien B; Brunelle FO, Radiology 1991; **180:** 195

Soft tissues, calcification

case report 620, Walden CA; Gilbert P; Rogers LF; et al, Skeletal Radiol 1990; **19:** 377

cervical paraspinal calcification in collagen vascular diseases, Schweitzer ME; Cervilla V; Manaster BJ; et al, AJR 1991; **157:** 523

diffuse idiopathic skeletal hyperostosis: diagnostic significance of radiographic abnormalities of the pelvis, Haller J; Resnick D; Miller CW; Schils JP; Kerr R; Bielecki D; Sartoris DJ; Gundry CR, Radiology 1989; **172:** 835

imaging of tumoral calcinosis: new observations, Martinez S; Vogler JB III; Harrelson JM; Lyles KW, Radiology 1990; **174:** 215

osteosclerosis of the phalanges in Werner syndrome, Goto M; Kindynis P; Resnick D; Sartoris DJ, Radiology 1989; **172:** 841

periarticular soft tissue calcification and ossification in the septic joint, Arnold S; Sty JR; Starshak RJ, Pediatr Radiol 1989; **19:** 433

pseudomalignant, nonneoplastic osseous soft-tissue tumors of the hand and foot, Schütte HE; van der Heul RO, Radiology 1990; **176:** 149

tumoral calcinosis-like lesion of the proximal linea aspera, Seeger LL; Butler DL; Eckardt JJ; et al, Skeletal Radiol 1990; **19:** 579

Soft tissues, fibroma

imaging of intra- and extraabdominal desmoid tumors, Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G, Radiographics 1991; **11:** 959

iodine-131 metaiodobenzylguanidine uptake in infantile myofibromatosis, Stewart RE; Grossman DM; Shulkin BL; et al, Clin Nucl Med 1989; **14:** 344

magnetic resonance appearance of fibromatosis: a report of 14 cases and review of the literature, Kransdorf MJ; Jelinek JS; Moser RP Jr; et al, Skeletal Radiol 1990; **19:** 495

magnetic resonance imaging of musculoaponeurotic fibromatosis, Hawnaur JM; Jenkins JPR; Isherwood I, Skeletal Radiol 1990; **19:** 509

MR imaging in fibromatosis: results in 26 patients with pathologic correlation, Quinn SF; Erickson SJ; Dee PM; et al, AJR 1991; **156:** 539

Soft tissues, infection

chronic complicated osteomyelitis of the lower extremity: evaluation with MR imaging, Mason MD; Zlatkin MB; Esterhai JL; Dalinka MK; Velchik MG; Kressel HY, Radiology 1989; **173:** 355

detection of soft-tissue and skeletal infections with ultra low-field (0.02 T) MR imaging, Hovi I; Hekali P; Korhola O; et al, Acta Radiol 1989; **30:** 495

mycetoma: comparison of MR imaging with CT, Sharif HS; Clark DC; Aabed MY; Aideyan OA; Mattsson TA; Haddad MC; Ohman SO; Joshi RK; Hasan HA; Haleem A, Radiology 1991; **178:** 865

Soft tissues, inflammation

See Cellulitis

Soft tissues, injuries

evaluation of soft tissue injury by Tc-99m bone agent scintigraphy, Delpassand ES; Dhekne RD; Barron BJ; et al, Clin Nucl Med 1991; **16:** 309

frostbite injury: prediction of tissue viability with triple-phase bone scanning, Mehta RC; Wilson MA, Radiology 1989; **170:** 511

type III dens fracture and its associated soft-tissue injuries: a different form of hangman's fracture, Renwick IGH, Br J Radiol 1990; **63:** 495

ultrasonography of post-traumatic soft-tissue lesions, Kaplan PA; Anderson JC; Norris MA; et al, Radiol Clin North Am 1989; **27:** 973

Soft tissues, MR

chronic complicated osteomyelitis of the lower extremity: evaluation with MR imaging, Mason MD; Zlatkin MB; Esterhai JL; Dalinka MK; Velchik MG; Kressel HY, Radiology 1989; **173:** 355

combined MR imaging and spectroscopy of bone and soft tissue tumors, Zlatkin MB; Lenkinski RE; Shinkwin M; et al, JCAT 1990; **14:** 1

detection of soft-tissue and skeletal infections with ultra low-field (0.02 T) MR imaging, Hovi I; Hekali P; Korhola O; et al, Acta Radiol 1989; **30:** 495

gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging, Herrlin K; Ling LB; Pettersson H; et al, Acta Radiol 1990; **31:** 233

hemorrhage simulating tumor growth in malignant fibrous histiocytoma at MR imaging, Panicek DM; Casper ES; Brennan MF; Hajdu SI; Heelan RT, Radiology 1991; **181:** 398

low field (0.02 T) magnetic resonance imaging of bone and soft tissue tumors, Ekelund L; Toolanen G, Skeletal Radiol 1989; **18:** 585

magnetic resonance appearance of fibromatosis: a report of 14 cases and review of the literature, Kransdorf MJ; Jelinek JS; Moser RP Jr; et al, Skeletal Radiol 1990; **19:** 495

magnetic resonance grid analysis of soft tissue lesions, Rubin SJ; Feldman F; Haber MM; et al, Invest Radiol 1991; **26:** 474

magnetic resonance imaging of musculoaponeurotic fibromatosis, Hawnaur JM; Jenkins JPR; Isherwood I, Skeletal Radiol 1990; **19:** 509

magnetic resonance imaging of para-articular and ectopic ganglia, Feldman F; Singson RD; Staron RB, Skeletal Radiol 1989; **18:** 353

magnetic resonance imaging of peripheral soft tissue hemangiomas, Nelson MC; Stull MA; Teitelbaum GP; et al, Skeletal Radiol 1990; **19:** 477

MR appearance of bilateral periscapular elastofibromas, Gould ES; Javors BR; Morrison J; et al, JCAT 1989; **13:** 701

MR imaging in fibromatosis: results in 26 patients with pathologic correlation, Quinn SF; Erickson SJ; Dee PM; et al, AJR 1991; **156:** 539

MR imaging of spindle cell hemangioendothelioma, Steinbach LS; Ominsky SH; Shpall S; et al, JCAT 1991; **15:** 155

MR imaging of synovial sarcoma, Morton MJ; Berquist TH; McLeod RA; et al, AJR 1991; **156:** 337

MR imaging of tumor and tumorlike lesions of bone and soft tissue, Sundaram M; McLeod RA, AJR 1990; **155:** 817

MR of soft tissue chloroma in a patient presenting with left pubic and hip pain, Turner RM; Peck WW; Prietto C, JCAT 1991; **15:** 700

muscle edema in musculoskeletal tumors: MR imaging characteristics and clinical significance, Hanna SL; Fletcher BD; Parham DM; Bugg MF, JMRI 1991; **1:** 441

musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Fletcher BD; Hanna SL, Radiology 1990; **177:** 287

musculoskeletal neoplasms: dynamic Gd-DTPA–enhanced MR imaging: reply, Erlemann R, Radiology 1990; **177:** 288

musculoskeletal neoplasms: static and dynamic Gd-DTPA–enhanced MR imaging, Erlemann R; Reiser MF; Peters PE; Vasallo P; Nommensen B; Kusnierz-Glaz CR; Ritter J; Roessner A, Radiology 1989; **171:** 767

mycetoma: comparison of MR imaging with CT, Sharif HS; Clark DC; Aabed MY; Aideyan OA; Mattsson TA; Haddad MC; Ohman SO; Joshi RK; Hasan HA; Haleem A, Radiology 1991; **178:** 865

soft-tissue masses: diagnosis using MR imaging, Kransdorf MJ; Jelinek JS; Moser RP Jr; et al, AJR 1989; **153:** 541

soft-tissue sarcoma: MR imaging vs sonography for detection of local recurrence after surgery, Choi H; Varma DGK; Fornage BD; et al, AJR 1991; **157:** 353

use of magnetic resonance imaging in the evaluation of bone and soft-tissue tumors, Dalinka MK; Zlatkin MB; Chao P; et al, Radiol Clin North Am 1990; **28:** 461

value of MR imaging in differentiating benign from malignant soft-tissue masses: study of 95 lesions, Berquist TH; Ehman RL; King BF; et al, AJR 1990; **155:** 1251

Soft tissues, neoplasms

67-year-old man with a 1½ year history of progressive left supraclavicular mass, Tanabe J; Govoni AF; Zirn JR, Clin Imag 1991; **15:** 135

aggressive angiomyxoma of pelvic soft tissue: CT appearance, Llauger J; Pérez C; Coscojuela P; et al, Urol Radiol 1990; **12:** 25

blood flow of human soft tissue sarcomas measured by thallium-201 scanning: prediction of tumor response to radiation, Nishizawa K; Okunieff P; Elmaleh D; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 593

bone and soft-tissue lesions: diagnosis with combined H-1 MR imaging and P-31 MR spectroscopy, Negendank WG; Crowley MG; Ryan JR; Keller NA; Evelhoch JL, Radiology 1989; **173:** 181

case report 565, Present D; Bertoni F; Laus M; et al, Skeletal Radiol 1989; **18:** 471

case report 583, Ghiatas AA; Armstrong S; Tio FO, Skeletal Radiol 1989; **18:** 619

combined MR imaging and spectroscopy of bone and soft tissue tumors, Zlatkin MB; Lenkinski RE; Shinkwin M; et al, JCAT 1990; **14:** 1

comparison of STIR and spin-echo MR imaging at 1.5 T in 45 suspected extremity tumors: lesion conspicuity and extent, Shuman WP; Patten RM; Baron RL; Liddell RM; Conrad EU; Richardson ML, Radiology 1991; **179:** 247

deep-seated soft tissue leiomyomas: report of four patients, Herrlin K; Willén H; Rydholm A, Skeletal Radiol 1990; **19:** 363

deep soft tissue mass of the thigh, Traughber PD; Murray WT; Johnson FG, Invest Radiol 1991; **26:** 92

dermatofibrosarcoma protuberans treated with radiation therapy, Marks LB; Suit HD; Rosenberg AE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 379

detection of local recurrent disease in musculoskeletal tumors: magnetic resonance imaging versus computed tomography, Reuther G; Mutschler W, Skeletal Radiol 1990; **19:** 85

dynamic pion irradiation of unresectable soft tissue sarcomas, Greiner RH; Blattmann HJ; Thum P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1077

effects of angiotensin II on Doppler signals from a soft-tissue tumour, Taylor PM; Moreman B; Rimmer S; et al, Br J Radiol 1989; **62:** 331

fluid-fluid level: a nonspecific finding in tumors of bone and soft tissue, Tsai JC; Dalinka MK; Fallon MD; Zlatkin MB; Kressel HY, Radiology 1990; **175:** 779

gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging, Herrlin K; Ling LB; Pettersson H; et al, Acta Radiol 1990; **31:** 233

germ cell neoplasms of head and neck soft tissues: a pathologic spectrum of teratomatous and endodermal sinus tumors, (ab), Dehner LP; Mills A; Talerman A; et al, Radiology 1990; **177:** 295

hemorrhage simulating tumor growth in malignant fibrous histiocytoma at MR imaging, Panicek DM; Casper ES; Brennan MF; Hajdu SI; Heelan RT, Radiology 1991; **181:** 398

imaging of soft-tissue sarcomas with indium-111-labeled monoclonal antimyosin Fab fragments, Kairemo KJA; Wiklund TA; Liewendahl K; et al, J Nucl Med 1990; **31:** 23

limb salvage in soft tissue sarcomas involving neurovascular structures using combined surgical resection and brachytherapy, Zelefsky MJ; Nori D; Shiu MH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 913

local recurrence of soft tissue sarcoma following brachytherapy, Gemer LS; Trowbridge DR; Neff J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 587

local-regional non-rhabdomyosarcomatous soft tissue sarcomas of the head and neck, Fontanesi J; Pratt C; Kun L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 995

low field (0.02 T) magnetic resonance imaging of bone and soft tissue tumors, Ekelund L; Toolanen G, Skeletal Radiol 1989; **18:** 585

low-grade soft tissue sarcomas of the extremities: analysis of risk factors for metastasis, (ab), Donohue JH; Collin C; Friedrich C; et al, Radiology 1989; **170:** 296

magnetic resonance grid analysis of soft tissue lesions, Rubin SJ; Feldman F; Haber MM; et al, Invest Radiol 1991; **26:** 474

magnetic resonance imaging of myxoid containing tumors, Peterson KK; Renfrew DL; Feddersen RM; et al, Skeletal Radiol 1991; **20:** 245

MR and CT appearance of nodular fasciitis, Meyer CA; Kransdorf MJ; Jelinek JS; et al, JCAT 1991; **15:** 276

MR imaging of spindle cell hemangioendothelioma, Steinbach LS; Ominsky SH; Shpall S; et al, JCAT 1991; **15:** 155

MR imaging of synovial sarcoma, Morton MJ; Berquist TH; McLeod RA; et al, AJR 1991; **156:** 337

MR of soft tissue chloroma in a patient presenting with left pubic and hip pain, Turner RM; Peck WW; Prietto C, JCAT 1991; **15:** 700

musculoskeletal neoplasms: dynamic Gd-DTPA-enhanced MR imaging, Fletcher BD; Hanna SL, Radiology 1990; **177:** 287

musculoskeletal neoplasms: dynamic Gd-DTPA–enhanced MR imaging: reply, Erlemann R, Radiology 1990; **177:** 288

musculoskeletal neoplasms: static and dynamic Gd-DTPA–enhanced MR imaging, Erlemann R; Reiser MF; Peters PE; Vasallo P; Nommensen B; Kusnierz-Glaz CR; Ritter J; Roessner A, Radiology 1989; **171:** 767

pediatric musculoskeletal MR imaging, Moore SG; Bisset GS III; Siegel MJ; Donaldson JS, Radiology 1991; **179:** 345

percutaneous transcatheter arterial embolization of bone and soft tissue tumors, Rossi C; Ricci S; Boriani S; et al, Skeletal Radiol 1990; **19:** 555

postoperative radiotherapy in the treatment of extremity soft tissue sarcomas, Pao WJ; Pilepich MV, Int J Radiat Oncol Biol Phys 1990; **19:** 907

preoperative hyperthermia and radiation for soft tissue sarcomas: advantage of two vs one hyperthermia treatments per week, Leopold KA; Harrelson J; Prosnitz L; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 107

preoperative irradiation for soft tissue sarcomas of the trunk and extremities in adults, Brant TA; Parsons JT; Marcus RB Jr; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 899

radiation response in 10 high-grade human soft tissue sarcoma xenografts to photons and fast neutrons, Budach V; Stuschke M; Budach W; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 941

radiological features of extraskeletal Ewing sarcoma, O'Keeffe FN; Lorigan JG; Wallace S, Br J Radiol 1990; **63:** 456

radiologic manifestations of alveolar soft-part sarcoma, Lorigan JG; O'Keeffe FN; Evans HL; et al, AJR 1989; **153:** 335

scintigraphic appearance of uncommon soft-tissue osteogenic sarcoma metastases, Arrington ER; Eisenberg B; Orrison WW Jr; et al, J Nucl Med 1990; **31:** 679

soft-tissue masses: diagnosis using MR imaging, Kransdorf MJ; Jelinek JS; Moser RP Jr; et al, AJR 1989; **153:** 541

soft tissue osteochondroma: a report of three cases, Li C; Arger PH; Dalinka MK, Skeletal Radiol 1989; **18:** 435

soft-tissue sarcoma: MR imaging vs sonography for detection of local recurrence after surgery, Choi H; Varma DGK; Fornage BD; et al, AJR 1991; **157:** 353

soft-tissue sarcomas: detection of metabolic heterogeneity with P-31 MR spectroscopy, Sostman HD; Charles HC; Rockwell S; Leopold K; Beam C; Madwed D; Dewhirst M; Cofer G; Moore D; Burn R; Oleson J, Radiology 1990; **176:** 837

sonographic appearances of superficial soft tissue lipomas, Fornage BD; Tassin GB, JCU 1991; **19:** 215

surgical margin in soft-tissue sarcoma, (ab), Bell RS; O'Sullivan B; Liu FF; et al, Radiology 1989; **173:** 589

three-phase Tc-99m MDP scan findings of a soft tissue sarcoma, Braeuning MP; Park H-M, Clin Nucl Med 1990; **15:** 572

twenty years experience of interstitial iridium brachytherapy in the management of soft tissue sarcomas, Habrand JL; Gerbaulet A; Pejovic MH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 405

use of magnetic resonance imaging in the evaluation of bone and soft-tissue tumors, Dalinka MK; Zlatkin MB; Chao P; et al, Radiol Clin North Am 1990; **28:** 461

value of MR imaging in differentiating benign from malignant soft-tissue masses: study of 95 lesions, Berquist TH; Ehman RL; King BF; et al, AJR 1990; **155:** 1251

Soft tissues, radionuclide studies

bone scintigraphy in the evaluation of extraskeletal injuries from child abuse, Howard JL; Barron BJ; Smith GG, Radiographics 1990; **10:** 67

evaluation of soft tissue injury by Tc-99m bone agent scintigraphy, Delpassand ES; Dhekne RD; Barron BJ; et al, Clin Nucl Med 1991; **16:** 309

intense muscle uptake of Ga-67 citrate and Tc-99m MDP in a patient with aplastic anemia, Batte WG Jr; Yeh SDJ; Rosenblum MK; et al, Clin Nucl Med 1991; **16:** 421

iodine-131 metaiodobenzylguanidine uptake in infantile myofibromatosis, Stewart RE; Grossman DM; Shulkin BL; et al, Clin Nucl Med 1989; **14:** 344

nonosseous accumulation of bone-seeking radiopharmaceuticals, Gentili A; Miron SD; Bellon EM, Radiographics 1990; **10:** 871

scintigraphic appearance of uncommon soft-tissue osteogenic sarcoma metastases, Arrington ER; Eisenberg B; Orrison WW Jr; et al, J Nucl Med 1990; **31:** 679

scintigraphic differentiation of congenital soft-tissue extremity enlargement with Tc-99m DTPA, Mandell GA; Scott CI Jr; Harcke HT; et al, Skeletal Radiol 1989; **18:** 33

three-phase Tc-99m MDP scan findings of a soft tissue sarcoma, Braeuning MP; Park H-M, Clin Nucl Med 1990; **15:** 572

Soft tissues, therapeutic radiology

blood flow of human soft tissue sarcomas measured by thallium-201 scanning: prediction of tumor response to radiation, Nishizawa K; Okunieff P; Elmaleh D; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 593

dermatofibrosarcoma protuberans treated with radiation therapy, Marks LB; Suit HD; Rosenberg AE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 379

dynamic pion irradiation of unresectable soft tissue sarcomas, Greiner RH; Blattmann HJ; Thum P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1077

hemangiopericytoma—the role of radiotherapy, Staples JJ; Robinson RA; Wen B-C; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 445

local recurrence of soft tissue sarcoma following brachytherapy, Gemer LS; Trowbridge DR; Neff J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 587

preoperative hyperthermia and radiation for soft tissue sarcomas: advantage of two vs one hyperthermia treatments per week, Leopold KA; Harrelson J; Prosnitz L; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 107

radiation therapy in Kimura's disease, Itami J; Arimizu N; Miyoshi T; et al, Acta Oncol 1989; **28:** 511

soft-tissue sarcomas: MR imaging and MR spectroscopy for prognosis and therapy monitoring. work in progress, Dewhirst MW; Sostman HD; Leopold KA; Charles HC; Moore D; Burn RA; Tucker JA; Harrelson JM; Oleson JR, Radiology 1990; **174:** 847

twenty years experience of interstitial iridium brachytherapy in the management of soft tissue sarcomas, Habrand JL; Gerbaulet A; Pejovic MH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 405

Soft tissues, US

effects of angiotensin II on Doppler signals from a soft-tissue tumour, Taylor PM; Moreman B; Rimmer S; et al, Br J Radiol 1989; **62:** 331

localization and guided removal of soft-tissue foreign bodies with sonography, Shiels WE II; Babcock DS; Wilson JL; et al, AJR 1990; **155:** 1277

Morton neuroma: sonographic evaluation, Redd RA; Peters VJ; Emery SF; Branch HM; Rifkin MD, Radiology 1989; **171:** 415

parameter estimation for nonlinear frequency dependent attenuation in soft tissue, He P; McGoron A, Ultrasound Med Biol 1989; **15:** 757

sonographic appearances of superficial soft tissue lipomas, Fornage BD; Tassin GB, JCU 1991; **19:** 215

ultrasonic imaging of soft tissues, Wilson DJ, Clin Radiol 1989; **40:** 341

ultrasonographic measurement of the soft-tissue of the upper jaw, Traxler M; Solar P; Ulm C; et al, Acta Radiol 1991; **32:** 3

ultrasonography of post-traumatic soft-tissue lesions, Kaplan PA; Anderson JC; Norris MA; et al, Radiol Clin North Am 1989; **27:** 973

Software reviews

GB-STAT, Reviewed by Norris MA; et al, Radiology 1989; **173:** 722

nuclear medicine procedure manual, Klingensmith WC III, Reviewed by Rezai K, Radiographics 1991; **11:** 848

perspective junior, Reviewed by Cooper J, Radiographics 1990; **10:** 270

RadLine biomedical literature reference, Reviewed by Griffiths HJ, Radiographics 1991; **11:** 1120

Special communications

See also Editorials; Editor's Page; Opinions

books . . . and journals, Palmer PES, Radiology 1991; **181:** 282

Carl J. Zylak, M.D., President, Radiological Society of North America, 1991, Fraser DB, Radiology 1990; **177:** 873

Delmar J. Stauffer, executive director, Radiological Society of North America, Zylak CJ, Radiology 1989; **172:** 876

Editor's Recognition Awards, Siegelman SS, Radiology 1991; **178:** 18

E. Robert Heitzman, MD, President, Radiological Society of North America, 1990, Houser OW, Radiology 1989; **173:** 861

James Picker (1882–1963): lest we forget!, Pendergrass HP, Radiology 1991; **180:** 871

nondisease, Ozonoff MB, Radiology 1990; **174:** 840

note of thanks, Heitzman ER; Siegelman SS, Radiology 1990; **177:** 875

policy statement on grants and awards by the RSNA Research and Education Fund Board of Trustees, Baker HL Jr; Redman HC, Radiology 1990; **176:** 861

Radiological Society of North America 75th scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Campbell RE, Radiology 1989; **172:** 575

Radiological Society of North America 76th scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Heitzman ER, Radiology 1990; **176:** 572

Radiological Society of North America, 77th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, Illinois, Zylak CJ, Radiology 1991; **180:** 567

Robert G. Parker, MD, President, Radiological Society of North America, 1992, Levitt SH, Radiology 1991; **181:** 895

RSNA and ASNR: a decade of collaboration, Zylak CJ; Hasso AN, Radiology 1991; **179:** 578

RSNA Scientific Program revisited, Harwood-Nash DC, Radiology 1990; **174:** 241

RSNA today video, Houser OW; Kricheff II, Radiology 1989; **173:** 268

SCVIR 1991 annual meeting notes, JVIR JVIR 1991; **2:** 175

what is a radiologist? a "day of imaging" can provide much needed public information, Redman HC, Radiology 1989; **172:** 877

William J. Tuddenham, MD, Editor, *RadioGraphics*, 1981–1989, Campbell RE, Radiology 1989; **173:** 559

William W. Olmsted, MD, new editor, *RadioGraphics*, Houser OW, Radiology 1989; **172:** 875

Special reports

collaborative evaluations of diagnostic tests: experience of the Radiology Diagnostic Oncology Group, Gatsonis C; McNeil BJ, Radiology 1990; **175:** 571

current status of MR imaging contrast agents: special report, Wolf GL, Radiology 1989; **172:** 709

diagnostic radiology around the world, Mettler FA; Haygood TM; Meholic AJ, Radiology 1990; **175:** 577

diagnostic radiology in Kuwait after the Iraqi occupation, Gray JE, Radiology 1991; **180:** 277

do radiologists control imaging studies? survey results from 198 academic institutions, Levin DC; Matteucci T, Radiology 1989; **170:** 879

fifth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, Radiology 1989; **172:** 277

influences affecting radiologists' choices of academic or private practice careers, Hillman BJ; Fajardo LL; Witzke DB; Cardenas D; Irion M; Fulginiti JV, Radiology 1990; **174:** 561

radiology centennial 1995, Tampas JP, Radiology 1991; **179:** 339

research resources in academic radiology, Virapongse C; Emerson S; Li KCP; Martineau BS; Staab EV, Radiology 1990; **175:** 247

research that radiologists do: perspective based on a survey of the literature, Holman BL, Radiology 1990; **176:** 329

Robert D. Pugatch, MD, sixth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, Radiology 1990; **176:** 285

Robert H. Ackerman, MD, Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Buck JL, Radiology 1991; **180:** 281

special requirements for subspecialty training in vascular and interventional radiology, Residency Review Committee for Radiology, JVIR 1991; **2:** 303

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, JVIR 1991; **2:** 169

standards for evaluating and reporting the results of surgical and percutaneous therapy for peripheral arterial disease, Rutherford RB; Becker GJ, Radiology 1991; **181:** 277

Speech

esophageal insufflation and videofluoroscopy for evaluation of esophageal speech in laryngectomy patients: clinical implications, Sloane PM; Griffin JM; O'Dwyer TP, Radiology 1991; **181:** 433

evaluation of functional positions of tongue and soft palate with MR imaging: initial clinical results, Wein BB; Drobnitzky M; Klajman S; Angerstein W, JMRI 1991; **1:** 381

evolution of technetium-99m-HMPAO SPECT and brain mapping in a patient presenting with echolalia and palilalia, Dierckx RA; Saerens J; De Deyn PP; et al, J Nucl Med 1991; **32:** 1619

language disturbances from mesencephalo-thalamic infarcts: identification of thalamic nuclei by CT-reconstructions, Lazzarino LG; Nicolai A; Valassi F; et al, Neuroradiol 1991; **33:** 300

MR imaging of the vocal tract during vowel production, Lakshminarayanan AV; Lee S; McCutcheon MJ, JMRI 1991; **1:** 71

radiological assessment of post laryngectomy speech, McIvor J; Evans PF; Perry A; et al, Clin Radiol 1990; **41:** 312

Sphenoid bone

case report 586, Harman SA; Pribram H, Skeletal Radiol 1990; **19:** 212

case report 680, Van Tassel P; Lee Y-Y; Ayala A; et al, Skeletal Radiol 1991; **20:** 383

giant-cell tumor of the sphenoid bone: case report and review of the literature, Kioumehr F; Rooholamini SA; Yaghmai I; et al, J Canad Assoc Radiol 1990; **41:** 155

marrow conversion before pneumatization of the sphenoid sinus: assessment with MR imaging, Aoki S; Dillon WP; Barkovich AJ; Norman D, Radiology 1989; **172:** 373

MR imaging of the normal and abnormal clivus, Kimura F; Kim KS; Friedman H; et al, AJR 1990; **155:** 1285

sphenoid fractures: prevalence, sites, and significance, Unger JM; Gentry LR; Grossman JE, Radiology 1990; **175:** 175

transalar sphenoidal encephaloceles: clinical and radiologic findings, Elster AD; Branch CL Jr, Radiology 1989; **170:** 245

Spina bifida

abnormal US appearance of the cerebellum (banana sign): indirect sign of spina bifida, Benacerraf BR; Stryker JM; Frigoletto FD Jr, Radiology 1989; **171:** 151

anterolateral cervical meningocele in association with neurofibromatosis: MR and CT studies, So CB; Li DKB, JCAT 1989; **13:** 692

case of intrathoracic meningocele accompanied by Recklinghausen's disease: cardiac gated CINE MRI, Abe T; Kojima K; Nishimura H; et al, Neuroradiol 1990; **32:** 535

case report 582, Arroyo JF; Garcia JF, Skeletal Radiol 1989; **18:** 614

cerebral and spinal MR-findings in patients with postrepair myelomeningocele, Just M; Schwarz M; Ludwig B; et al, Pediatr Radiol 1990; **20:** 262

deep venous thrombosis complicating myelomeningocele: report of three cases, (ab), Bernstein ML; Esseltine D; Azouz EM; et al, Radiology 1990; **175:** 888

detection of fetal central nervous system anomalies: a practical level of effort for a routine sonogram, Filly RA; Cardoza JD; Goldstein RB; Barkovich AJ, Radiology 1989; **172:** 403

effacement of the fetal cisterna magna in association with myelomeningocele, Goldstein RB; Podrasky AE; Filly RA; Callen PW, Radiology 1989; 172: 409

magnetic resonance imaging of post-surgical pseudomeningocele, Murayama S; Numaguchi Y; Whitecloud TS; et al, Comput Med Imag Graph 1989; 13: 335

MR demonstration of paravertebral lumbar meningomyelocele with diastematomyelia, Gupta RK; Sharma A, Neuroradiol 1990; 31: 554

MRI in the evaluation of spina bifida patients in the remote period after meningomyelocele repair, Williamson MR; Glasier CM; Chadduck WM; et al, Pediatr Radiol 1989; 19: 442

multiple meningeal cysts in Marfan syndrome, Robinson L; Dominguez R; Cabrera J; et al, AJNR 1989; 10: 1275

recommendations for obstetric sonography in the evaluation of the fetal cranium, Nyberg DA, Radiology 1989; 172: 309

screening spinal ultrasound in newborns with neural tube defects, Glasier CM; Chadduck WM; Leithiser RE Jr; et al, J Ultrasound Med 1990; 9: 339

sonography of intracranial air in a newborn with meningomyelocele, Kao SCS; Brown BP; Goedken J, Pediatr Radiol 1991; 21: 375

transperineal US: alternative technique to improve visualization of the presenting fetal part, Weber TM; Hertzberg BS; Bowie JD, Radiology 1991; 179: 747

traumatic lumbosacral nerve root meningoceles: the value of myelography, CT and MRI in the assessment of nerve root continuity, Verstraete KLA; Martens F; Smeets P; et al, Neuroradiol 1989; 31: 425

Spinal canal

magnetic resonance imaging in myelocystoceles: report of two cases, (ab), Peacock WJ; Murovic JA, Radiology 1990; 174: 589

radiographic anatomy of the distal dural sac: a myelographic investigation of dimensions and termination, Larsen JL; Olsen KO, Acta Radiol 1991; 32: 214

spinal canal extension of hyperalimentation catheter without neurologic sequela, Glasier CM; Hassell DR, Pediatr Radiol 1989; 19: 206

Spinal canal, CT

deposition of calcium pyrophosphate dihydrate crystals in the ligamentum flavum: evaluation with MR imaging and CT, Brown TR; Quinn SF; D'Agostino AN, Radiology 1991; 178: 871

diseases of the spinal canal in children: diagnosis with noncontrast CT scans, Fredericks BJ; Boldt DW; Tress BM; et al, AJNR 1989; 10: 1233

epidural lipomatosis, Doppman JL, Radiology 1989; 171: 581

Spinal canal, cysts

imaging of cystic and cavitary lesions of the spinal cord and canal: the value of MR and intraoperative sonography, Kochan JP; Quencer RM, Radiol Clin North Am 1991; 29: 867

intradural arachnoid cysts of the spinal canal associated with intramedullary cysts, (ab), Andrews BT; Weinstein PR; Rosenbaum ML; et al, Radiology 1989; 170: 589

Spinal canal, MR

chronic cervical cord compression: clinical significance of increased signal intensity on MR images, Takahashi M; Yamashita Y; Sakamoto Y; Kojima R, Radiology 1989; 173: 219

deposition of calcium pyrophosphate dihydrate crystals in the ligamentum flavum: evaluation with MR imaging and CT, Brown TR; Quinn SF; D'Agostino AN, Radiology 1991; 178: 871

disk fragment migration, Schellinger D; Manz HJ; Vidic B; Patronas NJ; Deveikis JP; Muraki AS; Abdullah DC, Radiology 1990; 175: 831

epidural lipomatosis, Doppman JL, Radiology 1989; 171: 581

magnetic resonance imaging in myelocystoceles: report of two cases, (ab), Peacock WJ; Murovic JA, Radiology 1990; 174: 589

meningeal mesenchymal chondrosarcoma of the spine: a case report, Huckabee RE, JMRI 1991; 1: 93

morphology, symptoms, and causality, Modic MT; Ross JS, Radiology 1990; 175: 619

pilomatrix carcinoma: role played by MR imaging, Campoy F Jr; Stiefel P; Stiefel E; et al, Neuroradiol 1989; 31: 196

simple method for spinal localization in MR imaging, Tien RD; Newton TH; Dillon WP; et al, AJNR 1989; 10: 1232

ventriculus terminalis of the conus medullaris: MR imaging in four patients with congenital dilatation, Sigal R; Denys A; Halimi P; et al, AJNR 1991; 12: 733

Spinal canal, neoplasms

meningeal mesenchymal chondrosarcoma of the spine: a case report, Huckabee RE, JMRI 1991; 1: 93

occult thoracic intradural extramedullary spinal canal lesions discovered by extending cervical and lumbar myelography, Martin DS; Awwad EE, Clin Imag 1990; 14: 106

pilomatrix carcinoma: role played by MR imaging, Campoy F Jr; Stiefel P; Stiefel E; et al, Neuroradiol 1989; 31: 196

Spinal canal, stenosis

central spinal cord lesions in stenosis of the cervical canal, Faiss JH; Schroth G; Grodd W; et al, Neuroradiol 1990; 32: 117

chronic cervical cord compression: clinical significance of increased signal intensity on MR images, Takahashi M; Yamashita Y; Sakamoto Y; Kojima R, Radiology 1989; 173: 219

degenerative narrowing of the cervical spine neural foramina: evaluation with high-resolution 3DFT gradient-echo MR imaging, Yousem DM; Atlas SW; Goldberg HI; et al, AJNR 1991; 12: 229

deposition of calcium pyrophosphate dihydrate crystals in the ligamentum flavum: evaluation with MR imaging and CT, Brown TR; Quinn SF; D'Agostino AN, Radiology 1991; 178: 871

lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, Montalvo BM; Quencer RM; Brown MD; et al, AJNR 1990; 11: 31

lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, Montalvo BM; Quencer RM; Brown MD; et al, AJR 1990; 154: 821

lumbar spinal canal size of sciatica patients, Hurme M; Alaranta H; Aalto T; et al, Acta Radiol 1989; 30: 353

marked canal stenosis at the level of the atlas, Sawada H; Akiguchi I; Fukuyama H; et al, Neuroradiol 1989; 31: 346

Spinal cord

See also Arachnoid; Meninges

imaging modalities for evaluation of the spine, Bates D; Ruggieri P, Radiol Clin North Am 1991; 29: 675

neuroanatomy and pathophysiology of pain related to spinal disorders, Group M; Stanton-Hicks M, Radiol Clin North Am 1991; 29: 665

paragangliomas of the cauda equina, Hayes E; Lippa C; Davidson R, AJNR 1989; 10: 545

spinal cord central echo complex: histoanatomic correlation, Nelson MD Jr; Sedler JA; Gilles FH, Radiology 1989; 170: 479

Spinal cord, abnormalities

abnormal US appearance of the cerebellum (banana sign): indirect sign of spina bifida, Benacerraf BR; Stryker JM; Frigoletto FD Jr, Radiology 1989; 171: 151

caudal regression syndrome and spondyloepiphyseal dysplasia in a 6-year-old child: a new syndrome?, Kozlowski K; Bacha L; Brahimi L; et al, Pediatr Radiol 1990; 21: 75

closed spinal dysraphism: analysis of clinical, radiological, and surgical findings in 104 consecutive patients, Scatliff JH; Kendall BE; Kingsley DPE; et al, AJNR 1989; 10: 269

developmental disorders of the pediatric spine, Byrd SE; Darling CF; McLone DG, Radiol Clin North Am 1991; 29: 711

fatty filum terminale: assessment with MR imaging, Okumura R; Minami S; Asato R; et al, JCAT 1990; 14: 571

lumbar cutaneous hemangiomas as indicators of tethered spinal cords, (ab), Albright AL; Gartner JC; Wiener ES, Radiology 1989; 173: 888

MR evaluation of spinal dermal sinus tracts in children, Barkovich AJ; Edwards MSB; Cogen PH, AJR 1991; 156: 791

occult spinal dysraphism: neuroradiological study, Tortori-Donati P; Cama A; Rosa ML; et al, Neuroradiol 1990; 31: 512

radiographic appearance of healed extremity fractures in children with spinal cord lesions, Hyre HM; Stelling CB, Skeletal Radiol 1989; 18: 189

radiographic manifestations of congenital anomalies of the spine, O'Connor JF; Cranley WR; McCarten KM; et al, Radiol Clin North Am 1991; 29: 407

tethered spinal cord syndrome: a correlation of radiological features and peroperative findings in 30 patients, Merx JL; Bakker-Niezen SH; Thijssen HOM; et al, Neuroradiol 1989; 31: 63

thickened fatty filum terminale: MR imaging, Uchino A; Mori T; Ohno M, Neuroradiol 1991; 33: 331

wedge-shaped cord terminus: a radiographic sign of caudal regression, Barkovich AJ; Raghavan N; Chuang SH; et al, AJNR 1989; 10: 1223

Spinal cord, blood supply

angiographic localization of spinal cord blood supply and its relationship to postoperative paraplegia, (ab), Williams GM; Perler BA; Burdick JF; et al, Radiology 1991; 180: 295

clinical syndromes and differential diagnosis of spinal disorders, Elghazawi AK, Radiol Clin North Am 1991; 29: 651

interventional neuroradiology, Eskridge JM, Radiology 1989; 172: 991

spinal cord infarction: report of 8 cases and review of the literature, (ab), Sandson TA; Friedman JH, Radiology 1990; 175: 293

spinal cord ischemia after resection of thoracoabdominal aortic aneurysms: MR findings in 24 patients, Mawad ME; Rivera V; Crawford S; et al, AJNR 1990; 11: 987

Spinal cord, compression

case report 579, Pinstein ML; Sebes JI; Leventhal M; et al, Skeletal Radiol 1989; 18: 603

case report 647, Paige ML; Michael AS; Brodin A, Skeletal Radiol 1991; 20: 54

case report: thoracic spinal cord compression caused by diffuse idiopathic skeletal hyperostosis (DISH), Wilson FMA; Jaspan T, Clin Radiol 1990; 42: 133

cauda equina syndrome complicating ankylosing spondylitis, Mitchell MJ; Sartoris DJ; Moody D; Resnick D, Radiology 1990; 175: 521

cervical cord compression in scleroderma: one case, Bracard S; Thomas E; Braun M; et al, J Neuroradiol 1991; 18: 12

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; 180: 245

chronic cervical cord compression: clinical significance of increased signal intensity on MR images, Takahashi M; Yamashita Y; Sakamoto Y; Kojima R, Radiology 1989; 173: 219

chronic injuries of the spinal cord: assessment with MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Oguni T; Sakae T; Yoshizumi K; Kim EE, Radiology 1990; 175: 849

CT and MRI of symptomatic spinal involvement by extramedullary haemopoiesis, Papavasiliou C; Gouliamos A; Vlahos L; et al, Clin Radiol 1990; 42: 91

CT morphology of intrathecal lumbosacral nerve-root compression, Wilmink JT, AJNR 1989; 10: 233

epidural lipomatosis, Doppman JL, Radiology 1989; 171: 581

extradural spinal cord compression: analysis of factors determining functional prognosis—prospective study, Kim RY; Spencer SA; Meredith RF; Weppelmann B; Lee JY; Smith JW; Salter MM, Radiology 1990; 176: 279

hereditary multiple exostoses and cervical cord compression: CT and MR studies, Tully RJ; Pickens J; Oro J; et al, JCAT 1989; 13: 330

identifiable causes for poor outcome in surgery for cervical spondylosis: post-operative computed myelography and MR imaging, Clifton AG; Stevens JM; Whitear P; et al, Neuroradiol 1990; 32: 450

magnetic resonance imaging contribution to the diagnosis of spinal cord compression by a subdural arachnoid cyst, Gindre-Barrucand T; Charleux F; Turjman F; et al, Neuroradiol 1991; **33:** 87

magnetic resonance imaging in suspected metastatic spinal cord compression, Williams MP; Cherryman GR; Husband JE, Clin Radiol 1989; **40:** 286

magnetic resonance imaging of malignant extradural tumors with acute spinal cord compression, Lien HH; Blomlie V; Heimdal K, Acta Radiol 1990; **31:** 187

mechanism of ischemia in anteroposterior compression of the spinal cord, Doppman JL, Invest Radiol 1990; **25:** 444

MR examination for spinal cord compression: impact of a multicoil system on length of study, Yousem DM; Schnall MD, JCAT 1991; **15:** 598

myelopathy due to osteochondroma: MR and CT studies, Moriwaka F; Hozen H; Nakane K; et al, JCAT 1990; **14:** 128

neuroradiological examination of thoracic radiculo-myelopathy due to ossification of the ligamentum flavum, Hanakita J; Suwa H; Ohta F; et al, Neuroradiol 1990; **32:** 38

retroperitoneal mass and spinal cord compression due to extramedullary haemopoieses in polycythaemia rubra vera, Jackson A; Burton IE, Br J Radiol 1989; **62:** 944

spinal cord compression due to metastatic disease: diagnosis with MR imaging versus myelography, Carmody RF; Yang PJ; Seeley GW; Seeger JF; Unger EC; Johnson JE, Radiology 1989; **173:** 225

spinal cord compression due to ossification of ligaments: MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Yoshizumi K; Oguni T; Kojima R, Radiology 1990; **175:** 843

spinal cord compression in type I Gaucher disease, Hermann G; Wagner LD; Gendal ES; Ragland RL; Ulin RI, Radiology 1989; **170:** 147

treatment outcome of spinal cord compression by nasopharyngeal carcinoma, Leung SF; Tsao SY; Shiu W, Br J Radiol 1990; **63:** 716

vascular metastatic lesions of the spine: preoperative embolization, Gellad FE; Sadato N; Numaguchi Y; Levine AM, Radiology 1990; **176:** 683

Spinal cord, CT

diagnostic value of spinal computer tomography in patients with intraspinal metastases causing complete block on myelography, Boesen J; Johnsen A; Helweg-Larsen S; et al, Acta Radiol 1991; **32:** 1

encapsulated epidural catheter: CT findings, Brems-Dalgaard E; Just SL; Pedersen H, Neuroradiol 1991; **33:** 81

extradural spinal cord compression: analysis of factors determining functional prognosis—prospective study, Kim RY; Spencer SA; Meredith RF; Weppelmann B; Lee JY; Smith JW; Salter MM, Radiology 1990; **176:** 279

hereditary multiple exostoses and cervical cord compression: CT and MR studies, Tully RJ; Pickens J; Oro J; et al, JCAT 1989; **13:** 330

Leigh disease: value of CT in presymptomatic patients and variability of the lesions with time, Taccone A; Di Rocco M; Fondelli P; et al, JCAT 1989; **13:** 207

lumbar myelography with iohexol in outpatients: prospective multicenter evaluation of safety, Wang H; Binet EF; Gabrielsen TO; Rosenbaum AE, Radiology 1989; **173:** 239

Spinal cord, cysts

chronic injuries of the spinal cord: assessment with MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Oguni T; Sakae T; Yoshizumi K; Kim EE, Radiology 1990; **175:** 849

imaging of cystic and cavitary lesions of the spinal cord and canal: the value of MR and intraoperative sonography, Kochan JP; Quencer RM, Radiol Clin North Am 1991; **29:** 867

intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM, Radiology 1991; **181:** 573

Spinal cord, diseases

central spinal cord lesions in stenosis of the cervical canal, Faiss JH; Schroth G; Grodd W; et al, Neuroradiol 1990; **32:** 117

cervical myelopathy in C.P.P.D. deposition disease, Parker GD; Jones NR; Scott G, Australas Radiol 1990; **34:** 82

clinical syndromes and differential diagnosis of spinal disorders, Elghazawi AK, Radiol Clin North Am 1991; **29:** 651

epidural lipomatosis, Doppman JL, Radiology 1989; **171:** 581

Leigh disease: value of CT in presymptomatic patients and variability of the lesions with time, Taccone A; Di Rocco M; Fondelli P; et al, JCAT 1989; **13:** 207

MR imaging of compressive myelomalacia, Ramanauskas WL; Wilner HI; Metes JJ; et al, JCAT 1989; **13:** 399

MR imaging of spinal pachymeningitis, Digman KE; Partington CR; Graves VB, JCAT 1990; **14:** 988

spinal cord sarcoidosis with intramedullary cyst formation, Clifton AG; Stevens JM; Kapoor R; et al, Br J Radiol 1990; **63:** 805

Spinal cord, effects of irradiation on

chronic cervical radiation myelopathy diagnosed by MRI, de Toffol B; Cotty P; Calais G; et al, J Neuroradiol 1989; **16:** 251

incidence of myelitis after irradiation of the cervical spinal cord, Marcus RB Jr; Million RR, Int J Radiat Oncol Biol Phys 1990; **19:** 3

MRI of radiation induced spinal cord glioma, Bazan C III; New PZ; Kagan-Hallet KS, Neuroradiol 1990; **32:** 331

radiation myelopathy in primates treated with conventional fractionation, Schultheiss TE; Stephens LC; Jiang G-L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 935

radiation tolerance of the cervical spinal cord, McCunniff AJ; Liang MJ, Int J Radiat Oncol Biol Phys 1989; **16:** 675

radiaton myelopathy of the cervical spinal cord: MR findings, Zweig G; Russell EJ, AJNR 1990; **11:** 1188

reduction of radiation damage to the spinal cord by post-irradiation administration of vasoactive drugs, Hornsey S; Myers R; Jenkinson T, Int J Radiat Oncol Biol Phys 1990; **18:** 1437

Spinal cord, hemorrhage

spontaneous lumbar subdural hematoma, Levy JM, AJNR 1990; **11:** 780

Spinal cord, infection

epidural abscess of the cervical spine: case report and literature review, Williams JW; Powell T, Br J Radiol 1990; **63:** 576

extramedullary spinal cysticercosis, Palasis S; Drevelengas A, Eur J Radiol 1991; **12:** 216

infectious and inflammatory processes of the spine, Smith AS; Blaser SI, Radiol Clin North Am 1991; **29:** 809

MR imaging of schistosomal myelitis, Dupuis MJM; Atrouni S; Dooms GC; et al, AJNR 1990; **11:** 782

spinal cord aspergillosis in immunosuppressed patients, Parker SL; Laszewski MJ; Trigg ME; et al, Pediatr Radiol 1990; **20:** 351

Spinal cord, injuries

acute cervical spine trauma: correlation of MR imaging findings with degree of neurologic deficit, Flanders AE; Schaefer DM; Doan HT; Mishkin MM; Gonzalez CF; Northrup BE, Radiology 1990; **177:** 25

acute cervical trauma: correlation of MR imaging findings with neurologic deficit, Schweitzer ME; Cervilla V; Resnick D, Radiology 1991; **179:** 287

acute cervical trauma: correlation of MR imaging findings with neurologic deficit: reply, Flanders AE, Radiology 1991; **179:** 287

acute spinal cord injury: magnetic resonance imaging correlated with myelopathy, Yamashita Y; Takahashi M; Matsuno Y; et al, Br J Radiol 1991; **64:** 201

atlantooccipital dislocation: MR demonstration of cord damage, Goldberg AL; Baron B; Daffner RH, JCAT 1991; **15:** 174

cause of death for patients with spinal cord injuries, (ab), DeVivo MJ; Kartus PL; Stover SL; et al, Radiology 1990; **175:** 295

cervical myelography, Skalpe IO, Radiology 1990; **177:** 590

cervical myelography: reply, Robertson HJ; Smith RD, Radiology 1990; **177:** 590

cervical myelography: survey of modes of practice and major complications, Robertson HJ; Smith RD, Radiology 1990; **174:** 79

cervical spinal cord injury after traumatic breech delivery, Castillo M; Quencer RM; Green BA, AJNR 1989; **10:** 599

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; **180:** 245

chronic injuries of the spinal cord: assessment with MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Oguni T; Sakae T; Yoshizumi K; Kim EE, Radiology 1990; **175:** 849

colonic transit in spinal cord-injured patients, Nino-Murcia M; Stone JM; Chang PJ; et al, Invest Radiol 1990; **25:** 109

comparison of computerized tomography parameters of the cervical spine in normal control subjects and spinal cord-injured patients, (ab), Matsuura P; Waters RL; Adkins RH; et al, Radiology 1989; **173:** 294

denominators of spinal cord injury, Hackney DB, Radiology 1990; **177:** 18

gallbladder contractility in patients with spinal cord injuries: a sonographic investigation, Nino-Murcia M; Burton D; Chang PJ; et al, AJR 1990; **154:** 521

intraoperative sonography of cervical spinal cord injury: results in 30 patients, Mirvis SE; Geisler FH, AJNR 1990; **11:** 755

intraoperative sonography of cervical spinal cord injury: results in 30 patients, Mirvis SE; Geisler FH, AJR 1990; **155:** 603

MR imaging of acute spinal cord injury: results of an experimental study in dogs, Schouman-Claeys E; Frija G; Cuenod CA; et al, AJNR 1990; **11:** 959

MR of cord transection, Mendelsohn DB; Zollars L; Weatherall PT; et al, JCAT 1990; **14:** 909

nerve root avulsion of birth palsy: comparison of myelography with CT myelography and somatosensory evoked potential, Hashimoto T; Mitomo M; Hirabuki N; Miura T; Kawai R; Nakamura H; Kawai H; Ono K; Kozuka T, Radiology 1991; **178:** 841

posttraumatic spinal pseudomeningocele: MR and clinical features, Sklar EML; Quencer RM; Green BA, AJNR 1990; **11:** 1184

Spinal cord, MR

acute cervical spine trauma: correlation of MR imaging findings with degree of neurologic deficit, Flanders AE; Schaefer DM; Doan HT; Mishkin MM; Gonzalez CF; Northrup BE, Radiology 1990; **177:** 25

acute cervical trauma: correlation of MR imaging findings with neurologic deficit, Schweitzer ME; Cervilla V; Resnick D, Radiology 1991; **179:** 287

acute cervical trauma: correlation of MR imaging findings with neurologic deficit: reply, Flanders AE, Radiology 1991; **179:** 287

acute spinal cord injury: magnetic resonance imaging correlated with myelopathy, Yamashita Y; Takahashi M; Matsuno Y; et al, Br J Radiol 1991; **64:** 201

atlantooccipital dislocation: MR demonstration of cord damage, Goldberg AL; Baron B; Daffner RH, JCAT 1991; **15:** 174

case report: magnetic resonance imaging with gadolinium-DTPA enhancement in the differentiation of benign from neoplastic cord cavitation, Clarke CE; Hawnaur J; Prvulovich E; et al, Clin Radiol 1990; **41:** 214

cauda equina syndrome complicating ankylosing spondylitis: MR features, Rubenstein DJ; Alvarez O; Ghelman B; et al, JCAT 1989; **13:** 511

cerebral and spinal MR-findings in patients with postrepair myelomeningocele, Just M; Schwarz M; Ludwig B; et al, Pediatr Radiol 1990; **20:** 262

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; **180:** 245

chronic cervical cord compression: clinical significance of increased signal intensity on MR images, Takahashi M; Yamashita Y; Sakamoto Y; Kojima R, Radiology 1989; **173:** 219

chronic injuries of the spinal cord: assessment with MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Oguni T; Sakae T; Yoshizumi K; Kim EE, Radiology 1990; **175:** 849

comparing the cost of spinal MR with conventional myelography and radiculography, du Boulay GH; Hawkes S; Lee C-C; et al, Neuroradiol 1990; **32:** 124

denominators of spinal cord injury, Hackney DB, Radiology 1990; **177:** 18

extradural spinal cord compression: analysis of factors determining functional prognosis—prospective study, Kim RY; Spencer SA; Meredith RF; Weppelmann B; Lee JY; Smith JW; Salter MM, Radiology 1990; **176:** 279

fat-cap sign: an aid to MR evaluation of extradural spinal tumors, Horner NB; Pinto RS, AJNR 1989; **10:** S93

fatty filum terminale: assessment with MR imaging, Okumura R; Minami S; Asato R; et al, JCAT 1990; **14:** 571

field strength in neuro-MR imaging: a comparison of 0.5 T and 1.5 T, Jack CR Jr; Berquist TH; Miller GM; et al, JCAT 1990; **14:** 505

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

gadolinium-DTPA MRI in the diagnosis of a patient with leptomeningeal metastasis produced by uvular carcinoma, Garcia C; Rubio G; Molina F; et al, Neuroradiol 1991; **33:** 282

gadolinium-enhanced MR imaging of infarction of the anterior spinal cord, Casselman JW; Jolie E; Dehaene I; et al, AJNR 1991; **12:** 561

Gd-DTPA–enhanced MR imaging of spinal tumors, Parizel PM; Baléríaux D; Rodesch G; et al, AJNR 1989; **10:** 249

hereditary multiple exostoses and cervical cord compression: CT and MR studies, Tully RJ; Pickens J; Oro J; et al, JCAT 1989; **13:** 330

high-resolution MR imaging of the cadaveric human spinal cord: normal anatomy, Solsberg MD; Lemaire C; Resch L; et al, AJNR 1990; **11:** 3

high-resolution MR of the spinal cord in humans and rats, Carvlin MJ; Asato R; Hackney DB; et al, AJNR 1989; **10:** 13

intradural spinal cord lesions: Gd-DTPA–enhanced MR imaging, Dillon WP; Norman D; Newton TH; Bolla K; Mark A, Radiology 1989; **170:** 229

intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM, Radiology 1991; **181:** 573

in vitro magnetic resonance microimaging of the spinal cord, Lemaire C; Duncan EG; Solsberg MD; et al, Magn Res Med 1990; **14:** 97

leptomeningeal metastases: MR evaluation, Yousem DM; Patrone PM; Grossman RI, JCAT 1990; **14:** 255

magnetic resonance and fluorine-18 deoxyglucose imaging in the investigation of a spinal cord tumor, Alavi A; Kramer E; Wegener W, J Nucl Med 1990; **31:** 360

magnetic resonance imaging and anatomy of the spine, Yu S; Haughton VM; Rosenbaum AE, Radiol Clin North Am 1991; **29:** 691

magnetic resonance imaging in suspected metastatic spinal cord compression, Williams MP; Cherryman GR; Husband JE, Clin Radiol 1989; **40:** 286

magnetic resonance imaging of a high cervical intradural lipoma, Kodama T; Numaguchi Y; Gellad FE; et al, Comput Med Imag Graph 1991; **15:** 93

measurements of the normal cervical spinal cord on MR imaging, Sherman JL; Nassaux PY; Citrin CM, AJNR 1990; **11:** 369

MR evaluation of spinal dermal sinus tracts in children, Barkovich AJ; Edwards MSB; Cogen PH, AJNR 1991; **12:** 123

MR examination for spinal cord compression: impact of a multicoil system on length of study, Yousem DM; Schnall MD, JCAT 1991; **15:** 598

MRI and pathological findings in two cases of Askin tumors, Faubert C; Inniger R, Neuroradiol 1991; **33:** 277

MRI features of spinal ganglioglioma, Cheung Y-K; Fung C-F; Chan F-L; et al, Clin Imag 1991; **15:** 109

MR imaging artifacts of the axial internal anatomy of the cervical spinal cord, Curtin AJ; Chakeres DW; Bulas R; et al, AJNR 1989; **10:** 19

MR imaging determination of the location of the normal conus medullaris throughout childhood, Wilson DA; Prince JR, AJNR 1989; **10:** 259

MR imaging in the tethered spinal cord syndrome, Raghavan N; Barkovich AJ; Edwards M; et al, AJNR 1989; **10:** 27

MR imaging of acute spinal cord injury: results of an experimental study in dogs, Schouman-Claeys E; Frija G; Cuenod CA; et al, AJNR 1990; **11:** 959

MR imaging of asymptomatic brainstem and spinal cord lesions in sisters with neurofibromatosis, Kim T; Foust RJ; Mojtahedi S, AJNR 1989; **10:** S71

MR imaging of cervical spinal cord infarction, Brown E; Virapongse C; Gregorios JB, JCAT 1989; **13:** 920

MR imaging of compressive myelomalacia, Ramanauskas WL; Wilner HI; Metes JJ; et al, JCAT 1989; **13:** 399

MR imaging of experimental demyelination, Teresi LM; Hovda D; Seeley AB; et al, AJNR 1989; **10:** 307

MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD, JMRI 1991; **1:** 469

MR imaging of schistosomal myelitis, Dupuis MJM; Atrouni S; Dooms GC; et al, AJNR 1990; **11:** 782

MR imaging of spinal pachymeningitis, Digman KE; Partington CR; Graves VB, JCAT 1990; **14:** 988

MR imaging of spontaneous spinal cord infarction, Elksnis SM; Hogg JP; Cunningham ME, JCAT 1991; **15:** 228

MR imaging of the cervical cord in juvenile amyotrophy of distal upper extremity, Biondi A; Dormont D; Weitzner I Jr; et al, AJNR 1989; **10:** 263

MR of cord transection, Mendelsohn DB; Zollars L; Weatherall PT; et al, JCAT 1990; **14:** 909

neuroradiological examination of thoracic radiculo-myelopathy due to ossification of the ligamentum flavum, Hanakita J; Suwa H; Ohta F; et al, Neuroradiol 1990; **32:** 38

neuroradiologic findings in leptomeningeal carcinomatosis: the value interest of gadolinium-enhanced MRI, Rodesch G; Van Bogaert P; Mavroudakis N; et al, Neuroradiol 1990; **32:** 26

posttraumatic spinal pseudomeningocele: MR and clinical features, Skiar EML; Quencer RM; Green BA, AJNR 1990; **11:** 1184

primary spinal cord lymphoma: MR appearance, Bluemke DA; Wang H, JCAT 1990; **14:** 812

pseudoatrophy of the cervical portion of the spinal cord on MR images: a manifestation of the truncation artifact?, Yousem DM; Janick PA; Atlas SW; et al, AJNR 1990; **11:** 373

pseudoatrophy of the cervical portion of the spinal cord on MR images: a manifestation of the truncation artifact?, Yousem DM; Janick PA; Atlas SW; et al, AJR 1990; **154:** 1069

radiaton myelopathy of the cervical spinal cord: MR findings, Zweig G; Russell EJ, AJNR 1990; **11:** 1188

simulation of syringomyelia by ventral median fissure, Chen MYM; Elster AD, JCAT 1990; **14:** 841

spinal cord cavities: differential-diagnostic criteria in magnetic resonance imaging, Schubeus P; Schörner W; Hosten N; et al, Eur J Radiol 1991; **12:** 219

spinal cord compression due to metastatic disease: diagnosis with MR imaging versus myelography, Carmody RF; Yang PJ; Seeley GW; Seeger JF; Unger EC; Johnson JE, Radiology 1989; **173:** 225

spinal cord compression due to ossification of ligaments: MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Yoshizumi K; Oguni T; Kojima R, Radiology 1990; **175:** 843

spinal cord compression in type I Gaucher disease, Hermann G; Wagner LD; Gendal ES; Ragland RL; Ulin RI, Radiology 1989; **170:** 147

spinal cord ischemia after resection of thoracoabdominal aortic aneurysms: MR findings in 24 patients, Mawad ME; Rivera V; Crawford S; et al, AJNR 1990; **11:** 987

spinal cord ischemia after resection of thoracoabdominal aortic aneurysms: MR findings in 24 patients, Mawad ME; Rivera V; Crawford S; et al, AJR 1990; **155:** 1303

spinal cord pial metastases: MR imaging with gadopentetate dimeglumine, Lim V; Sobel DF; Zyroff J, AJNR 1990; **11:** 975

spinal cord pial metastases: MR imaging with gadopentetate dimeglumine, Lim V; Sobel DF; Zyroff J, AJR 1990; **155:** 1077

spinal cord sarcoidosis: a new finding at MR imaging with Gd-DTPA enhancement, Nesbit GM; Miller GM; Baker HL Jr; Ebersold MJ; Scheithauer B, Radiology 1989; **173:** 839

spinal epidural angiolipoma: MR findings, Mascalchi M; Arnetoli G; Dal Pozzo G; et al, AJNR 1991; **12:** 744

supratentorial and spinal cord hemangioblastomas: gadolinium enhanced MR appearance with pathologic correlation, Silbergeld J; Cohen WA; Maravilla KR; et al, JCAT 1989; **13:** 1048

symptomatic spinal epidural lipomatosis without exogenous steroid intake: report of a case with magnetic resonance imaging, Gero BT; Chynn KY, Neuroradiol 1989; **31:** 190

thickened fatty filum terminale: MR imaging, Uchino A; Mori T; Ohno M, Neuroradiol 1991; **33:** 331

three-dimensional gradient-recalled MR imaging as a screening tool for the diagnosis of cervical radiculopathy, Tsuruda JS; Norman D; Dillon WP; et al, AJNR 1989; **10:** 1263

toxoplasmic myelitis in AIDS: gadolinium-enhanced MR, Harris TM; Smith RR; Bognanno JR; et al, JCAT 1990; **14:** 809

Spinal cord, neoplasms

9-year-old girl with a 4-week history of low back pain, Calamari GA; Govoni AF; Cash K, Clin Imag 1990; **14:** 159

case of the month: a pearl of wisdom, Rawlinson J; Coblentz CL; Franic S, Br J Radiol 1991; **64:** 473

case report: subdural spinal lipoma with posterior fossa extension, Fan CJ; Veerapen RJ; Tan CT, Clin Radiol 1989; **40:** 91

charged particle radiotherapy for lesions encircling the brain stem or spinal cord, Castro JR; Collier JM; Petti PL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 477

clinical syndromes and differential diagnosis of spinal disorders, Elghazawi AK, Radiol Clin North Am 1991; **29:** 651

common causes of low back pain in children, Afshani E; Kuhn JP, Radiographics 1991; **11:** 269

diagnostic value of spinal computer tomography in patients with intraspinal metastases causing complete block on myelography, Boesen J; Johnsen A; Helweg-Larsen S; et al, Acta Radiol 1991; **32:** 1

extradural spinal cord compression: analysis of factors determining functional prognosis—prospective study, Kim RY; Spencer SA; Meredith RF; Weppelmann B; Lee JY; Smith JW; Salter MM, Radiology 1990; **176:** 279

fat-cap sign: an aid to MR evaluation of extradural spinal tumors, Horner NB; Pinto RS, AJNR 1989; **10:** S93

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

gadolinium-DTPA MRI in the diagnosis of a patient with leptomeningeal metastasis produced by uvular carcinoma, Garcia C; Rubio G; Molina F; et al, Neuroradiol 1991; **33:** 282

Gd-DTPA–enhanced MR imaging of spinal tumors, Parizel PM; Balériaux D; Rodesch G; et al, AJNR 1989; **10:** 249

granulocytic sarcoma (chloroma): sphenoidal sinus and paraspinal involvement as evaluated by CT and MR, Freedy RM; Miller KD Jr, AJNR 1991; **12:** 259

hamartomatous spinal cord lesion in neurofibromatosis, Katz BH; Quencer RM, AJNR 1989; **10:** S101

intradural spinal cord lesions: Gd-DTPA–enhanced MR imaging, Dillon WP; Norman D; Newton TH; Bolla K; Mark A, Radiology 1989; **170:** 229

intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM, Radiology 1991; **181:** 573

intramedullary non-Hodgkin's lymphoma of the spinal cord; a case report, Chung MEW; van Heesewijk JPM; Ramos LMP, Eur J Radiol 1991; **12:** 226

leptomeningeal metastases: MR evaluation, Yousem DM; Patrone PM; Grossman RI, JCAT 1990; **14:** 255

magnetic resonance and fluorine-18 deoxyglucose imaging in the investigation of a spinal cord tumor, Alavi A; Kramer E; Wegener W, J Nucl Med 1990; **31:** 360

magnetic resonance imaging in suspected metastatic spinal cord compression, Williams MP; Cherryman GR; Husband JE, Clin Radiol 1989; **40:** 286

magnetic resonance imaging of a high cervical intradural lipoma, Kodama T; Numaguchi Y; Gellad FE; et al, Comput Med Imag Graph 1991; **15:** 93

MRI and pathological findings in two cases of Askin tumors, Faubert C; Inniger R, Neuroradiol 1991; **33:** 277

MRI features of spinal ganglioglioma, Cheung Y-K; Fung C-F; Chan F-L; et al, Clin Imag 1991; **15:** 109

MR imaging of Hippel-Lindau disease: value of gadopentetate dimeglumine, Nelson DR; Yuh WTC; Waziri MH; Ryals TJ; Sato Y; Kao SCS; Hawes DR; Williams RD, JMRI 1991; **1:** 469

MRI of radiation induced spinal cord glioma, Bazan C III; New PZ; Kagan-Hallet KS, Neuroradiol 1990; **32:** 331

neoplastic disease of the spine, Masaryk TJ, Radiol Clin North Am 1991; **29:** 829

neuroradiologic findings in leptomeningeal carcinomatosis: the value interest of gadolinium-enhanced MRI, Rodesch G; Van Bogaert P; Mavroudakis N; et al, Neuroradiol 1990; **32:** 26

non-Hodgkin lymphomas presenting with spinal epidural involvement, Di Marco A; Campostrini F; Garusi GF, Acta Oncol 1989; **28:** 485

paragangliomas of the cauda equina, Hayes E; Lippa C; Davidson R, AJNR 1989; **10:** S45

PET evaluation of spinal cord tumor using ^{11}C-methionine, Higano S; Shishido F; Nagashima M; et al, JCAT 1990; **14:** 297

postoperative radiotherapy of primary spinal cord tumors, Linstadt D; Wara WM; Leibel SA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1397

primary spinal cord lymphoma: MR appearance, Bluemke DA; Wang H, JCAT 1990; **14:** 812

role of radiation therapy in the management of ependymomas of the spinal cord, Wen B-C; Hussey DH; Hitchon PW; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 781

spinal cord compression due to metastatic disease: diagnosis with MR imaging versus myelography, Carmody RF; Yang PJ; Seeley GW; Seeger JF; Unger EC; Johnson JE, Radiology 1989; **173:** 225

spinal cord pial metastases: MR imaging with gadopentetate dimeglumine, Lim V; Sobel DF; Zyroff J, AJNR 1990; **11:** 975

spinal cord pial metastases: MR imaging with gadopentetate dimeglumine, Lim V; Sobel DF; Zyroff J, AJR 1990; **155:** 1077

spinal cord sarcoidosis: a new finding at MR imaging with Gd-DTPA enhancement, Nesbit GM; Miller GM; Baker HL Jr; Ebersold MJ; Scheithauer B, Radiology 1989; **173:** 839

spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Sze G; Bravo S; Krol G, Radiology 1989; **170:** 849

supratentorial and spinal cord hemangioblastomas: gadolinium enhanced MR appearance with pathologic correlation, Silbergeld J; Cohen WA; Maravilla KR; et al, JCAT 1989; **13:** 1048

Spinal cord, radiography

See Myelography

Spinal cord, radionuclide studies

magnetic resonance and fluorine-18 deoxyglucose imaging in the investigation of a spinal cord tumor, Alavi A; Kramer E; Wegener W, J Nucl Med 1990; **31:** 360

Spinal cord, therapeutic radiology

charged particle radiotherapy for lesions encircling the brain stem or spinal cord, Castro JR; Collier JM; Petti PL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 477

effects of high dose intraperitoneal cytosine arabinoside on the radiation tolerance of the rat spinal cord, Menten J; Landuyt W; van der Kogel AJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 131

postoperative radiotherapy of primary spinal cord tumors, Linstadt D; Wara WM; Leibel SA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1397

role of prophylactic spinal irradiation in localized intracranial ependymoma, Vanuytsel L; Brada M, Int J Radiat Oncol Biol Phys 1991; **21:** 825

role of radiation therapy in the management of ependymomas of the spinal cord, Wen B-C; Hussey DH; Hitchon PW; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 781

Spinal cord, US

abnormal US appearance of the cerebellum (banana sign): indirect sign of spina bifida, Benacerraf BR; Stryker JM; Frigoletto FD Jr, Radiology 1989; **171:** 151

intraoperative sonography of cervical spinal cord injury: results in 30 patients, Mirvis SE; Geisler FH, AJNR 1990; **11:** 755

intraoperative sonography of cervical spinal cord injury: results in 30 patients, Mirvis SE; Geisler FH, AJR 1990; **155:** 603

spinal cord central echo complex: histoanatomic correlation, Nelson MD Jr; Sedler JA; Gilles FH, Radiology 1989; **170:** 479

ultrasound imaging of the spinal cord via the esophagus in conscious patients: initial experience, Mügge A; Konitzer M; Gaab M; et al, JCU 1991; **19:** 187

Spine

See also Spinal cord

imaging modalities for evaluation of the spine, Bates D; Ruggieri P, Radiol Clin North Am 1991; **29:** 675

stress-related rib and vertebral changes, Macones AJ Jr; Fisher MS; Locke JL, Radiology 1989; **170:** 117

Spine, abnormalities

acquired coronal cleft vertebra, Wilson ARM; Wastie ML; Preston BJ; et al, Clin Radiol 1989; **40:** 167

cervical butterfly-block vertebra: a case report, Schlitt M; Dempsey PJ; Robinson RK, Clin Imag 1989; **13:** 167

cervical disk disease, Russell EJ, Radiology 1990; **177:** 313

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean PL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

congenital absence of a cervical spine pedicle: clinical and radiologic findings, Wiener MD; Martinez S; Forsberg DA, AJR 1990; **155:** 1037

cranio-vertebral bony changes in a case of congenital lipomatosis, Wylie EJ; Kendall B, Neuroradiol 1989; **31:** 352

descent of the bladder neck: a urographic finding in denervation of the urethral sphincter in children with myelodysplasia, Zerin JM; Lebowitz RL; Bauer SB, Radiology 1990; **174:** 833

developmental disorders of the pediatric spine, Byrd SE; Darling CF; McLone DG, Radiol Clin North Am 1991; **29:** 711

diffuse idiopathic skeletal hyperostosis: diagnostic significance of radiographic abnormalities of the pelvis, Haller J; Resnick D; Miller CW; Schils JP; Kerr R; Bielecki D; Sartoris DJ; Gundry CR, Radiology 1989; **172:** 835

erosive spondylo-arthropathy and tertiary hyperparathyroidism, Adler JS; Cameron DC, Australas Radiol 1989; **33:** 90

giant thoracic osteophyte causing esophageal food impaction, Underberg-Davis S; Levine MS, AJR 1991; **157:** 319

imaging of the absent cervical pedicle, Edwards MG; Wesolowski D; Matasar K, Skeletal Radiol 1991; **20:** 325

incidence of unfused ossicles in the lumbar facet joints: CT, MR, and cryomicrotomy study, Wang ZL; Yu S; Sether LA; et al, JCAT 1989; **13:** 594

intraspinal air: an unusual manifestation of blunt chest trauma, Scialdone CJ; Wagle W, Clin Imag 1990; **14:** 59

prevalence of lumbosacral intervertebral disk abnormalities on MR images in pregnant and asymptomatic nonpregnant women, Weinreb JC; Wolbarsht LB; Cohen JM; Brown CEL; Maravilla KR, Radiology 1989; **170:** 125

radiologic abnormalities of the thoraco-lumbar spine in athletes, Hellström M; Jacobsson B; Swärd L; et al, Acta Radiol 1990; **31:** 127

sclerotic pedicle—how many causes are there?, Yochum TR; Sellers LT; Oppenheimer DA; et al, Skeletal Radiol 1990; **19:** 411

skeletal brucellosis: assessment with bone scintigraphy, El-Desouki M, Radiology 1991; **181:** 415

spinal hyperostosis in comparative pathology: a useful approach to the concept, Lagier R, Skeletal Radiol 1989; **18:** 99

thoracic outlet syndrome: evaluation with CT, Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B, Radiology 1989; **171:** 381

Spine, anatomy

changes in MR signal intensity of the intervertebral disk, Blumberg ML; Ostrum BJ; Ostrum DM, Radiology 1991; **179:** 584

disk fragment migration, Schellinger D; Manz HJ; Vidic B; Patronas NJ; Deveikis JP; Muraki AS; Abdullah DC, Radiology 1990; **175:** 831

effect of axial loading on neural foramina and nerve roots in the lumbar spine, Nowicki BH; Yu S; Reinartz J; Pintar F; Yoganandan N; Haughton VM, Radiology 1990; **176:** 433

facet joint arthrography in lumbar spondylolysis: anatomic basis for spread of contrast medium, McCormick CC; Taylor JR; Twomey LT, Radiology 1989; **171:** 193

intervertebral disk: normal age-related changes in MR signal intensity, Modic MT; Herfkens RJ, Radiology 1990; **177:** 332

intervertebral disk: normal age-related changes in MR signal intensity: reply, Haughton VM, Radiology 1990; **177:** 333

intervertebral disk: normal age-related changes in MR signal intensity, Sether LA; Yu S; Haughton VM; Fischer ME, Radiology 1990; **177:** 385

morphology, symptoms, and causality, Modic MT; Ross JS, Radiology 1990; **175:** 619

normal and disrupted lumbar longitudinal ligaments: correlative MR and anatomic study, Grenier N; Greselle J-F; Vital J-M; Kien P; Baulny D; Broussin J; Senegas J; Caille J-M, Radiology 1989; **171:** 197

target pedicle of T-12: radiologic-anatomic correlation, Ehara S; El-Khoury GY; Bergman RA, Radiology 1990; **174:** 871

Spine, angiography
digital subtraction spinal cord angiography in patients undergoing thoracic aneurysm surgery, Fereshetian A; Kadir S; Kaufman SL; et al, Cardiovasc Intervent Radiol 1989; **12:** 7
osteoid osteoma of the spine: radiological aspects and value of arteriography, Crouzet G; Mnif J; Vasdev A; et al, J Neuroradiol 1989; **16:** 145
selective spinal panangiography: use of a 4-F braided catheter with a soft-tip configuration, Volle E, Radiology 1991; **180:** 874
vascular metastatic lesions of the spine: preoperative embolization, Gellad FE; Sadato N; Numaguchi Y; Levine AM, Radiology 1990; **176:** 683
vertebral hemangiomas: fat content as a sign of aggressiveness, Laredo J-D; Assouline E; Gelbert F; Wybier M; Merland J-J; Tubiana J-M, Radiology 1990; **177:** 467

Spine, arthritis
case report 627, Rousselin B; Gires F; Vallée C; et al, Skeletal Radiol 1990; **19:** 453
chronic cervical cord compression: clinical significance of increased signal intensity on MR images, Takahashi M; Yamashita Y; Sakamoto Y; Kojima R, Radiology 1989; **173:** 219
diagnostic imaging of the occipito-cervical junction in patients with rheumatoid arthritis: plain films, computed tomography, magnetic resonance imaging, Fezoulidis I; Neuhold A; Wicke L; et al, Eur J Radiol 1989; **9:** 5
magnetic resonance imaging of the craniocervical junction in rheumatoid arthritis: value, limitations, indications, Einig M; Higer HP; Meairs S; et al, Skeletal Radiol 1990; **19:** 341
MRI of the cervical spine: rheumatoid arthritis compared with cervical spondylosis, Glew D; Watt I; Dieppe PA; et al, Clin Radiol 1991; **44:** 71
non-neoplastic lesions of vertebral bodies: findings in magnetic resonance imaging, Hayes CW; Jensen ME; Conway WF, Radiographics 1989; **9:** 883
treatment of the cervical spine in rheumatoid arthritis, (ab), Santavirta S; Slätis P; Kankaanpää U; et al, Radiology 1989; **170:** 587

Spine, biopsy
automated percutaneous biopsy in postoperative diskitis: a new method, Onik G, Shang Y; Maroon JC, AJNR 1990; **11:** 391
CT-guided percutaneous transpedicular biopsy of the spine, Renfrew DL; Whitten CG; Wiese JA; El-Khoury GY; Harris KG, Radiology 1991; **180:** 574
percutaneous aspiration biopsy in cervical spine lytic lesions: indications and technique, Tampieri D; Weill A; Melanson D; et al, Neuroradiol 1991; **33:** 43
percutaneous biopsies of the thoracic spine under CT guidance: transcostovertebral approach, Brugieres P; Gaston A; Heran F; et al, JCAT 1990; **14:** 446

Spine, collapse
avascular necrosis of the vertebral body: MR imaging, Naul LG; Peet GJ; Maupin WB, Radiology 1989; **172:** 219
spinal cord compression in type I Gaucher disease, Hermann G; Wagner LD; Gendal ES; Ragland RL; Ulin RI, Radiology 1989; **170:** 147
vertebral compression fractures: distinction between benign and malignant causes with MR imaging, Yuh WTC; Zachar CK; Barloon TJ; Sato Y; Sickels WJ; Hawes DR, Radiology 1989; **172:** 215

Spine, CT
acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875
acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875
association of vertebral end plate fracture with pediatric lumbar intervertebral disk herniation: value of CT and MR imaging, Banerian KG; Wang A-M; Samberg LC; Kerr HH; Wesolowski DP, Radiology 1990; **177:** 763
bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143
brucellar and tuberculous spondylitis: comparative imaging features, Sharif HS; Aideyan OA; Clark DC; Madkour MM; Aabed MY; Mattsson TA; Al-Deeb SM; Moutaery KR, Radiology 1989; **171:** 419
calcified synovial cyst of the cervical spine: CT and MR evaluation, Nijensohn E; Russell EJ; Milan M; et al, JCAT 1990; **14:** 473
cervical epidural hematomas: CT diagnosis of two cases that resolved spontaneously, Laissy J-P; Milon P; Freger P; et al, AJNR 1990; **11:** 394
cervical prevertebral fat stripe: a normal variant simulating prevertebral hemorrhage, Lewis CA; Castillo M; Hudgins PA, AJR 1990; **155:** 559
comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223
comparison of computerized tomography parameters of the cervical spine in normal control subjects and spinal cord-injured patients, (ab), Matsuura P; Waters RL; Adkins RH; et al, Radiology 1989; **173:** 294
comparison of myelography and computed tomography in establishing lumbar disc herniation, Fagerlund MKJ; Thelander UE, Acta Radiol 1989; **30:** 241
comparison of myelography, CT myelography and magnetic resonance imaging in cervical spondylosis and disk herniation: pre- and postoperative findings, Larsson E-M; Holtås S; Cronqvist S; et al, Acta Radiol 1989; **30:** 233
computed tomographic assessment of vertebral bone mineral in childhood, Fredericks BJ; de Campo JF; Sephton R; et al, Skeletal Radiol 1990; **19:** 99
computed tomography of a post traumatic spinal archnoid cyst, Agustin JJT; Martinench EG; Corretger FC; et al, Neuroradiol 1989; **31:** 354
CT and MR appearance of cervical acrylic struts, Kricun R; Chovanes GI; Shoemaker EI, JCAT 1991; **15:** 519
CT and MR of lateral disc herniation: typical appearance and pitfalls of interpretation, Winter DDB; Munk PL; Helms CA; et al, J Canad Assoc Radiol 1989; **40:** 256
CT and myelogram findings of os odontoideum, Teng MMH; Shoung H-M; Chang C-Y; et al, Comput Med Imag Graph 1989; **13:** 179
CT demonstration of spinal epidural emphysema after strenuous exercise, Yoshimura T; Takeo G; Souda M; et al, JCAT 1990; **14:** 303
CT demonstration of spinal epidural emphysema complicating bronchial asthma and violent coughing, Tsuji H; Takazakura E; Terada Y; et al, JCAT 1989; **13:** 38
CT five years after myelographic diagnosis of lumbar disk herniation, Hurme M; Katevuo K; Nykvist F; et al, Acta Radiol 1991; **32:** 286
CT of the spine: are plain spine radiographs necessary?, Tress BM; Hare WSC, Clin Radiol 1990; **41:** 317
CT recognition of spinal epidural air after pelvic trauma, Chimon JL; Cantos EL, JCAT 1990; **14:** 795
degenerative disease of the lumbar spine: role of CT-myelography in the MR era, Goldberg AL; Soo MSC; Deeb ZL; et al, Clin Imag 1991; **15:** 47
differentiation between postoperative scar and recurrent disk herniation: prospective comparison of MR, CT, and contrast-enhanced CT, Sotiropoulos S; Chafetz NI; Lang P; et al, AJNR 1989; **10:** 639
discovertebral destruction in ankylosing spondylitis: the role of computed tomography and magnetic resonance imaging, Kenny JB; Hughes PL; Whitehouse GH, Br J Radiol 1990; **63:** 448
distinguishing between scar and recurrent herniated disk in postoperative patients: value of contrast-enhanced CT and MR imaging, Bundschuh CV; Stein L; Slusser JH; et al, AJNR 1990; **11:** 949
effect of axial loading on neural foramina and nerve roots in the lumbar spine, Nowicki BH; Yu S; Reinartz J; Pintar F; Yoganandan N; Haughton VM, Radiology 1990; **176:** 433
effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669
extraforaminal lumbar disc herniations: CT demonstration of Sharpey's fibers avulsion, Bonneville JF; Runge M; Cattin F; et al, Neuroradiol 1989; **31:** 71
giant central disc prolapse: a pitfall in computed tomographic diagnosis, Buirski G, Br J Radiol 1989; **62:** 274
identifiable causes for poor outcome in surgery for cervical spondylosis: post-operative computed myelography and MR imaging, Clifton AG; Stevens JM; Whitear P; et al, Neuroradiol 1990; **32:** 450
imaging of sacrococcygeal germ cell tumors, Wells RG; Sty JR, Radiographics 1990; **10:** 701
imaging of the absent cervical pedicle, Edwards MG; Wesolowski D; Matasar K, Skeletal Radiol 1991; **20:** 325
incidence of unfused ossicles in the lumbar facet joints: CT, MR, and cryomicrotomy study, Wang ZL; Yu S; Sether LA; et al, JCAT 1989; **13:** 594
intravertebral fat measurement with quantitative CT in patients with Cushing disease and anorexia nervosa, Mayo-Smith W; Rosenthal DI; Goodsitt MM; Klibanski A, Radiology 1989; **170:** 835
local differences in mineral content in vertebral trabecular bone measured by dual-energy computed tomography, Nepper-Rasmussen J; Mosekilde L, Acta Radiol 1989; **30:** 369
lumbar disc degeneration: correlation between CT and CT/discography, Tervonen O; Lähde S; Rydberg J, Acta Radiol 1990; **31:** 551
MR and CT evaluation of intraspinal chondrosarcoma, Judd J; Awwad EE; Smith KR Jr, Comput Med Imag Graph 1990; **14:** 213
post-traumatic spinal synovial cyst with spondylolysis: CT features, Awwad EE; Sundaram M; Bucholz RD, JCAT 1989; **13:** 334
protocol-driven radiologic evaluation of suspected cervical spine injury: efficacy study, Mirvis SE; Diaconis JN; Chirico PA; Reiner BI; Joslyn JN; Militello P, Radiology 1989; **170:** 831
quantitative CT of the spine: significance of intervertebral body variability, Thickman D; Nodine C; Iddenden D, Invest Radiol 1990; **25:** 19
recurrent postoperative sciatica: evaluation with MR imaging and enhanced CT, Frocrain L; Duvauferrier R; Husson J-L; Noël J; Ramée A; Pawlotsky Y, Radiology 1989; **170:** 531
retrorenal colon: implications for percutaneous diskectomy, Helms CA; Munk PL; Witt WS; Davis GW; Morris J; Onik G, Radiology 1989; **171:** 854
risk of vertebral insufficiency fractures in relation to compressive strength predicted by quantitative computed tomography, Biggemann M; Hilweg D; Seidel S; et al, Eur J Radiol 1991; **13:** 6
size of lumbar disc hernias measured using computed tomography and related to sciatic symptoms, Fagerlund MKJ; Thelander U; Friberg S, Acta Radiol 1990; **31:** 555
spinal bone mineral density measured with quantitative CT: effect of region of interest, vertebral level, and technique, Steiger P; Block JE; Steiger S; Heuck AF; Friedlander A; Ettinger B; Harris ST; Glüer C-C; Genant HK, Radiology 1990; **175:** 537
spinal brucellosis: a case with "cauliflower" appearance on CT, Demirci M; Tan E; Durguner M; et al, Neuroradiol 1989; **31:** 282
thoracic outlet syndrome: evaluation with CT, Bilbey JH; Müller NL; Connell DG; Luoma AA; Nelems B, Radiology 1989; **171:** 381
three-dimensional CT imaging in postsurgical "failed back" syndrome, Zinreich SJ; Long DM; Davis R; et al, JCAT 1990; **14:** 574
ultra low field magnetic resonance imaging and computed tomography in the diagnosis of lumbar disc disease, Fagerlund MKJ; Ekelund L, Acta Radiol 1989; **30:** 349

vertebral arch destruction in tuberculosis: CT features, Lin-Greenberg A; Cholankeril J, JCAT 1990; **14:** 300

vertebral body trabecular density at the thoracolumbar junction using quantitative computed tomography: a post-mortem study, Singer KP; Breidahl PD, Acta Radiol 1990; **31:** 37

vertebral bone density in children: effect of puberty, van Kuijk C, Radiology 1989; **170:** 895

vertebral bone density in children: effect of puberty: reply, Gilsanz V, Radiology 1989; **170:** 895

vertebral density distribution pattern: CT classification of patients undergoing maintenance hemodialysis, Ito M; Hayashi K; Ito M, Radiology 1991; **180:** 253

vertebral hemangiomas: fat content as a sign of aggressiveness, Laredo J-D; Assouline E; Gelbert F; Wybier M; Merland J-J; Tubiana J-M, Radiology 1990; **177:** 467

widespread inflammatory response to osteoblastoma: the flare phenomenon, Crim JR; Mirra JM; Eckardt JJ; Seeger LL, Radiology 1990; **177:** 835

Spine, curvature

common causes of low back pain in children, Afshani E; Kuhn JP, Radiographics 1991; **11:** 269

comparison of radiographic and computer-assisted measurements of thoracic and thoracolumbar sagittal curvature, Singer KP; Jones TJ; Breidahl PD; et al, Skeletal Radiol 1990; **19:** 21

congenital kyphosis due to absence of two lumbar vertebral bodies, Broekman BAMW; Dorr JPJ, JCU 1991; **19:** 303

low dose imaging of scoliosis: use of a computed radiographic imaging system, Kogutt MS; Warren FH; Kalmar JA, Pediatr Radiol 1989; **20:** 85

measurement of the Cobb angle on radiographs of patients who have scoliosis: evaluation of intrinsic error, (ab), Morrissy RT; Goldsmith GS; Hall EC; et al, Radiology 1990; **176:** 885

psoas sign in normal subjects without bowel preparation: the influence of scoliosis on visualisation, Bloom RA; Gheorghiu D; Verstandig A; et al, Clin Radiol 1990; **41:** 204

Spine, cysts

calcified synovial cyst of the cervical spine: CT and MR evaluation, Nijensohn E; Russell EJ; Milan M; et al, JCAT 1990; **14:** 473

case report 524, Truwit CL; Harle TS, Skeletal Radiol 1989; **18:** 75

craniospinal enterogenous cyst: MR findings, Kak VK; Gupta RK; Sharma BS; et al, JCAT 1990; **14:** 470

L5 radicular pain related to lumbar extradural gas-containing pseudocyst: role of CT-guided aspiration, Bosser V; Dietemann JL; Warter JM; et al, Neuroradiol 1990; **31:** 552

MR imaging of lumbar juxtaarticular cysts, Awwad EE; Martin DS; Smith KR Jr; et al, JCAT 1990; **14:** 415

post-traumatic spinal synovial cyst with spondylolysis: CT features, Awwad EE; Sundaram M; Bucholz RD, JCAT 1989; **13:** 334

spinal intradural hydatid cyst in a child, Akhan O; Dinçer A; Saatçi I; et al, Br J Radiol 1991; **64:** 465

synovial cyst of the midthoracic spine, Awwad EE; Martin DS; Bucholz RD; et al, AJNR 1991; **12:** 562

synovial cysts of the lumbosacral spine: diagnosis by MR imaging, Liu SS; Williams KD; Drayer BP; et al, AJNR 1989; **10:** 1239

Spine, diseases

amyloidosis of the spine in a patient on long-term hemodialysis, Welk LA; Quint DJ, Neuroradiol 1990; **32:** 334

bone and bone marrow changes in Gaucher disease: evaluation with quantitative CT, Rosenthal DI; Mayo-Smith W; Goodsitt MM; Doppelt S; Mankin HJ, Radiology 1989; **170:** 143

bone marrow disorders: characterization with quantitative MR imaging, Smith SR; Williams CE; Davies JM; Edwards RHT, Radiology 1989; **172:** 805

cervical disk disease, Russell EJ, Radiology 1990; **177:** 313

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

common causes of low back pain in children, Afshani E; Kuhn JP, Radiographics 1991; **11:** 269

general case of the day, Miron M-C; Dussault RG; Robillard P, Radiographics 1990; **10:** 735

hemispherical spondylosclerosis: MR appearance, Jensen ME; Hayes CW; DeBlois GG; et al, JCAT 1989; **13:** 540

low-back pain and disk degeneration in children: a case-control MR imaging study, Tertti MO; Salminen JJ; Paajanen HEK; Terho PH; Kormano MJ, Radiology 1991; **180:** 503

Spine, dislocation

congenital spondylolisthesis of the 6th cervical vertebra: CT findings, Black KS; Gorey MT; Seideman B; et al, JCAT 1991; **15:** 335

degenerative spondylolisthesis, synovial cyst of the zygapophyseal joints, and sciatic syndrome: report of two cases and review of the literature, (ab), Reust P; Wendling D; Lagier R; et al, Radiology 1989; **170:** 588

isthmic lumbar spondylolisthesis with sciatica: MR imaging vs myelography, Annertz M; Holtås S; Cronqvist S; et al, Acta Radiol 1990; **31:** 449

roentgenologic assessment of spondylolisthesis: II. an evaluation of progression, Danielson B; Frennered K; Selvik G; et al, Acta Radiol 1989; **30:** 65

specific pattern of ruptured annulus fibrosus in lumbar degenerative spondylolisthesis, Ito S; Yamada Y; Tuboi S; et al, Neuroradiol 1990; **32:** 460

stress views in the comparative assessment of spondylolytic spondylolisthesis, Kälebo P; Kadziolka R; Swärd L; et al, Skeletal Radiol 1989; **17:** 570

Spine, facet joints

age-related changes in the cervical facet joints: studies with cryomicrotomy, MR, and CT, Fletcher G; Haughton VM; Ho K-C; et al, AJNR 1990; **11:** 27

age-related changes in the cervical facet joints: studies with cryomicrotomy, MR and CT, Fletcher G; Haughton VM; Ho K-C; et al, AJR 1990; **154:** 817

cervical analgesic facet joint arthrography, Hove B; Gyldensted C, Neuroradiol 1990; **32:** 456

facet joint arthrography in lumbar spondylolysis: anatomic basis for spread of contrast medium, McCormick CC; Taylor JR; Twomey LT, Radiology 1989; **171:** 193

imaging of the facet joints, Dussault RG; Lander PH, Radiol Clin North Am 1990; **28:** 1033

incidence of unfused ossicles in the lumbar facet joints: CT, MR, and cryomicrotomy study, Wang ZL; Yu S; Sether LA; et al, JCAT 1989; **13:** 594

intraspinal synovial cysts: MR imaging, Jackson DE Jr; Atlas SW; Mani JR; Norman D, Radiology 1989; **170:** 527

lumbar facet joint capsule: appearance at MR imaging and CT, Xu GL; Haughton VM; Carrera GF, Radiology 1990; **177:** 415

lumbar facet joint fat pads: their normal anatomy and their appearance when enlarged, Taylor JR; McCormick CC, Neuroradiol 1991; **33:** 38

lumbar synovial cysts: correlation of myelographic, CT, MR, and pathologic findings, Silbergleit R; Gebarski SS; Brunberg JA; et al, AJNR 1990; **11:** 777

septic arthritis of a lumbar facet joint: detection with bone SPECT imaging, Swayne LC; Dorsky S; Caruana V; et al, J Nucl Med 1989; **30:** 1408

Spine, fractures

association of vertebral end plate fracture with pediatric lumbar intervertebral disk herniation: value of CT and MR imaging, Banerian KG; Wang A-M; Samberg LC; Kerr HH; Wesolowski DP, Radiology 1990; **177:** 763

benign versus pathologic compression fractures of vertebral bodies: assessment with conventional spin-echo, chemical-shift, and STIR MR imaging, Baker LL; Goodman SB; Perkash I; Lane B; Enzmann DR, Radiology 1990; **174:** 495

bilateral pedicle stress fractures: SPECT and CT features, Traughber PD; Havlina JM Jr, JCAT 1991; **15:** 338

biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography, Hayes WC; Piazza SJ; Zysset PK, Radiol Clin North Am 1991; **29:** 1

case report 688, Baker BK; Sundaram M; Awwad EE, Skeletal Radiol 1991; **20:** 463

cervical spine fractures sustained by young children in forward-facing car seats, (ab), Fuchs S; Barthel MJ; Flannery AM; et al, Radiology 1990; **174:** 296

comparison of magnetic resonance imaging and radionuclide bone imaging of vertebral fractures, Wiener SN; Neumann DR; Rzeszotarski MS, Clin Nucl Med 1990; **14:** 666

comparison of single and multi-site BMC measurements for assessment of spine fracture probability, Wasnich RD; Ross PD; Davis JW; et al, J Nucl Med 1989; **30:** 1166

eddy-current-induced artifacts caused by an "MR-compatible" halo device, Malko JA; Hoffman JC Jr; Jarrett PJ, Radiology 1989; **173:** 563

eddy-current-induced artifacts caused by an "MR-compatible" halo device, Shellock FG; Slimp G, Radiology 1990; **175:** 586

eddy-current-induced artifacts caused by an "MR-compatible" halo device: reply, Malko JA, Radiology 1990; **175:** 586

effect of bone distribution on vertebral strength: assessment with patient-specific nonlinear finite element analysis, Faulkner KG; Cann CE; Hasegawa BH, Radiology 1991; **179:** 669

facet joint arthrography in lumbar spondylolysis: anatomic basis for spread of contrast medium, McCormick CC; Taylor JR; Twomey LT, Radiology 1989; **171:** 193

lifetime risk of hip, Colles', or vertebral fracture and coronary heart disease among white postmenopausal women, (ab), Cummings SR; Black DM; Rubin SM, Radiology 1990; **175:** 592

MR recognition of posterior lumbar vertebral ring fracture, Rothfus WE; Goldberg AL; Deeb ZL; et al, JCAT 1990; **14:** 790

non-neoplastic lesions of vertebral bodies: findings in magnetic resonance imaging, Hayes CW; Jensen ME; Conway WF, Radiographics 1989; **9:** 883

risk of vertebral insufficiency fractures in relation to compressive strength predicted by quantitative computed tomography, Biggemann M; Hilweg D; Seidel S; et al, Eur J Radiol 1991; **13:** 6

spinal compression fractures demonstrated on renal scan, Kilkenny TE; Strauss EB; Rhodes C, Clin Nucl Med 1990; **15:** 205

superior mediastinal widening from spine fractures mimicking aortic rupture on chest radiographs, Dennis LN; Rogers LF, AJR 1989; **152:** 27

transverse posterior element fractures associated with torsion, Abel MS, Skeletal Radiol 1989; **17:** 556

traumatic avulsion fracture of the occipital condyles and clivus with associated unilateral atlantooccipital distraction, Jones DN; Knox AM; Sage MR, AJNR 1990; **11:** 1181

type III dens fracture and its associated soft-tissue injuries: a different form of hangman's fracture, Renwick IGH, Br J Radiol 1990; **63:** 495

vertebral compression fractures: distinction between benign and malignant causes with MR imaging, Yuh WTC; Zachar CK; Barloon TJ; Sato Y; Sickels WJ; Hawes DR, Radiology 1989; **172:** 215

Spine, hemorrhage

cervical epidural hematomas: CT diagnosis of two cases that resolved spontaneously, Laissy J-P; Milon P; Freger P; et al, AJNR 1990; **11:** 394

gadolinium-DTPA-enhanced MR imaging in the diagnosis of spinal epidural haematoma: report of a case, Crisi G; Sorgato P; Colombo A; et al, Neuroradiol 1990; **32:** 64

MR demonstration of spontaneous acute epidural hematoma of the thoracic spine, Avrahami E; Tadmor R; Ram Z; et al, Neuroradiol 1989; **31:** 89

traumatic epidural hematoma of the cervical spine: diagnosis with magnetic resonance imaging—case report, (ab), Pan G; Kulkarni M; MacDougall DJ; et al, Radiology 1989; **170:** 589

Spine, infection

brucellar and tuberculous spondylitis: comparative imaging features, Sharif HS; Aideyan OA; Clark DC; Madkour MM; Aabed MY; Mattsson TA; Al-Deeb SM; Moutaery KR, Radiology 1989; **171:** 419

common causes of low back pain in children, Afshani E; Kuhn JP, Radiographics 1991; **11:** 269

gadolinium-enhanced MR in spinal infection, Post MJD; Sze G; Quencer RM; et al, JCAT 1990; **14:** 721

granulomatous spinal infections: MR imaging, Sharif HS; Clark DC; Aabed MY; Haddad MC; Al Deeb SM; Yaqub B; Al Moutaery KR, Radiology 1990; **177:** 101

MR imaging characteristics of tuberculous spondylitis vs vertebral osteomyelitis, Smith AS; Weinstein MA; Mizushima A; et al, AJNR 1989; **10:** 619

MRI of disc space infection in infants and children: report of 12 cases, du Lac P; Panuel M; Devred P; et al, Pediatr Radiol 1990; **20:** 175

non-neoplastic lesions of vertebral bodies: findings in magnetic resonance imaging, Hayes CW; Jensen ME; Conway WF, Radiographics 1989; **9:** 883

osteomyelitis: diagnosis with In-111-labeled leukocytes, Schauwecker DS, Radiology 1989; **171:** 141

phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; **1:** 47

pyogenic vertebral osteomyelitis of the posterior elements, Ehara S; Khurana JS; Kattapuram SV, Skeletal Radiol 1989; **18:** 175

residents' corner: answer to case of the month #3: pyrogenic discitis, Torbiak R; Pugash R, J Canad Assoc Radiol 1990; **41:** 49

Spine, inflammation

See Spondylitis

Spine, injuries

absent cord sign in acute spinal trauma, Deeb ZL; Rothfus WE; Goldberg AL; et al, Clin Imag 1990; **14:** 138

acute cervical spine trauma: correlation of MR imaging findings with degree of neurologic deficit, Flanders AE; Schaefer DM; Doan HT; Mishkin MM; Gonzalez CF; Northrup BE, Radiology 1990; **177:** 25

acute cervical trauma: correlation of MR imaging findings with neurologic deficit, Schweitzer ME; Cervilla V; Resnick D, Radiology 1991; **179:** 287

acute cervical trauma: correlation of MR imaging findings with neurologic deficit: reply, Flanders AE, Radiology 1991; **179:** 287

avulsion of the cervical spinal ring apophyses: acute and chronic appearance, Jonsson K; Niklasson J; Josefsson PO, Skeletal Radiol 1991; **20:** 207

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; **180:** 245

cervical spine trauma, (ab), Berquist TH, Radiology 1991; **178:** 591

common causes of low back pain in children, Afshani E; Kuhn JP, Radiographics 1991; **11:** 269

compatibility of cervical spine braces with MR imaging: a study of nine nonferrous devices, Clayman DA; Murakami ME; Vines FS, AJNR 1990; **11:** 385

computed tomography demonstration of subarachnoid–pleural fistula, Hicken P; Martin J; Hakanson S, J Canad Assoc Radiol 1990; **41:** 222

CT and MR appearance of cervical acrylic struts, Kricun R; Chovanes GI; Shoemaker EI, JCAT 1991; **15:** 519

denominators of spinal cord injury, Hackney DB, Radiology 1990; **177:** 18

diagnostic imaging of spinal trauma, Murphey MD; Batnitzky S; Bramble JM, Radiol Clin North Am 1989; **27:** 855

hyperextension injuries of the cervical spine: magnetic resonance findings, Goldberg AL; Rothfus WE; Deeb ZL; et al, Skeletal Radiol 1989; **18:** 283

imaging evaluation of children after falls from a height: review of 45 cases, Roshkow JE; Haller JO; Hotson GC; Sclafani SJA; Mezzacappa PM; Rachlin S, Radiology 1990; **175:** 359

imaging of acute spinal trauma: an evolving multi-modality approach, Goldberg AL; Daffner RH; Schapiro RL, Clin Imag 1990; **14:** 11

laminar space in the diagnosis of rotational flexion injuries of the cervical spine, Young JWR; Resnik CS; DeCandido P; et al, AJR 1989; **152:** 103

low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Bellah RD; Summerville DA; Treves ST; Micheli LJ, Radiology 1991; **180:** 509

magnetic resonance imaging of spinal trauma, Kerslake RW; Jaspan T; Worthington BS, Br J Radiol 1991; **64:** 386

posttraumatic lumbar intraspinal extradural-intradural ossification, Kinnunen J; Laasonen EM, Neuroradiol 1990; **32:** 160

protocol-driven radiologic evaluation of suspected cervical spine injury: efficacy study, Mirvis SE; Diaconis JN; Chirico PA; Reiner BI; Joslyn JN; Militello P, Radiology 1989; **170:** 831

radio-functional analysis of the cervical spine using the Arlen method: part three: post-traumatic syndromes. a statistical analysis of 480 subjects, Kraemer M; Patris A, J Neuroradiol 1990; **17:** 125

radiographic findings of degeneration in cervical spines of middle-aged soccer players, Kurosawa H; Yamanoi T; Yamakoshi K-i, Skeletal Radiol 1991; **20:** 437

radiologic assessment of post-traumatic vertebral stability, Daffner RH; Deeb ZL; Goldberg AL; et al, Skeletal Radiol 1990; **19:** 103

radiology of the cervical spine in trauma patients: practice pitfalls and recommendations for improving efficiency and communication, Vandemark RM, AJR 1990; **155:** 465

spinal trauma, Pathria MN; Petersilge CA, Radiol Clin North Am 1991; **29:** 847

thoracic and lumbar spine trauma, Kaye JJ; Nance EP Jr, Radiol Clin North Am 1990; **28:** 361

vertebral compression fractures: distinction between benign and malignant causes with MR imaging, Yuh WTC; Zachar CK; Barloon TJ; Sato Y; Sickels WJ; Hawes DR, Radiology 1989; **172:** 215

Spine, intervertebral disks

accuracy of ultrasonic evaluation of lumbar intervertebral discs by an anterior approach, Merx JL; Thijssen HOM; Meyer E; et al, Neuroradiol 1989; **31:** 386

anatomic basis of vertebrogenic pain and the autonomic syndrome associated with lumbar disk extrusion, Jinkins JR; Whittemore AR; Bradley WG, AJNR 1989; **10:** 219

association of vertebral end plate fracture with pediatric lumbar intervertebral disk herniation: value of CT and MR imaging, Banerian KG; Wang A-M; Samberg LC; Kerr HH; Wesolowski DP, Radiology 1990; **177:** 763

automated percutaneous biopsy in postoperative diskitis: a new method, Onik G; Shang Y; Maroon JC, AJNR 1990; **11:** 391

automated percutaneous lumbar discectomy, Helms CA; Onik G; Davis GW, Skeletal Radiol 1989; **18:** 579

automated percutaneous lumbar diskectomy, Onik G; Helms CA, AJR 1991; **156:** 531

bone scintigraphy in calcific discitis of childhood, Delpassand ES; Barron BJ; Gundzik JM, J Nucl Med 1990; **31:** 234

bright intervertebral disk: an indirect sign of abnormal spinal bone marrow on T1-weighted MR images, Castillo M; Malko JA; Hoffman JC Jr, AJNR 1990; **11:** 23

calcification of the nucleus pulposus with pathologic confirmation in a premature infant, Ho PSP; Ho K-C; Yu S; et al, AJNR 1989; **10:** 201

calcific discitis: MRI changes in discs without visible calcification, Swischuk LE; Stansberry SD, Pediatr Radiol 1991; **21:** 365

canine intervertebral disks: correlation of anatomy and MR imaging, Sether LA; Nguyen C; Yu S; Haughton VM; Ho K-C; Biller DS; Strandt JA; Eurell JC, Radiology 1990; **175:** 207

case report 567, Flak B; Li DKB; Knickerbocker WJ, Skeletal Radiol 1989; **18:** 481

cervical disk disease, Russell EJ, Radiology 1990; **177:** 313

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; **180:** 245

cervical stenosis, spondylosis, and herniated disc disease, Jahnke RW; Hart BL, Radiol Clin North Am 1991; **29:** 777

changes in MR signal intensity of the intervertebral disk, Blumberg ML; Ostrum BJ; Ostrum DM, Radiology 1991; **179:** 584

chronic cervical cord compression: clinical significance of increased signal intensity on MR images, Takahashi M; Yamashita Y; Sakamoto Y; Kojima R, Radiology 1989; **173:** 219

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

comparison of MR and diskography in detecting radial tears of the anulus: a postmortem study, Yu S; Haughton VM; Sether LA; et al, AJNR 1989; **10:** 1077

comparison of myelography and computed tomography in establishing lumbar disc herniation, Fagerlund MKJ; Thelander UE, Acta Radiol 1989; **30:** 241

comparison of myelography, CT myelography and magnetic resonance imaging in cervical spondylosis and disk herniation: pre- and postoperative findings, Larsson E-M; Holtås S; Cronqvist S; et al, Acta Radiol 1989; **30:** 233

contribution of discography to the diagnosis and treatment of lumbar disc herniation, Tournade A; Patay Z; Tajahmady T; et al, J Neuroradiol 1991; **18:** 1

criteria for classifying normal and degenerated lumbar intervertebral disks, Yu S; Haughton VM; Sether LA; Ho K-C; Wagner M, Radiology 1989; **170:** 523

CT and MR of lateral disc herniation: typical appearance and pitfalls of interpretation, Winter DDB; Munk PL; Helms CA; et al, J Canad Assoc Radiol 1989; **40:** 256

CT five years after myelographic diagnosis of lumbar disk herniation, Hurme M; Katevuo K; Nykvist F; et al, Acta Radiol 1991; **32:** 286

CT, myelography, and phlebography in the detection of lumbar disk herniation: an analysis of the literature, Kardaun JWPF; Schipper J; Braakman R, AJNR 1989; **10:** 1111

CT myelography of a fragment of a lumbar disk sequestered posterior to the thecal sac, Lutz JD; Smith RR; Jones HM, AJNR 1990; **11:** 610

degenerative disease of the lumbar spine: role of CT-myelography in the MR era, Goldberg AL; Soo MSC; Deeb ZL; et al, Clin Imag 1991; **15:** 47

degenerative lumbar spine disorders in gradient refocused echo axial magnetic resonance images, Murayama S; Numaguchi Y; Robinson AE, Clin Imag 1990; **14:** 198

diagnosis of herniated intervertebral disks with MR imaging: a comparison of gradient-refocused-echo and spin-echo pulse sequences, Murayama S; Numaguchi Y; Robinson AE, AJNR 1990; **11:** 17

differentiation between postoperative scar and recurrent disk herniation: prospective comparison of MR, CT, and contrast-enhanced CT, Sotiropoulos S; Chafetz NI; Lang P; et al, AJNR 1989; **10:** 639

disc degeneration in Scheuermann disease, Paajanen H; Alanen A; Erkintalo M; et al, Skeletal Radiol 1989; **18:** 523

discovertebral destruction in ankylosing spondylitis: the role of computed tomography and magnetic resonance imaging, Kenny JB; Hughes PL; Whitehouse GH, Br J Radiol 1990; **63:** 448

disk fragment migration, Schellinger D; Manz HJ; Vidic B; Patronas NJ; Deveikis JP; Muraki AS; Abdullah DC, Radiology 1990; **175:** 831

distinguishing between scar and recurrent herniated disk in postoperative patients: value of contrast-enhanced CT and MR imaging, Bundschuh CV; Stein L; Slusser JH; et al, AJNR 1990; **11:** 949

effect of axial loading on neural foramina and nerve roots in the lumbar spine, Nowicki BH; Yu S; Reinartz J; Pintar F; Yoganandan N; Haughton VM, Radiology 1990; **176:** 433

effect of experimental root sheath compression on dura, Haughton VM; Nguyen CM; Ho K-C, Invest Radiol 1989; **24:** 204

experimental model to study contrast enhancement in MR imaging of the intervertebral disk, Nguyen CM; Ho K-C; Yu S; et al, AJNR 1989; **10:** 811

extraforaminal lumbar disc herniations: CT demonstration of Sharpey's fibers avulsion, Bonneville JF; Runge M; Cattin F; et al, Neuroradiol 1989; **31:** 71

far-lateral disk herniation: treatment by automated percutaneous diskectomy, Onik G; Maroon JC; Shang Y, AJNR 1990; **11:** 865

fibrous structure in the intervertebral disk: correlation of MR appearance with anatomic sections, Yu S; Haughton VM; Lynch KL; et al, AJNR 1989; **10:** 1105

foraminal herniation of a thoracic calcified nucleus pulposus, Bauduin E; Flandroy P; Jodaitis A; et al, Neuroradiol 1989; **31:** 287

free sequestered disc herniation at the S2 level misdiagnosed as neuroma, Witzmann A; Hammer B; Fischer J, Neuroradiol 1991; **33:** 92

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

Gd-DTPA-enhanced MR in thoracic disc herniations, Parizel PM; Rodesch G; Balériaux D; et al, Neuroradiol 1989; **31:** 75

giant central disc prolapse: a pitfall in computed tomographic diagnosis, Buirski G, Br J Radiol 1989; **62:** 274

intervertebral disk: normal age-related changes in MR signal intensity, Modic MT; Herfkens RJ, Radiology 1990; **177:** 332

intervertebral disk: normal age-related changes in MR signal intensity: reply, Haughton VM, Radiology 1990; **177:** 333

intervertebral disk: normal age-related changes in MR signal intensity, Sether LA; Yu S; Haughton VM; Fischer ME, Radiology 1990; **177:** 385

low-back pain and disk degeneration in children: a case-control MR imaging study, Tertti MO; Salminen JJ; Paajanen HEK; Terho PH; Kormano MJ, Radiology 1991; **180:** 503

lumbar disc degeneration: correlation between CT and CT/discography, Tervonen O; Lähde S; Rydberg J, Acta Radiol 1990; **31:** 551

lumbar disc disease and stenosis, Gaskill MF; Lukin R; Wiot JG, Radiol Clin North Am 1991; **29:** 753

lumbar disk degeneration in spinal dysraphism, de Bakker HM; Roos RAC; Voormolen JHC; et al, AJNR 1990; **11:** 415

lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, Montalvo BM; Quencer RM; Brown MD; et al, AJNR 1990; **11:** 31

lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, Montalvo BM; Quencer RM; Brown MD; et al, AJR 1990; **154:** 821

magnetic resonance assessment of the postoperative spine: degenerative disc disease, Ross JS, Radiol Clin North Am 1991; **29:** 793

magnetic resonance demonstration of hyperintense herniated discs and extruded disc fragments, Glickstein MF; Burke DL Jr; Kressel HY, Skeletal Radiol 1989; **18:** 527

model for studying intervertebral disc degeneration with magnetic resonance and a nucleotome, Nguyen CM; Haughton VM; Ho K-C; et al, Invest Radiol 1989; **24:** 407

morphology, symptoms, and causality, Modic MT; Ross JS, Radiology 1990; **175:** 619

MRI in cervical disk herniation, Nakstad PH; Hald JK; Bakke SJ; et al, Neuroradiol 1989; **31:** 382

MR imaging of foraminal and extraforaminal lumbar disk herniations, Grenier N; Gréselle J-F; Douws C; et al, JCAT 1990; **14:** 243

MRI of disc space infection in infants and children: report of 12 cases, du Lac P; Panuel M; Devred P; et al, Pediatr Radiol 1990; **20:** 175

MR of childhood calcified herniated cervical disk with spontaneous resorption, Lester JW Jr; Miller WA; Carter MP; et al, AJNR 1989; **10:** S48

neural foramen remodeling caused by a sequestered disk fragment, Castillo M, AJNR 1991; **12:** 566

new device for CT-targeted percutaneous punctures, Ozdoba C; Voigt K; Nüsslin F, Radiology 1991; **180:** 576

normal and degenerated intervertebral disk: in vivo and in vitro MR imaging with histopathologic correlation, Schiebler ML; Grenier N; Fallon M; et al, AJR 1991; **157:** 93

normal and disrupted lumbar longitudinal ligaments: correlative MR and anatomic study, Grenier N; Greselle J-F; Vital J-M; Kien P; Baulny D; Broussin J; Senegas J; Caille J-M, Radiology 1989; **171:** 197

percutaneous automated lumbar nucleotomy, Gobin P; Theron J; Courtheoux F; et al, J Neuroradiol 1989; **16:** 203

posterior limbus vertebrae: a cause of radiating back pain in adolescents and young adults, Goldman AB; Ghelman B; Doherty J, Skeletal Radiol 1990; **19:** 501

postoperative discitis: radiology of progress and healing, Nielsen VAH; Iversen E; Ahlgren P, Acta Radiol 1990; **31:** 559

postoperative lumbar spine: contrast-enhanced chemical shift MR imaging, Bobman SA; Atlas SW; Listerud J; Grossman RI, Radiology 1991; **179:** 557

prevalence of lumbosacral intervertebral disk abnormalities on MR images in pregnant and asymptomatic nonpregnant women, Weinreb JC; Wolbarsht LB; Cohen JM; Brown CEL; Maravilla KR, Radiology 1989; **170:** 125

prolapsed thoracic intervertebral disc: the importance of CT assisted myelography, Bury RW; Powell T, Clin Radiol 1989; **40:** 416

quantitative CT of the spine: significance of intervertebral body variability, Thickman D; Nodine C; Iddenden D, Invest Radiol 1990; **25:** 19

residents' corner: answer to case of the month #3: pyrogenic discitis, Torbiak R; Pugash R, J Canad Assoc Radiol 1990; **41:** 49

retrorenal colon: implications for percutaneous diskectomy, Helms CA; Munk PL; Witt WS; Davis GW; Morris J; Onik G, Radiology 1989; **171:** 864

role of discography in lumbar disc disease: a comparative study of magnetic resonance imaging and discography, Collins CD; Stack JP; O'Connell DJ; et al, Clin Radiol 1990; **42:** 252

significance of thoracic disc herniation demonstrated by MR imaging, Williams MP; Cherryman GR; Husband JE, JCAT 1989; **13:** 211

size of lumbar disc hernias measured using computed tomography and related to sciatic symptoms, Fagerlund MKJ; Thelander U; Friberg S, Acta Radiol 1990; **31:** 555

spinal cord compression due to ossification of ligaments: MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Yoshizumi K; Oguni T; Kojima R, Radiology 1990; **175:** 843

spinal vacuum phenomenon: evaluation by gradient echo MR imaging, Berns DH; Ross JS; Kormos D; et al, JCAT 1991; **15:** 233

synergy of chymopapain and diatrizoate studied in an experimental model, Haughton VM; Ho K-C; Nguyen CM, Radiology 1989; **171:** 469

tears of the anulus fibrosus: assessment with Gd-DTPA-enhanced MR imaging, Ross JS; Modic MT; Masaryk TJ, AJR 1990; **154:** 159

thoracic disc disease and stenosis, Rosenbloom SA, Radiol Clin North Am 1991; **29:** 765

treatment of herniated lumbar disc by percutaneous nucleotomy with aspiration: preliminary results in 70 cases, Blanc C; Meyer A; Tang YS; et al, J Neuroradiol 1990; **17:** 182

trigeminal sensory neuropathy caused by cervical disk herniation, Barakos JA; D'Amour PG; Dillon WP; et al, AJNR 1990; **11:** 609

ultra low field magnetic resonance imaging and computed tomography in the diagnosis of lumbar disc disease, Fagerlund MKJ; Ekelund L, Acta Radiol 1989; **30:** 349

vascular injury complicating lumbar diskectomy: CT diagnosis, Kelly JJ; Reuter KL; Waite RJ, AJR 1989; **153:** 1233

Spine, mineralization

accuracy of vertebral mineral determination by dual-energy quantitative computed tomography, Reinbold W-D; Adler CP; Kalender WA; et al, Skeletal Radiol 1991; **20:** 25

axial bone density in rheumatoid arthritis: comparison of dual-energy projection radiography and dual-photon absorptiometry, O'Malley M; Kenrick AJ; Sartoris DJ; Hochberg AM; Weisman MH; Ramos E; Zvaifler N; Resnick D, Radiology 1989; **170:** 501

bone mass in healthy children: measurement with quantitative DXA, Southard RN; Morris JD; Mahan CD; Hayes JR; Torch MA; Sommer A; Zipf WB, Radiology 1991; **179:** 735

computed tomographic assessment of vertebral bone mineral in childhood, Fredericks BJ; de Campo JF; Sephton R; et al, Skeletal Radiol 1990; **19:** 99

detection of thoracolumbar vertebral body destruction with lateral spine radiography: part I: investigation in cadavers, Haller J; André MP; Resnick D; et al, Invest Radiol 1990; **25:** 517

dual-energy radiographic absorptiometry of the lumbar spine: clinical experience with two different systems, Gundry CR; Miller CW; Ramos E; Moscona A; Stein JA; Mazess RB; Sartoris DJ; Resnick D, Radiology 1990; **174:** 539

dual-energy x-ray absorptiometry: a precise method of measuring bone mineral density in the lumbar spine, Hansen MA; Hassager C; Overgaard K; et al, J Nucl Med 1990; **31:** 1156

effect of aortic sclerosis on bone mineral measurements by dual-photon absorptiometry, Frohn J; Wilken T; Falk S; et al, J Nucl Med 1991; **32:** 259

intravertebral fat measurement with quantitative CT in patients with Cushing disease and anorexia nervosa, Mayo-Smith W; Rosenthal DI; Goodsitt MM; Klibanski A, Radiology 1989; **170:** 835

local differences in mineral content in vertebral trabecular bone measured by dual-energy computed tomography, Nepper-Rasmussen J; Mosekilde L, Acta Radiol 1989; **30:** 369

normal and abnormal features of the lumbar spine observed in dual photon absorptiometry scans, Hopkins A; Zylstra S; Hreshchyshyn MM; et al, Clin Nucl Med 1989; **14:** 410

normative data for lumbar spine bone mineral content in children: influence of age, height, weight, and pubertal stage, De Schepper J; Derde MP; Van den Broeck M; et al, J Nucl Med 1991; **32:** 216

radial and spinal bone mineral density in a patient population, (ab), Mazess RB; Barden HS; Ettinger M, Radiology 1989; **170:** 903

some factors which influence the evaluation of a dual photon measurement of lumbar spine bone mineral mass, Webber CE, J Canad Assoc Radiol 1989; **40:** 87

spinal bone mineral density measured with quantitative CT: effect of region of interest, vertebral level, and technique, Steiger P; Block JE; Steiger S; Heuck AF; Friedlander A; Ettinger B; Harris ST; Glüer C-C; Genant HK, Radiology 1990; **175:** 537

vertebral body trab.. ar density at the thoracolumbar junction using quantitative computed tomog.aphy: a post-mortem study, Singer KP; Breidahl PD, Acta Radiol 1990; **31:** 37

vertebral bone density in children: effect of puberty, van Kuijk C, Radiology 1989; **170:** 895

vertebral bone density in children: effect of puberty: reply, Gilsanz V, Radiology 1989; **170:** 895

vertebral bone density in Scheuermann disease, (ab), Gilsanz V; Gibbens DT; Carlson M; et al, Radiology 1990; **174:** 296

Spine, MR

abnormal magnetic resonance scans of the cervical spine in asymptomatic subjects: a prospective investigation, (ab), Boden SD; McCowin PR; Davis DO; et al, Radiology 1991; **179:** 296

abnormal magnetic-resonance scans of the lumbar spine in asymptomatic subjects: a prospective investigation, (ab), Boden SD; Davis DO; Dina TS; et al, Radiology 1990; **176:** 885

absent cord sign in acute spinal trauma, Deeb ZL; Rothfus WE; Goldberg AL; et al, Clin Imag 1990; **14:** 138

acute cervical spine trauma: correlation of MR imaging findings with degree of neurologic deficit, Flanders AE; Schaefer DM; Doan HT; Mishkin MM; Gonzalez CF; Northrup BE, Radiology 1990; **177:** 25

acute cervical trauma: correlation of MR imaging findings with neurologic deficit, Schweitzer ME; Cervilla V; Resnick D, Radiology 1991; **179:** 287

acute cervical trauma: correlation of MR imaging findings with neurologic deficit: reply, Flanders AE, Radiology 1991; **179:** 287

advances in spinal imaging, Kricun R; Kricun ME; Dalinka MK, Radiol Clin North Am 1990; **28:** 321

aneurysmal bone cyst of the spine in children. MRI imaging at 0.5 tesla, Caro PA; Mandell GA; Stanton RP, Pediatr Radiol 1991; **21:** 114

assessing response to therapy of spinal metastases with gadolinium-enhanced MR imaging, Sugimura K; Kajitani A; Okizuka H; Sugihara M; Mizutani M; Ishida T, JMRI 1991; **1:** 481

assessment of extradural degenerative disease with Gd-DTPA–enhanced MR imaging: correlation with surgical and pathologic findings, Ross JS; Modic MT; Masaryk TJ; et al, AJR 1990; **154:** 151

association of vertebral end plate fracture with pediatric lumbar intervertebral disk herniation: value of CT and MR imaging, Banerian KG; Wang A-M; Samberg LC; Kerr HH; Wesolowski DP, Radiology 1990; **177:** 763

avascular necrosis of the vertebral body: MR imaging, Naul LG; Peet GJ; Maupin WB, Radiology 1989; **172:** 219

benign versus pathologic compression fractures of vertebral bodies: assessment with conventional spin-echo, chemical-shift, and STIR MR imaging, Baker LL; Goodman SB; Perkash I; Lane B; Enzmann DR, Radiology 1990; **174:** 495

bone marrow disorders: characterization with quantitative MR imaging, Smith SR; Williams CE; Davies JM; Edwards RHT, Radiology 1989; **172:** 805

bright intervertebral disk: an indirect sign of abnormal spinal bone marrow on T1-weighted MR images, Castillo M; Malko JA; Hoffman JC Jr, AJNR 1990; **11:** 23

brucellar and tuberculous spondylitis: comparative imaging features, Sharif HS; Aideyan OA; Clark DC; Madkour MM; Aabed MY; Mattsson TA; Al-Deeb SM; Moutaery KR, Radiology 1989; **171:** 419

calcific discitis: MRI changes in discs without visible calcification, Swischuk LE; Stansberry SD, Pediatr Radiol 1991; **21:** 365

calcified synovial cyst of the cervical spine: CT and MR evaluation, Nijensohn E; Russell EJ; Milan M; et al, JCAT 1990; **14:** 473

canine intervertebral disks: correlation of anatomy and MR imaging, Sether LA; Nguyen C; Yu S; Haughton VM; Ho K-C; Biller DS; Strandt JA; Eurell JC, Radiology 1990; **175:** 207

case report: magnetic resonance imaging of spinal amyloid, Olliff JFC; Hardy JR; Williams MP; et al, Clin Radiol 1989; **40:** 632

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; **180:** 245

changes in MR signal intensity of the intervertebral disk, Blumberg ML; Ostrum BJ; Ostrum DM, Radiology 1991; **179:** 584

clinical MR imaging of degenerative spinal disease: pulse sequences, gradient-echo techniques, and contrast agents, Ross JS; Tkach J; VanDyke C; Modic MT, JMRI 1991; **1:** 29

clinical safety and efficacy of gadoteridol: a study in 411 patients with suspected intracranial and spinal disease, Runge VM; Bradley WG; Brant-Zawadzki MN; Carvlin MJ; DeSimone DN; Dean BL; Dillon WP; Drayer BP; Flanders AE; Harms SE; Haughton VM; Howieson J; Joy SE; Kanal E; Kumar AJ; Liu T-H; Lufkin RB; Maravilla KR; Mezrich RS; Mikhael MA; Morgan FW; Nadel SN; Pollei SR; Pomeranz SJ; Price AC; Ramsey RG; Yuh WTC; Zelch JV, Radiology 1991; **181:** 701

coil holder and marker system for MR imaging of the total spine, Abrahams JJ; Lange RC, Radiology 1989; **172:** 869

coil selection for magnetic resonance imaging of the cervical and thoracic spine using a vertical magnetic field, Larsson E-M; Nilsson H; Holtås S; et al, Acta Radiol 1989; **30:** 141

comparison of default and reduced bandwidth MR imaging of the spine at 1.5 T, Ketonen L; Totterman S; Simon JH; et al, AJNR 1990; **11:** 9

comparison of gradient-recalled-echo and T2-weighted spin-echo pulse sequences in intramedullary spinal lesions, Katz BH; Quencer RM; Hinks RS, AJNR 1989; **10:** 815

comparison of magnetic resonance imaging and radionuclide bone imaging of vertebral fractures, Wiener SN; Neumann DR; Rzeszotarski MS, Clin Nucl Med 1990; **14:** 666

comparison of MR and diskography in detecting radial tears of the anulus: a postmortem study, Yu S; Haughton VM; Sether LA; et al, AJNR 1989; **10:** 1077

comparison of myelography, CT myelography and magnetic resonance imaging in cervical spondylosis and disk herniation: pre- and postoperative findings, Larsson E-M; Holtås S; Cronqvist S; et al, Acta Radiol 1989; **30:** 233

compatibility of cervical spine braces with MR imaging: a study of nine nonferrous devices, Clayman DA; Murakami ME; Vines FS, AJNR 1990; **11:** 385

complications of epidural anesthesia: MR appearance of abnormalities, Sklar EML; Quencer RM; Green BA; Montalvo BM; Post MJD, Radiology 1991; **181:** 549

contrast enhancement in spinal MR imaging, Breger RK; Williams AL; Daniels DL; et al, AJNR 1989; **10:** 633

correlative radionuclide and magnetic resonance imaging in evaluation of the spine, Delbeke D; Powers TA; Sandler MP, Clin Nucl Med 1990; **14:** 742

craniospinal enterogenous cyst: MR findings, Kak VK; Gupta RK; Sharma BS; et al, JCAT 1990; **14:** 470

criteria for classifying normal and degenerated lumbar intervertebral disks, Yu S; Haughton VM; Sether LA; Ho K-C; Wagner M, Radiology 1989; **170:** 523

CT and MR appearance of cervical acrylic struts, Kricun R; Chovanes GI; Shoemaker EI, JCAT 1991; **15:** 519

CT and MR of lateral disc herniation: typical appearance and pitfalls of interpretation, Winter DDB; Munk PL; Helms CA; et al, J Canad Assoc Radiol 1989; **40:** 256

degenerative lumbar spine disorders in gradient refocused echo axial magnetic resonance images, Murayama S; Numaguchi Y; Robinson AE, Clin Imag 1990; **14:** 198

degenerative narrowing of the cervical spine neural foramina: evaluation with high-resolution 3DFT gradient-echo MR imaging, Yousem DM; Atlas SW; Goldberg HI; et al, AJR 1991; **156:** 1229

demonstration of vertebral body end plate veins by magnetic resonance imaging, Saywell WR; Crock HV; England JPS; et al, Br J Radiol 1989; **62:** 290

denominators of spinal cord injury, Hackney DB, Radiology 1990; **177:** 13

detection of vertebral metastases: comparison between MR imaging and bone scintigraphy, Algra PR; Bloem JL; Tissing H; Falke THM; Arndt J-W; Verboom LJ, Radiographics 1991; **11:** 219

developing spinal column: gadolinium-enhanced MR imaging, Sze G; Bravo S; Baierl P; Shimkin PM, Radiology 1991; **180:** 497

diagnosis of herniated intervertebral disks with MR imaging: a comparison of gradient-refocused-echo and spin-echo pulse sequences, Murayama S; Numaguchi Y; Robinson AE, AJNR 1990; **11:** 17

differentiation between postoperative scar and recurrent disk herniation: prospective comparison of MR, CT, and contrast-enhanced CT, Sotiropoulos S; Chafetz NI; Lang P; et al, AJNR 1989; **10:** 639

disc degeneration in Scheuermann disease, Paajanen H; Alanen A; Erkintalo M; et al, Skeletal Radiol 1989; **18:** 523

discovertebral destruction in ankylosing spondylitis: the role of computed tomography and magnetic resonance imaging, Kenny JB; Hughes PL; Whitehouse GH, Br J Radiol 1990; **63:** 448

distinguishing between scar and recurrent herniated disk in postoperative patients: value of contrast-enhanced CT and MR imaging, Bundschuh CV; Stein L; Slusser JH; et al, AJNR 1990; **11:** 949

dual cervical thoracic coil for spine magnetic resonance imaging, Totterman S; Foster TH; Plewes DB; et al, Acta Radiol 1989; **30:** 661

early MR demonstration of spinal metastases in patients with normal radiographs and CT and radionuclide bone scans, Avrahami E; Tadmor R; Dally O; et al, JCAT 1989; **13:** 598

eddy-current-induced artifacts caused by an "MR-compatible" halo device, Malko JA; Hoffman JC Jr; Jarrett PJ, Radiology 1989; **173:** 563

eddy-current-induced artifacts caused by an "MR-compatible" halo device, Shellock FG; Slimp G, Radiology 1990; **175:** 586

eddy-current-induced artifacts caused by an "MR-compatible" halo device: reply, Malko JA, Radiology 1990; **175:** 586

evaluation of thoracic paraspinal neurogenic tumours: the role of magnetic resonance imaging, Morgan PW; Khangure MS, Australas Radiol 1990; **34:** 223

evolution of the infant spinal column: evaluation with MR imaging, Sze G; Baierl P; Bravo S, Radiology 1991; **181:** 819

experimental model to study contrast enhancement in MR imaging of the intervertebral disk, Nguyen CM; Ho K-C; Yu S; et al, AJNR 1989; **10:** 811

fast imaging, Hesselink JR; Martin JF; Edelman RR, Neuroradiol 1990; **32:** 348

fibrous structure in the intervertebral disk: correlation of MR appearance with anatomic sections, Yu S; Haughton VM; Lynch KL; et al, AJNR 1989; **10:** 1105

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; **176:** 451

gadolinium-DTPA-enhanced MR imaging in the diagnosis of spinal epidural haematoma: report of a case, Crisi G; Sorgato P; Colombo A; et al, Neuroradiol 1990; **32:** 64

gadolinium-DTPA enhanced MR imaging of spinal dural arteriovenous fistulas, Terwey B; Becker H; Thron AK; et al, JCAT 1989; **13:** 30

gadolinium-DTPA–enhanced MR imaging of the postoperative lumbar spine: time course and mechanism of enhancement, Ross JS; Delamarter R; Hueftle MG; et al, AJNR 1989; **10:** 37

gadolinium-enhanced magnetic resonance imaging of spinal tumours, Rothwell CI; Jaspan T; Worthington BS; et al, Br J Radiol 1989; **62:** 1067

gadolinium-enhanced MR in spinal infection, Post MJD; Sze G; Quencer RM; et al, JCAT 1990; **14:** 721

Gd-DTPA–enhanced MR imaging of spinal tumors, Parizel PM; Balériaux D; Rodesch G; et al, AJNR 1989; **10:** 249

Gd-DTPA-enhanced MR in thoracic disc herniations, Parizel PM; Rodesch G; Balériaux D; et al, Neuroradiol 1989; **31:** 75

Gd-DTPA enhancement of posterior epidural scar: an experimental model, Ross JS; Blaser S; Masaryk TJ; et al, AJNR 1989; **10:** 1083

gradient-echo MR imaging of the cervical spine: evaluation of extradural disease, VanDyke C; Ross JS; Tkach J; et al, AJNR 1989; **10:** 627

gradient-echo MR imaging of the lumbar spine: comparison with spin-echo technique, Watanabe AT; Teitelbaum GP; Lufkin RB; et al, JCAT 1990; **14:** 410

granulomatous spinal infections: MR imaging, Sharif HS; Clark DC; Aabed MY; Haddad MC; Al Deeb SM; Yaqub B; Al Moutaery KR, Radiology 1990; **177:** 101

hemispherical spondylosclerosis: MR appearance, Jensen ME; Hayes CW; DeBlois GG; et al, JCAT 1989; **13:** 540

hyperextension injuries of the cervical spine: magnetic resonance findings, Goldberg AL; Rothfus WE; Deeb ZL; et al, Skeletal Radiol 1989; **18:** 283

imaging of acute spinal trauma: an evolving multi-modality approach, Goldberg AL; Daffner RH; Schapiro RL, Clin Imag 1990; **14:** 11

imaging of sacrococcygeal germ cell tumors, Wells RG; Sty JR, Radiographics 1990; **10:** 701

imaging of the absent cervical pedicle, Edwards MG; Wesolowski D; Matasar K, Skeletal Radiol 1991; **20:** 325

incidence of unfused ossicles in the lumbar facet joints: CT, MR, and cryomicrotomy study, Wang ZL; Yu S; Sether LA; et al, JCAT 1989; **13:** 594

intervertebral disk: normal age-related changes in MR signal intensity, Modic MT; Herfkens RJ, Radiology 1990; **177:** 332

intervertebral disk: normal age-related changes in MR signal intensity: reply, Haughton VM, Radiology 1990; **177:** 333

intervertebral disk: normal age-related changes in MR signal intensity, Sether LA; Yu S; Haughton VM; Fischer ME, Radiology 1990; **177:** 385

intradural spinal metastases in pediatric patients with primary intracranial neoplasms: Gd-DTPA enhanced MR vs CT myelography, Blews DE; Wang H; Kumar AJ; et al, JCAT 1990; **14:** 730

intramedullary spinal histoplasmosis efficacy of gadolinium enhancement, Bazan C III; New PZ, Neuroradiol 1991; **33:** 190

intraspinal synovial cysts: MR imaging, Jackson DE Jr; Atlas SW; Mani JR; Norman D, Radiology 1989; **170:** 527

isthmic lumbar spondylolisthesis with sciatica: MR imaging vs myelography, Annertz M; Holtås S; Cronqvist S; et al, Acta Radiol 1990; **31:** 449

isthmic spondylolysis of the lumbar spine: MR imaging at 1.5 T, Grenier N; Kressel HY; Schiebler ML; Grossman RI, Radiology 1989; **170:** 489

low-back pain and disk degeneration in children: a case-control MR imaging study, Tertti MO; Salminen JJ; Paajanen HEK; Terho PH; Kormano MJ, Radiology 1991; **180:** 503

lumbar epidural chordoma: MR findings, Yuh WTC; Lozano RL; Flickinger FW; et al, JCAT 1989; **13:** 508

magnetic resonance assessment of the postoperative spine: degenerative disc disease, Ross JS, Radiol Clin North Am 1991; **29:** 793

magnetic resonance demonstration of hyperintense herniated discs and extruded disc fragments, Glickstein MF; Burke DL Jr; Kressel HY, Skeletal Radiol 1989; **18:** 527

magnetic resonance hypointense spine of AIDS, Geremia GK; McCluney KW; Adler SS; et al, JCAT 1990; **14:** 785

magnetic resonance imaging of an intradural spinal lipoma: a case report, Corr P; Beningfield SJ, Clin Radiol 1989; **40:** 216

magnetic resonance imaging of malignant extradural tumors with acute spinal cord compression, Lien HH; Blomlie V; Heimdal K, Acta Radiol 1990; **31:** 187

magnetic resonance imaging of post-surgical pseudomeningocele, Murayama S; Numaguchi Y; Whitecloud TS; et al, Comput Med Imag Graph 1989; **13:** 335

magnetic resonance imaging of spinal trauma, Kerslake RW; Jaspan T; Worthington BS, Br J Radiol 1991; **64:** 386

magnetic resonance imaging of the craniocervical junction in rheumatoid arthritis: value, limitations, indications, Einig M; Higer HP; Meairs S; et al, Skeletal Radiol 1990; **19:** 341

magnetic resonance imaging of the postoperative lumbar spine, Djukic S; Genant HK; Helms CA; et al, Radiol Clin North Am 1990; **28:** 341

magnetic resonance imaging of the spine: a method of vertebral localization, Byrne BD, J Canad Assoc Radiol 1990; **41:** 108

marrow repopulation after bone marrow transplantation, Smith SR; Roberts N; Edwards RHT, Radiology 1991; **178:** 581

model for studying intervertebral disc degeneration with magnetic resonance and a nucleotome, Nguyen CM; Haughton VM; Ho K-C; et al, Invest Radiol 1989; **24:** 407

MR and CT evaluation of intraspinal chondrosarcoma, Judd J; Awwad EE; Smith KR Jr, Comput Med Imag Graph 1990; **14:** 213

MR appearance of acquired spinal epidermoid tumors, De Pena CA; Lee Y-Y; Van Tassel P; et al, AJNR 1989; **10:** S97

MR demonstration of spontaneous acute epidural hematoma of the thoracic spine, Avrahami E; Tadmor R; Ram Z; et al, Neuroradiol 1989; **31:** 89

MRI in cervical disk herniation, Nakstad PH; Hald JK; Bakke SJ; et al, Neuroradiol 1989; **31:** 382

MRI in the evaluation of spina bifida patients in the remote period after meningomyelocele repair, Williamson MR; Glasier CM; Chadduck WM; et al, Pediatr Radiol 1989; **19:** 442

MR imaging characteristics of tuberculous spondylitis vs vertebral osteomyelitis, Smith AS; Weinstein MA; Mizushima A; et al, AJNR 1989; **10:** 619

MR imaging of a spinal epidermoid tumor, Hatfield MK; Udesky RH; Strimling AM; et al, AJNR 1989; **10:** S95

MR imaging of foraminal and extraforaminal lumbar disk herniations, Grenier N; Grèselle J-F; Douws C; et al, JCAT 1990; **14:** 243

MR imaging of infectious spondylitis, Thrush A; Enzmann D, AJNR 1990; **11:** 1171

MR imaging of lumbar juxtaarticular cysts, Awwad EE; Martin DS; Smith KR Jr; et al, JCAT 1990; **14:** 415

MR imaging of spinal epidural lipoma, Morano JU; Miller JD; Connors JJ, AJNR 1989; **10:** S102

MR imaging of spinal neurinomas with pathological correlation, Demachi H; Takashima T; Kadoya M; et al, JCAT 1990; **14:** 250

MR imaging of spinal neurofibromatosis, Li MH; Holtås S, Acta Radiol 1991; **32:** 279

MR imaging of the postoperative lumbar spine: assessment with gadopentetate dimeglumine, Ross JS; Masaryk TJ; Schrader M; et al, AJNR 1990; **11:** 771

MR imaging of the postoperative lumbar spine: assessment with gadopentetate dimeglumine, Ross JS; Masaryk TJ; Schrader M; et al, AJR 1990; **155:** 867

MRI of disc space infection in infants and children: report of 12 cases, du Lac P; Panuel M; Devred P; et al, Pediatr Radiol 1990; **20:** 175

MRI of the cervical spine: rheumatoid arthritis compared with cervical spondylosis, Glew D; Watt I; Dieppe PA; et al, Clin Radiol 1991; **44:** 71

MRI of the spine, Clin Radiol Clin Radiol 1991; **43:** 227

MRI on the spine and novelties in NMR spectroscopy: report on the 1989 RSNA Annual Meeting, Berry I, J Neuroradiol 1989; **16:** 254

MRI study of lumbosacral lipoma in children, Taviere V; Brunelle F; Baraton J; et al, Pediatr Radiol 1989; **19:** 316

MR of childhood calcified herniated cervical disk with spontaneous resorption, Lester JW Jr; Miller WA; Carter MP; et al, AJNR 1989; **10:** S48

MR recognition of posterior lumbar vertebral ring fracture, Rothfus WE; Goldberg AL; Deeb ZL; et al, JCAT 1990; **14:** 790

multicenter study of gadodiamide injection as a contrast agent in MR imaging of the brain and spine, Sze G; Brant-Zawadzki M; Haughton VM; Maravilla KR; McNamara MT; Kumar AJ; Aisen AM; Dreisbach JN; Bradley WG Jr; Weinreb JC; Drayer BP; Tsuruda JS; Hesselink JR; Johnson CE; Zimmerman RD; Weingast GR, Radiology 1991; **181:** 693

neuroradiology: RSNA '88 meeting notes, Kieffer SA; Latchaw RE; Leeds NE; Modic MT; Naidich TP; Pressman BD; Segall HD; Smoker WRK; Tenner M; Williams AL; Zimmerman RD, Radiology 1989; **170:** 906

neuroradiology: RSNA '89 meeting notes, Segall HD; Byrd SE; Enzmann DR; Fox AJ; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Naidich TP; Quencer RM; Sze GK; Tenner MS; Wolpert SM; Zimmerman RD, Radiology 1990; **174:** 910

neuroradiology: RSNA '90 meeting notes, Segall HD; Daniels DL; Fitz CR; Hesselink JR; Jahnke RW; Kieffer SA; Leeds NE; Maravilla KR; Quencer RM; Rosenbaum AE; Russell EJ; Sze GK; Tenner MS; Yuh WTC; Zimmerman RD, Radiology 1991; **178:** 902

normal age-related changes in bone marrow in the axial skeleton at MR imaging, Schick RM, Radiology 1991; **179:** 877

normal age-related changes in bone marrow in the axial skeleton at MR imaging: reply, Zerhouni EA; Ricci C, Radiology 1991; **179:** 877

normal age-related patterns of cellular and fatty bone marrow distribution in the axial skeleton: MR imaging study, Ricci C; Cova M; Kang YS; Yang A; Rahmouni A; Scott WW Jr; Zerhouni EA, Radiology 1990; **177:** 83

normal and degenerated intervertebral disk: in vivo and in vitro MR imaging with histopathologic correlation, Schiebler ML; Grenier N; Fallon M; et al, AJR 1991; **157:** 93

normal and disrupted lumbar longitudinal ligaments: correlative MR and anatomic study, Grenier N; Greselle J-F; Vital J-M; Kien P; Baulny D; Broussin J; Senegas J; Caille J-M, Radiology 1989; **171:** 197

osteoid osteoma of the cervical spine: misleading MR features about a case involving the uncinate process, Houang B; Grenier N; Grèselle JF; et al, Neuroradiol 1990; **31:** 549

phase III clinical evaluation of Gd–HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; **1:** 47

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

postoperative lumbar spine: contrast-enhanced chemical shift MR imaging, Bobman SA; Atlas SW; Listerud J; Grossman RI, Radiology 1991; **179:** 557

pre- and postoperative MR imaging of the craniocervical junction in rheumatoid arthritis, Larsson E-M; Holtås S; Zygmunt S, AJNR 1989; **10:** 89

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

prevalence of lumbosacral intervertebral disk abnormalities on MR images in pregnant and asymptomatic nonpregnant women, Weinreb JC; Wolbarsht LB; Cohen JM; Brown CEL; Maravilla KR, Radiology 1989; **170:** 125

quantitative study of lumbar vertebral bone marrow using T_1 mapping and image analysis techniques: methodology and preliminary results, Roberts N; Smith SR; Percy DF; et al, Br J Radiol 1991; **64:** 673

recent advances in spinal magnetic resonance imaging, Sze G, J Canad Assoc Radiol 1991; **42:** 190

recurrent postoperative sciatica: evaluation with MR imaging and enhanced CT, Frocrain L; Duvauferrier R; Husson J-L; Noël J; Ramée A; Pawlotsky Y, Radiology 1989; **170:** 531

repopulation of marrow after transplantation: MR imaging with pathologic correlation, Stevens SK; Moore SG; Amylon MD, Radiology 1990; **175:** 213

role of discography in lumbar disc disease: a comparative study of magnetic resonance imaging and discography, Collins CD; Stack JP; O'Connell DJ; et al, Clin Radiol 1990; **42:** 252

short TR, variable flip angle, gradient echo scans of the cervical spine: comparison of 2DFT and 3DFT techniques, Enzmann DR; Rubin JB, Neuroradiol 1989; **31:** 213

significance of thoracic disc herniation demonstrated by MR imaging, Williams MP; Cherryman GR; Husband JE, JCAT 1989; **13:** 211

spinal cord compression due to ossification of ligaments: MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Yoshizumi K; Oguni T; Kojima R, Radiology 1990; **175:** 843

spinal cord compression in type I Gaucher disease, Hermann G; Wagner LD; Gendal ES; Ragland RL; Ulin RI, Radiology 1989; **170:** 147

spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Sze G; Bravo S; Krol G, Radiology 1989; **170:** 849

spinal vacuum phenomenon: evaluation by gradient echo MR imaging, Berns DH; Ross JS; Kormos D; et al, JCAT 1991; **15:** 233

steady-state free precession imaging in the presence of motion: application for improved visualization of the cerebrospinal fluid, Haacke EM; Wielopolski PA; Tkach JA; Modic MT, Radiology 1990; **175:** 545

synovial cysts in the lumbar spine: MR characteristics, Rosenblum J; Mojtahedi S; Foust RJ, AJNR 1989; **10:** S94

synovial cysts of the lumbosacral spine: diagnosis by MR imaging, Liu SS; Williams KD; Drayer BP; et al, AJNR 1989; **10:** 1239

synovial cysts of the lumbosacral spine: diagnosis by MR imaging, Liu SS; Williams KD; Drayer BP; et al, AJR 1990; **154:** 163

tears of the anulus fibrosus: assessment with Gd-DTPA–enhanced MR imaging, Ross JS; Modic MT; Masaryk TJ, AJNR 1989; **10:** 1251

tears of the anulus fibrosus: assessment with Gd-DTPA-enhanced MR imaging, Ross JS; Modic MT; Masaryk TJ, AJR 1990; **154:** 159

time-dependent scar enhancement in magnetic resonance imaging of the postoperative lumbar spine, Glickstein MF; Sussman SK, Skeletal Radiol 1991; **20:** 333

traumatic epidural hematoma of the cervical spine: diagnosis with magnetic resonance imaging—case report, (ab), Pan G; Kulkarni M; MacDougall DJ; et al, Radiology 1989; **170:** 589

ultra low field magnetic resonance imaging and computed tomography in the diagnosis of lumbar disc disease, Fagerlund MK; Ekelund L, Acta Radiol 1989; **30:** 349

vertebral compression fractures: distinction between benign and malignant causes with MR imaging, Yuh WTC; Zachar CK; Barloon TJ; Sato Y; Sickels WJ; Hawes DR, Radiology 1989; **172:** 215

vertebral hemangiomas: fat content as a sign of aggressiveness, Laredo J-D; Assouline E; Gelbert F; Wybier M; Merland J-J; Tubiana J-M, Radiology 1990; **177:** 467

widespread inflammatory response to osteoblastoma: the flare phenomenon, Crim JR; Mirra JM; Eckardt JJ; Seeger LL, Radiology 1990; **177:** 835

Spine, necrosis

avascular necrosis of the vertebral body: MR imaging, Naul LG; Peet GJ; Maupin WB, Radiology 1989; **172:** 219

Spine, neoplasms

See Spine, primary neoplasms; Spine, secondary neoplasms

Spine, primary neoplasms

18-year-old man with a 4-month history of progressive neck and right shoulder pain, Nazarian LN; Govoni AF; Carter DJ, Clin Imag 1990; **14:** 67

brown tumor in secondary hyperparathyroidism, causing progressive paraplegia, Pumar JM; Alvarez M; Perez-Batallon A; et al, Neuroradiol 1990; **32:** 343

case report 516, Roddie M; Adam A; Lambert H; et al, Skeletal Radiol 1989; **17:** 611

case report 545, Tajima K; Nishida J; Yamazaki K; et al, Skeletal Radiol 1989; **18:** 306

common causes of low back pain in children, Afshani E; Kuhn JP, Radiographics 1991; **11:** 269

CT-guided percutaneous transpedicular biopsy of the spine, Renfrew DL; Whitten CG; Wiese JA; El-Khoury GY; Harris KG, Radiology 1991; **180:** 574

evaluation of thoracic paraspinal neurogenic tumours: the role of magnetic resonance imaging, Morgan PW; Khangure MS, Australas Radiol 1990; **34:** 223

gadolinium-enhanced magnetic resonance imaging of spinal tumours, Rothwell CI; Jaspan T; Worthington BS; et al, Br J Radiol 1989; **62:** 1067

Gd-DTPA–enhanced MR imaging of spinal tumors, Parizel PM; Balériaux D; Rodesch G; et al, AJNR 1989; **10:** 249

imaging of sacrococcygeal germ cell tumors, Wells RG; Sty JR, Radiographics 1990; **10:** 701

intradural paraganglioma of the thoracic spine, Silverstein AM; Quint DJ; McKeever PE, AJNR 1990; **11:** 614

lumbar epidural chordoma: MR findings, Yuh WTC; Lozano RL; Flickinger FW; et al, JCAT 1989; **13:** 508

malignant carcinoid within a recurrent sacrococcygeal teratoma in childhood, Stringer DA; Sprigg A; Kerrigan D; et al, J Canad Assoc Radiol 1990; **41:** 105

malignant sacrococcygeal teratoma in an adult, Pennaforte J-L; Menanteau B; Etienne J-C, J Canad Assoc Radiol 1990; **41:** 229

MR and CT evaluation of intraspinal chondrosarcoma, Judd J; Awwad EE; Smith KR Jr, Comput Med Imag Graph 1990; **14:** 213

MR imaging of a spinal epidermoid tumor, Hatfield MK; Udesky RH; Strimling AM; et al, AJNR 1989; **10:** S95

MR imaging of spinal neurinomas with pathological correlation, Demachi H; Takashima T; Kadoya M; et al, JCAT 1990; **14:** 250

multicenter study of gadodiamide injection as a contrast agent in MR imaging of the brain and spine, Sze G; Brant-Zawadzki M; Haughton VM; Maravilla KR; McNamara MT; Kumar AJ; Aisen AM; Dreisbach JN; Bradley WG Jr; Weinreb JC; Drayer BP; Tsuruda JS; Hesselink JR; Johnson CE; Zimmerman RD; Weingast GR, Radiology 1991; **181:** 693

osteoblastoma: clinical and radiologic findings in 98 new cases, Kroon HM; Schurmans J, Radiology 1990; **175:** 783

osteoid osteoma of the cervical spine: misleading MR features about a case involving the uncinate process, Houang B; Grenier N; Gréselle JF; et al, Neuroradiol 1990; **31:** 549

osteoid osteoma of the spine: radiological aspects and value of arteriography, Crouzet G; Mnif J; Vasdev A; et al, J Neuroradiol 1989; **16:** 145

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; **1:** 57

primary leiomyosarcoma of the spinal dura mater, Kidooka M; Okada T; Takayama S; et al, Neuroradiol 1991; **33:** 173

radiologic role in diagnosis, staging, and follow-up of neoplasia of the brain, spine, and head and neck, Harnsberger HR; Dillon WP, Semin US CT MR 1989; **10:** 431

spinal angiolipomas: CT and MR aspects, Weill A; del Carpio-O'Donovan R; Tampieri D; et al, JCAT 1991; **15:** 83

spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Sze G; Bravo S; Krol G, Radiology 1989; **170:** 849

vertebral hemangiomas: fat content as a sign of aggressiveness, Laredo J-D; Assouline E; Gelbert F; Wybier M; Merland J-J; Tubiana J-M, Radiology 1990; **177:** 467

widespread inflammatory response to osteoblastoma: the flare phenomenon, Crim JR; Mirra JM; Eckardt JJ; Seeger LL, Radiology 1990; **177:** 835

Spine, radiography

acronym for dual-energy x-ray absorptiometry, Wilson CR; Collier BD; Carrera GF; Jacobson DR, Radiology 1990; **176:** 875

acronym for dual-energy x-ray absorptiometry: reply, Glüer CC; Steiger P; Genant HK, Radiology 1990; **176:** 875

assessment of a single lumbar spine radiograph in low back pain, Padley S; Gleeson F; Chisholm R; et al, Br J Radiol 1990; **63:** 535

bone mass in healthy children: measurement with quantitative DXA, Southard RN; Morris JD; Mahan JD; Hayes JR; Torch MA; Sommer A; Zipf WB, Radiology 1991; **179:** 735

case report 589, Gonda RL Jr; Osher DL; Poretta C; et al, Skeletal Radiol 1990; **19:** 62

cervical spine flexion patterns, Bohrer SP; Chen YM; Sayers DG, Skeletal Radiol 1990; **19:** 521

comparative assessment of dual-photon absorptiometry and dual-energy radiography, Glüer CC; Steiger P; Selvidge R; Elliesen-Kliefoth K; Hayashi C; Genant HK, Radiology 1990; **174:** 223

CT of the spine: are plain spine radiographs necessary?, Tress BM; Hare WSC, Clin Radiol 1990; **41:** 317

is the coned lateral lumbosacral junction radiograph necessary for radiological diagnosis?, Lipton ME; Pellegrini V; Harris I, Br J Radiol 1991; **64:** 420

measurement of the Cobb angle on radiographs of patients who have scoliosis: evaluation of intrinsic error, (ab), Morrissy RT; Goldsmith GS; Hall EC; et al, Radiology 1990; **176:** 885

out-patient lumbar radiculography with iohexol, Davies AM; Fitzgerald R; Evans N, Clin Radiol 1989; **40:** 413

positioning for plain spinal radiography producing paraplegia in a patient with ankylosing spondylitis, Upadhyay SS; Ho EKW; Hsu LCS, Br J Radiol 1991; **64:** 549

precision in assessment of osteoporosis from spine radiographs, Nielsen V-AH; Pødenphant J; Martens S; et al, Eur J Radiol 1991; **13:** 11

protocol-driven radiologic evaluation of suspected cervical spine injury: efficacy study, Mirvis SE; Diaconis JN; Chirico PA; Reiner BI; Joslyn JN; Militello P, Radiology 1989; **170:** 831

radio-functional analysis of the cervical spine using the Arlen method. a study of 699 subjects. part one: methodology, Kraemer M; Patris A, J Neuroradiol 1989; **16:** 48

radio-functional analysis of the cervical spine using the Arlen method. a study of 699 subjects. part two: paradoxical tilting of the atlas, Kraemer M; Patris A, J Neuroradiol 1989; **16:** 65

radiology for back pain, Butt WP, Clin Radiol 1989; **40:** 6

readability of cervical spine imaging: digital versus film/screen radiographs, Kreipke DL; Silver DI; Tarver RD; et al, Comput Med Imag Graph 1990; **14:** 119

sagittal tomography in the supine patient, Nakanishi T; Okayama A; Fujikawa T; Mukae H; Hashida M; Yamauchi S; Ueda K; Yokoyama T, Radiology 1989; 171: 574

Spine, radionuclide studies

bone scan and chemonucleolysis, Amico S; Eschard JP; Liehn JC; et al, Clin Nucl Med 1990; 15: 908

bone scan: a useful test for evaluating patients with low back pain, Collier BD; Kir KM; Mills BJA; et al, Skeletal Radiol 1990; 19: 267

brucellar and tuberculous spondylitis: comparative imaging features, Sharif HS; Aideyan OA; Clark DC; Madkour MM; Aabed MY; Mattsson TA; Al-Deeb SM; Moutaery KR, Radiology 1989; 171: 419

comparison of magnetic resonance imaging and radionuclide bone imaging of vertebral fractures, Wiener SN; Neumann DR; Rzeszotarski MS, Clin Nucl Med 1990; 14: 666

correlative radionuclide and magnetic resonance imaging in evaluation of the spine, Delbeke D; Powers TA; Sandler MP, Clin Nucl Med 1990; 14: 742

detection of vertebral metastases: comparison between MR imaging and bone scintigraphy, Algra PR; Bloem JL; Tissing H; Falke THM; Arndt J-W; Verboom LJ, Radiographics 1991; 11: 219

low-back pain in adolescent athletes: detection of stress injury to the pars interarticularis with SPECT, Bellah RD; Summerville DA; Treves ST; Micheli LJ, Radiology 1991; 180: 509

osteomyelitis: diagnosis with In-111–labeled leukocytes, Schauwecker DS, Radiology 1989; 171: 141

renal uptake of technetium-99m methylene diphosphonate following therapeutic radiation for vertebral metastases, Titelbaum DS; Fowble BF; Powe JE; et al, J Nucl Med 1989; 30: 1113

reverse oblique reconstruction for SPECT of the spine, Nicholson RL; Manglal-Lan B; Wilkins K, Clin Nucl Med 1991; 16: 478

septic arthritis of a lumbar facet joint: detection with bone SPECT imaging, Swayne LC; Dorsky S; Caruana V; et al, J Nucl Med 1989; 30: 1408

visualization of lumbar spine and sacral area by dynamic renal scan, Banzo J; Prats E; Abós MD; et al, Clin Nucl Med 1990; 15: 660

Spine, secondary neoplasms

assessing response to therapy of spinal metastases with gadolinium-enhanced MR imaging, Sugimura K; Kajitani A; Okizuka H; Sugihara M; Mizutani M; Ishida T, JMRI 1991; 1: 481

benign versus pathologic compression fractures of vertebral bodies: assessment with conventional spin-echo, chemical-shift, and STIR MR imaging, Baker LL; Goodman SB; Perkash I; Lane B; Enzmann DR, Radiology 1990; 174: 495

bone marrow disorders: characterization with quantitative MR imaging, Smith SR; Williams CE; Davies JM; Edwards RHT, Radiology 1989; 172: 805

case report 524, Truwit CL; Harle TS, Skeletal Radiol 1989; 18: 75

detection of vertebral metastases: comparison between MR imaging and bone scintigraphy, Algra PR; Bloem JL; Tissing H; Falke THM; Arndt J-W; Verboom LJ, Radiographics 1991; 11: 219

early MR demonstration of spinal metastases in patients with normal radiographs and CT and radionuclide bone scans, Avrahami E; Tadmor R; Dally O; et al, JCAT 1989; 13: 598

epidural gas: an unusual complication of metastatic oesophageal carcinoma, Kennedy C; Phillips R; Kendall B, Neuroradiol 1990; 32: 67

extradural spinal cord compression: analysis of factors determining functional prognosis—prospective study, Kim RY; Spencer SA; Meredith RF; Weppelmann B; Lee JY; Smith JW; Salter MM, Radiology 1990; 176: 279

foramen magnum choroid plexus papilloma with drop metastases to the lumbar spine, Domingues RC; Taveras JM; Reimer P; et al, AJNR 1991; 12: 564

intradural spinal metastases in pediatric patients with primary intracranial neoplasms: Gd-DTPA enhanced MR vs CT myelography, Blews DE; Wang H; Kumar AJ; et al, JCAT 1990; 14: 730

intraspinal extension of paraspinal masses in infants: detection by sonography, Garcia CJ; Keller MS, Pediatr Radiol 1990; 20: 437

magnetic resonance imaging of malignant extradural tumors with acute spinal cord compression, Lien HH; Blomlie V; Heimdal K, Acta Radiol 1990; 31: 187

metastatic malignant struma ovarii presenting as paraparesis from a spinal metastasis, McDougall IR; Krasne D; Hanbery JW; et al, J Nucl Med 1989; 30: 407

osteodensitometry of vertebral metastases after radiotherapy using quantitative computed tomography, Reinbold W-D; Wannenmacher M; Hodapp N; et al, Skeletal Radiol 1989; 18: 517

phase III clinical evaluation of Gd-HP-DO3A in head and spine disease, Runge VM; Dean B; Lee C; Carolan F; Heard G, JMRI 1991; 1: 47

preliminary clinical trial of gadodiamide injection: a new nonionic gadolinium contrast agent for MR imaging, Kaplan GD; Aisen AM; Aravapalli SR, JMRI 1991; 1: 57

reduction of spinal metastases after preemptive irradiation in prostatic cancer, Kaplan ID; Valdagni R; Cox RS; et al, Int J Radiat Oncol Biol Phys 1990; 18: 1019

renal uptake of technetium-99m methylene diphosphonate following therapeutic radiation for vertebral metastases, Titelbaum DS; Fowble BF; Powe JE; et al, J Nucl Med 1989; 30: 1113

spiculated vertebral metastases from prostatic carcinoma: report of first two cases, Hove B; Gyldensted C, Neuroradiol 1990; 32: 337

spinal cord compression due to metastatic disease: diagnosis with MR imaging versus myelography, Carmody RF; Yang PJ; Seeley GW; Seeger JF; Unger EC; Johnson JE, Radiology 1989; 173: 225

spinal lesions: quantitative and qualitative temporal evolution of gadopentetate dimeglumine enhancement in MR imaging, Sze G; Bravo S; Krol G, Radiology 1989; 170: 849

spinal metastases of carotid paraganglioma: one case and review of the literature, Crouzet G; Vasdev A; Lambrinidis M; et al, J Neuroradiol 1989; 16: 172

vascular metastatic lesions of the spine: preoperative embolization, Gellad FE; Sadato N; Numaguchi Y; Levine AM, Radiology 1990; 176: 683

vertebral compression fractures: distinction between benign and malignant causes with MR imaging, Yuh WTC; Zachar CK; Barloon TJ; Sato Y; Sickels WJ; Hawes DR, Radiology 1989; 172: 215

Spine, stenosis

cervical disk disease, Russell EJ, Radiology 1990; 177: 313

cervical myelography, Skalpe IO, Radiology 1990; 177: 590

cervical myelography: reply, Robertson HJ; Smith RD, Radiology 1990; 177: 590

cervical myelography: survey of modes of practice and major complications, Robertson HJ; Smith RD, Radiology 1990; 174: 79

cervical stenosis, spondylosis, and herniated disc disease, Jahnke RW; Hart BL, Radiol Clin North Am 1991; 29: 777

degenerative narrowing of the cervical spine neural foramina: evaluation with high-resolution 3DFT gradient-echo MR imaging, Yousem DM; Atlas SW; Goldberg HI; et al, AJR 1991; 156: 1229

lumbar disc disease and stenosis, Gaskill MF; Lukin R; Wiot JG, Radiol Clin North Am 1991; 29: 753

spinal stenosis subsequent to juvenile lumbar osteochondrosis, Tallroth K; Schlenzka D, Skeletal Radiol 1990; 19: 203

thoracic disc disease and stenosis, Rosenbloom SA, Radiol Clin North Am 1991; 29: 765

Spine, surgery

bone SPECT in patients with persistent back pain after lumbar spine surgery, Lusins JO; Danielski EF; Goldsmith SJ, J Nucl Med 1989; 30: 490

case report 589, Gonda RL Jr; Osher DL; Poretta C; et al, Skeletal Radiol 1990; 19: 62

gadodiamide injection: nonionic gadolinium chelate for MR imaging of the brain and spine—phase II–III clinical trial, Greco A; McNamara MT; Lanthiez P; Quay SC; Michelozzi G, Radiology 1990; 176: 451

postoperative cervical pseudomeningocele, Horowitz SW; Azar-Kia B; Fine M, AJNR 1990; 11: 784

recurrent postoperative sciatica: evaluation with MR imaging and enhanced CT, Frocrain L; Duvauferrier R; Husson J-L; Noël J; Ramée A; Pawlotsky Y, Radiology 1989; 170: 531

Spine, therapeutic radiology

conformation therapy to improve the irradiation of the spinal axis, Tate T; Shentall G, Int J Radiat Oncol Biol Phys 1989; 16: 505

importance of precise positioning for proton beam therapy in the base of skull and cervical spine, Tatsuzaki H; Urie MM, Int J Radiat Oncol Biol Phys 1991; 21: 757

renal uptake of technetium-99m methylene diphosphonate following therapeutic radiation for vertebral metastases, Titelbaum DS; Fowble BF; Powe JE; et al, J Nucl Med 1989; 30: 1113

Spine, US

accuracy of ultrasonic evaluation of lumbar intervertebral discs by an anterior approach, Merx JL; Thijssen HOM; Meyer E; et al, Neuroradiol 1989; 31: 386

echographic evaluation of tubercular abscesses in lumbar spondylitis, Rubaltelli L; De Gerone E; Caterino G, J Ultrasound Med 1990; 9: 67

intraspinal extension of paraspinal masses in infants: detection by sonography, Garcia CJ; Keller MS, Pediatr Radiol 1990; 20: 437

Spleen, abnormalities

absent splenic uptake of indium-111-oxine-labeled autologous leukocytes in functional asplenia, Hicks RJ; Young W; Shapiro B; et al, J Nucl Med 1991; 32: 524

acute torsion of a wandering spleen: diagnosis by CT and duplex Doppler and color flow sonography, Nemcek AA Jr; Miller FH; Fitzgerald SW, AJR 1991; 157: 307

chronic torsion of the wandering spleen, Shiels WE II; Johnson JF; Stephenson SR; et al, Pediatr Radiol 1989; 19: 465

computed tomography of cystic lymphangioma in a wandering spleen, Alerci M; Dore R, Acta Radiol 1990; 31: 589

CT of acute spleen torsion in children with wandering spleen, Herman TE; Siegel MJ, AJR 1991; 156: 151

current evaluation of the patient with abnormal visceroatrial situs, Hernanz-Schulman M; Ambrosino MM; Genieser NB; et al, AJR 1990; 154: 797

duplex sonography in splenomegaly, Jarvis L; Cook PG; James CM; et al, Br J Radiol 1991; 64: 485

ectopic splenomegaly in Felty's syndrome, duCret RP; Adkins MC; Halvorsen RA Jr; et al, Clin Nucl Med 1991; 16: 160

functional asplenia and portal hypertension in a patient with primary splenic hemangiosarcoma, Yücel AE; Durak H; Bernay I; et al, Clin Nucl Med 1990; 15: 324

hepatobiliary anomalies associated with polysplenia syndrome, Gagner M; Munson JL; Scholz FJ, Gastrointest Radiol 1991; 16: 167

intraperitoneal splenosis: diagnosis by ultrasound and computed tomography, Maillard J-C; Menu Y; Scherrer A; et al, Gastrointest Radiol 1989; 14: 179

lymphoma in a pelvic spleen: CT features, Dautenhahn LW; Rona G; Saperstein ML; et al, JCAT 1989; 13: 1081

massive splenomegaly: superior results with a combined endovascular and operative approach, (ab), Hiatt JR; Gomes AS; Machleder HI, JVIR 1991; 2: 295

polysplenia syndrome in the asymptomatic adult: computed tomography evaluation, Winer-Muram HT; Tonkin ILD; Gold RE, J Thorac Imag 1991; 6-2: 69

polysplenia syndrome with congenital short pancreas, Herman TE; Siegel MJ, AJR 1991; 156: 799

radiologic imaging of splenic anomalies, Dodds WJ; Taylor AJ; Erickson SJ; et al, AJR 1990; **155:** 805

retrorenal spleen: implications for percutaneous left renal invasive procedures, Hopper KD; Chantelois AE, Invest Radiol 1989; **24:** 592

short pancreas in polysplenia syndrome, Hadar H; Gadoth N; Herskovitz P; et al, Acta Radiol 1991; **32:** 299

splenic imaging in a patient with functional asplenia, Wagman PG; Dworkin HJ, Clin Nucl Med 1989; **14:** 264

splenosis mimicking neoplasm in the perirenal space: CT characteristics, Darling JD; Flickinger FW, JCAT 1990; **14:** 839

splenosis simulating an abdominal lymphoma, Mathurin J; Lallemand D, Pediatr Radiol 1990; **21:** 69

torsion of a wandering spleen: ultrasonographic findings, Bollinger B; Lorentzen T, JCU 1990; **18:** 510

unusual presentation of non-Hodgkin lymphoma of the spleen, Marti-Bonmati L; Ballesta A; Chirivella M, J Canad Assoc Radiol 1989; **40:** 49

wandering spleen presenting as a pediatric pelvic mass, Savolaine ER; Schlembach PJ; Robinson MG; et al, Clin Nucl Med 1989; **14:** 623

Spleen, abscess

abscessed splenic hydatid cyst: sonographic and CT findings, Franquet T; Cozcolluela R; Montes M; et al, Clin Imag 1991; **15:** 118

candidal splenic abscesses, Chew FS; Smith PL; Barboriak D, AJR 1991; **156:** 474

case report: tuberculous hepatic and splenic abscess, Wilde CC; Kueh YK, Clin Radiol 1991; **43:** 215

changing spectrum of splenic abscess, Caslowitz PL; Labs JD; Fishman EK; et al, Clin Imag 1989; **13:** 201

computed tomography in the diagnosis and treatment of solitary splenic abscesses, van der Laan RT; Verbeeten B Jr; Smits NJ; et al, JCAT 1989; **13:** 71

splenic abscess arising by direct extension from a perinephric abscess, Reese JH; Anderson RU; Friedland G, Urol Radiol 1990; **12:** 91

splenic abscesses in cat scratch disease: sonographic diagnosis and follow-up, Cox F; Perlman S; Sathyanarayana, JCU 1989; **17:** 511

splenic abscess in a previously infarcted spleen, Mehta RC; Wilson MA; Pozniak MA, Clin Nucl Med 1990; **14:** 700

tuberculous splenic abscess: sonographic detection and follow-up, Wu CC; Chow K-S; Lü T-N; et al, JCU 1990; **18:** 205

Spleen, accessory

spontaneous necrosis and hemorrhage in an enlarged accessory spleen: CT demonstration, Goodman P; Raval B; King FA, Comput Med Imag Graph 1990; **14:** 201

Spleen, CT

acute splenic sequestration crisis in two adults with sickle cell disease: US, CT, and MR imaging findings, Roshkow JE; Sanders LM, Radiology 1990; **177:** 723

acute torsion of a wandering spleen: diagnosis by CT and duplex Doppler and color flow sonography, Nemcek AA Jr; Miller FH; Fitzgerald SW, AJR 1991; **157:** 307

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Conrad MR, Radiology 1989; **173:** 285

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment: reply, Mirvis SE; Whitley NO, Radiology 1989; **173:** 285

blunt splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Mirvis SE; Whitley NO; Gens DR, Radiology 1989; **171:** 33

changes in splenic size after abdominal trauma, Goodman LR; Aprahamian C, Radiology 1990; **176:** 629

computed tomography in the diagnosis and treatment of solitary splenic abscesses, van der Laan RT; Verbeeten B Jr; Smits NJ; et al, JCAT 1989; **13:** 71

computed tomography of cystic lymphangioma in a wandering spleen, Alerci M; Dore R, Acta Radiol 1990; **31:** 589

contrast-enhanced CT of the liver and spleen: comparison of ionic and nonionic contrast agents, Nelson RC; Chezmar JL; Peterson JE; et al, AJR 1989; **153:** 973

CT diagnosis of blunt hepatic and splenic injuries: a look to the future, Jeffrey RB Jr, Radiology 1989; **171:** 17

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Umlas S-L; Cronan JJ, Radiology 1991; **180:** 310

CT of acute spleen torsion in children with wandering spleen, Herman TE; Siegel MJ, AJR 1991; **156:** 151

cystic haemangioma of the spleen: findings on ultrasound and computed tomography, Duddy MJ; Calder CJ, Br J Radiol 1989; **62:** 180

evaluation of splenic injury by computed tomography and its impact on treatment, (ab), Malangoni MA; Cué JI; Fallat ME; et al, Radiology 1991; **178:** 290

hepatosplenic tuberculosis with hypersplenism: CT evaluation, Choi BI; Im J-G; Han MC; et al, Gastrointest Radiol 1989; **14:** 265

inflammatory pseudotumor of the spleen: ultrasound and computed tomographic findings, Franquet T; Montes M; Aizcorbe M; et al, Gastrointest Radiol 1989; **14:** 181

liver, spleen, and vessels: preliminary clinical results of CT with perfluorooctylbromide, Bruneton J-N; Falewée M-N; François E; Cambon P; Philip C; Riess JG; Balu-Maestro C; Rogopoulos A, Radiology 1989; **170:** 179

lymphoma in a pelvic spleen: CT features, Dautenhahn LW; Rona G; Saperstein ML; et al, JCAT 1989; **13:** 1081

nontraumatic focal lesions of the spleen: assessment of imaging and clinical evaluation, Caslowitz PL; Labs JD; Fishman EK; et al, Comput Med Imag Graph 1990; **14:** 133

polysplenia syndrome in the asymptomatic adult: computed tomography evaluation, Winer-Muram HT; Tonkin ILD; Gold RE, J Thorac Imag 1991; **6-2:** 69

potential role of perfluorooctylbromide in the detection and characterization of liver lesions with CT, Mattrey RF, Radiology 1989; **170:** 18

splenic trauma: can CT grading systems enable prediction of successful nonsurgical treatment?, Umlas S-L; Cronan JJ, Radiology 1991; **178:** 481

splenic trauma in adults: impact of CT grading on management, Scatamacchia SA; Raptopoulos V; Fink MP; Silva WE, Radiology 1989; **171:** 725

splenosis mimicking neoplasm in the perirenal space: CT characteristics, Darling JD; Flickinger FW, JCAT 1990; **14:** 839

spontaneous necrosis and hemorrhage in an enlarged accessory spleen: CT demonstration, Goodman P; Raval B; King FA, Comput Med Imag Graph 1990; **14:** 201

Spleen, cysts

dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Mirowitz SA; Brown JJ; Lee JKT; Heiken JP, Radiology 1991; **179:** 681

epidermoid cyst of the spleen: a case report and review of the literature, Younger KA; Hall CM, Br J Radiol 1990; **63:** 652

familial splenic epidermoid cyst, Ragozzino MW; Singletary H; Patrick R, AJR 1990; **155:** 1233

spontaneous rupture of an epidermoid cyst of spleen: preoperative ultrasonographic diagnosis, Rathaus V; Zissin R; Goldberg E, JCU 1991; **19:** 235

Spleen, diseases

abscessed splenic hydatid cyst: sonographic and CT findings, Franquet T; Cozcolluela R; Montes M; et al, Clin Imag 1991; **15:** 118

case report: ultrasound detection of tuberculomas of the spleen, Kapoor R; Jain AK; Chaturvedi U; et al, Clin Radiol 1991; **43:** 128

chronic granulomatous disease of childhood: report of two cases with unusual involvement of the gastric antrum and spleen, Orduña M; González de Orbe G; Gordillo MI; et al, Eur J Radiol 1989; **9:** 67

extrapulmonary *Pneumocystis carinii* infection: another cause of splenic "bull's-eye" lesions, Timins ME; Nemcek AA Jr, Radiology 1991; **178:** 584

extrapulmonary *Pneumocystis carinii* infection in AIDS: CT findings, Lubat E; Megibow AJ; Balthazar EJ; Goldenberg AS; Birnbaum BA; Bosniak MA, Radiology 1990; **174:** 157

hydatid disease of the spleen: imaging findings in nine patients, Franquet T; Montes M; Lecumberri FJ; et al, AJR 1990; **154:** 525

inflammatory pseudotumor of the spleen: a clinicopathologic study of three cases, (ab), Sheahan K; Wolf BC; Neiman RS, Radiology 1989; **171:** 290

peliosis of the spleen, Cochrane LB; Freson M, Gastrointest Radiol 1991; **16:** 83

siderotic nodules in the spleen: MR imaging of portal hypertension, Minami M; Itai Y; Ohtomo K; Ohnishi S; Niki T; Kokubo T; Yoshikawa K; Iio M, Radiology 1989; **172:** 681

Spleen, hemorrhage

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Conrad MR, Radiology 1989; **173:** 285

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment: reply, Mirvis SE; Whitley NO, Radiology 1989; **173:** 285

blunt splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Mirvis SE; Whitley NO; Gens DR, Radiology 1989; **171:** 33

changes in splenic size after abdominal trauma, Goodman LR; Aprahamian C, Radiology 1990; **176:** 629

Gamna-Gandy bodies of the spleen: evaluation with MR imaging, Sagoh T; Itoh K; Togashi K; Shibata T; Nishimura K; Minami S; Asato R; Noma S; Fujisawa I; Yamashita K; Nakano Y; Konishi J, Radiology 1989; **172:** 685

Spleen, infarction

gastric and splenic infarction: a complication of intraarterial vasopressin infusion, Sweren BS; Bohlman ME, Cardiovasc Intervent Radiol 1989; **12:** 207

rare cause of splenic infarct and fleeting pulmonary infiltrates: polyarteritis nodosa, Nguyen VD, Comput Med Imag Graph 1991; **15:** 61

sonographic diagnosis of splenic torsion in a spleen situated in the left uper quadrant, Kinare AS; Ambardekar ST; Pande SA, JCU 1990; **18:** 586

splenic abscess in a previously infarcted spleen, Mehta RC; Wilson MA; Pozniak MA, Clin Nucl Med 1990; **14:** 700

splenic infarction complicating pediatric liver transplantation: incidence and CT appearance, Lehar SC; Zajko AB; Koneru B; et al, JCAT 1990; **14:** 362

splenic infarction: sonographic patterns, diagnosis, follow-up, and complications, Goerg C; Schwerk WB, Radiology 1990; **174:** 803

Spleen, infection

Pneumocystis carinii involvement of the liver and spleen: CT demonstration, Fishman EK; Magid D; Kuhlman JE, JCAT 1990; **14:** 146

Spleen, injuries

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Conrad MR, Radiology 1989; **173:** 285

blunt hepatic/splenic trauma in adults: CT-based classification and correlation with prognosis and treatment: reply, Mirvis SE; Whitley NO, Radiology 1989; **173:** 285

blunt splenic injuries: nonsurgical treatment with CT, arteriography, and transcatheter arterial embolization of the splenic artery, Sclafani SJA; Weisberg A; Scalea TM; Phillips TF; Duncan AO, Radiology 1991; **181:** 189

blunt splenic trauma and the angiographer: will we go back to the future?, Rees CR, Radiology 1991; **181:** 12

blunt splenic trauma in adults: CT-based classification and correlation with prognosis and treatment, Mirvis SE; Whitley NO; Gens DR, Radiology 1989; **171:** 33

changes in splenic size after abdominal trauma, Goodman LR; Aprahamian C, Radiology 1990; **176:** 629

comparison between operative and nonoperative management of blunt injuries to the liver and spleen in adult and pediatric patients, (ab), Delius RE; Frankel W; Coran AG, Radiology 1990; **175:** 289

CT diagnosis of blunt hepatic and splenic injuries: a look to the future, Jeffrey RB Jr, Radiology 1989; **171:** 17

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; **180:** 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Umlas S-L; Cronan JJ, Radiology 1991; **180:** 310

evaluation of splenic injury by computed tomography and its impact on treatment, (ab), Malangoni MA; Cué JI; Fallat ME; et al, Radiology 1991; **178:** 290

long-term follow-up after heterotopic splenic autotransplantation for traumatic splenic rupture, Budihna N; Milčinski M; Heberle J, J Nucl Med 1991; **32:** 204

management of splenic trauma in a trauma system, (ab), Molin MR; Shackford SR, Radiology 1991; **178:** 290

nonoperative management of the adult ruptured spleen, (ab), Villalba MR; Howells GA; Lucas RJ; et al, Radiology 1991; **178:** 290

splenic trauma: can CT grading systems enable prediction of successful nonsurgical treatment?, Umlas S-L; Cronan JJ, Radiology 1991; **178:** 481

splenic trauma in adults: impact of CT grading on management, Scatamacchia SA; Raptopoulos V; Fink MP; Silva WE, Radiology 1989; **171:** 725

use of absorbable mesh in splenic trauma, (ab), Lange DA; Zaret P; Merlotti GJ; et al, Radiology 1989; **170:** 287

Spleen, interventional procedure

on-line monitoring of sequential blood flow reduction during splenic embolization, Link DP; Seibert JA; Gould J; et al, Acta Radiol 1989; **30:** 101

ultrasound-guided percutaneous injection of ethanolamine oleate for hypersplenism: an experimental study in dogs, Shiina S; Aoyama H; Shiratori Y; et al, Invest Radiol 1990; **25:** 651

Spleen, MR

acute splenic sequestration crisis in two adults with sickle cell disease: US, CT, and MR imaging findings, Roshkow JE; Sanders LM, Radiology 1990; **177:** 723

asialoglycoprotein receptor function in benign liver disease: evaluation with MR imaging, Reimer P; Weissleder R; Lee AS; Buettner S; Wittenberg J; Brady TJ, Radiology 1991; **178:** 769

case report: MRI of splenic hemangioma associated with thrombocytopenia, Harris RD; Simpson WA, Gastrointest Radiol 1989; **14:** 308

diagnosis of splenic lymphoma by MR imaging: value of superparamagnetic iron oxide, Weissleder R; Elizondo G; Stark DD; et al, AJR 1989; **152:** 175

dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Mirowitz SA; Brown JJ; Lee JKT; Heiken JP, Radiology 1991; **179:** 681

Gamna-Gandy bodies of the spleen: evaluation with MR imaging, Sagoh T; Itoh K; Togashi K; Shibata T; Nishimura K; Minami S; Asato R; Noma S; Fujisawa I; Yamashita K; Nakano Y; Konishi J, Radiology 1989; **172:** 685

liver tumors in cirrhosis: experimental study with SPIO-enhanced MR imaging, Clement O; Frija G; Chambon C; Schouman-Claeys E; Mosnier J-F; Poupon M-F; Balkau B, Radiology 1991; **180:** 31

MR imaging of hepatosplenic candidiasis superimposed on hemochromatosis, Cho J-S; Kim EE; Varma DGK; et al, JCAT 1990; **14:** 774

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

siderotic nodules in the spleen: MR imaging of portal hypertension, Minami M; Itai Y; Ohtomo K; Ohnishi S; Niki T; Kokubo T; Yoshikawa K; Iio M, Radiology 1989; **172:** 681

Spleen, neoplasms

dynamic gadolinium-enhanced MR imaging of the spleen: normal enhancement patterns and evaluation of splenic lesions, Mirowitz SA; Brown JJ; Lee JKT; Heiken JP, Radiology 1991; **179:** 681

functional asplenia and portal hypertension in a patient with primary splenic hemangiosarcoma, Yücel AE; Durak H; Bernay I; et al, Clin Nucl Med 1990; **15:** 324

increased activity on radiocolloid scintigraphy in splenic hamartoma, Okada J; Yoshikawa K; Uno K; et al, Clin Nucl Med 1990; **15:** 112

isodense splenic mass: hamartoma, a case report, Norowitz DG; Morehouse HT, Comput Med Imag Graph 1989; **13:** 347

liver, spleen, and vessels: preliminary clinical results of CT with perfluorooctylbromide, Bruneton J-N; Falewée M-N; François E; Cambon P; Philip C; Riess JG; Balu-Maestro C; Rogopoulos A, Radiology 1989; **170:** 179

MR imaging of the abdomen: are we there yet?, Weinreb JC, JMRI 1991; **1:** 393

potential role of perfluorooctylbromide in the detection and characterization of liver lesions with CT, Mattrey RF, Radiology 1989; **170:** 18

sonographic patterns of the affected spleen in malignant lymphoma, Goerg C; Schwerk WB; Goerg K; et al, JCU 1990; **18:** 569

sonography of focal lesions of the spleen, Goerg C; Schwerk WB; Goerg K, AJR 1991; **156:** 949

splenic lymphangioma: report of two cases, Tsurui N; Ishida H; Morikawa P; et al, JCU 1991; **19:** 244

systemic amyloidosis presenting as splenic tumor, Liu T-Y; Chen S-C; Wang L-Y; et al, Gastrointest Radiol 1991; **16:** 137

ultrasonographic diagnosis of melanoma metastases in liver, gallbladder, and spleen, Stutte H; Müller PH; d'Hoedt B; et al, J Ultrasound Med 1989; **8:** 541

ultrasonography of splenic metastases, Siniluoto T; Päivänsalo M; Lähde S, Acta Radiol 1989; **30:** 463

Spleen, radionuclide studies

absent splenic uptake of indium-111-oxine-labeled autologous leukocytes in functional asplenia, Hicks RJ; Young W; Shapiro B; et al, J Nucl Med 1991; **32:** 524

attempts at clarification of splenic visualization on reticuloendothelial images: Tc-99m DISIDA compared with heat-denatured Tc-99m RBC imaging, Dunn EK; Vaquer RA; Strashun AM, Clin Nucl Med 1990; **14:** 647

automated volume determination of the liver and spleen from Tc-99m colloid SPECT imaging: quantification of the liver functional and nonfunctional tissue in disease, Kavanagh GJ; Kavanagh JT; Kavanagh PBK; et al, Clin Nucl Med 1990; **15:** 495

CT and pathologic correlation of Tc-99m medronate splenic uptake in metastatic breast carcinoma, Boyko OB; Rippe DJ, Comput Med Imag Graph 1991; **15:** 23

detection of noncalcified splenic hemangioma by radionuclide bone scan, Cooper SG; Strauss EB; Levine AH, J Nucl Med 1989; **30:** 1111

diffuse lung uptake of technetium-99m sulfur colloid in malaria, Leclerc Y; Verreault J; Bisson G, J Nucl Med 1989; **30:** 117

increased activity on radiocolloid scintigraphy in splenic hamartoma, Okada J; Yoshikawa K; Uno K; et al, Clin Nucl Med 1990; **15:** 112

long-term follow-up after heterotopic splenic autotransplantation for traumatic splenic rupture, Budihna N; Milčinski M; Heberle J, J Nucl Med 1991; **32:** 204

persistent splenic visualization on technetium-99m DISIDA hepatobiliary studies, Balseiro J; Fratkin MJ; Hirsch HI; et al, Clin Nucl Med 1990; **15:** 237

PYP Maalox® localization in liver and spleen, Eisenberg B; Owens D; Stewart DL; et al, Clin Nucl Med 1989; **14:** 636

splenic accumulation of technetium-99m-methylene diphosphonate in a transfusion-dependent patient with chronic myelogenous leukemia, Franceschi D; Nagel JS; Holman BL, J Nucl Med 1990; **31:** 1552

splenic dynamics of indium-111 labeled platelets in idiopathic thrombocytopenic purpura, Syrjälä MT; Savolainen S; Nieminen U; et al, J Nucl Med 1989; **30:** 1546

splenic imaging in a patient with functional asplenia, Wagman PG; Dworkin HJ, Clin Nucl Med 1989; **14:** 264

splenic imaging with heat-damaged Tc-99m labeled erythrocytes in lymphoma, Van der Wall H; Elison BS; Murray IPC, Clin Nucl Med 1990; **15:** 275

splenic uptake of both technetium-99m diphosphonate and technetium-99m sulfur colloid in sickle cell beta° thalassemia, Heck LL; Brittin GM, Clin Nucl Med 1989; **14:** 557

splenic uptake of Tc-99m MDP: possible relationship to hemosiderin, Spencer RP; Sziklas JJ; Rosenberg RJ; et al, Clin Nucl Med 1990; **15:** 582

splenic uptake on bone scanning in autoimmune hemolytic anemia, Dravid VS; Heyman S, Clin Nucl Med 1990; **15:** 584

technetium-99m sulfur colloid spleen imaging following partial pancreatectomy and splenic artery and vein resection, Kuni CC; Crass JR; duCret RP; et al, J Nucl Med 1989; **30:** 1881

Spleen, size

normal splenic size in infants and children: sonographic measurements, Rosenberg HK; Markowitz RI; Kolberg H; et al, AJR 1991; **157:** 119

sonographic assessment and grading of spleen size, Ishibashi H; Higuchi N; Shimamura R; et al, JCU 1991; **19:** 21

Spleen, surgery

blunt splenic trauma and the angiographer: will we go back to the future?, Rees CR, Radiology 1991; **181:** 12

fatty transformation of thoracic extramedullary hematopoiesis following splenectomy: CT features, Martin J; Palacio A; Petit J; et al, JCAT 1990; **14:** 477

infection after splenectomy for Hodgkin's disease, Abrahamsen AF; Borge L; Holte H, Acta Oncol 1990; **29:** 167

splenic trauma in adults: impact of CT grading on management, Scatamacchia SA; Raptopoulos V; Fink MP; Silva WE, Radiology 1989; **171:** 725

Spleen, therapeutic radiology

study of splenic irradiation in chronic lymphocytic leukemia, Guiney MJ; Liew KH; Quong GG; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 225

Spleen, US

acute splenic sequestration crisis in two adults with sickle cell disease: US, CT, and MR imaging findings, Roshkow JE; Sanders LM, Radiology 1990; **177:** 723

acute torsion of a wandering spleen: diagnosis by CT and duplex Doppler and color flow sonography, Nemcek AA Jr; Miller FH; Fitzgerald SW, AJR 1991; **157:** 307

characterization of splenic structure in Hodgkin disease by using narrow-band filtration of backscattered ultrasound, Friedman PA; Sommer FG; Chen H-S; et al, AJR 1989; **152:** 1197

cystic haemangioma of the spleen: findings on ultrasound and computed tomography, Duddy MJ; Calder CJ, Br J Radiol 1989; **62:** 180

duplex sonography in splenomegaly, Jarvis L; Cook PG; James CM; et al, Br J Radiol 1991; **64:** 485

inflammatory pseudotumor of the spleen: ultrasound and computed tomographic findings, Franquet T; Montes M; Aizcorbe M; et al, Gastrointest Radiol 1989; **14:** 181

normal splenic size in infants and children: sonographic measurements, Rosenberg HK; Markowitz RI; Kolberg H; et al, AJR 1991; **157:** 119

sonographic assessment and grading of spleen size, Ishibashi H; Higuchi N; Shimamura R; et al, JCU 1991; **19:** 21

sonographic diagnosis of splenic torsion in a spleen situated in the left uper quadrant, Kinare AS; Ambardekar ST; Pande SA, JCU 1990; **18:** 586

sonographic patterns of the affected spleen in malignant lymphoma, Goerg C; Schwerk WB; Goerg K; et al, JCU 1990; **18:** 569

sonography of focal lesions of the spleen, Goerg C; Schwerk WB; Goerg K, AJR 1991; **156:** 949

splenic infarction: sonographic patterns, diagnosis, follow-up, and complications, Goerg C; Schwerk WB, Radiology 1990; **174:** 803

splenic lesions: sonographic patterns, follow-up, differential diagnosis, Goerg C; Schwerk WB; Goerg K, Eur J Radiol 1991; **13:** 59

torsion of a wandering spleen: ultrasonographic findings, Bollinger B; Lorentzen T, JCU 1990; **18:** 510

tuberculous splenic abscess: sonographic detection and follow-up, Wu CC; Chow K-S; Lü T-N; et al, JCU 1990; **18:** 205

ultrasonography of splenic metastases, Siniluoto T; Päivänsalo M; Lähde S, Acta Radiol 1989; **30:** 463

ultrasonography of splenic variants, Hine AL; Wilson SR, J Canad Assoc Radiol 1989; **40:** 25

ultrasound appearances of extramedullary haematopoiesis in the liver and spleen, Bradley MJ; Metreweli C, Br J Radiol 1990; **63:** 816

Spondylitis

atypical case of Pott's disease, Mansberg VJ; Rowe LJ; Walker C, Australas Radiol 1991; **35:** 191

brucellar and tuberculous spondylitis: comparative imaging features, Sharif HS; Aideyan OA; Clark DC; Madkour MM; Aabed MY; Mattsson TA; Al-Deeb SM; Moutaery KR, Radiology 1989; **171:** 419

case report: tracheobronchomegaly in association with ankyiosing spondylitis, Padley S; Varma N; Flower CDR, Clin Radiol 1991; **43:** 139

cauda equina syndrome complicating ankylosing spondylitis: MR features, Rubenstein DJ; Alvarez O; Ghelman B; et al, JCAT 1989; **13:** 511

cauda equina syndrome complicating ankylosing spondylitis, Mitchell MJ; Sartoris DJ; Moody D; Resnick D, Radiology 1990; **175:** 521

discovertebral destruction in ankylosing spondylitis: the role of computed tomography and magnetic resonance imaging, Kenny JB; Hughes PL; Whitehouse GH, Br J Radiol 1990; **63:** 448

echographic evaluation of tubercular abscesses in lumbar spondylitis, Rubaltelli L; De Gerone E; Caterino G, J Ultrasound Med 1990; **9:** 67

inflammatory disorders of the vertebral column: seronegative spondyloarthropathies, adult-onset rheumatoid arthritis, and juvenile chronic arthritis, Resnick D, Clin Imag 1989; **13:** 253

leiomyosarcoma following therapeutic irradiation for ankylosing spondylitis, Stevens GN; Tattersall MHN; Biro C; et al, Br J Radiol 1990; **63:** 730

MR imaging characteristics of tuberculous spondylitis vs vertebral osteomyelitis, Smith AS; Weinstein MA; Mizushima A; et al, AJNR 1989; **10:** 619

MR imaging of infectious spondylitis, Thrush A; Enzmann D, AJNR 1990; **11:** 1171

positioning for plain spinal radiography producing paraplegia in a patient with ankylosing spondylitis, Upadhyay SS; Ho EKW; Hsu LCS, Br J Radiol 1991; **64:** 549

postoperative discitis: radiology of progress and healing, Nielsen VAH; Iversen E; Ahlgren P, Acta Radiol 1990; **31:** 559

rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Larheim TA; Smith H-J; Aspestrand F, Radiology 1990; **175:** 527

spinal pseudoarthrosis in ankylosing spondylitis, (ab), Fang D; Leong JCY; Ho EKW; et al, Radiology 1989; **170:** 587

total hip replacement for patients who have ankylosing spondylitis, (ab), Kilgus DJ; Namba RS; Gorek JE; et al, Radiology 1991; **178:** 591

Spondylolisthesis

See Spine, dislocation

Spondylolysis

cervical spondylolysis: imaging findings in 12 patients, Forsberg DA; Martinez S; Vogler JB III; et al, AJR 1990; **154:** 751

cervical stenosis, spondylosis, and herniated disc disease, Jahnke RW; Hart BL, Radiol Clin North Am 1991; **29:** 777

diffuse idiopathic skeletal hyperostosis: diagnostic significance of radiographic abnormalities of the pelvis, Haller J; Resnick D; Miller CW; Schils JP; Kerr R; Bielecki D; Sartoris DJ; Gundry CR, Radiology 1989; **172:** 835

facet joint arthrography in lumbar spondylolysis: anatomic basis for spread of contrast medium, McCormick CC; Taylor JR; Twomey LT, Radiology 1989; **171:** 193

hangman's fracture or primary spondylolysis: a patient and a brief review, Parisi M; Lieberson R; Shatsky S, Pediatr Radiol 1991; **21:** 367

isthmic spondylolysis of the lumbar spine: MR imaging at 1.5 T, Grenier N; Kressel HY; Schiebler ML; Grossman RI, Radiology 1989; **170:** 489

MRI of the cervical spine: rheumatoid arthritis compared with cervical spondylosis, Glew D; Watt I; Dieppe PA; et al, Clin Radiol 1991; **44:** 71

post-traumatic spinal synovial cyst with spondylolysis: CT features, Awwad EE; Sundaram M; Bucholz RD, JCAT 1989; **13:** 334

primary spondylolysis of the axis vertebra (C2) in three children, including one with pyknodysostosis, Currarino G, Pediatr Radiol 1989; **19:** 535

spondylolysis and the sacro-horizontal angle in athletes, Swärd L; Hellström M; Jacobsson B; et al, Acta Radiol 1989; **30:** 359

Sporotrichosis

gallium scan finding in a patient with suppurative lymphangitis secondary to sporotrichosis, Yip T-CK; Houle S; Mathewson J, Clin Nucl Med 1989; **14:** 144

osseous sporotrichosis: CT appearance. case report, Mogavero GT; Fishman EK; Magid D, Clin Imag 1991; **15:** 56

Sports medicine

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State-of-art reviews

arthritis: roles of radiography and other imaging techniques in evaluation, Kaye JJ, Radiology 1990; **177:** 601

breast masses: mammographic evaluation, Sickles EA, Radiology 1989; **173:** 297

carotid sonography, Carroll BA, Radiology 1991; **178:** 303

cervical disk disease, Russell EJ, Radiology 1990; **177:** 313

color Doppler imaging: principles, limitations, and artifacts, Mitchell DG, Radiology 1990; **177:** 1

cross-sectional physiology of the lung, Gurney JW, Radiology 1991; **178:** 1

CT evaluation for pulmonary metastases in patients with extrathoracic malignancy, Davis SD, Radiology 1991; **180:** 1

digital imaging of the chest, Fraser RG; Sanders C; Barnes GT; MacMahon H; Giger ML; Doi K; Templeton AW; Cox GG; Dwyer SJ III; Merritt CRB; Jones JP, Radiology 1989; **171:** 297

digital imaging workstation, Arenson RL; Chakraborty DP; Seshadri SB; Kundel HL, Radiology 1990; **176:** 303

Doppler US: part I. basic principles, instrumentation, and pitfalls, Taylor KJW; Holland S, Radiology 1990; **174:** 297

Doppler US: part II. clinical applications, Scoutt LM; Zawin ML; Taylor KJW, Radiology 1990; **174:** 309

endothelial cell biology, Pearson JD, Radiology 1991; **179:** 9

fetal ventricle: importance in routine obstetric sonography, Filly RA; Goldstein RB; Callen PW, Radiology 1991; **181:** 1

high-resolution MR imaging with local coils, Kneeland JB; Hyde JS, Radiology 1989; **171:** 1

human in vivo NMR spectroscopy in diagnostic medicine: clinical tool or research probe?, Bottomley PA, Radiology 1989; **170:** 1

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; **172:** 297

imaging of the larynx: current concepts, Curtin HD, Radiology 1989; **173:** 1

interventional neuroradiology, Eskridge JM, Radiology 1989; **172:** 991

interventional radiologic management of enteric strictures, McLean GK; Meranze SG, Radiology 1989; **170:** 1049

interventional radiology in the gallbladder: diagnosis, drainage, dissolution, and management of stones, vanSonnenberg E, D'Agostino HB; Casola G; Varney RR; Ainge GD, Radiology 1990; **174:** 1

lethal fetal anomalies: sonographic demonstration, Sanders RC; Blakemore K, Radiology 1989; **172:** 1

lower-extremity arteriography: current approach and techniques, Darcy MD, Radiology 1991; **178:** 615

management of the small (≤1.5 cm) renal parenchymal tumor, Bosniak MA, Radiology 1991; **181:** 288

morphologic observations late after coronary balloon angioplasty: mechanisms of acute injury and relationship to restenosis, Waller BF; Orr CM; Pinkerton CA; VanTassel JW; Pinto RP, Radiology 1990; **174:** 961

MR of the brain stem: a practical approach, Bradley WG Jr, Radiology 1991; **179:** 319

MR spectroscopy: clinical perspective, Aisen AM; Chenevert TL, Radiology 1989; **173:** 593

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; **170:** 921

non-Hodgkin lymphomas: practical concepts for the diagnostic radiologist, Castellino RA, Radiology 1991; **178:** 315

patient care in interventional radiology: a perspective, Barth KH; Matsumoto AH, Radiology 1991; **178:** 11

pediatric gynecologic sonography, Siegel MJ, Radiology 1991; **179:** 593

pediatric interventional procedures in the 1980s: a period of development, growth, and acceptance, Towbin RB, Radiology 1989; **170:** 1081

preparing the colon for the barium enema examination, Gelfand DW; Chen MYM; Ott DJ, Radiology 1991; **178:** 609

quality assurance in a nuclear medicine department, Lamki LM; Haynie TP; Podoloff DA; Kim EE, Radiology 1990; **177:** 609

radiologic evaluation of aortic dissection, Petasnick JP, Radiology 1991; **180:** 297

radiology and the new TNM classification of tumors: the future, Sobin LH; Ros PR, Radiology 1990; **176:** 1

radiology of esophagitis: a pattern approach, Levine MS, Radiology 1991; **179:** 1

radon: is it a problem?, Hart BL; Mettler FA Jr; Harley NH, Radiology 1989; **172:** 593

role of endoprostheses in the management of malignant biliary obstruction, McLean GK; Burke DR, Radiology 1989; **170:** 961

role of US in breast imaging, Jackson VP, Radiology 1990; **177:** 305

safety considerations in MR imaging, Kanal E; Shellock FG; Talagala L, Radiology 1990; **176:** 593

short vein grafts in limb-saving arterial reconstructions, Veith FJ; Gupta SK; Wengerter KR; Farrell E, JVIR 1990; **1:** 57

small (≤3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies, Bosniak MA, Radiology 1991; **179:** 307

surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607

surgical decision making for large bowel cancer metastatic to the liver, Sugarbaker PH, Radiology 1990; **174:** 621

temporomandibular joint imaging, Katzberg RW, Radiology 1989; **170:** 297

testicular germ cell tumors: review of contemporary evaluation and management, Steinfeld AD, Radiology 1990; **175:** 603

three-dimensional imaging, Fishman EK; Magid E; Ney DR; Chaney EL; Pizer SM; Rosenman JG; Levin DN; Vannier MW; Kuhlman JE; Robertson DD, Radiology 1991; **181:** 321

transrectal ultrasound in the diagnosis and staging of prostatic carcinoma, Lee F Jr; Torp-Pedersen ST; Siders DB; Littrup PJ; McLeary RD, Radiology 1989; **170:** 609

update on radiopharmaceuticals for medical imaging, McAfee JG, Radiology 1989; **171:** 593

urodynamics: the appropriate modality for the investigation of frequency, urgency, incontinence, and voiding difficulties, Saxton HM, Radiology 1990; **175:** 307

use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Op den Orth JO, Radiology 1989; **173:** 601

vascular applications of laser, Cragg AH; Gardiner GA Jr; Smith TP, Radiology 1989; **172:** 925

when is it malpractice to miss lung cancer on chest radiographs?, Potchen EJ; Bisesi MA, Radiology 1990; **175:** 29

Statistical analysis

collaborative evaluations of diagnostic tests: experience of the Radiology Diagnostic Oncology Group, Gatsonis C; McNeil BJ, Radiology 1990; **175:** 571

free-response methodology: alternate analysis and a new observer-performance experiment, Chakraborty DP; Winter LHL, Radiology 1990; **174:** 873

matchmaking and McNemar in the comparison of diagnostic modalities, Dwyer AJ, Radiology 1991; **178:** 328

place of statistical methods in radiology (and in the bigger picture), Hanley JA, Invest Radiol 1989; **24:** 10

status of clinical MR evaluations 1985–1988: baseline and design for further assessments, Beam CA; Sostman HD; Zheng J-Y, Radiology 1991; **180:** 265

time and disease: the fourth dimension of radiology, Dwyer AJ, Radiology 1989; **173:** 17

univariate and multivariate statistical analysis of high-grade gliomas: the relationship of radiation dose and other prognostic factors, Miller PJ; Hassanein RS; Giri PGS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 275

Steatocystoma multiplex

steatocystoma multiplex: appearance at mammography, Pollack AH; Kuerer HM, Radiology 1991; **180:** 836

Sterility

abdominal ultrasonography versus transvaginal scanning: accuracy in follicular development evaluation and prediction for oocyte retrieval in stimulated cycles, Bonilla-Musoles F; Pardo G; Perez-Gil M; et al, JCU 1989; **17:** 469

abnormalities of the seminal tract causing infertility: diagnosis with endorectal sonography, Abbitt PL; Watson L; Howards S, AJR 1991; **157:** 337

abnormal testicular function: potential of P-31 MR spectroscopy in diagnosis, van der Grond J; Laven JSE; te Velde ER; Mali WPTM, Radiology 1991; **179:** 433

comparison of implantation and early development of human embryos fertilized in vitro versus in vivo using transvaginal ultrasound, Pellicer A; Calatayud C; Miró F; et al, J Ultrasound Med 1991; **10:** 31

correlation of testicular color Doppler ultrasonography, physical examination and venography in the detection of left varicoceles in men with infertility, (ab), Petros JA; Andriole GL; Middleton WD; et al, Radiology 1991; **181:** 293

diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Lindequist S; Justesen P; Larsen C; Rasmussen F, Radiology 1991; **179:** 69

inability of sonography to detect imminent ovulation, Zandt-Stastny D; Thorsen MK; Middleton WD; et al, AJR 1989; **152:** 91

infertility diagnosis by ultrasound, Sanders RC, Urol Radiol 1991; **13:** 41

infertility: imaging of the female, Clark RL; Keefe B, Urol Radiol 1989; **11:** 233

in vivo human testicular function assessed with P-31 MR spectroscopy, Chew WM; Hricak H; McClure RD; Wendland MF, Radiology 1990; **177:** 743

is the corpus luteum normal after ovulation induction?, Lenz S; Lindenberg S, JCU 1990; **18:** 155

Müllerian duct cyst: ultrasonographic and computed tomographic spectrum, Higashi TS; Takizawa K; Suzuki S; et al, Urol Radiol 1990; **12:** 39

nonsurgical fallopian tube recanalization for treatment of infertility, Thurmond AS; Rösch J, Radiology 1990; **174:** 371

nonsurgical fallopian tube recanalization for treatment of infertility, Gleicher N; Confino E, Radiology 1990; **177:** 589

nonsurgical fallopian tube recanalization for treatment of infertility: reply, Thurmond AS, Radiology 1990; **177:** 589

oocyte retrieval in an in vitro fertilization–embryo transfer program: comparison of four methods, Wiseman DA; Short WB; Pattinson HA; Taylor PJ; Nicholson SF; Elliott PD; Fleetham JA; Mortimer ST, Radiology 1989; **173:** 99

peritubal adhesions in infertile women: diagnosis with hysterosalpingography, Karasick S; Goldfarb AF, AJR 1989; **152:** 777

proximal fallopian tube occlusion: diagnosis and treatment with transcervical fallopian tube catheterization, Kumpe DA; Zwerdlinger SC; Rothbarth LJ; Durham JD; Albrecht BH, Radiology 1990; **177:** 183

sonographic definition of the empty follicle syndrome, Hilgers TW; Dvorak AD; Tamisiea DF; et al, J Ultrasound Med 1989; **8:** 411

therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Rasmussen F; Lindequist S; Larsen C; Justesen P, Radiology 1991; **179:** 75

transvaginal color Doppler imaging, Kurjak A; Jurkovic D; Alfirevic Z; et al, JCU 1990; **18:** 227

transvaginal sonography: applications in infertility, Fleischer AC; Herbert CM III; Hill GA; et al, Semin US CT MR 1990; **11:** 71

transvaginal sonography of the endometrium during ovum pickup in stimulated cycles for in vitro fertilization, Welker BG; Gembruch U; Diedrich K; et al, J Ultrasound Med 1989; **8:** 549

transvaginal ultrasonically guided follicular aspiration: a comparative study with laparoscopically guided follicular aspiration, Gonen Y; Blanker J; Casper RF, JCU 1990; **18:** 257

transvaginal ultrasonography in the diagnosis and treatment of infertility, Itskovitz J; Boldes R; Levron J; et al, JCU 1990; **18:** 248

Sternum

atraumatic sternal fractures secondary to osteoporosis, Sapherson DA; Mitchell SCM, Clin Radiol 1990; **42:** 250

diagnosis of poststernotomy infection: comparison of three means of assessment, (ab), Browdie DA; Bernstein RW; Agnew R; et al, Radiology 1991; **181:** 611

does sternal fracture increase the risk for aortic rupture?, (ab), Sturm JT; Luxenberg MG; Moudry BM; et al, Radiology 1990; **176:** 294

Sternum, abnormalities

posteroanterior chest radiograph in depressed sternum, Ward CS; Halpin SFS; Wilson AG, Clin Radiol 1989; **40:** 139

Sternum, CT

chondrosarcoma of the sternum: CT features, Aoki J; Moser RP Jr; Kransdorf MJ, JCAT 1989; **13:** 806

Sternum, fractures

insufficiency fracture of the sternum caused by osteopenia: plain film findings in seven patients, Chen C; Chandnani VP; Kang HS; et al, AJR 1990; **154:** 1025

Sternum, MR

MR appearance of sternal hyperostosis, Bechtold RE; Karstaedt N; Wolfman NT, JCAT 1990; **14:** 136

Sternum, neoplasms

case report 535, Reed JD Jr; Fishman EK; Kuhlman JE; et al, Skeletal Radiol 1989; **18:** 161

case report 593, Boker SM; Cullen GM; Swank M; et al, Skeletal Radiol 1990; **19:** 77

chondrosarcoma of the sternum: CT features, Aoki J; Moser RP Jr; Kransdorf MJ, JCAT 1989; **13:** 806

spectrum of appearance of cold sternal metastases in adults, Oates E; Staudinger KM, Clin Nucl Med 1990; **14:** 702

sternal mass in a patient with Paget's disease, Dowling K; Hutto RL; Dowling EA, Invest Radiol 1991; **26:** 615

Sternum, radionuclide studies

severe hypoxemia secondary to acute sternal infarction in sickle cell anemia, Ballas SK; Park CH, J Nucl Med 1991; **32:** 1617

spectrum of appearance of cold sternal metastases in adults, Oates E; Staudinger KM, Clin Nucl Med 1990; **14:** 702

Steroids

corticosteroid pretreatment for potential contrast reactions in children with lymphoreticular cancer: a word of caution, Luna-Fineman S; Healy MV; Parker BR, AJR 1990; **155:** 357

Pneumocystis carinii pneumonia: effect of corticosteroid treatment on radiographic appearance in a patient with AIDS, Groskin SA; Stadnick ME; DuPont PG, Radiology 1991; **180:** 423

prognostic value of steroid receptor concentration and flow cytometrical DNA measurements in stage I–II endometrial carcinoma, Lindahl B; Alm P; Fernö M; et al, Acta Oncol 1989; **28:** 595

steroid receptor levels in breast cancer: relationships with age and menopausal status, Wilking N; Rutqvist LE; Nordenskjöld B; et al, Acta Oncol 1989; **28:** 807

Steroids, complications

acute ileus from steroid withdrawal simulating intestinal obstruction after surgery for ulcerative colitis, (ab), Stelzner M; Phillips JD; Fonkalsrud EW, Radiology 1991; **178:** 290

adverse reactions to contrast media: ionic and nonionic media and steroids, Lasser EC; Berry CC, Invest Radiol 1991; **26:** 402

comparison of the rates of adverse drug reactions: ionic contrast agents, ionic agents combined with steroids, and nonionic agents, Wolf GL; Mishkin MM; Roux SG; et al, Invest Radiol 1991; **26:** 404

corticosteroid treatment as a risk factor for invasive aspergillosis in patients with lung disease, (ab), Palmer LB; Greenberg HE; Schiff MJ, Radiology 1991; **181:** 291

epidural lipomatosis, Doppman JL, Radiology 1989; **171:** 581

limitations of quantitative CT in corticosteroid induced osteopenia, Karantanas AH; Kalef-Ezra JA; Glaros DC, Acta Radiol 1991; **32:** 339

steroid induced exophthalmos: a case report, Fan CJ; Goh KL; Wang F; et al, Australas Radiol 1989; **33:** 182

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Stomach, abnormalities

Campylobacter pylori and large gastric folds, Yardley JH, Radiology 1989; **171:** 609

early transvaginal sonographic diagnosis of gastroschisis, Kushnir O; Izquierdo LA; Vigil D; et al, JCU 1990; **18:** 194

enlarged gastric folds in association with *Campylobacter pylori* gastritis, Morrison S; Dahms BB; Hoffenberg E; Czinn SJ, Radiology 1989; **171:** 819

gastric torsion, Reddy ER; Onyett H; Fitzgerald GWN, J Canad Assoc Radiol 1989; **40:** 47

Helicobacter pylori gastritis mimicking gastric carcinoma at CT evaluation, Urban BA; Fishman EK; Hruban RH, Radiology 1991; **179:** 689

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

significance of transverse folds in the gastric antrum, Evans SE; Ferrando JR; Mike N, Clin Radiol 1990; **42:** 405

subtle gastric abnormalities in a canine model: detection with low-dose imaging with storage phosphors and its equivalence to conventional radiography, Shin JH; Oestmann J; Hall D; Cardenosa G; McCarthy KA; Mrose HE; Pile-Spellman E; Rubens JR; Greene RE, Radiology 1989; **172:** 399

Stomach, angiography

Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; **174:** 937

Stomach, CT

amyloidosis of the gastric stump: radiographic and CT findings, Bighi S; Trevisani L; Lupi L; et al, Gastrointest Radiol 1990; **15:** 197

computed tomography of the stomach with water as an oral contrast agent: technique and preliminary results, Baert AL; Roex L; Marchal G; et al, JCAT 1989; **13:** 633

CT of emphysematous gastritis, Williamson MR; Shah HR; Harper RR; et al, Comput Med Imag Graph 1989; **13:** 175

CT of the stomach and duodenum, Scatarige JC; DiSantis DJ, Radiol Clin North Am 1989; **27:** 687

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; **181:** 342

gastric air–fluid sign: aid in CT assessment of gastric wall thickening, Hammerman AM; Mirowitz SA; Susman N, Gastrointest Radiol 1989; **14:** 109

gastric antral vascular ectasia ("watermelon stomach"): radiologic findings, Urban BA; Jones B; Fishman EK; Kern SE; Ravich WJ, Radiology 1991; **178:** 517

gastric intramural pseudocyst: computed tomographic diagnosis, Milici LP; Markowitz SK, Gastrointest Radiol 1989; **14:** 113

gastric trichobezoars–sonographic and computed tomographic appearance, Newman B; Girdany BR, Pediatr Radiol 1990; **20:** 526

Helicobacter pylori gastritis mimicking gastric carcinoma at CT evaluation, Urban BA; Fishman EK; Hruban RH, Radiology 1991; **179:** 689

ingested raisins simulating abdominal calcifications, Steinberg AW; Lloyd R; Wood BP, Radiology 1990; **174:** 576

leiomyoma involving the gastrocolic ligament: CT demonstration, Goodman P; Raval B; Bonmati C; et al, Comput Med Imag Graph 1990; **14:** 431

preoperative staging of gastric cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Winawer SJ; Urmacher C; Brennan MF, Radiology 1991; **181:** 426

thickened gastric walls showing diffuse low attenuation on CT, Miyake H; Maeda H; Kurauchi S; et al, JCAT 1989; **13:** 253

use of water or air as oral contrast media for computed tomographic study of the gastric wall: comparison of the two techniques, Gossios KJ; Tsianos EV; Demou LL; et al, Gastrointest Radiol 1991; **16:** 293

Stomach, cysts

case of gastric duplication cyst with aberrant pancreas, Ueda D; Taketazu M; Itoh S; et al, Pediatr Radiol 1991; **21:** 379

gastric intramural pseudocyst: computed tomographic diagnosis, Milici LP; Markowitz SK, Gastrointest Radiol 1989; **14:** 113

gastric pneumatosis: sign of biliary stent–related perforation, Lowe GM; Bernfield JB; Smith CS; Matalon TAS, Radiology 1990; **174:** 1037

Stomach, diseases

chronic granulomatous disease of childhood: report of two cases with unusual involvement of the gastric antrum and spleen, Orduña M; González de Orbe G; Gordillo MI; et al, Eur J Radiol 1989; **9:** 67

gastric manifestations of AIDS: radiographic findings on upper gastrointestinal examination, Falcone S; Murphy BJ; Weinfeld A, Gastrointest Radiol 1991; **16:** 95

Ménétrier's disease with lymphocytic gastritis: an unusual association with possible pathogenic implications, (ab), Haot J; Bogomoletz WV; Jouret A; et al, Radiology 1991; **181:** 290

radiology of secondary amyloidosis of the stomach in a patient with rheumatoid arthritis, Kawamura S; Imai A; Kawamura M; et al, Br J Radiol 1991; **64:** 626

sonographic appearance of Ménétrier's disease in a child, Gassner I; Strasser K; Bart G; et al, J Ultrasound Med 1990; **9:** 537

toxoplasmosis of the stomach: a cause of antral narrowing, Smart PE; Weinfeld A; Thompson NE; Defortuna SM, Radiology 1990; **174:** 369

Stomach, function

intravenous erythromycin dramatically accelerates gastric emptying in gastroparesis diabeticorum and normals and abolishes the emptying discrimination between solids and liquids, Urbain JLC; Vantrappen G; Janssens J; et al, J Nucl Med 1990; **31:** 1490

model of gastric emptying in cats shows solid emptying is promoted by MK-329: a CCK antagonist, Gould RJ; Fioravanti C; Cook PG; et al, J Nucl Med 1990; **31:** 1494

Stomach, hemorrhage

bleeding marginal ulcers: angiographic evaluation, Oglevie SB; Smith DC; Mera SS, Radiology 1990; **174:** 943

Dieulafoy disease: a real entity?, Palmaz JC; Waltman AC, Radiology 1990; **174:** 942

Dieulafoy disease: arteriographic findings and treatment, Durham JD; Kumpe DA; Rothbarth LJ; Van Stiegmann G, Radiology 1990; **174:** 937

gastric antral vascular ectasia ("watermelon stomach"): radiologic findings, Urban BA; Jones B; Fishman EK; Kern SE; Ravich WJ, Radiology 1991; **178:** 517

gastric hematoma and pneumatosis in child abuse, Fulcher AS; Das Narla L; Brewer WH, AJR 1990; **155:** 1283

Stomach, infarction

gastric and hepatic infarction following embolization of the left gastric artery: case report, Brown KT; Friedman WN; Marks RA; Saddekni S, Radiology 1989; **172:** 731

gastric and splenic infarction: a complication of intraarterial vasopressin infusion, Sweren BS; Bohlman ME, Cardiovasc Intervent Radiol 1989; **12:** 207

Stomach, infection

campylobacter gastritis simulating Menetrier's disease by upper gastrointestinal radiography, Chaloupka JC; Gay BB Jr; Caplan D, Pediatr Radiol 1990; **20:** 200

Campylobacter pylori and large gastric folds, Yardley JH, Radiology 1989; **171:** 609

enlarged gastric folds in association with *Campylobacter pylori* gastritis, Morrison S; Dahms BB; Hoffenberg E; Czinn SJ, Radiology 1989; **171:** 819

gastric manifestations of AIDS: radiographic findings on upper gastrointestinal examination, Falcone S; Murphy BJ; Weinfeld A, Gastrointest Radiol 1991; **16:** 95

Helicobacter pylori gastritis mimicking gastric carcinoma at CT evaluation, Urban BA; Fishman EK; Hruban RH, Radiology 1991; **179:** 689

Stomach, inflammation

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Stomach, interventional procedure

balloon catheter dilatation for hypertrophic pyloric stenosis, (ab), Hayashi AH; Giacomantonio JM; Lau HYC; et al, JVIR 1991; **2:** 296

fluoroscopically guided percutaneous gastrostomy and gastroenterostomy: analysis of 158 consecutive cases, Hicks ME; Surratt RS; Picus D; et al, AJR 1990; **154:** 725

modified gastrojejunostomy tube: percutaneous placement for gastric decompression and jejunal feeding, Grassi CJ, Radiology 1989; **173:** 875

percutaneous gastrostomy: a clinical and experimental study, Lindberg C-G; Ivancev K; Kan Z; et al, Acta Radiol 1991; **32:** 302

percutaneous gastrostomy with gastropexy: experience in 125 patients, Saini S; Mueller PR; Gaa J; et al, AJR 1990; **154:** 1003

postgastrostomy tube deformity on upper GI series, Hammerman AM; Shady K; Fry R; et al, Gastrointest Radiol 1991; **16:** 13

Stomach, motility

altered gastric and duodenal motility in intestinal obstruction, Hunter TB; Fajardo LL; Jarvis JL; et al, Gastrointest Radiol 1990; **15:** 193

gastrointestinal tract: dynamic MR studies with echo-planar imaging, Stehling MK; Evans DF; Lamont G; Ordidge RJ; Howseman AM; Chapman B; Coxon R; Mansfield P; Hardcastle JD; Coupland RE, Radiology 1989; **171:** 41

Stomach, MR

gastrointestinal tract: dynamic MR studies with echo-planar imaging, Stehling MK; Evans DF; Lamont G; Ordidge RJ; Howseman AM; Chapman B; Coxon R; Mansfield P; Hardcastle JD; Coupland RE, Radiology 1989; **171:** 41

role of membrane water permeability in characterization of pathologically altered human stomach tissues: NMR studies, Srejić R; Popov DV; Boričić I; et al, Magn Res Med 1990; **15:** 469

Stomach, mucosa

detection of gastric erosions: comparison of biphasic radiography with fiberoptic endoscopy, Shaw PC; van Romunde LKJ; Griffioen G; Janssens AR; Kreuning J; Lamers CBHW, Radiology 1991; **178:** 63

gastric antral vascular ectasia ("watermelon stomach"): radiologic findings, Urban BA; Jones B; Fishman EK; Kern SE; Ravich WJ, Radiology 1991; **178:** 517

gastric antral webs in adults, Travis RC, Australas Radiol 1990; **34:** 266

gastroduodenal mucosa in uremia: endoscopic and histological correlation and prevalence of helicobacter-like organisms, (ab), Wee A; Kang JY; Ho MS; et al, Radiology 1991; **179:** 291

heterotopic gastric mucosa in the duodenal bulb: relationship to peptic ulcer, Smithuis RHM; Vos CG, AJR 1989; **152:** 59

heterotopic gastric mucosa of the duodenum mimicking a duodenal cancer, Yoshimitsu K; Yoshida M; Motooka M; et al, Gastroint.est Radiol 1989; **14:** 115

Stomach, neoplasms

case report: indolent gastric epithelioid leiomyosarcoma in Carney's triad, Evans RA; Salisbury JR; Gimson A; et al, Clin Radiol 1990; **42:** 437

case report: uterine metastasis from stomach cancer: radiological findings, Kim SH; Hwang HY; Choi BI, Clin Radiol 1990; **42:** 285

Cronkhite–Canada syndrome: radiologic features, Dachman AH; Buck JL; Burke AP; et al, Gastrointest Radiol 1989; **14:** 285

differential diagnosis of gastric adenoma and type IIA early gastric cancer, Tsuchigame T; Ogata Y; Sumi M; et al, Acta Radiol 1991; **32:** 37

early gastric cancer: twenty-eight-year experience, (ab), Lawrence M; Shiu MH, Radiology 1991; **181:** 610

endoscopic ultrasonography of gastric myogenic tumor: a comparative study between histology and ultrasonography, Nakazawa S; Yoshino J; Nakamura T; et al, J Ultrasound Med 1989; **8:** 353

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; **181:** 342

esophageal carcinoma multiplex with gastric metastasis, Davis M; Gogel H; McIntire C; et al, Gastrointest Radiol 1989; **14:** 6

esophagogastric carcinoma: preoperative TNM classification with endosonography, Tio TL; Coene PPLO; Schouwink MH; Tytgat GNJ, Radiology 1989; **173:** 411

evaluation of tumor growth rate in patients with early gastric carcinoma of the elevated type, Haruma K; Suzuki T; Tsuda T; et al, Gastrointest Radiol 1991; **16:** 289

fundic gland polyposis occurring with adult celiac disease, Doris I; Qizilbash A; Meghji M, J Canad Assoc Radiol 1990; **41:** 149

gastric carcinoma in patients with Crohn disease: report of four cases, Glick SN, AJR 1991; **157:** 311

gastric inflammatory pseudotumor in children, Maves CK; Johnson JF; Bove K; Malott RL, Radiology 1989; **173:** 381

gastric mass, Soulen MC; Young WC, Invest Radiol 1990; **25:** 865

gastrinomas: clinical symdromes, Stadil F, Acta Oncol 1989; **28:** 379

gastrosplenic fistula: complication of adenocarcinoma of stomach, Krause R; Larsen CR; Scholz FJ, Comput Med Imag Graph 1990; **14:** 273

giant hyperplastic polyps of the gastric remnant simulating carcinoma, Glick SN; Teplick SK; Amenta PS, Gastrointest Radiol 1990; **15:** 151

Helicobacter pylori gastritis mimicking gastric carcinoma at CT evaluation, Urban BA; Fishman EK; Hruban RH, Radiology 1991; **179:** 689

impact of new radiotherapy modalities on the surgical management of cancer of the esophagus and cardia, Flores AD; Nelems B; Evans K; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 937

intraoperative and external beam radiotherapy in advanced resectable gastric cancer: technical description and preliminary results, Calvo FA; Henriquez I; Santos M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 183

ossified leiomyoma of the stomach: demonstration on computed tomography, Savit RM; Horrow MM; Agarwal P, Br J Radiol 1989; **62:** 79

patterns of failure following curative resection of gastric carcinoma, Landry J; Tepper JE; Wood WC; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1357

polypoid Menetrier's disease associated with acromegaly, Chang PJ; Nino-Murcia M; Kosek J, Gastrointest Radiol 1990; **15:** 61

preoperative evaluation of gastric cancer by endoscopic ultrasound, (ab), Akahoshi K; Misawa T; Fujishima H; et al, Radiology 1991; **181:** 610

preoperative staging of gastric cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Winawer SJ; Urmacher C; Brennan MF, Radiology 1991; **181:** 426

rising incidence of adenocarcinoma of the esophagus and gastric cardia, (ab), Blot WJ; Devesa SS; Kneller RW; et al, Radiology 1991; **180:** 882

risk of gastrointestinal and other primary malignant diseases following gastric cancer, Lundegårdh G; Hansson L-E; Nyrén O; et al, Acta Oncol 1991; **30:** 1

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

scirrhous carcinoma of the stomach: radiologic and endoscopic diagnosis, Levine MS; Kong V; Rubesin SE; Laufer I; Herlinger H, Radiology 1990; **175:** 151

scirrhous carcinoma of the stomach versus hypertrophic gastritis: findings at endoscopic US, Fujishima H; Misawa T; Chijiiwa Y; Maruoka A; Akahoshi K; Nawata H, Radiology 1991; **181:** 197

sonographic findings in glomus tumor of the stomach, Dupuy DE; Raptopoulos V; Meyer D; et al, JCU 1989; **17:** 219

synchronous early gastric cancer, Brandt D; Muramatsu Y; Ushio K; Mizuguchi Y; Itabashi M; Yoshida S; Moriyama N; Nawano S; Ishikawa T; Yamada T; Hirota T; Maruyama K, Radiology 1989; **173:** 649

ultrasonographic findings in gastric cancer: in vitro and in vivo studies, Miyamoto Y; Nakatani M; Ida M; et al, JCU 1989; **17:** 309

ultrasound diagnosis of a solitary gastric metastasis, De Wilde V; Voet D; Dhont M; et al, JCU 1989; **17:** 678

Stomach, pneumatosis
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See Stomach, neoplasms

Stomach, radiography

atrophic gastritis in pernicious anemia: diagnosis by double-contrast radiography, Levine MS; Palman CL; Rubesin SE; et al, Gastrointest Radiol 1989; **14:** 215

brief communication: a simple model for teaching double-contrast examinations of the gastrointestinal tract, Munro TG, J Canad Assoc Radiol 1989; **40:** 162

double contrast barium meal and acetylcysteine, Kinnunen J; Pietilä J; Ahovuo J; et al, Eur J Radiol 1989; **9:** 258

gastric bubble: Roentgen observations, Gurney JW; Olson DL; Schroeder BA, Radiographics 1989; **9:** 467

morning or afternoon barium meal? diurnal variation and the effectiveness of gastric mucosal coating during double-contrast studies, Massoud TF; Nolan DJ, Clin Radiol 1990; **42:** 407

routine upper gastrointestinal examination, Hall FM, Radiology 1989; **171:** 283

routine upper gastrointestinal examination: reply, Levine MS; Laufer I; Rubesin SE; Herlinger H, Radiology 1989; **171:** 284

use of barium in evaluation of disorders of the upper gastrointestinal tract: current status, Op den Orth JO, Radiology 1989; **173:** 601

Stomach, radionuclide studies

appearance of Ga-67 in the stomach from duodenogastric reflux, Chamovitz DL; Knobel B, Clin Nucl Med 1991; **16:** 278

confirmation of short solid-food lag phase by continuous monitoring of gastric emptying, Christian PE; Datz FL; Moore JG, J Nucl Med 1991; **32:** 1349

continuous anterior acquisitions in gastric emptying: comparison with the mean, Roland J; Dobbeleir A; Ham HR; et al, Clin Nucl Med 1989; **14:** 881

effect of meal energy content on gastric emptying, Velchik MG; Reynolds JC; Alavi A, J Nucl Med 1989; **30:** 1106

gastric pertechnetate contribution to blood pool images, Levine GM; Rosenberg RJ; Sziklas JJ; et al, Clin Nucl Med 1989; **14:** 436

gastric visualization by Ga-67 scintigraphy and coarse gastric mucosa in a patient with Hodgkin's disease in remission, Hardoff R; Quitt M; Agahai E, Clin Nucl Med 1991; **16:** 124

indium-111 WBC detection of emphysematous gastritis in pancreatitis, Caruana V; Swayne LC; Salaki JS, J Nucl Med 1990; **31:** 112

left anterior oblique projection and peak-to-scatter ratio for attenuation compensation of gastric emptying studies, Fahey FH; Ziessman HA; Collen MJ; et al, J Nucl Med 1989; **30:** 233

linear gastric emptying of hyperosmolar glucose solutions, Phillips WT; Schwartz JG; Blumhardt R; et al, J Nucl Med 1991; **32:** 377

scintigraphic evaluation of gastric emptying: are radiolabeled solids necessary?, Siegel JA; Krevsky B; Maurer AH; et al, Clin Nucl Med 1989; **14:** 40

use of technetium-99m(V)thiocyanate to measure gastric emptying of fat, Cunningham KM; Baker RJ; Horowitz M; et al, J Nucl Med 1991; **32:** 878

Stomach, reflux

appearance of Ga-67 in the stomach from duodenogastric reflux, Chamovitz DL; Knobel B, Clin Nucl Med 1991; **16:** 278

complete duodenogastric reflux: a scintigraphic sign of significant duodenal pathology, Drane WE; Hanner JS, J Nucl Med 1989; **30:** 1568

duodenal hematoma: a mechanical cause for enterogastric reflux in cholescintigraphy, Mintz A; Rosenson A; Saltiel AA; et al, Clin Nucl Med 1991; **16:** 490

problems of duodenogastric reflux in Tc-99m Hexa MIBI planar, tomographic and bull's eye display, Hassan IM; Mohammad MMJ; Constantinides C; et al, Clin Nucl Med 1989; **14:** 286

proposal of a modified scintigraphic method to evaluate duodenogastroesophageal reflux, Borsato N; Bonavina L; Zanco P; et al, J Nucl Med 1991; **32:** 436

Stomach, stenosis or obstruction

small bowel phytobezoars: detection with radiography, Verstandig AG; Klin B; Bloom RA; Hadas I; Libson E, Radiology 1989; **172:** 705

Stomach, surgery

pylorus-preserving Whipple pancreaticoduodenectomy: postoperative evaluation, Trerotola SO; Jones B; Crist DW; Cameron JL, Radiology 1989; **171:** 735

relationship of a satisfactory outcome to normalization of delayed gastric emptying after Nissen fundoplication, (ab), Hinder RA; Stein HJ; Bremner CG; et al, Radiology 1990; **175:** 587

retrograde intussusception of the bypassed duodenojejunal segment after Roux-en-Y gastrectomy: computed tomography findings, Denath FM; Kweka EL, J Canad Assoc Radiol 1991; **42:** 135

septic shock after percutaneous transhepatic drainage of obstructed afferent loop: case report, Morita S; Takemura T; Matsumoto S; et al, Cardiovasc Intervent Radiol 1989; **12:** 66

total fundoplication gastroplasty: surgical procedure and radiologic appearance, Zalev AH; Henderson RD; Marryatt GV, J Canad Assoc Radiol 1989; **40:** 12

Stomach, therapeutic radiology

impact of new radiotherapy modalities on the surgical management of cancer of the esophagus and cardia, Flores AD; Nelems B; Evans K; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 937

intraoperative and external beam radiotherapy in advanced resectable gastric cancer: technical description and preliminary results, Calvo FA; Henriquez I; Santos M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 183

Stomach, ulcer
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Stomach. US

endoscopic ultrasonography of gastric myogenic tumor: a comparative study between histology and ultrasonography, Nakazawa S; Yoshino J; Nakamura T; et al, J Ultrasound Med 1989; **8:** 353

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; **181:** 342

fluid-aided sonography of the stomach and duodenum in the diagnosis of peptic ulcer disease in adult patients, Joharjy IA; Mustafa MA; Zaidi AJ, J Ultrasound Med 1990; **9:** 77

gastric fluid detected by sonography in fasting patients: relation to duodenal ulcer disease and gastric-outlet obstruction, Smithuis RHM; Op den Orth JO, AJR 1989; **153:** 731

gastric trichobezoars–sonographic and computed tomographic appearance, Newman B; Girdany BR, Pediatr Radiol 1990; **20:** 526

preoperative evaluation of gastric cancer by endoscopic ultrasound, (ab), Akahoshi K; Misawa T; Fujishima H; et al, Radiology 1991; **181:** 610

preoperative staging of gastric cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Winawer SJ; Urmacher C; Brennan MF, Radiology 1991; **181:** 426

scirrhous carcinoma of the stomach versus hypertrophic gastritis: findings at endoscopic US, Fujishima H; Misawa T; Chijiiwa Y; Maruoka A; Akahoshi K; Nawata H, Radiology 1991; **181:** 197

sonographic findings in glomus tumor of the stomach, Dupuy DE; Raptopoulos V; Meyer D; et al, JCU 1989; **17:** 219

thickened stomach—an ultrasound sign of portal hypertension, Saverymuttu SH; Corbishley CM; Maxwell JD; et al, Clin Radiol 1990; **41:** 17

ultrasonic appearance of secondary amyloidosis involving the stomach in rheumatoid arthritis, Kawamura S; Imai A; Kawamura M; et al, JCU 1991; **19:** 421

ultrasonic examination of the wall of the fluid-filled stomach, Worlicek H; Dunz D; Engelhard K, JCU 1989; **17:** 5

ultrasonographic findings in gastric cancer: in vitro and in vivo studies, Miyamoto Y; Nakatani M; Ida M; et al, JCU 1989; **17:** 309

ultrasound diagnosis of a solitary gastric metastasis, De Wilde V; Voet D; Dhont M; et al, JCU 1989; **17:** 678

Stomach, varices

direct catheterization of the mesenteric vein: combined surgical and radiologic approach to the treatment of variceal hemorrhage, Durham JD; Kumpe DA; Van Stiegmann G; Goff JS; Subber SW; Rothbarth LJ, Radiology 1990; **177:** 229

isolated gastric varices: splenic vein obstruction or portal hypertension, (ab), Levine MS; Kieu K; Rubesin SE; et al, JVIR 1991; **2:** 297

isolated gastric varices: splenic vein obstruction or portal hypertension?, Levine MS; Kieu K; Rubesin SE; et al, Gastrointest Radiol 1990; **15:** 188

mimimally invasive devascularization for variceal bleeding that could not be controlled with sclerotherapy, (ab), Berman HL; DelGuercio LRM; Katz SG; et al, Radiology 1989; **171:** 293

treatment of variceal hemorrhage, Berman HL; DelGuercio LRM; Katz SG, Radiology 1991; **179:** 285

treatment of variceal hemorrhage: reply, Durham JD; Van Stiegmann G, Radiology 1991; **179:** 286

Stomach, volvulus

gastric torsion, Reddy ER; Onyett H; Fitzgerald GWN, J Canad Assoc Radiol 1989; **40:** 47

Streptokinase

fibrinolytic therapy for upper-extremity arterial occlusions, Widlus DM; Venbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr, Radiology 1990; **175:** 393

fibrinolytic therapy for upper extremity occlusions, Morse MH; Baker AR, Radiology 1991; **178:** 580

intraoperative infusion of lytic drugs for thrombotic complications of revascularization, (ab), Quiñones-Baldrich WJ; Baker JD; Busuttil RW; et al, Radiology 1990; **175:** 590

lower-extremity in situ saphenous vein grafts: angiographic interventions, Sniderman KW; Kalman PG; Shewchun J; Goldberg REA, Radiology 1989; **170:** 1023

relative cost-effectiveness of urokinase versus streptokinase in the treatment of peripheral vascular disease, van Breda A; Graor RA; Katzen BT; Risius B; Gillings D, JVIR 1991; **2:** 77

spurious recurrence of pulmonary embolism after streptokinase therapy, Stewart CA; Hung G-L; Woodworth C, Clin Nucl Med 1991; **16:** 49

streptokinase therapy for extensive venous thromboses in a patient with severe ulcerative colitis, (ab), Van Woert JH; Thompson RC; Cangemi JR; et al, JVIR 1990; **1:** 137

Subclavian steal syndrome

coronary-subclavian steal syndrome: report of a case and recommendations for prevention and management, (ab), Marshall WG; Miller EC; Kouchoukos NT, Radiology 1989; **170:** 587

Doppler diagnosis of partial vertebral/subclavian steals convertible to full steals with physiologic maneuvers, Kotval PS; Babu SC; Shah PM, J Ultrasound Med 1990; **9:** 207

Doppler diagnosis of subclavian steal due to arteriovenous hemodialysis fistula in the ipsilateral arm, Kotval PS; Shah PM; Berman H, J Ultrasound Med 1989; **8:** 697

Dopplersonographic diagnosis of subclavian steal in infants with coarctation of the aorta and interrupted aortic arch, Deeg KH; Singer H, Pediatr Radiol 1989; **19:** 163

Substantia nigra

MR microscopy at 7.0 T: effects of brain iron, Malisch TW; Hedlund LW; Suddarth SA; Johnson GA, JMRI 1991; **1:** 301

Subtraction, dual-energy

accuracy of dual-energy radiographic absorptiometry of the lumbar spine: cadaver study, Ho CP; Kim RW; Schaffler MB; Sartoris DJ, Radiology 1990; **176:** 171

axial bone density in rheumatoid arthritis: comparison of dual-energy projection radiography and dual-photon absorptiometry, O'Malley M; Kenrick AJ; Sartoris DJ; Hochberg AM; Weisman MH; Ramos E; Zvaifler N; Resnick D, Radiology 1989; **170:** 501

development of a high-resolution digital tomosynthesis system and its clinical application, Sone S; Kasuga T; Sakai F; Aoki J; Izuno I; Tanizaki Y; Shigeta H; Shibata K, Radiographics 1991; **11:** 807

quantitative dual-energy radiographic absorptiometry of the lumbar spine: in vivo comparison with dual-photon absorptiometry, Borders J; Kerr E; Sartoris DJ; Stein JA; Ramos E; Moscona AA; Resnick D, Radiology 1989; **170:** 129

single-exposure dual-energy computed radiography: improved detection and processing, Ergun DL; Mistretta CA; Brown DE; Bystrianyk RT; Sze WK; Kelcz F; Naidich DP, Radiology 1990; **174:** 243

Sum and substance

angiodysplasia: characterization, diagnosis, and advances in treatment, Helmrich GA; Stallworth JR; Brown JJ, Reviewed by Bussen S, Radiology 1991; **180:** 312

anterior cruciate ligament, Bessette GC; Hunter RE, Reviewed by Halibey D, Radiology 1991; **179:** 398

autosomal dominant polycystic kidney disease: more than a renal disease, Gabow PA, Reviewed by Schulze K, Radiology 1991; **180:** 100

clinicopathologic features of nephroblastomatosis, Hennigar RA; Othersen HB Jr; Garvin AJ, Reviewed by Schulze K, Radiology 1989; **173:** 658

computed tomography versus magnetic resonance imaging of the pediatric central nervous system: techniques, indications, and examples, Gusnard DA; Zimmerman RA, Reviewed by Crabtree K, Radiology 1991; **179:** 154

etiology and pathophysiology of pyelonephritis, Roberts JA, Reviewed by Piepenburg KE, Radiology 1991; **180:** 718

gastrointestinal tract as an immunologic organ: state of the art, Bienenstock J; Ernst PB; Underdown BJ, Reviewed by Van Every N, Radiology 1989; **171:** 670

granulomatous vasculitides of the lung: a clinicopathologic approach to diagnosis and treatment, Warren J; Pitchenik AE; Saldana MJ, Reviewed by Harmon SP, Radiology 1989; **173:** 450

Helicobacter pylori, Drumm B, Reviewed by Lang DB, Radiology 1991; **179:** 680

idiopathic retroperitoneal fibrosis: past and present, Stewart TW Jr, Reviewed by Simonaitis A, Radiology 1990; **175:** 514

inhalation injury: a review of the literature, Mosley S, Reviewed by Arnold RE, Radiology 1989; **172:** 74

Kawasaki syndrome: clinical features, pathophysiology, etiology and therapy, Melish ME; Hicks RV, Reviewed by Crabtree K, Radiology 1991; **181:** 168

Lyme disease: clinical manifestations, diagnosis, and treatment, Rahn DW, Reviewed by Hood PB, Radiology 1991; **181:** 414

mechanisms and prevention of arterial injuries caused by balloon embolectomy, Dobrin PB, Reviewed by Van Every N, Radiology 1990; **174:** 746

metabolic evaluation of urolithiasis, Seftel A; Resnick MI, Reviewed by Larsen W, Radiology 1991; **178:** 694

musculoskeletal syndromes associated with acne, Knitzer RH; Needleman BW, Reviewed by Schulze K, Radiology 1991; **181:** 52

overview of intimal hyperplasia, Chervu A; Moore WS, Reviewed by Hood PB, Radiology 1991; **180:** 378

pathophysiology of gastroesophageal reflux, Altorki NK; Skinner DB, Reviewed by Laxgang JA, Radiology 1990; **174:** 342

perinephric abscess, Edelstein H; McCabe RE, Reviewed by Lang DB, Radiology 1989; **172:** 426

pharmacology of the sphincter of Oddi, Staritz M, Reviewed by Davis M, Radiology 1990; **174:** 146

physiology of the human sphincter of Oddi, Torsoli A, Reviewed by Davis M, Radiology 1990; **174:** 146

Pneumocystis carinii pneumonia in human immunodeficiency virus-infected patients, Glatt AE; Chirgwin K, Reviewed by Schulze K, Radiology 1990; **176:** 184

polycystic ovarian disease, Barbieri RL, Reviewed by Larsen W, Radiology 1991; **181:** 878

reflux nephropathy in adults, Zucchelli P; Gaggi R, Reviewed by Bussen SV, Radiology 1991; **181:** 862

retroperitoneal fibrosis: a report of selected cases and a review of the literature, Buff DD; Bogin MB; Faltz LL, Reviewed by Simonaitis A, Radiology 1990; **175:** 514

screening for osteoporosis, Melton LJ III; Eddy DM; Johnston CC Jr, Reviewed by Davis M, Radiology 1990; **176:** 478

sinusitis, Friedman RA; Harris JP, Reviewed by Piepenburg KE, Radiology 1991; **181:** 688

solitary rectal ulcer syndrome: aetiology, investigation, and management, Mackie EJ; Parks TG, Reviewed by Larsen W, Radiology 1991; **180:** 622

Surfactant

bovine surfactant replacement therapy in neonates of less than 30 weeks' gestation: a randomized controlled trial of prophylaxis versus treatment, (ab), Dunn MS; Shennan AT; Zayack D; et al, Radiology 1991; **181:** 615

comparison of surfactant as immediate prophylaxis and as rescue therapy in newborns of less than 30 weeks' gestation, (ab), Kendig JW; Notter RH; Cox C; et al, Radiology 1991; **181:** 615

findings on chest radiographs after prophylactic pulmonary surfactant treatment of premature infants, Clarke EA; Siegle RL; Gong AK, AJR 1989; **153:** 799

Surgery, complications

acute aortic occlusion as a late complication of coarctation repair, Williams CR; Nilakhe V; Clouse ME, Cardiovasc Intervent Radiol 1989; **12:** 286

arthritis: roles of radiography and other imaging techniques in evaluation, Kaye JJ, Radiology 1990; **177:** 601

biliary complications after transplantation in children: role of imaging modalities, Pariente D; Bihet MH; Tammam S; et al, Pediatr Radiol 1991; **21:** 175

complications of automatic implantable cardioverter defibrillators: radiographic, CT, and echocardiographic evaluation, Goodman LR; Almassi GH; Troup PJ; Gurney JW; Veseth-Rogers J; Chapman PD; Wetherbee JN, Radiology 1989; **170:** 447

CT diagnosis of postoperative abdominal complications, Ghahremani GG; Gore RM, Radiol Clin North Am 1989; **27:** 787

diagnosis of poststernotomy infection: comparison of three means of assessment, (ab), Browdie DA; Bernstein RW; Agnew R; et al, Radiology 1991; **181:** 611

giant prostatic fossa with misleading radiographic features, Stenzl A; Fuchs GJ, Urol Radiol 1989; **11:** 169

hyperamylasemia after cardiac surgery: incidence, significance, and management, (ab), Rattner DW; Gu Z-Y; Vlahakes GJ; et al, Radiology 1989; **173:** 289

ileal J pouch: radiologic evaluation in patients with and without postoperative infectious complications, Brown JJ; Balfe DM; Heiken JP; Becker JM; Soper NJ, Radiology 1990; **174:** 115

intra-abdominal sepsis after hepatic resection, (ab), Pace RF; Blenkharn JI; Edwards WJ; et al, Radiology 1989; **172:** 883

metallic staples refluxing to the upper urinary tract: a source of renal calculi in patients with ileal conduit urinary diversion, McCarthy P; Cheung L; Hanno P; et al, Br J Radiol 1991; **64:** 467

myocardial scintigraphy with Tc-99m TBI in a 6-month-old infant with myocardial infarction after Mustard operation, Sandrock D; Franke U-C; Herborn G; et al, Clin Nucl Med 1989; **14:** 381

pseudo-aneurysm of the popliteal artery following an arthroscopic meniscectomy: report of a pediatric case, Ben Romdhane H; Neuenschwander S; Hautefort P; et al, Pediatr Radiol 1991; **21:** 228

pylorus-preserving Whipple pancreaticoduodenectomy: postoperative evaluation, Trerotola SO; Jones B; Crist DW; Cameron JL, Radiology 1989; **171:** 735

risk factors for nosocomial pneumonia after coronary artery bypass graft operations, (ab), Gaynes R; Bizek B; Mowry-Hanley J; et al, Radiology 1991; **181:** 611

role of interventional radiology for complications of cholecystectomy, (ab), vanSonnenberg E; Casola G; Wittich GR; et al, Radiology 1990; **177:** 890

septic shock after percutaneous transhepatic drainage of obstructed afferent loop: case report, Morita S; Takemura T; Matsumoto S; et al, Cardiovasc Intervent Radiol 1989; **12:** 66

transabdominal and transvaginal ultrasonography of uterine perforation following suction curettage, Forster BB; Siu CM; Murray JB; et al, J Canad Assoc Radiol 1989; **40:** 318

Swallowing

See Pharynx

Synovial membrane

fluid-fluid level: a nonspecific finding in tumors of bone and soft tissue, Tsai JC; Dalinka MK; Fallon MD; Zlatkin MB; Kressel HY, Radiology 1990; **175:** 779

MR imaging of synovial sarcoma, Morton MJ; Berquist TH; McLeod RA; et al, AJR 1991; **156:** 337

synovial membrane: percutaneous biopsy, Beaulé V; Larêdo J-D; Cywiner C; Bard M; Tubiana J-M, Radiology 1990; **177:** 581

synovial sarcoma in the neck of an eleven month old girl, Kester NL, Pediatr Radiol 1990; **20:** 487

synovial sarcoma seen on bone scan, Rice S; Stewart CA, Clin Nucl Med 1990; **15:** 445

Synovial membrane, cysts

calcified synovial cyst of the cervical spine: CT and MR evaluation, Nijensohn E; Russell EJ; Milan M; et al, JCAT 1990; **14:** 473

case report: acute extradural compression due to an intraspinal synovial cyst: CT and myelogram appearances, Sampson MA; Warren SJ, Clin Radiol 1990; **41:** 433

giant synovial cyst associated with a pseudoarthrosis of a rib: MR appearance, Morris CS; Beltran JL, AJR 1990; **155:** 337

intraspinal synovial cysts: MR imaging, Jackson DE Jr; Atlas SW; Mani JR; Norman D, Radiology 1989; **170:** 527

juxtaacetabular ganglionic (or synovial) cysts: CT and MR features, Haller J; Resnick D; Greenway G; et al, JCAT 1989; **13:** 976

lumbar synovial cysts: correlation of myelographic, CT, MR, and pathologic findings, Silbergleit R; Gebarski SS; Brunberg JA; et al, AJNR 1990; **11:** 777

synovial cyst presenting as a neural foraminal lesion: MR and CT appearance, Maupin WB; Naul LG; Kanter SL; et al, AJR 1989; **153:** 1231

synovial cysts in the lumbar spine: MR characteristics, Rosenblum J; Mojtahedi S; Foust RJ, AJNR 1989; **10:** S94

synovial cysts of the lumbosacral spine: diagnosis by MR imaging, Liu SS; Williams KD; Drayer BP; et al, AJR 1990; **154:** 163

Synovitis

arthritis: roles of radiography and other imaging techniques in evaluation, Kaye JJ, Radiology 1990; **177:** 601

case report 563, Sundaram M; Chalk D; Merenda J; et al, Skeletal Radiol 1989; **18:** 463

case report 590, Pignatti G; Mignami G; Bacchini P; et al, Skeletal Radiol 1990; **19:** 65

case repot 578, Sher M; Lorigan JG; Ayala AG; et al, Skeletal Radiol 1990; **19:** 131

imaging of pigmented villonodular synovitis with emphasis on MR imaging, Jelinek JS; Kransdorf MJ; Utz JA; et al, AJR 1989; **152:** 337

MRI of the knee in diffuse pigmented villonodular synovitis, Steinbach LS; Neumann CH; Stoller DW; et al, Clin Imag 1989; **13:** 305

pigmented villonodular synovitis containing coarse calcifications, Baker ND; Klein JD; Weidner N; et al, AJR 1989; **153:** 1228

pigmented villonodular synovitis of the knee: computed tomographic appearances, Butt WP; Hardy G; Ostlere SJ; et al, Skeletal Radiol 1990; **19:** 191

pitfalls in ultrasonography of hip joint synovitis in the child, Egund N; Wingstrand H, Acta Radiol 1989; **30:** 375

rheumatoid arthritis: evaluation of hypervascular and fibrous pannus with dynamic MR imaging enhanced with Gd-DTPA, König H; Sieper J; Wolf K-J, Radiology 1990; **176:** 473

subchondral lucencies and synovial disease: a case report and discussion, Gruden JF; Kaye JJ, Clin Imag 1990; **14:** 333

Syphilis

compression of pulmonary artery by syphilitic thoracic aortic aneurysm: imaging, Preston DS; Colletti PM; Raval JK; et al, Clin Nucl Med 1989; **14:** 610

general case of the day, Samson L; Chalaoui J; Paradis B, Radiographics 1990; **10:** 508

intracranial gumma mimicking a tuber cinereum tumor, Wang A-M; Barriger TK; Wesolowski DP, Comput Med Imag Graph 1991; **15:** 57

MR imaging of cerebral gumma, Agrons GA; Han SS; Husson MA; et al, AJNR 1991; **12:** 80

Syringomyelia

chronic injuries of the spinal cord: assessment with MR imaging, Yamashita Y; Takahashi M; Matsuno Y; Sakamoto Y; Oguni T; Sakae T; Yoshizumi K; Kim EE, Radiology 1990; **175:** 849

prenatal diagnosis of hydrosyringomyelia by high-resolution ultrasonography, Tomà P; Dell'Acqua A; Cordone M; et al, JCU 1991; **19:** 51

spinal cord cavities: differential-diagnostic criteria in magnetic resonance imaging, Schubeus P; Schörner W; Hosten N; et al, Eur J Radiol 1991; **12:** 219

syringomyelia associated with Paget disease of the skull, Pryce AP; Wiener SN, AJR 1990; **155:** 881

T

Takayasu arteritis

aneurysmal form of aortoarteritis (Takayasu's disease): analysis of thirty cases, Kumar S; Subramanyan R; Mandalam KR; et al, Clin Radiol 1990; **42:** 342

incidence and patterns of pulmonary artery involvement in Takayasu's arteritis, Sharma S; Kamalakar T; Rajani M; et al, Clin Radiol 1990; **42:** 177

initial experience with percutaneous transluminal angioplasty in the management of Takayasu's arteritis, Sharma S; Rajani M; Kaul U; et al, Br J Radiol 1990; **63:** 517

intravenous digital subtraction angiography in patients with aorto-arteritis (Takayasu's), Liu Y-Q; Ling J; Wang Z-L, Cardiovasc Intervent Radiol 1990; **13:** 83

non-specific aorto-arteritis (Takayasu's disease) in children, Sharma S; Rajani M; Shrivastava S; et al, Br J Radiol 1991; **64:** 690

percutaneous transluminal angioplasty in nonspecific aortoarteritis (Takayasu's disease): experience of 16 cases, Kumar S; Mandalam KR; Rao VRK; et al, Cardiovasc Intervent Radiol 1989; **12:** 321

"pulseless" transcranial Doppler findings in Takayasu's arteritis, Ameriso S; Bernard JT; Weaver F; et al, JCU 1990; **18:** 592

radionuclide renography predicts functional changes in patients with renal artery involvement by Takayasu's arteritis, Cuocolo A; McCarthy KE; Sandrock D; et al, Urol Radiol 1989; **11:** 69

residents' corner: answer to case of the month #2: Takayasu's arteritis, Gardner D, J Canad Assoc Radiol 1989; **40:** 285

Takayasu arteritis: angiographic findings and results of angioplasty, Park JH; Han MC; Kim SH; et al, AJR 1989; **153:** 1069

Takayasu's arteritis: carotid duplex sonographic appearance, including color Doppler imaging, (ab), Bond JR; Charboneau JW; Stanson AW, JVIR 1991; **2:** 410

Takayasu's arteritis: carotid duplex sonographic appearance, including color Doppler imaging, Bond JR; Charboneau JW; Stanson AW, J Ultrasound Med 1990; **9:** 625

ultrasound case of the day, Bond JR; Charboneau JW; Stanson AW, Radiographics 1990; **10:** 725

Talc

long-term follow-up of drug abusers with intravenous talcosis, (ab), Paré JP; Cote G; Fraser RS, Radiology 1989; **172:** 883

misconceptions regarding the pathogenicity of silicas and silicates, Feigin DS, J Thorac Imag 1989; **4-1:** 68

Technetium, radioactive

analogy between tumor uptake of technetium(V)-99m dimercaptosuccinic acid (DMSA) and technetium-99m-MDP, Wulfrank DA; Schelstraete KH; Small F; et al, Clin Nucl Med 1989; **14:** 588

blood cell labeling with ^{99m}Tc: progress and perspectives, Srivastava SC; Straub RF, Semin Nucl Med 1990; **20:** 41

chemical aspects of labeling sucralfate with $^{99m}TcO_4$, Billinghurst MW; Abrams DN; Lawson MS, J Nucl Med 1989; **30:** 523

clinical comparison of I-131 orthoiodohippurate and the kit formulation of Tc-99m mercaptoacetyltriglycine, Taylor A Jr; Ziffer JA; Steves A; Eshima D; Delaney VB; Welchel JD, Radiology 1989; **170:** 721

gastrointestinal transit of technetium-99m-labeled cellulose fiber and indium-111-labeled plastic particles, Madsen JL; Jensen M, J Nucl Med 1989; **30:** 402

kidney: imaging with Tc-99m mercaptoacetyltriglycine, a technetium-labeled analog of iodohippurate, Russell CD; Thorstad BL; Stutzman ME; Yester MV; Fowler D; Dubovsky EV, Radiology 1989; **172:** 427

kinetic sensitivity of a receptor-binding radiopharmaceutical: technetium-99m galactosyl-neoglycoalbumin, Vera DR; Woodle ES; Stadalnik RC, J Nucl Med 1989; **30:** 1519

letter to the editor, Abdel-Dayem HM; Elgazzar AH, Radiographics 1989; **9:** 650

MIRD dose estimate report no. 14: radiation absorbed dose from technetium-99m-labeled red blood cells, Atkins HL; Thomas SR; Buddemeyer U; et al, J Nucl Med 1990; **31:** 378

new technetium 99m-labeled brain perfusion imaging agents, Kung HF, Semin Nucl Med 1990; **20:** 150

pharmacokinetics and clinical application of technetium 99m-labeled hepatobiliary agents, Krishnamurthy GT; Turner FE, Semin Nucl Med 1990; **20:** 130

quantitative planar imaging with technetium-99m methoxyisobutyl isonitrile: comparison of uptake patterns with thallium-201, Sinusas AJ; Beller GA; Smith WH; et al, J Nucl Med 1989; **30:** 1456

radiation absorbed dose from technetium-99m-labeled bone imaging agents, Weber DA; Makler PT Jr; Watson EE; et al, J Nucl Med 1989; **30:** 1117

recent developments in the radiolabeling of antibodies with iodine, indium, and technetium, Hnatowich DJ, Semin Nucl Med 1990; **20:** 80

renal accumulation of technetium-99m sulfur colloid, Hiltz A; Iles S, Clin Nucl Med 1989; **14:** 118

renal handling of technetium-99m DMSA: evidence for glomerular filtration and peritubular uptake, de Lange MJ; Piers DA; Kosterink JGW; et al, J Nucl Med 1989; **30:** 1219

technetium-99m ECD: a new brain imaging agent: in vivo kinetics and biodistribution studies in normal human subjects, Vallabhajosula S; Zimmerman RE; Picard M; et al, J Nucl Med 1989; **30:** 599

technetium-99m HM-PAO-labeled leukocytes in detection of inflammatory lesions: comparison with gallium-67 citrate, Vorne M; Soini I; Lantto T; et al, J Nucl Med 1989; **30:** 1332

technetium-99m (v) dimercaptosuccinic acid uptake in patients with head and neck squamous carcinoma: experience in imaging, Watkinson JC; Lazarus CR; Mistry R; et al, J Nucl Med 1989; **30:** 174

tracer kinetic modeling approaches for the quantification of hepatic function with technetium-99m DISIDA and scintigraphy, Gambhir SS; Hawkins RA; Huang S-C; et al, J Nucl Med 1989; **30:** 1507

use of high performance liquid chromatography for the structural identification of technetium-99m radiopharmaceuticals at the NCA level, Baldas J; Bonnyman J; Ivanov Z, J Nucl Med 1989; **30:** 1240

Technologists
how many radiologic technologists are necessary to image patients efficiently in a pediatric radiology department?, Carver CD; Slovis TL, AJR 1990; **155:** 187
improving the adherence of urban women to mammography guidelines: strategies for radiologists, Fox SA; Klos DS; Worthen NJ; Pennington E; Bassett LW; Gold RH, Radiology 1990; **174:** 203
recognition of limited radiography training programs, Bender CE, Radiology 1991; **179:** 287
teaching phantom for sonographers, Zagzebski JA; Madsen EL; Frank GR, JCU 1991; **19:** 27
we all play in the same sandbox, Lambrecht LG; Youker JE, Invest Radiol 1990; **25:** 1044

Teeth
quantitative assessment of a new dental imaging system, Walker A; Horner K; Czajka J; et al, Br J Radiol 1991; **64:** 529
reduction in radiation dose for intra-oral radiographs by the use of thin K-edge filters, MacDonald-Jankowski DS; Lawinski CP, Br J Radiol 1991; **64:** 524
resorption of the lateral maxillary incisor: assessment by CT, Peene P; Lamoral Y; Plas H; et al, JCAT 1990; **14:** 427

Telangiectasia
case report 673, Liu S-K; Thacher C, Skeletal Radiol 1991; **20:** 311
detection of pulmonary teleangiectasia using dynamic pulmonary perfusion imaging in patients with liver cirrhosis, Shijo H; Hisano S; Sasaki H; et al, Clin Nucl Med 1989; **14:** 179
diffuse calvarial hemangiomatosis associated with hereditary hemorrhagic telangiectasia, Abdullah DC; Hallisey MJ; Muraki AS; et al, AJNR 1989; **10:** S59
individual variation and dose dependency in the progression rate of skin telangiectasia, Turesson I, Int J Radiat Oncol Biol Phys 1990; **19:** 1569
intracerebral and spinal vascular malformation in a patient without hereditary haemorrhagic telangectasia, Moss JG; Sellar RJ; Hadley DM, Neuroradiol 1989; **31:** 280
Osler-Weber-Rendu disease: MR findings in the liver, Varma DGK; Schoenberger SG; Kumra A; et al, JCAT 1989; **13:** 134
renal lymphoma in ataxia-telangiectasia: CT contribution, Levine C; Vrlenich L, JCAT 1989; **13:** 53
reversibility of pulmonary telangiectasia in liver cirrhosis evidenced by serial dynamic pulmonary perfusion imaging, Shijo H; Nakayama K; Sasaki H; et al, Clin Nucl Med 1989; **14:** 909

Teleradiology
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Temporal bone
anatomic variations of the cochlea and relations to other temporal bone structures, Dimopoulos P; Muren C, Acta Radiol 1990; **31:** 439
encephalocoele involving the petrous bone, Beaumont GD; Sage MR, Neuroradiol 1990; **32:** 533
length of the styloid process of the temporal bone, (ab), Lengelé BG; Dhem AJ, Radiology 1989; **171:** 887
nasopharyngeal and temporal bone blastomycosis: CT and MR findings, Angtuaco EEC; Angtuaco EJC; Glasier CM; et al, AJNR 1991; **12:** 725
osteoradionecrosis of the temporal bone: a surgical technique of treatment, (ab), Ma KH; Fagan PA, Radiology 1989; **170:** 589
temporal bone: three-dimensional CT. part I. normal anatomy, techniques, and limitations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 421

Temporal bone, abnormalities
congenital anomalies of the temporal bone, Eelkema EA; Curtin HD, Semin US CT MR 1989; **10:** 195
congenital perilymphatic fistula: a prospective study in infants and children, (ab), Reilly JS, Radiology 1990; **174:** 591
current imaging approach to the temporal bone, Swartz JD, Radiology 1989; **171:** 309
deformed petrous bone: a new plain film sign of premature lambdoid synostosis, Fernbach SK; Feinstein KA, AJR 1991; **156:** 1215
length of the styloid process of the temporal bone, (ab), Lengelé BG; Dhem AJ, Radiology 1989; **171:** 887

Temporal bone, CT
air in the temporomandibular joint fossa: CT sign of temporal bone fracture, Betz BW; Wiener MD, Radiology 1991; **180:** 463
cochlea and the carotid canal, Muren C; Wadin K; Wilbrand HF, Acta Radiol 1990; **31:** 33
computed tomography and magnetic resonance imaging of the normal anatomy of the temporal bone, Brogan M; Chakeres DW, Semin US CT MR 1989; **10:** 178
CT and MR findings in patients with chordomas of the petrous apex, Brown RV; Sage MR; Brophy BP, AJNR 1990; **11:** 121
CT evaluation of the temporal bone ossicles by using oblique reformations: a technical note, Lee BCP; Black ML; Lamb RB; et al, AJNR 1989; **10:** 431
current imaging approach to the temporal bone, Swartz JD, Radiology 1989; **171:** 309
inflammatory diseases of the temporal bone: evaluation with CT and MR, Holliday RA, Semin US CT MR 1989; **10:** 213
osteogenesis imperfecta tarda: appearance of the temporal bones at CT, Tabor EK; Curtin HD; Hirsch BE; May M, Radiology 1990; **175:** 181
radiological evaluation of temporal bone disease: high-resolution computed tomography versus conventional x-ray diagnosis, Fritz P; Rieden K; Lenarz T; et al, Br J Radiol 1989; **62:** 107
temporal bone: three-dimensional CT. part I. normal anatomy, techniques, and limitations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 421
temporal bone: three-dimensional CT. part II. pathologic alterations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 427

Temporal bone, cysts
cholesterol granuloma of the petrous apex, Clifton AG; Phelps PD; Brookes GB, Br J Radiol 1990; **63:** 724
giant cholesterol cysts of the petrous apex, (ab), Sataloff RT; Myers DL; Roberts B-R; et al, Radiology 1989; **170:** 589

Temporal bone, diseases
current imaging approach to the temporal bone, Swartz JD, Radiology 1989; **171:** 309
osteogenesis imperfecta tarda: appearance of the temporal bones at CT, Tabor EK; Curtin HD; Hirsch BE; May M, Radiology 1990; **175:** 181
temporal bone: three-dimensional CT. part II. pathologic alterations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 427

Temporal bone, fractures
air in the temporomandibular joint fossa: CT sign of temporal bone fracture, Betz BW; Wiener MD, Radiology 1991; **180:** 463
temporal bone fractures, Dolan KD, Semin US CT MR 1989; **10:** 262
temporal bone: three-dimensional CT. part II. pathologic alterations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 427

Temporal bone, MR
cholesterol granulomas of the middle ear cavities: MR imaging, Martin N; Sterkers O; Mompoint D; Julien N; Nahum H, Radiology 1989; **172:** 521
chronic inflammatory disease of the middle ear cavities: Gd-DTPA–enhanced MR imaging, Martin N; Sterkers O; Nahum H, Radiology 1990; **176:** 399
computed tomography and magnetic resonance imaging of the normal anatomy of the temporal bone, Brogan M; Chakeres DW, Semin US CT MR 1989; **10:** 178
CT and MR findings in patients with chordomas of the petrous apex, Brown RV; Sage MR; Brophy BP, AJNR 1990; **11:** 121
current imaging approach to the temporal bone, Swartz JD, Radiology 1989; **171:** 309
gadolinium-enhanced magnetic resonance imaging in temporal bone lesions, (ab), Millen SJ; Daniels DL; Meyer GA, Radiology 1989; **173:** 887
head and neck radiology. RSNA '88 meeting notes, Som PM; Curtin HD; Lufkin RB; Holliday RA; Reede DL, Radiology 1989; **170:** 603
inflammatory diseases of the temporal bone: evaluation with CT and MR, Holliday RA, Semin US CT MR 1989; **10:** 213
MR of the temporal bone, Bryan RN, AJNR 1991; **12:** 17
petrous apicitis: evaluation by bone SPECT and magnetic resonance imaging, Frates MC; Oates E, Clin Nucl Med 1990; **15:** 293

Temporal bone, neoplasms
cardiac myxoma metastatic to the temporal bone, Jungreis CA; Sekhar LN; Martinez AJ; Hirsch BE, Radiology 1989; **170:** 244
case report 562, Tesluk H; Senders CW; Dublin AB, Skeletal Radiol 1989; **18:** 599
case report 648, Iemoto Y; Ushigome S; Ikegami M; et al, Skeletal Radiol 1991; **20:** 59
CT and MR findings in patients with chordomas of the petrous apex, Brown RV; Sage MR; Brophy BP, AJNR 1990; **11:** 121
current imaging approach to the temporal bone, Swartz JD, Radiology 1989; **171:** 309
gadolinium-enhanced magnetic resonance imaging in temporal bone lesions, (ab), Millen SJ; Daniels DL; Meyer GA, Radiology 1989; **173:** 887
radiological evaluation of temporal bone disease: high-resolution computed tomography versus conventional x-ray diagnosis, Fritz P; Rieden K; Lenarz T; et al, Br J Radiol 1989; **62:** 107
temporal bone: three-dimensional CT. part II. pathologic alterations, Howard JD; Elster AD; May JS, Radiology 1990; **177:** 427
twenty year experience with radiation therapy for temporal bone chemodectomas, Pryzant RM; Chou JL; Easley JD, Int J Radiat Oncol Biol Phys 1989; **17:** 1303

Temporomandibular joint
See Joints, temporomandibular

Tendinitis
acute neck pain due to tendonitis of the longus colli: CT and MRI findings, Artenian DJ; Lipman JK; Scidmore GK; et al, Neuroradiol 1989; **31:** 166
alterations in the supraspinatus tendon at MR imaging: correlation with histopathologic findings in cadavers, Kjellin I; Ho CP; Cervilla V; Haghighi P; Kerr R; Vangness CT; Friedman RJ; Trudell D; Resnick D, Radiology 1991; **181:** 837
calcific tendinitis of the long head of the biceps brachii distal to the glenohumeral joint: plain film radiographic findings, Goldman AB, AJR 1989; **153:** 1011
calcific tendinitis of the vastus lateralis muscle: a report of three cases, Ramon FA; Degryse HR; De Schepper AM; et al, Skeletal Radiol 1991; **20:** 21
rotator cuff tears: diagnostic performance of MR imaging, Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE, Radiology 1989; **172:** 223
ultrasound, computed tomography and magnetic resonance imaging in patellar tendinitis, Davies SG; Baudouin CJ; King JB; et al, Clin Radiol 1991; **43:** 52

Tendons
bicipital groove dysplasia and medial dislocation of the biceps brachii tendon, Levinsohn EM; Santelli ED, Skeletal Radiol 1991; **20:** 419
calcification in the supraspinatus tendon detected on bone scan, Slavin JD Jr; Levine GM; Spencer RP, Clin Nucl Med 1989; **14:** 921
case report 550, Silver SF; Connell DG; Duncan CP, Skeletal Radiol 1989; **18:** 327
case report 633, Rakofsky M; Arias C; Wagner JJ, Skeletal Radiol 1990; **19:** 532
soft-tissue radiography, computed tomography, and ultrasonography of partial Achilles tendon ruptures, Kalebo P; Goksör L-A; Swärd L; et al, Acta Radiol 1990; **31:** 565
Tc-99m MDP bone imaging in inflammatory enthesopathy, Aburano T; Yokoyama K; Taki J; et al, Clin Nucl Med 1990; **15:** 105

Tendons, CT

acute neck pain due to tendonitis of the longus colli: CT and MRI findings, Artenian DJ; Lipman JK; Scidmore GK; et al, Neuroradiol 1989; **31:** 166

case report 550, Silver SF; Connell DG; Duncan CP, Skeletal Radiol 1989; **18:** 327

computed tomography of tendinous xanthomata in cerebrotendinous xanthomatosis, Hertzanu Y; Berginer J; Berginer VM, Skeletal Radiol 1991; **20:** 99

soft-tissue radiography, computed tomography, and ultrasonography of partial Achilles tendon ruptures, Kälebo P; Goksör L-A; Swärd L; et al, Acta Radiol 1990; **31:** 565

ultrasound, computed tomography and magnetic resonance imaging in patellar tendinitis, Davies SG; Baudouin CJ; King JB; et al, Clin Radiol 1991; **43:** 52

Tendons, injuries

achilles tendon ossification and fracture, Resnik CS; Foster WC, J Canad Assoc Radiol 1990; **41:** 153

biceps tendon dislocation: evaluation with MR imaging, Chan TW; Dalinka MK; Kneeland JB; Chervrot A, Radiology 1991; **179:** 649

biomechanical effects of low-intensity ultrasound on healing tendons, Enwemeka CS; Rodriguez O; Mendosa S, Ultrasound Med Biol 1990; **16:** 801

injury of the Achilles tendon: diagnosis with sonography, Kainberger FM; Engel A; Barton P; et al, AJR 1990; **155:** 1031

MR imaging of shoulder injuries in professional baseball players, Burk DL Jr; Torres JL; Marone PJ; Mitchell DG; Rifkin MD; Karasick D, JMRI 1991; **1:** 385

repair of Achilles tendon ruptures with a polylactic acid implant: assessment with MR imaging, Liem MD; Zegel HG; Balduini FC; et al, AJR 1991; **156:** 769

rotator cuff lesions: signal patterns at MR imaging, Rafii M; Firooznia H; Sherman O; Minkoff J; Weinreb J; Golimbu C; Gidumal R; Schinella R; Zaslav K, Radiology 1990; **177:** 817

rotator cuff tears: diagnostic performance of MR imaging, Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE, Radiology 1989; **172:** 223

tibialis posterior tendon rupture: a cause of rheumatoid flat foot, (ab), Downey DJ; Simkin PA; Mack LA; et al, Radiology 1989; **170:** 588

Tendons, MR

Achilles tendon injuries: the role of MR imaging, Marcus DS; Reicher MA; Kellerhouse LE, JCAT 1989; **13:** 480

acute neck pain due to tendonitis of the longus colli: CT and MRI findings, Artenian DJ; Lipman JK; Scidmore GK; et al, Neuroradiol 1989; **31:** 166

alterations in the supraspinatus tendon at MR imaging: correlation with histopathologic findings in cadavers, Kjellin I; Ho CP; Cervilla V; Haghighi P; Kerr R; Vangness CT; Friedman RJ; Trudell D; Resnick D, Radiology 1991; **181:** 837

avulsion of the posteromedial tibial plateau by the semimembranosus tendon: diagnosis with MR imaging, Yao L; Lee JK, Radiology 1989; **172:** 513

biceps tendon dislocation: evaluation with MR imaging, Chan TW; Dalinka MK; Kneeland JB; Chervrot A, Radiology 1991; **179:** 649

effect of arm rotation on MR imaging of the rotator cuff, Davis SJ; Teresi LM; Bradley WG Jr; Kessler JA; Eto RT, Radiology 1991; **181:** 265

effect of tendon orientation on MR imaging signal intensity: a manifestation of the "magic angle" phenomenon, Erickson SJ; Cox IH; Hyde JS; Carrera GF; Strandt JA; Estkowski LD, Radiology 1991; **181:** 389

MR image of localized giant cell tumor of the tendon sheath involving the knee, Balsara ZN; Stainken BF; Martinez AJ, JCAT 1989; **13:** 159

MR imaging of shoulder injuries in professional baseball players, Burk DL Jr; Torres JL; Marone PJ; Mitchell DG; Rifkin MD; Karasick D, JMRI 1991; **1:** 385

MRI visualization of bilateral quadriceps tendon rupture in a patient with secondary hyperparathyroidism: implications for diagnosis and therapy, Barasch E; Lombardi LJ; Arena L; et al, Comput Med Imag Graph 1989; **13:** 407

rotator cuff tears: diagnostic performance of MR imaging, Zlatkin MB; Iannotti JP; Roberts MC; Esterhai JL; Dalinka MK; Kressel HY; Schwartz JS; Lenkinski RE, Radiology 1989; **172:** 223

ultrasound, computed tomography and magnetic resonance imaging in patellar tendinitis, Davies SG; Baudouin CJ; King JB; et al, Clin Radiol 1991; **43:** 52

wrinkled patellar tendon: an indication of abnormality in the extensor mechanism of the knee, Berlin RC; Levinsohn EM; Chrisman H, Skeletal Radiol 1991; **20:** 181

Tendons, US

biomechanical effects of low-intensity ultrasound on healing tendons, Enwemeka CS; Rodriguez O; Mendosa S, Ultrasound Med Biol 1990; **16:** 801

empty bicipital groove due to rupture and retraction of the biceps tendon, Conrad MR; Nelms BA, J Ultrasound Med 1990; **9:** 231

injury of the Achilles tendon: diagnosis with sonography, Kainberger FM; Engel A; Barton P; et al, AJR 1990; **155:** 1031

soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Fornage BD, Radiology 1989; **173:** 735

soft-tissue radiography, computed tomography, and ultrasonography of partial Achilles tendon ruptures, Kälebo P; Goksör L-A; Swärd L; et al, Acta Radiol 1990; **31:** 565

sonographic diagnosis of tenosynovitis of the posterior tibial tendon, Stephenson CA; Seibert JJ; McAndrew MP; et al, JCU 1990; **18:** 114

ultrasonography in lesions of the rotator cuff and biceps tendon, Ahovuo J; Paavolainen P; Björkenheim J-M, Acta Radiol 1989; **30:** 253

ultrasonography of the tendons of the shoulder, Ahovuo J; Paavolainen P; Homström T, Eur J Radiol 1989; **9:** 17

ultrasound, computed tomography and magnetic resonance imaging in patellar tendinitis, Davies SG; Baudouin CJ; King JB; et al, Clin Radiol 1991; **43:** 52

Tenography

current role of tenography and bursography, Baker KS; Gilula LA, AJR 1990; **154:** 129

injuries of the lateral ankle ligaments: classification with tenography and arthrography, Bleichrodt RP; Kingma LM; Binnendijk B; Klein J-P, Radiology 1989; **173:** 347

Tenosynovitis

soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Fornage BD, Radiology 1989; **173:** 735

sonographic diagnosis of tenosynovitis of the posterior tibial tendon, Stephenson CA; Seibert JJ; McAndrew MP; et al, JCU 1990; **18:** 114

Teratoma

case report: in-utero aspiration of sacrococcygeal cyst, Weston MJ; Andrews H, Clin Radiol 1991; **44:** 119

CT and MR imaging of cystic ovarian teratoma with intracystic fat balls, Muramatsu Y; Moriyama N; Takayasu K; et al, JCAT 1991; **15:** 528

CT and pathologic predictive features of residual mass histologic findings after chemotherapy for nonseminomatous germ cell tumors: can residual malignancy or teratoma be excluded?, Stomper PC; Kalish LA; Garnick MB; Richie JP; Kantoff PW, Radiology 1991; **180:** 711

cystic teratoma of the mediastinum: demonstration of fat/fluid level, Fulcher AS; Proto AV; Jolles H, AJR 1990; **154:** 259

cystic teratoma of the mesentery, Prieto ML; Casanova A; Delgado J; et al, Pediatr Radiol 1989; **19:** 439

difficulties in the diagnosis of metastatic testicular teratoma, Huddart R; Moore NR; Williams MV; et al, Br J Radiol 1990; **63:** 569

giant epignathus with intracranial teratoma in a newborn infant, Ang AT; Ho NK; Ong CL, Australas Radiol 1990; **34:** 358

growing teratoma syndrome: radiologic findings in four cases, Coscojuela P; Llauger J; Pérez C; et al, Eur J Radiol 1991; **12:** 138

hair as a sonographic marker of ovarian teratomas: improved identification using transvaginal sonography and simulation model, Bronshtein M; Yoffe N; Brandes JM; et al, JCU 1991; **19:** 351

high-output cardiac failure in fetuses with large sacrococcygeal teratoma: diagnosis by echocardiography and Doppler ultrasound, (ab), Schmidt KG; Silverman NH; Harrison MR; et al, Radiology 1990; **176:** 591

malignant carcinoid within a recurrent sacrococcygeal teratoma in childhood, Stringer DA; Sprigg A; Kerrigan D; et al, J Canad Assoc Radiol 1990; **41:** 105

malignant sacrococcygeal teratoma in an adult, Pennaforte J-L; Menanteau B; Etienne J-C, J Canad Assoc Radiol 1990; **41:** 229

management of a fetus with intrapericardial teratoma diagnosed in utero, Todros T; Gaglioti P; Presbitero P, J Ultrasound Med 1991; **10:** 287

mature teratoma of the retroperitoneum: radiologic, pathologic, and clinical correlation, Davidson AJ; Hartman DS; Goldman SM, Radiology 1989; **172:** 421

MR imaging of retroperitoneal teratoma: correlation with CT and pathology, Choi BI; Chi JG; Kim SH; et al, JCAT 1989; **13:** 1083

nonseminomatous germ cell tumors: enlarging masses despite chemotherapy, Panicek DM; Toner GC; Heelan RT; Bosl GJ, Radiology 1990; **175:** 499

omental teratoma in an adult: a case report, Whang SH; Lee KS; Kim PN; et al, Gastrointest Radiol 1990; **15:** 301

ovarian teratomas: a comparison of the sonographic appearance in prepubertal and postpubertal girls, Sisler CL; Siegel MJ, AJR 1990; **154:** 139

pelvic masses in pregnancy: MR imaging, Kier R; McCarthy SM; Scoutt LM; Viscarello RR; Schwartz PE, Radiology 1990; **176:** 709

peritonitis due to rupture of retroperitoneal teratoma: computed tomography diagnosis, Ferrero A; Céspedes M; Cantarero JM; et al, Gastrointest Radiol 1990; **15:** 251

posterior mediastinal cystic teratoma surrounded by fat in a 13 month old boy: value of magnetic resonance imaging, Ruzal-Shapiro C; Abramson SJ; Berdon WE, Pediatr Radiol 1989; **20:** 107

posterior mediastinal teratoma involving the esophagus, Vade A; Nolan J, Gastrointest Radiol 1989; **14:** 106

retroconversion of immature teratoma of the ovary: CT appearances, Moskovic E; Jobling T; Fisher C; et al, Clin Radiol 1991; **43:** 402

struma ovarii: CT and MR findings, Matsumoto F; Yoshioka H; Hamada T; et al, JCAT 1990; **14:** 310

Testis

bilateral testicular infarction caused by epididymitis, Eisner DJ; Goldman SM; Petronis J; et al, AJR 1991; **157:** 517

Testis, abnormalities

abnormal testicular function: potential of P-31 MR spectroscopy in diagnosis, van der Grond J; Laven JSE; te Velde ER; Mali WPTM, Radiology 1991; **179:** 433

case report: splenic-gonadal fusion—the ultrasound appearances, Henderson RG; Henderson DC; Reid IN; et al, Clin Radiol 1991; **44:** 117

idiopathic macroorchidism, Truwit CL; Jackson M; Thompson IM, JCU 1989; **17:** 200

in vivo human testicular function assessed with P-31 MR spectroscopy, Chew WM; Hricak H; McClure RD; Wendland MF, Radiology 1990; **177:** 743

polyorchidism diagnosed by ultrasound, Cadigan P, Br J Radiol 1989; **62:** 82

prosthetic testicle: appearance at MR imaging, Semelka RC; Anderson M; Hricak H, Radiology 1989; **173:** 561

scrotal ultrasonography in Leydig cell hyperplasia, Cooper SG; Richman AH; Carpenter TO; et al, J Ultrasound Med 1989; **8:** 689

Testis, abscess
color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941
color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958
color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958
scrotal inflammatory disease: color Doppler US findings, Horstman WG; Middleton WD; Melson GL, Radiology 1991; **179:** 55
tuberculous abscess of the testicle in AIDS: sonographic demonstration, Goodman P; Maklad NF; Verani RR; et al, Urol Radiol 1990; **12:** 53

Testis, calculi
sonography of testicular microlithiasis, Jaramillo D; Perez-Atayde A; Teele RL, Urol Radiol 1989; **11:** 55

Testis, CT
computed tomographic appearances of treated metastatic testicular tumours, Carey BM; Robinson PJ; Jones WG, Clin Radiol 1989; **40:** 406
computed tomography scanning and post-lymphangiogram radiography in the follow-up of patients with metastatic testicular cancer, Williams MP; Husband JE, Clin Radiol 1989; **40:** 47
CT and MR imaging of malignant germ cell tumor of the undescended testis, Lorigan JG; Shirkhoda A; Dexeus FH, Urol Radiol 1989; **11:** 113

Testis, cysts
complex tunica albuginea cyst simulating an intratesticular lesion, Poster RB; Spirt BA; Tamsen A; et al, Urol Radiol 1991; **13:** 129
sonographic appearance of epidermoid cyst of the testis, Maxwell AJ; Mamtora H, JCU 1990; **18:** 188
true hermaphroditism: sonographic demonstration of ovotestes, Eberenz W; Rosenberg HK; Moshang T; Chatten J; Keating MA, Radiology 1991; **179:** 429
ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 159

Testis, inflammation
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Testis, injuries
accuracy of ultrasound in diagnosis of rupture after blunt testicular trauma, (ab), Ugarte R; Spaedy M; Cass AS, Radiology 1991; **178:** 898
color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941
color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958
color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958
testicular injuries, (ab), Cass AS; Luxenberg M, Radiology 1991; **181:** 911

Testis, MR
abnormal testicular function: potential of P-31 MR spectroscopy in diagnosis, van der Grond J; Laven JSE; te Velde ER; Mali WPTM, Radiology 1991; **179:** 433
complex tunica albuginea cyst simulating an intratesticular lesion, Poster RB; Spirt BA; Tamsen A; et al, Urol Radiol 1991; **13:** 129
CT and MR imaging of malignant germ cell tumor of the undescended testis, Lorigan JG; Shirkhoda A; Dexeus FH, Urol Radiol 1989; **11:** 113
differentiation of seminomatous from nonseminomatous testicular tumors with MR imaging, Johnson JO; Mattrey RF; Phillipson J, AJR 1990; **154:** 539
in vivo human testicular function assessed with P-31 MR spectroscopy, Chew WM; Hricak H; McClure RD; Wendland MF, Radiology 1990; **177:** 743
mixed sex-cord stromal tumor of the testis: evaluation by ultrasonography and magnetic resonance imaging, Nemcek AA Jr; Fisher MR; Leschorn E; et al, Urol Radiol 1989; **11:** 186
MR imaging in the differential diagnosis of scrotal and testicular disease, Cramer BM; Schlegel EA; Thueroff JW, Radiographics 1991; **11:** 9
MR imaging of vasculitis of the testis, Hayward I; Trambert MA; Mattrey RF; et al, JCAT 1991; **15:** 502
P-31 MR spectroscopy in assessing testicular torsion: rat model, Tzika AA; Vigneron DB; Hricak H; Moseley ME; James TL; Kogan BA, Radiology 1989; **172:** 753
phosphorus-31 MRS of human testicular function and viability, Chew WM; Hricak H, Invest Radiol 1989; **24:** 997
prosthetic testicle: appearance at MR imaging, Semelka RC; Anderson M; Hricak H, Radiology 1989; **173:** 561
role of magnetic resonance imaging in the investigation of undescended testes, Troughton AH; Waring J; Longstaff A; et al, Clin Radiol 1990; **41:** 178
subacute scrotal pain: evaluation of torsion versus epididymitis with MR imaging, Trambert MA; Mattrey RF; Levine D; Berthoty DP, Radiology 1990; **175:** 53
testicular germ cell tumors: review of contemporary evaluation and management, Steinfeld AD, Radiology 1990; **175:** 603

Testis, neoplasms
body size and cancer of the testis, Davies TW; Prener A; Engholm G, Acta Oncol 1990; **29:** 287
carcinoma of pancreas metastasizing to the tunica vaginalis testis, Aquino NM; Mortan R; Singh H, JCU 1989; **17:** 287
case report: carcinoma in-situ of the testis diagnosed on semen cytology, Howard GCW; Hargreave TB; McIntyre MA, Clin Radiol 1989; **40:** 323
color Doppler US in the evaluation of acute scrotal disease, Lerner RM; Mevorach RA; Hulbert WC; Rabinowitz R, Radiology 1990; **176:** 355
color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941
color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958
color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958
computed tomographic appearances of treated metastatic testicular tumours, Carey BM; Robinson PJ; Jones WG, Clin Radiol 1989; **40:** 406
computed tomographic staging of testicular tumours: an unexpected source of error, Tran T; Grech P; Crofton ME, Br J Radiol 1989; **62:** 942
computed tomography scanning and post-lymphangiogram radiography in the follow-up of patients with metastatic testicular cancer, Williams MP; Husband JE, Clin Radiol 1989; **40:** 47
CT and MR imaging of malignant germ cell tumor of the undescended testis, Lorigan JG; Shirkhoda A; Dexeus FH, Urol Radiol 1989; **11:** 113
CT and pathologic predictive features of residual mass histologic findings after chemotherapy for nonseminomatous germ cell tumors: can residual malignancy or teratoma be excluded?, Stomper PC; Kalish LA; Garnick MB; Richie JP; Kantoff PW, Radiology 1991; **180:** 711
differentiation of seminomatous from nonseminomatous testicular tumors with MR imaging, Johnson JO; Mattrey RF; Phillipson J, AJR 1990; **154:** 539
difficulties in the diagnosis of metastatic testicular teratoma, Huddart R; Moore NR; Williams MV; et al, Br J Radiol 1990; **63:** 569
does lymphangiography have any role in the management of early non-seminomatous germ cell tumours?, Harding M; Dall B; Corbett R; et al, Clin Radiol 1990; **41:** 392
does scrotal ultrasound reduce the need for orchidectomy in the clinically malignant testis?, Milner SJ; Blease SCP, Br J Radiol 1990; **63:** 263
enlargement of the thymus following chemotherapy for non-seminomatous testicular cancer, Abildgaard A; Lien HH; Fosså SD; et al, Acta Radiol 1989; **30:** 259
growing teratoma syndrome: radiologic findings in four cases, Coscojuela P; Llauger J; Pérez C; et al, Eur J Radiol 1991; **12:** 138
imaging of an oat cell metastasis to the testicle: case report and review of the literature, Kravitz JR; Ridlen MS, JCU 1990; **18:** 121
intraoperative ultrasound in the conservative resection of testicular neoplasms, (ab), Buckspan MB; Klotz PG; Goldfinger M; et al, Radiology 1989; **172:** 885
leiomyoma of the testis: sonographic and pathologic findings, Nino-Murcia M; Kosek J, J Canad Assoc Radiol 1989; **40:** 178
lipomas of the spermatic cord and testis: report of two cases, Rosenberg R; Williamson MR, JCU 1989; **17:** 670
metastasizing Sertoli cell tumours of the human testis—a report of two cases and a review of the literature, Madsen EL; Hultberg BM, Acta Oncol 1990; **29:** 946
mimics of metastases from testicular tumours, Olliff JFC; Eeles R; Williams MP, Clin Radiol 1990; **41:** 395
mixed sex-cord stromal tumor of the testis: evaluation by ultrasonography and magnetic resonance imaging, Nemcek AA Jr; Fisher MR; Leschorn E; et al, Urol Radiol 1989; **11:** 186
MR imaging in the differential diagnosis of scrotal and testicular disease, Cramer BM; Schlegel EA; Thueroff JW, Radiographics 1991; **11:** 9
neonatal cystic testicular gonadoblastoma: sonographic and pathologic findings, Luisiri A; Vogler C; Steinhardt G; et al, J Ultrasound Med 1991; **10:** 59
nonseminomatous germ cell tumors: enlarging masses despite chemotherapy, Panicek DM; Toner GC; Heelan RT; Bosl GJ, Radiology 1990; **175:** 499
pelvic cancers: staging of 139 cases with lymphography and fine-needle aspiration biopsy, Chagnon S; Cochand-Priollet B; Gzaeil M; Jacquenod P; Roger B; Boccon-Gibod L; Blery M, Radiology 1989; **173:** 103
pelvic haematoma following orchidectomy: a pitfall in the staging of non-seminomatous germ cell tumour, Russell SA; Johnson RJ; Russell JM, Br J Radiol 1990; **63:** 492
perforation of the inferior vena cava by a suprarenal Greenfield filter, Teitelbaum GP, Radiology 1990; **174:** 577
perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1989; **172:** 721
perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Greenfield LJ, Radiology 1990; **175:** 287
perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter: reply, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1990; **175:** 287
primary carcinoid tumor of the testis, Frank RG; Gerard PS; Anselmo MT; et al, Urol Radiol 1991; **12:** 203
psoas nodes—an overlooked site of metastasis from testicular tumours, Williams MP; Cook JV; Duchesne GM, Clin Radiol 1989; **40:** 607
radiation therapy of early (stages I and II-A) seminoma of testis after initial orchiectomy, (ab), Sinha PP; Kandazari S, Radiology 1991; **180:** 589
radiotherapy for testicular seminoma stage I: treatment results and long-term post-irradiation morbidity in 365 patients, Fosså SD; Aass N; Kaalhus O, Int J Radiat Oncol Biol Phys 1989; **16:** 383
retroperitoneal haematoma following orchidectomy: implications for staging computed tomography, Page JE; Prendergast CM; King DM, Br J Radiol 1990; **63:** 490
risk of second cancer (SC) in patients treated for testicular seminoma, Hellbardt A; Mirimanoff R-O; Obradovic M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1327
role of bipedal lymphangiography in testicular seminoma, Lindeman GJ; Carr P; Tiver KW; et al, Australas Radiol 1990; **34:** 293
role of magnetic resonance imaging and computed tomography in the treatment evaluation of retroperitoneal lymph-node metastases of non-seminomatous testicular tumors, Hogeboom WR; Hoekstra HJ; Mooyaart EL; et al, Eur J Radiol 1991; **13:** 31

sonographic appearance of testicular lymphoma, Tweed CS; Peck RJ, Clin Radiol 1991; **43:** 341

sonographic detection of a nonpalpable regressed germ-cell tumor in an atrophic testis, van Dijk R; Hitge-Boetes C; Debruyne FMJ; et al, JCU 1989; **17:** 594

sonographic diagnosis of testicular seminoma occurring 8 years after initial extragonadal seminoma, Premkumar A; Shawker TH; Choyke PL, J Ultrasound Med 1991; **10:** 469

testicular germ cell tumors: review of contemporary evaluation and management, Steinfeld AD, Radiology 1990; **175:** 603

thymic atrophy and rebound enlargement following chemotherapy for testicular cancer, Hendrickx P; Döhring W, Acta Radiol 1989; **30:** 263

torsion of an intraabdominal testis tumor presenting as an acute abdomen, Frank RG; Gerard PS; Barbera JT; et al, Urol Radiol 1990; **12:** 50

trends in incidence and results of treatment of testicular germ cell tumours in Finland 1972–1983, Halme A; Kellokumpu-Lehtinen P; Lehtonen T, Acta Oncol 1989; **28:** 777

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 159

ultrasound diagnosis of testicular masses secondary to hyperplastic adrenal rests in a patient with adrenal insufficiency, Arenson AM; Hamilton P; Silverberg J; et al, JCU 1991; **19:** 430

unusual hyperechoic ultrasound appearance of testicular Leydig cell tumour, Avery GR; Peakman DJ; Young JR, Clin Radiol 1991; **43:** 260

'watch policy' in patients with suspected stage I testicular seminoma: CT as a sole staging and surveillance technique, Charig MJ; Hindley AC; Lloyd K; et al, Clin Radiol 1990; **42:** 40

Testis, radionuclide studies

acute scrotal disorders: prospective comparison of color Doppler US and testicular scintigraphy, Middleton WD; Siegel BA; Melson GL; Yates CK; Andriole GL, Radiology 1990; **177:** 177

false-positive scan for testicular torsion and false-negative scan for epididymitis, Rosenson AS; Ali A; Fordham EW; et al, Clin Nucl Med 1990; **15:** 863

one-dose technetium-99m pertechnetate imaging in acute testicular torsion followed by manual detorsion, Diaz-Ball FL; Moreno AJ; Toney MAO; et al, Clin Nucl Med 1990; **15:** 76

pseudobullseye sign of the testicle: a window to the peritoneum, Melton JW; Chung CJ; Gordon L, Clin Nucl Med 1991; **16:** 604

spontaneous reduction of testicular torsion during scrotal imaging, Willgress ER; Camponovo EJ; Kistler AM; et al, Clin Nucl Med 1989; **14:** 540

testicular ischemia and infarction following herniorrhaphy or varicocelectomy: evaluation by radionuclide imaging, Nagle C; Clark K; Browning D; et al, Clin Nucl Med 1989; **14:** 243

testicular scanning and other applications of radionuclide imaging of the genital tract, Lutzker LG; Zuckier LS, Semin Nucl Med 1990; **20:** 159

testicular scintigraphic findings two to three months after torsion: correlation with sonography and histopathology, Dunn EK; Chen PC; Lipschitz SS; et al, Clin Nucl Med 1991; **16:** 37

Testis, therapeutic radiology

radiation therapy of early (stages I and II-A) seminoma of testis after initial orchiectomy, (ab), Sinha PP; Kandazari S, Radiology 1991; **180:** 589

radiotherapy for testicular seminoma stage I: treatment results and long-term post-irradiation morbidity in 365 patients, Fosså SD; Aass N; Kaalhus O, Int J Radiat Oncol Biol Phys 1989; **16:** 383

stage II seminoma: results of postorchiectomy irradiation, Sagerman RH; Kotlove DJ; Regine WF; Chung CT; King GA; Dalal PS, Radiology 1989; **172:** 565

trends in incidence and results of treatment of testicular germ cell tumours in Finland 1972–1983, Halme A; Kellokumpu-Lehtinen P; Lehtonen T, Acta Oncol 1989; **28:** 777

Testis, torsion

acute scrotal disorders: prospective comparison of color Doppler US and testicular scintigraphy, Middleton WD; Siegel BA; Melson GL; Yates CK; Andriole GL, Radiology 1990; **177:** 177

color Doppler sonography in testicular torsion, Jensen MC; Lee KP; Halls JM; et al, JCU 1990; **18:** 446

color Doppler US in the evaluation of acute scrotal disease, Lerner RM; Mevorach RA; Hulbert WC; Rabinowitz R, Radiology 1990; **176:** 355

color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941

color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958

color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958

false-positive scan for testicular torsion and false-negative scan for epididymitis, Rosenson AS; Ali A; Fordham EW; et al, Clin Nucl Med 1990; **15:** 863

intrauterine spermatic cord torsion in the newborn: sonographic and pathologic correlation, Brown SM; Casillas VJ; Montalvo BM; Albores-Saavedra J, Radiology 1990; **177:** 755

one-dose technetium-99m pertechnetate imaging in acute testicular torsion followed by manual detorsion, Diaz-Ball FL; Moreno AJ; Toney MAO; et al, Clin Nucl Med 1990; **15:** 76

P-31 MR spectroscopy in assessing testicular torsion: rat model, Tzika AA; Vigneron DB; Hricak H; Moseley ME; James TL; Kogan BA, Radiology 1989; **172:** 753

recognition of acute testicular torsion and contralateral varicocele by the use of technetium-99m RBC imaging, Wallace JC, Clin Nucl Med 1990; **15:** 357

spontaneous reduction of testicular torsion during scrotal imaging, Willgress ER; Camponovo EJ; Kistler AM; et al, Clin Nucl Med 1989; **14:** 540

subacute scrotal pain: evaluation of torsion versus epididymitis with MR imaging, Trambert MA; Mattrey RF; Levine D; Berthoty DP, Radiology 1990; **175:** 53

suspected testicular torsion and ischemia: evaluation with color Doppler sonography, Burks DD; Markey BJ; Burkhard TK; Balsara ZN; Haluszka MM; Canning DA, Radiology 1990; **175:** 815

testicular ischemia: color Doppler sonographic findings in five patients, Middleton WD; Melson GL, AJR 1989; **152:** 1237

testicular scintigraphic findings two to three months after torsion: correlation with sonography and histopathology, Dunn EK; Chen PC; Lipschitz SS; et al, Clin Nucl Med 1991; **16:** 37

torsion of an intraabdominal testis tumor presenting as an acute abdomen, Frank RG; Gerard PS; Barbera JT; et al, Urol Radiol 1990; **12:** 50

torsion of an undescended testis not detected on testicular imaging, Dravid VS; Heyman S, Clin Nucl Med 1991; **16:** 275

torsion of a testicular appendage in an adult male, Palestro CJ; Manor EP; Kim CK; et al, Clin Nucl Med 1990; **15:** 515

torsion of paradidymis or Giraldés' organ: an uncommon cause of acute scrotum in pediatric age group, Orazi C; Fariello G; Malena S; et al, JCU 1989; **17:** 598

trauma-induced testicular torsion: ultrasonographic features and pathologic correlation, Sanders LM; Premkumar A; Amis ES Jr; et al, JCU 1989; **17:** 538

Testis, undescended

CT and MR imaging of malignant germ cell tumor of the undescended testis, Lorigan JG; Shirkhoda A; Dexeus FH, Urol Radiol 1989; **11:** 113

infarcted undescended testis appearing as a calcified abdominal mass in an adult, Wilbur AC; Mostowfi K; Heydemann J; et al, AJR 1990; **155:** 547

pars infravaginalis gubernaculi: importance in the identification of the undescended testis, Rosenfield AT; Blair DN; McCarthy S; et al, AJR 1989; **153:** 775

role of magnetic resonance imaging in the investigation of undescended testes, Troughton AH; Waring J; Longstaff A; et al, Clin Radiol 1990; **41:** 178

torsion of an undescended testis not detected on testicular imaging, Dravid VS; Heyman S, Clin Nucl Med 1991; **16:** 275

Testis, US

accuracy of ultrasound in diagnosis of rupture after blunt testicular trauma, (ab), Ugarte R; Spaedy M; Cass AS, Radiology 1991; **178:** 898

acute scrotal disorders: prospective comparison of color Doppler US and testicular scintigraphy, Middleton WD; Siegel BA; Melson GL; Yates CK; Andriole GL, Radiology 1990; **177:** 177

case report: splenic-gonadal fusion—the ultrasound appearances, Henderson RG; Henderson DC; Reid IN; et al, Clin Radiol 1991; **44:** 117

color Doppler sonography in testicular torsion, Jensen MC; Lee KP; Halls JM; et al, JCU 1990; **18:** 446

color Doppler ultrasound of the normal testis, Middleton WD; Thorne DA; Melson GL, AJR 1989; **152:** 293

color Doppler US in the evaluation of acute scrotal disease, Lerner RM; Mevorach RA; Hulbert WC; Rabinowitz R, Radiology 1990; **176:** 355

color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941

color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958

color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958

complex tunica albuginea cyst simulating an intratesticular lesion, Poster RB; Spirt BA; Tamsen A; et al, Urol Radiol 1991; **13:** 129

correlation of testicular color Doppler ultrasonography, physical examination and venography in the detection of left varicoceles in men with infertility, (ab), Petros JA; Andriole GL; Middleton WD; et al, Radiology 1991; **181:** 293

does scrotal ultrasound reduce the need for orchidectomy in the clinically malignant testis?, Milner SJ; Blease SCP, Br J Radiol 1990; **63:** 263

hypoechoic band: a normal finding on testicular sonography, Fakhry J; Khoury A; Barakat K, AJR 1989; **153:** 321

imaging the testis and scrotal structures, Fowler R, Clin Radiol 1990; **41:** 81

leiomyoma of the testis: sonographic and pathologic findings, Nino-Murcia M; Kosek J, J Canad Assoc Radiol 1989; **40:** 178

mixed sex-cord stromal tumor of the testis: evaluation by ultrasonography and magnetic resonance imaging, Nemcek AA Jr; Fisher MR; Leschorn E; et al, Urol Radiol 1989; **11:** 186

polyorchidism diagnosed by ultrasound, Cadigan P, Br J Radiol 1989; **62:** 82

scrotal inflammatory disease: color Doppler US findings, Horstman WG; Middleton WD; Melson GL, Radiology 1991; **179:** 55

scrotal ultrasonography in Leydig cell hyperplasia, Cooper SG; Richman AH; Carpenter TO; et al, J Ultrasound Med 1989; **8:** 689

sonographic appearance of epidermoid cyst of the testis, Maxwell AJ; Mamtora H, JCU 1990; **18:** 188

sonographic appearance of testicular lymphoma, Tweed CS; Peck RJ, Clin Radiol 1991; **43:** 341

sonographic detection of a nonpalpable regressed germ-cell tumor in an atrophic testis, van Dijk R; Hitge-Boetes C; Debruyne FMJ; et al, JCU 1989; **17:** 594

sonographic diagnosis of testicular seminoma occurring 8 years after initial extragonadal seminoma, Premkumar A; Shawker TH; Choyke PL, J Ultrasound Med 1991; **10:** 469

sonographic features of focal orchitis, Lentini JF; Benson CB; Richie JP, J Ultrasound Med 1989; **8:** 361

sonography of testicular microlithiasis, Jaramillo D; Perez-Atayde A; Teele RL, Urol Radiol 1989; **11:** 55

sonography of the male genital tract, Benson CB; Doubilet PM; Richie JP, AJR 1989; **153:** 705

suspected testicular torsion and ischemia: evaluation with color Doppler sonography, Burks DD; Markey BJ; Burkhard TK; Balsara ZN; Haluszka MM; Canning DA, Radiology 1990; **175:** 815

testicular adrenal-like tissue (TALT) in congenital adrenal hyperplasia: detection by ultrasonography, Willi U; Atares M; Prader A; et al, Pediatr Radiol 1991; **21:** 284

testicular germ cell tumors: review of contemporary evaluation and management, Steinfeld AD, Radiology 1990; **175:** 603

testicular infarction in the newborn: ultrasound findings, Zerin JM; DiPietro MA; Grignon A; et al, Pediatr Radiol 1990; **20:** 329

testicular ischemia: color Doppler sonographic findings in five patients, Middleton WD; Melson GL, AJR 1989; **152:** 1237

trauma-induced testicular torsion: ultrasonographic features and pathologic correlation, Sanders LM; Premkumar A; Amis ES Jr; et al, JCU 1989; **17:** 538

true hermaphroditism: sonographic demonstration of ovotestes, Eberenz W; Rosenberg HK; Moshang T; Chatten J; Keating MA, Radiology 1991; **179:** 429

ultrasound case of the day, Kliewer MA; Carroll BA, Radiographics 1991; **11:** 159

ultrasound diagnosis of testicular masses secondary to hyperplastic adrenal rests in a patient with adrenal insufficiency, Arenson AM; Hamilton P; Silverberg J; et al, JCU 1991; **19:** 430

unusual hyperechoic ultrasound appearance of testicular Leydig cell tumour, Avery GR; Peakman DJ; Young JR, Clin Radiol 1991; **43:** 260

Test objects

See also Phantoms

assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; **177:** 265

comet-tail artifact from cholesterol crystals: observations in the postlithotripsy gallbladder and an in vitro model, Shapiro RS; Winsberg F, Radiology 1990; **177:** 153

NMR relaxation of water in hydrogel polymers: a model for tissue, Gore JC; Brown MS; Zhong J; et al, Magn Res Med 1989; **9:** 325

use of magnetic particles for sensitizing MR images to blood flow, Hardy PA; Bronskill MJ; Belanger M-J; Henkelman RM, JMRI 1991; **1:** 431

Tetralogy of Fallot

congenital pulmonary steal associated with Tetralogy of Fallot, right aortic arch and an isolated left carotid artery, Tozzi R; Hernanz-Schulman M; Kiley R; et al, Pediatr Radiol 1989; **19:** 449

pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; **174:** 51

pulmonary ventilation and perfusion abnormalities and ventilation perfusion imbalance in children with pulmonary atresia or extreme Tetralogy of Fallot, Dowdle SC; Human DG; Mann MD, J Nucl Med 1990; **31:** 1276

results of total correction of tetralogy of Fallot performed in adults, (ab), Presbitero P; Demarie D; Aruta E, Radiology 1989; **171:** 883

tetralogy of Fallot: MR findings, Mirowitz SA; Gutierrez FR; Canter CE; Vannier MW, Radiology 1989; **171:** 207

valve and great vessel stenosis: assessment with MR jet velocity mapping, Kilner PJ; Firmin DN; Rees RSO; Martinez J; Pennell DJ; Mohiaddin RH; Underwood SR; Longmore DB, Radiology 1991; **178:** 229

Thalamus

linear areas of echogenicity in the thalami and basal ganglia of neonates: an expanded association: work in progress, Hughes P; Weinberger E; Shaw DWW, Radiology 1991; **179:** 103

Thalassemia

See Anemia

Thallium, radioactive

changes in quantitative SPECT thallium-201 results associated with the use of energy-weighted acquisition, Floyd JL; Mann RB; Shaw A, J Nucl Med 1991; **32:** 805

dipyridamole-thallium imaging: the lazy man's stress test, Leppo JA, J Nucl Med 1989; **30:** 281

effect of thallium-201 blood levels on reversible myocardial defects, Nelson CW; Wilson RA; Angello DA; et al, J Nucl Med 1989; **30:** 1172

exercise whole-body thallium scintigraphy in the diagnosis and evaluation of occlusive arterial disease in the legs, Segall GM; Lennon SE; Stevick CD, J Nucl Med 1990; **31:** 1443

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE; Cheng SC; Sketch MH; Frick MP, Radiology 1989; **173:** 769

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress, Spiegler EJ, Radiology 1990; **175:** 877

myocardial uptake and clearance of Tl-201 in healthy subjects: comparison of adenosine-induced hyperemia and exercise stress: reply, Siffring PA; Gupta NC; Mohiuddin SM; Esterbrooks DJ; Hilleman DE, Radiology 1990; **175:** 877

new etiology for intestinal uptake of thallium-201, Morrison M; Fairholm S; Freeman MR, Clin Nucl Med 1989; **14:** 764

optimal specificity of thallium-201 SPECT through recognition of imaging artifacts, DePuey EG; Garcia EV, J Nucl Med 1989; **30:** 441

pectoralis muscle uptake of thallium-201 after arm exercise ergometry: possible confusion with lung thallium-201 activity, Campeau RJ; Garcia OM; Correa OA; et al, Clin Nucl Med 1990; **15:** 303

perfusion thallium imaging of type I diabetes patients with end stage renal disease: comparison of oral and intravenous dipyridamole administration, Boudreau RJ; Strony JT; duCret RP; Kuni CC; Wang Y; Wilson RF; Schwartz JS; Castaneda-Zuniga WR, Radiology 1990; **175:** 103

PET detection of viable tissue in myocardial segments with persistent defects at Tl-201 SPECT, Brunken RC; Kottou S; Nienaber CA; Schwaiger M; Ratib OM; Phelps ME; Schelbert HR, Radiology 1989; **172:** 65

pulmonary Kaposi sarcoma in patients with AIDS: scintigraphic diagnosis with sequential thallium and gallium scanning, Lee VW; Fuller JD; O'Brien MJ; Parker DR; Cooley TP; Liebman HA, Radiology 1991; **180:** 409

quantification of leg muscle perfusion using thallium-201 single photon emission computed tomography, Oshima M; Akanabe H; Sakuma S; et al, J Nucl Med 1989; **30:** 458

quantitation of postexercise lung thallium-201 uptake during single photon emission computed tomography, Kahn JK; Carry MM; McGhie I; et al, J Nucl Med 1989; **30:** 288

quantitative planar imaging with technetium-99m methoxyisobutyl isonitrile: comparison of uptake patterns with thallium-201, Sinusas AJ; Beller GA; Smith WH; et al, J Nucl Med 1989; **30:** 1456

reproducibility of quantitative planar thallium-201 scintigraphy: quantitative criteria for reversibility of myocardial perfusion defects, Sigal SL; Soufer R; Fetterman RC; et al, J Nucl Med 1991; **32:** 759

rest-injected thallium-201 imaging for assessing viability of severe asynergic regions, Mori T; Minamiji K; Kurogane H; et al, J Nucl Med 1991; **32:** 1718

ribose facilitates thallium-201 redistribution in patients with coronary artery disease, Perlmutter NS; Wilson RA; Angello DA; et al, J Nucl Med 1991; **32:** 193

thallium 201 for assessment of myocardial viability, Bonow RO; Dilsizian V, Semin Nucl Med 1991; **21:** 230

thallium-201 single photon emission computed tomograms of double cancers: lung and breast, Tonami N; Yokoyama K; Michigishi T; et al, Clin Nucl Med 1989; **14:** 594

thallium-201 single photon emission computed tomography in the evaluation of suspected lung cancer, Tonami N; Shuke N; Yokoyama K; et al, J Nucl Med 1989; **30:** 997

two cases of adenocarcinoma of the lung in which thallium-201 gave a better delineation of metastatic lesions than gallium-67, Togawa T; Yui N; Koakutsu M; et al, Clin Nucl Med 1989; **14:** 197

"upward creep" of the heart: a frequent source of false-positive reversible defects during thallium-201 stress-redistribution SPECT, Friedman J; Van Train K; Maddahi J; et al, J Nucl Med 1989; **30:** 1718

Therapeutic radiology

accelerated fractionation radiation therapy for liver metastases: selection of an optimal patient population for the evaluation of late hepatic injury in RTOG studies, Leibel SA; Guse C; Order SE; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 523

advanced head and neck cancer: low-dose, split-course radiation therapy and simultaneous infusion of 5-fluorouracil and cisplatin, Stryker JA; Harvey HA; Houck JR; Manders EK; Bradfield JJ, Radiology 1990; **176:** 567

animal model of prophylactic cranial irradiation: histologic effects at acute, early and delayed stages, Mildenberger M; Beach TG; McGeer EG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1051

application of non-hypoxic cell sensitizers in radiobiology and radiotherapy: rationale and future prospects, Iliakis G; Kurtzman S, Int J Radiat Oncol Biol Phys 1989; **16:** 1235

assessing response to therapy of spinal metastases with gadolinium-enhanced MR imaging, Sugimura K; Kajitani A; Okizuka H; Sugihara M; Mizutani M; Ishida T, JMRI 1991; **1:** 481

calcium antagonists as radiation modifiers: site specificity in relation to tumor response, Wood PJ; Hirst DG, Int J Radiat Oncol Biol Phys 1989; **16:** 1141

calculating radiation absorbed dose with pheochromocytoma tumors in 131-I MIBG therapy, Koral KF; Wang X; Sisson JC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 211

chemical manipulations of tissue oxygenation for therapeutic benefit, Guichard M, Int J Radiat Oncol Biol Phys 1989; **16:** 1125

Chinese herb "destagnation" series I: combination of radiation with destagnation in the treatment of nasopharyngeal carcinoma (NPC): a prospective randomized trial on 188 cases, Xu GZ; Cai WM; Qin DX; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 297

cisplatin and radiation: interaction probabilities and therapeutic possibilities, Begg AC, Int J Radiat Oncol Biol Phys 1990; **19:** 1183

current and potential role of hyperthermia in radiotherapy, Overgaard J, Int J Radiat Oncol Biol Phys 1989; **16:** 535

dose-response for local control with hyperfractionated radiation therapy in advanced carcinomas of the upper aerodigestive tracts: preliminary report of radiation therapy oncology group protocol 83-13, Cox JD; Pajak TF; Marcial VA; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 515

effect of host age on microenvironmental heterogeneity and efficacy of combined modality therapy in solid tumors, Rockwell S; Hughes CS; Kennedy KA, Int J Radiat Oncol Biol Phys 1991; **20:** 259

effect of patient-to-patient variability on the accuracy of predictive assays of tumor response to radiotherapy: a theoretical evaluation, Tucker SL; Thames HD Jr, Int J Radiat Oncol Biol Phys 1989; **17:** 145

hyperthermia quality assurance guidelines, Shrivastava P; Luk K; Oleson J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 571

improved coupling of ultrasound hyperthermia applicators to patients, Oleson JR; Samulski TV, Int J Radiat Oncol Biol Phys 1989; **16:** 609

influence of national attitudes on the use of radiotherapy in advanced and metastatic cancer, with particular reference to differences between the United Kingdom and the United States of America: implications for future studies, Maher EJ, Int J Radiat Oncol Biol Phys 1991; **20:** 1369

initial results of a phase I trial of continuous infusion SR 2508 (etanidazole): a radiation therapy oncology group study, Coleman CN; Noll L; Howes AE; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1085

intentions and outcomes in the radiotherapeutic management of epidemic Kaposi's sarcoma, Cooper JS; Steinfeld AD; Lerch I, Int J Radiat Oncol Biol Phys 1991; **20:** 419

intraoperative I-125 seed implantation for extensive recurrent head and neck carcinomas, Lee D-J; Liberman FZ; Park RI; Zinreich ES, Radiology 1991; **178:** 879

keynote address: glutathione modulation in cancer treatment: will it work?, Mitchell JB; Cook JA; DeGraff W; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1289

keynote address: the influence of microenvironmental factors on the activity of radiation and drugs, Durand RE, Int J Radiat Oncol Biol Phys 1991; **20:** 253

linear-quadratic formula and progress in fractionated radiotherapy, Fowler JF, Br J Radiol 1989; **62:** 679

manipulations in the oxygen transport capacity of blood as a means of sensitizing tumors to radiation therapy, Siemann DW; Alliet KL; Macler LM, Int J Radiat Oncol Biol Phys 1989; **16:** 1169

modification of normal tissue response to radiotherapy and chemotherapy, Stewart FA, Int J Radiat Oncol Biol Phys 1989; **16:** 1195

national training of radiotherapists in Sri Lanka and Zimbabwe: priorities and strategies for cancer control in developing countries, Stjernswärd J, Int J Radiat Oncol Biol Phys 1990; **19:** 1275

on-line portal imaging: computer-assisted error measurement, Lam W-C; Herman MG; Lam K-S; Lee D-J, Radiology 1991; **179:** 871

optimization of the absorbed power distribution for an annular phased array hyperthermia system, Strohbehn JW; Curtis EH; Paulsen KD; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 589

overview of cancer management by radiotherapy in anglophone West Africa, Durosinmi-Etti FA, Int J Radiat Oncol Biol Phys 1990; **19:** 1263

overview of the situation in radiotherapy with emphasis on the developing countries, Hanson GP; Stjernswärd J; Nofal M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1257

phase I-II trial of cisplatin, hyperthermia and radiation in patients with locally advanced malignancies, Herman TS; Jochelson MS; Teicher BA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1273

pituitary adenoma: the efficacy of radiotherapy as the sole treatment, Rush SC; Newall J, Int J Radiat Oncol Biol Phys 1989; **17:** 165

positive clinical experience with misonidazole in brachytherapy and external radiotherapy, Baillet F; Housset M; Dessard-Diana B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1073

potential impact of improvements in radiation therapy on quality of life and survival, Suit HD; Miralbell R, Int J Radiat Oncol Biol Phys 1989; **16:** 891

potential of neutron capture therapy in the management of uncontrollable localised tumours, Allen BJ, Australas Radiol 1990; **34:** 297

presidential address: systemic radiotherapy—the new frontier, Order SE, Int J Radiat Oncol Biol Phys 1990; **18:** 981

professional liability in radiotherapy: experience of the Fletcher Society, Sherman NE; Rich TA; Peters LJ, Int J Radiat Oncol Biol Phys 1991; **20:** 563

proposed standard data file format for hyperthermia treatments, Sapareto SA; Corry PM, Int J Radiat Oncol Biol Phys 1989; **16:** 613

quality assurance problems in clinical hyperthermia and their impact on therapeutic outcome: a report by the radiation therapy oncology group, Perez CA; Gillespie B; Pajak T; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 551

radiation therapy following keloidectomy: a 20-year experience, Kovalic JJ; Perez CA, Int J Radiat Oncol Biol Phys 1989; **17:** 77

Radiation Therapy Oncology Group: an update of clinical research activities, Wasserman TH; Phillips TL; Hanks GE; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1383

radioprotection of normal tissues of the mouse by hypoxic breathing, Stevens GN; Joiner B; Denekamp J, Int J Radiat Oncol Biol Phys 1989; **16:** 1165

radiotherapy and oncology in Papua New Guinea—how it differs from Western practice, Martin WMC, Australas Radiol 1990; **34:** 238

radiotherapy for large symptomatic hemangiomas, Schild SE; Buskirk SJ; Frick LM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 729

radiotherapy in China today, Fu LT, Int J Radiat Oncol Biol Phys 1989; **16:** 293

radiotherapy in the management of aggressive fibromatosis, Atahan IL; Akyol F; Zorlu F; et al, Br J Radiol 1989; **62:** 854

radiotherapy situation in Thailand and South East Asia, Tungsubutra K, Int J Radiat Oncol Biol Phys 1990; **19:** 1271

randomized study of the efficacy of adjuvant local graft irradiation following renal transplantation, Torrisi JR; Dritschilo A; Harter KW; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1027

rationale for continuous, hyperfractionated, accelerated radiotherapy (CHART), Dische S; Saunders MI, Int J Radiat Oncol Biol Phys 1990; **19:** 1317

regional hyperthermia for advanced tumors: a clinical study of 353 patients, Petrovich Z; Langholz B; Gibbs FA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 601

repeat megavoltage irradiation of pituitary and suprasellar tumors, Flickinger JC; Deutsch M; Lunsford LD, Int J Radiat Oncol Biol Phys 1989; **17:** 171

response of the KHT sarcoma to radiotherapy as measured by water proton NMR relaxation times: relationships with tumor volume and water content, Belfi CA; Medendorp SV; Ngo FQH, Int J Radiat Oncol Biol Phys 1991; **20:** 497

role of radiation therapy in the treatment of locally unresectable or metastatic carcinoid tumors, Schupak KD; Wallner KE, Int J Radiat Oncol Biol Phys 1991; **20:** 489

second cancer following chemotherapy and radiotherapy: an epidemiological perspective, Kaldor J, Acta Oncol 1990; **29:** 647

situation of radiotherapy in Latin America, Teixeira LCC, Int J Radiat Oncol Biol Phys 1990; **19:** 1267

stereotactic frame for neuroradiology and charged particle Bragg peak radiosurgery of intracranial disorders, Lyman JT; Phillips MH; Frankel KA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1615

temperature mapping with MR imaging of molecular diffusion: application to hyperthermia, Le Bihan D; Delannoy J; Levin RL, Radiology 1989; **171:** 853

the 1987 Franz Buschke lecture: the role of radiotherapy in the treatment of chemosensitive tumors, Tubiana M, Int J Radiat Oncol Biol Phys 1989; **16:** 763

three-port perineal sparing technique, Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM, Radiology 1991; **180:** 563

treatment verification using a computer workstation, Weinhous MS, Int J Radiat Oncol Biol Phys 1990; **19:** 1549

trimodality therapy (drug/hyperthermia/radiation) with BCNU or mitomycin C, Herman TS; Teicher BA; Holden SA, Int J Radiat Oncol Biol Phys 1990; **18:** 375

tumor temperature distributions predict hyperthermia effect, Oleson JR; Dewhirst MW; Harrelson JM; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 559

value of adjunctive radiotherapy when chemotherapy is the major curative method, Arriagada R; Cosset JM; le Chevalier T; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1279

variation in tumor response to Fluosol-DA (20%), Sasai K; Ono K; Nishidai T; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1149

what is the cost of radiotherapy?, Goddard MK; Hutton J, Eur J Radiol 1991; **13:** 76

Therapeutic radiology, comparative studies

analysis of preoperative intracavitary cesium application versus postoperative external beam radiation in stage I endometrial carcinoma, Sause WT; Fuller DB; Smith WG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1011

comparison of ^{131}I-labeled monoclonal antibody 17-1A treatment to external beam irradiation on the growth of LS174T human colon carcinoma xenografts, Buchsbaum DJ; Ten Haken RK; Heidorn DB; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1033

comparison of postoperative techniques for carcinomas of the larynx and hypopharynx using 3-D dose distributions, Sailer SL; Sherouse GW; Chaney EL; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 767

prospective randomized trial comparing hyperfractionated versus conventional radiotherapy in stages III and IV oropharyngeal carcinoma, Pinto LHJ; Canary PCV; Araújo CMM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 557

Therapeutic radiology, complications

See Radiations, injurious effects, complications of therapeutic radiology

Therapeutic radiology, computer-assisted

computation of digitally reconstructed radiographs for use in radiotherapy treatment design, Sherouse GW; Novins K; Chaney EL, Int J Radiat Oncol Biol Phys 1990; **18:** 651

computer-assisted conformation radiotherapy with a variable thickness multi-leaf filter, Kobayashi H; Sakuma S; Kaii O; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1631

computer assisted treatment planning for ^{125}I ophthalmic plaque radiotherapy, Ling CC; Chen GTY; Boothby JW; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 405

dedicated microcomputer for a superficial radiotherapy unit, Cassell KJ; Gamble JM; Gerard-Martin S, Br J Radiol 1990; **63:** 488

development of computer algorithms for radiation treatment planning, Cunningham JR, Int J Radiat Oncol Biol Phys 1989; **16:** 1367

evaluation of volumetric differences through 3-dimensional display of distance of closest approach, Stracher MA; Goitein M; Rowell D, Int J Radiat Oncol Biol Phys 1989; **17:** 1095

full integration of the beam's eye view concept into computerized treatment planning, McShan DL; Fraass BA; Lichter AS, Int J Radiat Oncol Biol Phys 1990; **18:** 1485

improved dose homogeneity in the head and neck using computer controlled radiation therapy, Lane RG; Loyd MD; Chow CH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1531

large scale optimization of beam weights under dose-volume restrictions, Langer M; Brown R; Urie M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 887

on-line portal imaging: computer-assisted error measurement, Lam W-C; Herman MG; Lam K-S; Lee D-J, Radiology 1991; **179:** 871

promise of a new technology: knowledge-based systems in radiation oncology and diagnostic radiology, Zink S, Comput Med Imag Graph 1989; **13:** 281

radiotherapy departmental automation, Ragan DP, Comput Med Imag Graph 1989; **13:** 295

Therapeutic radiology, dosimetry

See Dosimetry

Therapeutic radiology, electrons

abutment of high energy electron fields, Harms WB; Purdy JA, Int J Radiat Oncol Biol Phys 1991; **20:** 853

considerations on recombination losses in ionization chambers using pulsed electron beams with beam scanning, Müller-Sievers K; Kober B, Int J Radiat Oncol Biol Phys 1989; **17:** 1323

development of total-skin electron therapy at two energies, Cox RS; Heck RJ; Fessenden P; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 659

dose in bone and tissue near bone-tissue interface from electron beam, Shiu AS; Hogstrom KR, Int J Radiat Oncol Biol Phys 1991; **21:** 695

dose volume histogram analysis of lung radiation from chest wall treatment: comparison of electron arc and tangential photon beam techniques, McNeely LK; Leavitt DD; Egger MJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 515

electron arc therapy: design, implementation and evaluation of a dynamic multi-vane collimator system, Leavitt DD; Stewart JR; Moeller JH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1089

improved dose homogeneity in electron arc therapy achieved by a multiple-energy technique, Leavitt DD; Stewart JR; Earley L, Int J Radiat Oncol Biol Phys 1990; **19:** 159

interactive system for point dose optimization, Starkschall G; Henkelmann GC; Ang KK, Int J Radiat Oncol Biol Phys 1990; **18:** 957

intraoperative electron beam radiation therapy (IOEBRT) for carcinoma of the exocrine pancreas, Dobelbower RR Jr; Konski AA; Merrick HW III; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 113

medulloblastoma: long-term follow-up of patients treated with electron irradiation of the spinal field, Gaspar LE; Dawson DJ; Tilley-Gulliford SA; Banerjee P, Radiology 1991; **180:** 867

method for the assessment of the output of irregularly shaped electron fields, Jones D; Andre P; Washington JT; et al, Br J Radiol 1990; **63:** 59

non-docking intraoperative electron beam applicator system, Palta JR; Suntharalingam N, Int J Radiat Oncol Biol Phys 1989; **17:** 411

observations of visual sensations produced by Cerenkov radiation from high-energy electrons, Steidley KD; Eastman RM; Stabile RJ, Int J Radiat Oncol Biol Phys 1989; **17:** 685

optimization of electron arc therapy doses by multi-vane collimator control, Leavitt DD; Stewart JR; Moeller JH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 489

physical aspects of external beam radiotherapy for the treatment of malignant pleural mesothelioma, Soubra M; Dunscombe PB; Hodson DI; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1521

physical aspects of the angle-β concept in electron arc therapy, Pla M; Podgorsak EB; Pla C; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1331

rapid method of production of irregular-shaped fields for use with patients receiving electron radiotherapy, Plane JH; Usher C, Br J Radiol 1990; **63:** 882

technique for total skin electron irradiation using six large flattened electron beams: implementation on linear accelerators having different modes of electron beam production, El-Khatib EG; Rymel J; Al-Mokhlef J, Br J Radiol 1989; **62:** 744

total skin electron arc irradiation using a reclined patient position, Gerbi BJ; Khan FM; Deibel FC; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 397

total skin electron beam and total nodal irradiation of cutaneous T-cell lymphoma, Micaily B; Campbell O; Moser C; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 809

verification of electron beam therapy with conventional and storage phosphor images: preliminary experience, Gur D; Weiser JC; Deutsch M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1337

verification of electron beam therapy with storage phosphor images: precision of field placement, Weiser JC; Gur D; Cano ER; Deutsch M; Wu A; Mogus RM, Radiology 1990; **175:** 257

Therapeutic radiology, experimental

biological effectiveness of fast neutrons on a murine osteosarcoma, Ishii T; Ando K; Koike S, Int J Radiat Oncol Biol Phys 1989; **16:** 693

changes in biological effectiveness of the neutron beam at Clatterbridge (62 MeV p on Be) measured with cells *in vitro*, Bewley DK; Cullen BM; Astor M; et al, Br J Radiol 1989; **62:** 344

combination therapy of pions and SPG (Sonifilan, Schizophyllan), a biological response maodifier for mouse tumor systems, Ogawa Y; Goodman GB; Chaplin DJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1415

effects of recombinant growth factors on radiation survival of human bone marrow progenitor cells, Uckun FM; Gillis S; Souza L; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 415

experimental intra-arterial administration of SR-2508 in the rabbit V2 carcinoma model, Coldwell DM; Huff J; Marcellus H; et al, Br J Radiol 1989; **62:** 234

fetal hypothalamic transplants into brain irradiated rats: graft morphometry and host behavioral responses, Pearlman SH; Rubin P; White HC; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 293

histopathological changes of human tumors following thermoradiotherapy, Jo S; Hiraoka M; Akuta K; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1265

imaging positron emitting radionuclides generated during radiation therapy, Strauss LG; Clorius JH; Kimmig B; et al, Eur J Radiol 1989; **9:** 200

keynote address: modulation of normal tissue toxicity by combined modality therapy: considerations for improving the therapeutic gain, Stewart FA, Int J Radiat Oncol Biol Phys 1991; **20:** 319

oncology/radiation therapy: RSNA '89 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1990; **174:** 919

oncology/radiation therapy. RSNA '90 meeting notes, Sagerman RH; Cooper J; Cox JD; Wharam M, Radiology 1991; **178:** 606

radiation response of xenografts of a human squamous cell carcinoma and a glioblastoma multiforme: a progress report, Suit HD; Zietman A; Tomkinson KN; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 365

radiobiological comparison of external beam irradiation and radioimmunotherapy in renal cell carcinoma xenografts, Wessels BW; Vessella RL; Palme DF II; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1257

radiobiology of the rhabdomyosarcoma R1H of the rat: influence of the size of irradiation field on tumor response, tumor bed effect, and neovascularization kinetics, Würschmidt F; Beck-Bornholdt H-P; Vogler H, Int J Radiat Oncol Biol Phys 1990; **18:** 879

response of aorta and branch arteries to experimental intraoperative irradiation, Gillette EL; Powers BE; McChesney SL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1247

response of hypoxic cells in SCCVII murine tumors to treatment with cisplatin and x rays, Yan R; Durand RE, Int J Radiat Oncol Biol Phys 1991; **20:** 271

response of murine small intestine to combined treatment with fostriecin and x rays, Rao KR; Fritz-Niggli H, Br J Radiol 1990; **63:** 286

structure–function analysis of angiotensin-converting enzyme inhibitors as modifiers of radiation-induced pulmonary endothelial dysfunction in rats, Ward WF; Molteni A; Kim YT; et al, Br J Radiol 1989; **62:** 348

therapeutic responses of spontaneous canine malignancies to combinations of radiotherapy and hyperthermia, Denman DL; Legorreta RA; Kier AB; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 415

tumor bed effect-induced reduction of tumor radiocurability through the increase in hypoxic cell fraction, Milas L; Hunter N; Peters LJ, Int J Radiat Oncol Biol Phys 1989; **16:** 139

tumor necrosis factor as an adjunct to fractionated radiotherapy in the treatment of murine tumors, Nishiguchi I; Willingham V; Milas L, Int J Radiat Oncol Biol Phys 1990; **18:** 555

use of Chinese herb medicine in experimental radiotherapy, Shen Y; Yang X-Y; Zhan Q-M; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 347

Therapeutic radiology, in infants and children

evaluation of response following irradiation of juvenile angiofibromas, Robinson ACR; Khoury GG; Ash DV; et al, Br J Radiol 1989; **62:** 245

failure of development of the growing breast after radiation therapy, Rosenfield NS; Haller JO; Berdon WE, Pediatr Radiol 1989; **19:** 124

gonadal status and reproductive function following treatment for Hodgkin's disease in childhood: the Stanford experience, Ortin TTS; Shostak CA; Donaldson SS, Int J Radiat Oncol Biol Phys 1990; **19:** 873

intraoperative radiotherapy in the multidisciplinary treatment of pediatric tumors: a preliminary report on initial results, Calvo FA; Sierrasesúmaga L; Martin I; et al, Acta Oncol 1989; **28:** 257

juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263

local control and survival of Ewing's sarcoma in children with radiotherapy and chemotherapy without radical surgery, Munoz A; Madero L; Amaya J; et al, Acta Oncol 1989; **28:** 245

long-term psychological effects in children treated for intracranial tumors, Jannoun L; Bloom HJG, Int J Radiat Oncol Biol Phys 1990; **18:** 747

paediatric brachytherapy: I. the role of brachytherapy in the multidisciplinary therapy of localized cancers, Plowman PN; Doughty D; Harnett AN, Br J Radiol 1989; **62:** 218

paediatric brachytherapy: II. brain implantation, Thomson ES; Afshar F; Plowman PN, Br J Radiol 1989; **62:** 223

paediatric haemangiomas: the role of radiotherapy, Dutton SC; Plowman PN, Br J Radiol 1991; **64:** 261

pineal region germinomas in childhood treatment considerations, Jenkin D; Berry M; Chan H; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 541

radium treatment for hemangioma in early childhood: reconstruction and dosimetry of treatments, 1920–1959, Lundell M; Fürst CJ; Hedlund B; et al, Acta Oncol 1990; **29:** 551

tumors after radiotherapy for skin hemangioma in childhood: a case–control study, Fürst CJ; Lundell M; Holm L-E, Acta Oncol 1990; **29:** 557

twice-daily anesthesia in infants receiving hyperfractionated irradiation, Menache L; Eifel PJ; Kennamer DL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 625

Therapeutic radiology, interstitial and intracavitary

absorbed power deposition for various insertion depths for 915 MHZ interstitial dipole antenna arrays: experiment versus theory, Ryan TP; Mechling JA; Strohbehn JW, Int J Radiat Oncol Biol Phys 1990; **19:** 377

afterloading intracavitary radiation treatment of nasopharyngeal carcinoma: description of a technique and preliminary treatment results, Teo P; Tsao SY; Leung SF, Acta Oncol 1989; **28:** 525

aneurysm, arachnoiditis and intrathecal Au (gold), Pence DM; Kim TH; Levitt SH, Int J Radiat Oncol Biol Phys 1990; **18:** 1001

applicator for use of cesium-137 miniaturized tube sources in the treatment of uterine cervix cancer, Kumar PP; Good RR; McCaul GF, Int J Radiat Oncol Biol Phys 1990; **18:** 1509

assessment of computed tomographic artefact in the putuitary fossa following needle implantation of radioactive rods, O'Donnell CJ; Yong K; Joplin GF, Clin Radiol 1989; **40:** 154

bladder puncture from Fletcher-Suit tandem applicator: diagnosis by pelvic ultrasound, Rossmann MD; Koprowski C; Lewis G; et al, J Ultrasound Med 1989; **8:** 403

boron neutron capture enhancement of ^{252}Cf brachytherapy, Beach JL; Schroy CB; Ashtari M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1421

brachytherapy as part of the definitive management of squamous cancer of the base of tongue, Harrison LB; Sessions RB; Strong EW; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1309

calibration of a Microselectron HDR iridium 192 source, Flynn A; Workman G, Br J Radiol 1991; **64:** 734

carcinoma of the uterine cervix stage IB and early stage II. prognostic value of the histological tumor regression after initial brachytherapy, Calais G; Le Floch O; Chauvet B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1231

clinical advantages of I-125 seeds as a substitute for Ir-192 seeds in temporary plastic tube implants, Clarke DH; Edmundson GK; Martinez A; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 859

clinical patterns of failure following stereotactic interstitial irradiation for malignant gliomas, Loeffler JS; Alexander E III; Hochberg FH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1455

clinical results in carcinoma of the cervix: radium compared to caesium using remote afterloading, Jackson SM; Fairey RN; Kornelsen RO; et al, Clin Radiol 1989; **40:** 302

clinical study of 407 cases of nasopharyngeal carcinoma in Hong Kong, Teo P; Tsao SY; Shiu W; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 515

clinical trials with local (external and interstitial) irradiation and hyperthermia: current and future perspectives, Perez CA; Emami BN, Radiol Clin North Am 1989; **27:** 525

combined treatment with interstitial hyperthermia and interstitial radiotherapy in an animal tumor model, Ruifrok ACC; Levendag PC; Lakeman RF; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1281

comparison of 1 vs 2 or more intracavitary brachytherapy applications in the management of carcinoma of the cervix, with irradiation alone, Marcial LV; Marcial VA; Krall JM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 81

computer applications to radioactive-seed: brain-tumor implants, Meli JA; Dicker CS; Schulz RJ, Comput Med Imag Graph 1989; **13:** 269

conditions for the equivalence of continuous to pulsed low dose rate brachytherapy, Brenner DJ; Hall EJ, Int J Radiat Oncol Biol Phys 1991; **20:** 181

conformal static field therapy for low volume low grade prostate cancer with rigid immobilization, Soffen EM; Hanks GE; Hwang CC; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 141

CT-based computerized treatment planning system for I-125 stereotactic brain implants, Weaver K; Smith V; Lewis JD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 445

CT-based optimized planning for transperineal prostate implant with customized template, Roy JN; Wallner KE; Chiu-Tsao S-T; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 483

CT-compatible version of the Fletcher system intracavitary applicator: clinical application and 3-dimensional treatment planning, Schoeppel SL; Fraass BA; Hopkins MP; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1103

cylindrical forms of isodoses in gynaecological afterloading therapy: an atlas using the Buchler afterloading machine al–mc, Busch M II; Dühmke E, Br J Radiol 1990; **63:** 562

design of an afterloading vaginal applicator (MIRALVA), Perez CA; Slessinger E; Grigsby PW, Int J Radiat Oncol Biol Phys 1990; **18:** 1503

discriminant analysis on the treatment results of interstitial radium tongue implants, Hoshina M; Shibuya H; Horiuchi J-I; et al, Br J Radiol 1989; **62:** 59

dose calculation and measurements for a CT compatible version of the Fletcher applicator, Weeks KJ; Dennett JC, Int J Radiat Oncol Biol Phys 1990; **18:** 1191

dose calculations about shielded gynecological colpostats, Williamson JF, Int J Radiat Oncol Biol Phys 1990; **19:** 167

dose distribution following selective internal radiation therapy, Fox RA; Klemp PFB; Egan G; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 463

dose-effect relation of interstitial low-dose-rate radiation (Ir^{192}) in an animal tumor model, Ruifrok ACC; Levendag PC; Lakeman RF; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 31

dose equivalence for high-dose-rate to low-dose-rate intracavitary irradiation in the treatment of cancer of the uterine cervix, Akine Y; Tokita N; Ogino T; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1511

dosimetric analysis in brachytherapy of carcinoma of the cervix, Krishnan L; Cytaki EP; Wolf CD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 965

dosimetric considerations of stereotactic brain implants, Saw CB; Suntharalingam N; Ayyangar KM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 887

effect of applicator geometry on dose specification in cervical cancer, Potish RA, Int J Radiat Oncol Biol Phys 1990; **18:** 1513

endobronchial radiation therapy (EBRT) in the management of lung cancer, Roach M III; Leidholdt EM Jr; Tatera BS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1449

enteric morbidity of postoperative pelvic external beam and brachytherapy for uterine cancer, Potish RA; Dusenbery KE, Int J Radiat Oncol Biol Phys 1990; **18:** 1005

external irradiation by an interstitial high activity iodine-125 implant "boost" in the initial treatment of malignant gliomas: NCOG study 6G-82-2, Gutin PH; Prados MD; Phillips TL; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 601

ferromagnetic thermoseeds: suitable for an afterloading interstitial implant, Meredith RF; Brezovich IA; Weppelmann B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1341

fractionated high dose rate *versus* low dose rate regimens for intracavitary brachytherapy of the cervix: I. general considerations based on radiobiology, Brenner DJ; Hall EJ, Br J Radiol 1991; **64:** 133

high dose-rate afterloading in the treatment of cervical cancer of the uterus, Shu-Mo C; Xiang-E W; Qi W, Int J Radiat Oncol Biol Phys 1989; **16:** 335

high dose rate afterloading intracavitary therapy in carcinoma of the cervix, Roman TN; Souhami L; Freeman CR; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 921

high-dose-rate afterloading technique in the radiation treatment of uterine cervical cancer: 399 cases and 9 years experience in Taiwan, Chen M-S; Lin F-J; Hong C-H; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 915

high dose rate intracavitary brachytherapy for recurrent cervical cancer of the vaginal stump following hysterectomy, Ito H; Kumagaya H; Shigematsu N; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 927

high-dose-rate versus low-dose-rate intracavitary brachytherapy for carcinoma of the cervix, Fu KK; Phillips TL, Int J Radiat Oncol Biol Phys 1990; **19:** 791

ICRU recommendations for reporting intracavitary therapy in gynaecology and the Manchester method of treating cancer of the cervix uteri, Wilkinson JM; Ramachandran TP, Br J Radiol 1989; **62:** 362

improvements in brachytherapy quality assurance, Slessinger E; Grigsby PW; Williams J, Int J Radiat Oncol Biol Phys 1989; **16:** 497

indium-111 DTPA flow study to evaluate surgically implanted drug pump delivery system, Rosenson AS; Ali A; Fordham EW; et al, Clin Nucl Med 1990; **15:** 154

indwelling intrauterine tube to facilitate intracavitary radiotherapy of carcinoma of the cervix, Smit BJ; du Toit JP; Groenewald WA, Br J Radiol 1989; **62:** 68

intermediate dose rate remote afterloading brachytherapy for intraluminal control of bronchogenic carcinoma, Speiser B; Spratling L, Int J Radiat Oncol Biol Phys 1990; **18:** 1443

interstitial brachytherapy for pancreatic cancer: report of seven cases treated with ^{125}I and a review of the literature, Montemaggi P; Dobelbower R; Crucitti F; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 451

interstitial curietherapy in the conservative treatment of anal and rectal cancers, Papillon J; Montbarbon JF; Gerard JP; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1161

interstitial IR-192 implants of the oral cavity: the planning and construction of volume implants, Schmidt-Ullrich R; Zwicker RD; Wu A; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1079

interstitial ^{192}Ir flexible catheter radiofrequency hyperthermia treatments of head and neck and recurrent pelvic carcinomas, Goffinet DR; Prionas SD; Kapp DS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 199

interstitial iridium 192 for cutaneous carcinoma of the external nose, Crook JM; Mazeron J-J; Marinello G; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 243

interstitial iridium-192 implantation for malignant brain tumors. part I: techniques of dosimetry planning, Wu A; Chun M; Kasdon D; et al, Br J Radiol 1989; **62:** 154

interstitial iridium-192 implantation for malignant brain tumours. part II: clinical experience, Chun M; McKeough P; Wu A; et al, Br J Radiol 1989; **62:** 158

interstitial thermoradiotherapy of brain tumors: preliminary results of a phase I clinical trial, Stea B; Cetas TC; Cassady JR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1463

interstitial thermoradiotherapy: thermal dosimetry and clinical results, Shimm DS; Kittelson JM; Oleson JR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 383

intracavitary irradiation of endometrial carcinoma using a high-intensity ^{60}CO afterloading method, Sipilä P; Kauppila A, Acta Oncol 1989; **28:** 601

intracavitary irradiation of prostatic carcinoma by a high dose-rate afterloading technique, Ödelberg-Johnson O; Underskog I; Johansson J-E; et al, Acta Oncol 1991; **30:** 45

intracavitary radiation treatment of nasopharyngeal carcinoma by the high dose rate afterloading technique, You-Wang Z; Tai-Fu L; Ci-Xi F, Int J Radiat Oncol Biol Phys 1989; **16:** 315

intraperitoneal radioactive phosphate in early ovarian carcinoma: an analysis of complications, Walton LA; Yadusky A; Rubinstein L, Int J Radiat Oncol Biol Phys 1991; **20:** 939

iridium-192 applicator for the treatment of stomal recurrence following tracheostomy for subglottic carcinoma, Jones RD; Clarkson DG; Symonds RP; et al, Br J Radiol 1991; **64:** 270

iridium 192 implantation of T1 and T2 carcinomas of the mobile tongue, Mazeron JJ; Crook JM; Benck V; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1369

is interstitial implantation essential for successful radiotherapeutic treatment of base of tongue carcinoma?, Foote RL; Parsons JT; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1293

limb salvage in soft tissue sarcomas involving neurovascular structures using combined surgical resection and brachytherapy, Zelefsky MJ; Nori D; Shiu MH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 913

local recurrence of soft tissue sarcoma following brachytherapy, Gemer LS; Trowbridge DR; Neff J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 587

measurement of dose rate from exposure-calibrated ^{125}I seeds, Luxton G; Astrahan MA; Findley DO; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1199

new applicator, positionable to the center of tracheobronchial lumen for HDR-IR-192-afterloading of tracheobronchial tumors, Fritz P; Schraube P; Becker HD; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1061

new design of Delclos dome cylinders using standard Cs-137 sources, Sharma SC; Bhandare N, Int J Radiat Oncol Biol Phys 1991; **21:** 511

new device for interstitial ^{125}iodine seed implantation, Hawliczek R; Neubauer J; Schmidt WFO; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 621

new device to stabilize templates for transperineal I-125 implants, Wallner K; Chiu-Tsao S-t; Roy J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1075

new spacing material for interstitial implantation of radioactive seeds, Hammer J; Hawliczek R; Kärcher KH; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 259

new technique for endocavitary irradiation of the esophagus, Pizzi GB; Beorchia A; Cereghini ME; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 261

on using the linear-quadratic model in daily clinical practice, Yaes RJ; Patel P; Maruyama Y, Int J Radiat Oncol Biol Phys 1991; **20:** 1353

paediatric brachytherapy: I. the role of brachytherapy in the multidisciplinary therapy of localized cancers, Plowman PN; Doughty D; Harnett AN, Br J Radiol 1989; **62:** 218

paediatric brachytherapy: II. brain implantation, Thomson ES; Afshar F; Plowman PN, Br J Radiol 1989; **62:** 223

paraspinal tumors: techniques and results of brachytherapy, Armstrong JG; Fass DE; Bains M; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 787

pelvic lymphadenectomy and transperineal interstitial implantation of Ir 192 combined with external beam radiotherapy for bulky stage C prostatic carcinoma, Brindle JS; Martinez A; Schray M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1063

perineal template techniques for interstitial implantation of gynecological cancers using the Paris system of dosimetry, Leung S, Int J Radiat Oncol Biol Phys 1990; **19:** 769

positive clinical experience with misonidazole in brachytherapy and external radiotherapy, Baillet F; Housset M; Dessard-Diana B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1073

postoperative vaginal irradiation by a high dose-rate afterloading technique in endometrial carcinoma stage I, Sorbe BG; Smeds A-C, Acta Oncol 1989; **28:** 679

postoperative vaginal irradiation with high dose rate afterloading technique in endometrial carcinoma stage I, Sorbe BG; Smeds A-C, Int J Radiat Oncol Biol Phys 1990; **18:** 305

prediction of severe late complications in fractionated, high dose-rate brachytherapy in gynecological applications, Van Lancker M; Storme G, Int J Radiat Oncol Biol Phys 1991; **20:** 1125

preoperative intracavitary irradiation of endometrial carcinoma stage I by a high dose rate afterloading technique, Sorbe B; Frankendal B; Risberg B, Acta Oncol 1989; **28:** 577

preoperative intrauterine irradiation of endometrial carcinoma stage I: a clinical and radiographic evaluation of the bulb technique, Sorbe B; Blomé L; Jansson P; et al, Acta Oncol 1990; **29:** 217

preoperative or postoperative brachytherapy for patients with endometrial carcinoma stage I and II, Calais G; Vitu L; Descamps P; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 523

primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267

primary radiotherapy in the treatment of stage I and II oral tongue cancers: importance of the proportion of therapy delivered with interstitial therapy, Wendt CD; Peters LJ; Delclos L; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1287

prognostic factors in limited rectal cancer treated with intracavitary irradiation, Roth SL; Horiot JC; Calais G; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1445

prognostic factors of local outcome for T1, T2 carcinomas of oral tongue treated by iridium 192 implantation, Mazeron JJ; Crook JM; Marinello G; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 281

quantitative assessment of interstitial implants, Saw CB; Suntharalingam N, Int J Radiat Oncol Biol Phys 1991; **20:** 135

radiobiological advantages of an immediate interstitial boost dose in conservative treatment of breast cancer, Krishnan EC; Krishnan L; Cytaki EP; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 419

radiobiological assessment of permanent implants using tumour repopulation factors in the linear-quadratic model, Dale RG, Br J Radiol 1989; **62:** 241

recurrent tumors of the head and neck, pelvis, and chest wall: treatment with hyperthermia and brachytherapy, Rafla S; Parikh K; Tchelebi M; Youssef E; Selim H; Bishay S, Radiology 1989; **172:** 845

reduction in radiation exposure to nursing personnel with the use of remote afterloading brachytherapy devices, Grigsby PW; Perez CA; Eichling J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 627

regeneration in cervix cancer after ^{252}Cf neutron brachytherapy, Maruyama Y; Wierzbicki J; Feola JM; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 61

relationship between kerma and treatment volume in intracavitary radiation therapy, Ragnhult I; Holmberg E; Mattsson S, Acta Oncol 1990; **29:** 307

relative biological effectiveness of photon radiation from encapsulated iodine-125, assessed in cells of human origin: I. normal diploid fibroblasts, Marchese MJ; Goldhagen PE; Zaider M; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1407

remote afterloading intraluminal brachytherapy in the treatment of rectal, rectosigmoid, and anal cancer: a feasibility study, Kaufman N; Nori D; Shank B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 663

results of treatment of carcinoma of the uterine cervix using the Newcastle afterloading technique, Dawes PJDK; Dean EM; Lambert GD, Br J Radiol 1989; **62:** 64

role of brachytherapy in recurrent extremity sarcoma in patients treated with prior surgery and irradiation, Nori D; Shupak K; Shiu MH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1229

role of brachytherapy in the management of pulmonary and mediastinal malignancies, (ab), Lewis JW Jr; Ajlouni M; Kvale PA; et al, Radiology 1991; **178:** 292

role of intracavitary cuff boost after adjuvant external irradiation in early endometrial carcinoma, Randall ME; Wilder J; Greven K; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 49

small, superficial esophageal carcinoma treated with high-dose-rate intracavitary irradiation only, Hishikawa Y; Kurisu K; Taniguchi M; Kamikonya N; Miura T, Radiology 1989; **172:** 267

source localizing technique for the microSelectron-HDR afterloading system, Jones CH, Br J Radiol 1989; **62:** 69

split course interstitial brachytherapy with a source shift: the results of a new iridium implant technique versus single course implants for salvage irradiation of base of tongue cancers in 55 patients, Housset M; Baillet F; Delanian S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 965

survival and quality of life after interstitial implantation of removable high-activity iodine-125 sources for the treatment of patients with recurrent malignant gliomas, Leibel SA; Gutin PH; Wara WM; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1129

tandem tip fracture: a rare complication of intracavitary therapy of cervix cancer and how to avoid its occurrence, Anscher MS; Bentel GC; Murray MJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 511

therapeutic effects of S-35-thiouracil in BALB/c mice carrying Harding-Passey melanoma, Fairchild RG; Coderre JA; Packer S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 337

transperineal templates for brachytherapy treatment of pelvic malignancies—a comparison of standard and customized templates, Bentel GC; Oleson JR; Clarke-Pearson D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 751

treatment of persistent and recurrent nasopharyngeal carcinoma by brachytherapy, Sham JST; Wei WI; Choy D; et al, Br J Radiol 1989; **62:** 355

treatment of primary unresectable carcinoma of the pancreas with I-125 implantation, Peretz T; Nori D; Hilaris B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 931

treatment planning for permanent and temporary percutaneous implants with custom made templates, Osian AD; Anderson LL; Linares LA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 219

treatment planning of template-guided stereotaxic brain implants, Lulu BA; Lutz W; Stea B; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 951

treatment results of stereotactic interstitial brachytherapy for primary and metastatic brain tumors, Lucas GL; Luxton G; Cohen D; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 715

twenty years experience of interstitial iridium brachytherapy in the management of soft tissue sarcomas, Habrand JL; Gerbaulet A; Pejovic MH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 405

ultrasonically guided percutaneous implantation of iodine-125 seeds in pancreatic carcinoma, Joyce F; Burcharth F; Holm HH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1049

uncertainty in dose estimation for gynecological implants, Chow H; Lane RG; Rosen II, Int J Radiat Oncol Biol Phys 1990; **19:** 1555

unified approach to the optimization of brachytherapy and external beam dosimetry, Holmes T; Mackie TR; Simpkin D; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 859

usefulness of ultrasonography in intracavity radiotherapy using selectron applicators, Wong F; Bhimji S, Int J Radiat Oncol Biol Phys 1990; **19:** 477

use of a prosthetic tissue expander to displace bowel from a brachytherapy implant site, Armstrong JG; Harrison LB; Dattoli M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1521

use of microwave-induced hyperthermia in conjunction with afterloading irradiation of vaginal carcinoma: a preliminary report, Sorbe B; Roos DIF; Karlsson LG, Acta Oncol 1990; **29:** 1029

use of small fraction numbers in high dose-rate gynaecological afterloading: some radiobiological considerations, Dale RG, Br J Radiol 1990; **63:** 290

Therapeutic radiology, intraoperative

bone necrosis and tumor induction following experimental intraoperative irradiation, Powers BE; Gillette EL; McChesney SL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 559

design of metallic electron beam cones for an intraoperative therapy linear accelerator, Hogstrom KR; Boyer AL; Shiu AS; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1223

dosimetry characteristics of metallic cones for intraoperative radiotherapy, Nyerick CE; Ochran TG; Boyer AL; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 501

high dose, external beam and intraoperative radiotherapy in the treatment of resectable and unresectable pancreatic cancer, Shibamoto Y; Manabe T; Baba N; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 605

intraoperative and external beam radiotherapy in advanced resectable gastric cancer: technical description and preliminary results, Calvo FA; Henriquez I; Santos M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 183

intraoperative electron beam radiation therapy (IOEBRT) for carcinoma of the exocrine pancreas, Dobelbower RR Jr; Konski AA; Merrick HW III; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 113

intraoperative radiation therapy combined with external irradiation in nonresectable non-small-cell lung cancer: preliminary report, Juettner FM; Arian-Schad K; Porsch G; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1143

intraoperative radiotherapy during lung cancer surgery: technical description and early clinical results, Calvo FA; Ortiz de Urbina D; Abuchaibe O; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 103

intraoperative radiotherapy in the multidisciplinary treatment of pediatric tumors: a preliminary report on initial results, Calvo FA; Sierrasesúmaga L; Martin I; et al, Acta Oncol 1989; **28:** 257

muscle injury following experimental intraoperative irradiation, Powers BE; Gillette EL; Gillette SLM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 463

non-contacting intraoperative electron cone apparatus, Jones D; Taylor E; Travaglini J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1643

non-docking intraoperative electron beam applicator system, Palta JR; Suntharalingam N, Int J Radiat Oncol Biol Phys 1989; **17:** 411

peripheral neuropathies following experimental intraoperative radiation therapy (IORT), LeCouteur RA; Gillette EL; Powers BE; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 583

prevalence and severity of late effects in normal rat duodenum following intraoperative irradiation, Poulakos L; Elwell JH; Osborne JW; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 841

response of aorta and branch arteries to experimental intraoperative irradiation, Gillette EL; Powers BE; McChesney SL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1247

selective internal radiation therapy: validation of intraoperative dosimetry, Burton MA; Gray BN; Kelleher DK; Klemp PF, Radiology 1990; **175:** 253

shielding considerations for an operating room based intraoperative electron radiotherapy unit, Mills MD; Almond PR; Boyer AL; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1215

threshold dose for peripheral neuropathy following intraoperative radiotherapy (IORT) in a large animal model, Kinsella TJ; DeLuca AM; Barnes M; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 697

treatment of cancer of the pancreas by intraoperative electron beam therapy: physical and biological aspects, Bagne FR; Dobelbower RR Jr; Milligan AJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 231

treatment of cancer of the pancreas by precision high dose (PHD) external photon beam and intraoperative electron beam therapy (IOEBT), Dobelbower RR Jr; Howard JM; Bagne FR; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 205

tumor induction following intraoperative radiotherapy: late results of the National Cancer Institute canine trials, Barnes M; Duray P; DeLuca A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 651

Therapeutic radiology, nutrition

effect of oral nutritional supplements on head and neck cancer, Arnold C; Richter MP, Int J Radiat Oncol Biol Phys 1989; **16:** 1595

Therapeutic radiology, photons

dose calculations for high energy electron and photon beams, Cunningham JR, Comput Med Imag Graph 1989; **13:** 241

effect of secondary electron spread on the penumbra in high energy photon beam therapy, Day MJ; Lambert GD; Locks SM, Br J Radiol 1990; **63:** 278

evaluation of high energy photon external beam treatment planning: project summary, Photon Treatment Planning Collaborative Working Group, Int J Radiat Oncol Biol Phys 1991; **21:** 3

improved portal film image quality in radiation therapy with high energy photons, Kihlén B; Cederlund T; Lagergren C; et al, Acta Oncol 1991; **30:** 369

mixed neutron/photon irradiation of unresectable squamous cell carcinomas of the head and neck: the final report of a randomized cooperative trial, Griffin TW; Pajak TF; Maor MH; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 959

monoenergetic approximation of a polyenergetic beam: a theoretical approach, Robinson DM; Scrimger JW, Br J Radiol 1991; **64:** 452

photon beam energy deposition kernels for inverse radiotherapy planning, Eklöf A; Ahnesjö A; Brahme A, Acta Oncol 1990; **29:** 447

photon irradiation of unresectable carcinomas of salivary glands, Wang CC; Goodman M, Int J Radiat Oncol Biol Phys 1991; **21:** 569

radiosurgery with high energy photon beams: a comparison among techniques, Podgorsak EB; Pike GB; Olivier A; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 857

simple dose calculation method for total body photon irradiation, Curran WJ Jr; Galvin JM; D'Angio GJ, Int J Radiat Oncol Biol Phys 1989; **17:** 219

state-of-the-art of external photon beam radiation treatment planning, Photon Treatment Planning Collaborative Working Group, Int J Radiat Oncol Biol Phys 1991; **21:** 9

three-dimensional photon dose distributions with and without lung corrections for tangential breast intact treatments, Chin LM; Cheng CW; Siddon RL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1327

three-dimensional photon radiotherapy planning for laryngeal and hypopharyngeal tumours, Esik O; Schlegel W; Doll J; et al, Acta Oncol 1990; **29:** 439

Therapeutic radiology, physics

calculation of complication probability factors for non-uniform normal tissue irradiation: the effective volume method, Kutcher GJ; Burman C, Int J Radiat Oncol Biol Phys 1989; **16:** 1623

considerations on recombination losses in ionization chambers using pulsed electron beams with beam scanning, Müller-Sievers K; Kober B, Int J Radiat Oncol Biol Phys 1989; **17:** 1323

equivalent total doses for different fractionation schemes, based on the linear quadratic model. Muller-Runkel R; Vijayakumar S, Radiology 1991; **179:** 573

mathematical models of repopulation and reoxygenation in radiotherapy, Scott OCA, Br J Radiol 1990; **63:** 821

oncology/radiation therapy: RSNA '89 meeting notes, Sagerman RH; Cox JD; Moss WT, Radiology 1990; **174:** 919

optimization of radiation therapy, IV: a dose-volume histogram reduction algorithm, Lyman JT; Wolbarst AB, Int J Radiat Oncol Biol Phys 1989; **17:** 433

patterns of change in the physics and technical support of radiation therapy in the USA 1975–1986, Chu JCH; Stafford PM; Diamond JJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 437

radiobiological assessment of permanent implants using tumour repopulation factors in the linear-quadratic model, Dale RG, Br J Radiol 1989; **62:** 241

Therapeutic radiology, postoperative

adjuvant post-operative radiotherapy in rectal cancer: results from the ANZ bowel cancer trial (protocol 8202), Mameghan H; Gray BN; de Zwart J; et al, Australas Radiol 1991; **35:** 61

advanced head and neck cancer: low-dose, split-course radiation therapy and simultaneous infusion of 5-fluorouracil and cisplatin, Stryker JA; Harvey HA; Houck JR; Manders EK; Bradfield JJ, Radiology 1990; **176:** 567

cerebral metastases: value of reirradiation in selected patients, Cooper JS; Steinfeld AD; Lerch IA, Radiology 1990; **174:** 883

childhood cerebellar astrocytomas: is there a role for postoperative irradiation?, Garcia DM; Marks JE; Latifi HR; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 815

effect of postoperative radiotherapy on changes in pulmonary function in patients with stage II and IIIA lung carcinoma, Choi NC; Kanarek DJ; Grillo HC, Int J Radiat Oncol Biol Phys 1990; **18:** 95

juvenile nasopharyngeal angiofibroma: efficacy of radiation therapy, Fields JN; Halverson KJ; Devineni VR; Simpson JR; Perez CA, Radiology 1990; **176:** 263

postoperative adjuvant therapy of rectal cancer: an analysis of disease control, survival, and prognostic factors, Schild SE; Martenson JA Jr; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 55

postoperative irradiation for the prevention of heterotopic bone: analysis of different dose schedules and shielding considerations, Blount LH; Thomas BJ; Tran L; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 577

postoperative radiation therapy for incompletely resected colorectal carcinoma, Allee PE; Tepper JE; Gunderson LL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1171

postoperative radiotherapy in the management of cancer of the maxillary sinus, Zaharia M; Salem LE; Travezan R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 967

postoperative radiotherapy in the treatment of extremity soft tissue sarcomas, Pao WJ; Pilepich MV, Int J Radiat Oncol Biol Phys 1990; **19:** 907

postoperative radiotherapy of primary spinal cord tumors, Linstadt D; Wara WM; Leibel SA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1397

postoperative radiotherapy of supratentorial low-grade gliomas, Shaw EG; Scheithauer BW; Gilbertson DT; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 663

postoperative whole abdomino-pelvic irradiation for patients with high risk endometrial cancer, Martinez A; Schray M; Podratz K; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 371

preoperative versus postoperative irradiation in the prophylaxis of heterotopic bone formation in rats, Kantorowitz DA; Miller GJ; Ferrara JA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1431

randomized study of preoperative versus postoperative radiation therapy in advanced head and neck carcinoma: long-term follow-up of RTOG study 73-03, Tupchong L; Scott CB; Blitzer PH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 21

recurrent pituitary adenomas after surgical resection: the role of radiation therapy, Kovalic JJ; Grigsby PW; Fineberg BB, Radiology 1990; **177:** 273

role of post-operative radiation in the prevention of heterotopic ossification in patients with post-traumatic acetabular fracture, Slawson RG; Poka A; Bathon H; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 669

use of postoperative irradiation for the prevention of heterotopic bone after total hip replacement with biologic fixation (porous coated) prosthesis: an animal model, Konski A; Weiss C; Rosier R; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 861

Therapeutic radiology, preoperative

contemporary cystectomy versus preoperative radiation plus cystectomy for bladder cancer, (ab), Kaplan SA; Sawczuk IS; O'Toole K; et al, Radiology 1989; **172:** 586

high dose preoperative irradiational for cancer of the rectum, 1976–1988, Mohiuddin M; Marks G, Int J Radiat Oncol Biol Phys 1991; **20:** 37

preoperative irradiation for soft tissue sarcomas of the trunk and extremities in adults, Brant TA; Parsons JT; Marcus RB Jr; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 899

preoperative radiation therapy in regionally localized stage III non-small cell lung carcinoma: long-term results and patterns of failure, Reddy S; Faber LP; Baumann LA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 287

preoperative versus postoperative irradiation in the prophylaxis of heterotopic bone formation in rats, Kantorowitz DA; Miller GJ; Ferrara JA; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1431

randomized clinical trial on the combination of preoperative irradiation and surgery in the treatment of esophageal carcinoma: report on 206 patients, Mei W; Xian-Zhi G; Weibo Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 325

randomized study of preoperative versus postoperative radiation therapy in advanced head and neck carcinoma: long-term follow-up of RTOG study 73-03, Tupchong L; Scott CB; Blitzer PH; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 21

role of preoperative radiotherapy for invasive thymoma, Ohara K; Okumura T; Sugahara S; et al, Acta Oncol 1990; **29:** 425

Therapeutic radiology, quality assurance

AAPM symposium on basic physics: quality assurance in external beam radiation therapy, Svensson GK, Radiographics 1989; **9:** 169

American 'patterns of care' study: a model for the assessment of the quality of patient care in radiation oncology, McKay MJ; Langlands AO, Australas Radiol 1990; **34:** 306

digital image processing of radiation therapy portal films, Cumberlin RL; Rodgers JE; Fahey FH, Comput Med Imag Graph 1989; **13:** 227

elapsed treatment days—a critical item for radiotherapy quality control review in head and neck trials: RTOG report, Pajak TF; Laramore GE; Marcial VA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 13

evaluation of a commercial diode monitor for mailed quality control of therapy units, DeWerd LA; Price J; Cameron JR; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1053

first clinical experience with a newly developed electronic portal imaging device, Meertens H; van Herk M; Bijhold J; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1173

impact of initial quality control review on study outcome in lung and head/neck cancer studies—review of the Radiation Therapy Oncology Group experience, Wallner PE; Lustig RA; Pajak TF; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 893

improvements in brachytherapy quality assurance, Slessinger E; Grigsby PW; Williams J, Int J Radiat Oncol Biol Phys 1989; **16:** 497

on-line portal imaging: computer-assisted error measurement, Lam W-C; Herman MG; Lam K-S; Lee D-J, Radiology 1991; **179:** 871

quality assurance in stereotactic radiosurgery using a standard linear accelerator, Tsai J-S; Buck BA; Svensson GK; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 737

quantitative assessment of quality of digitized portal images: receiver operating characteristic analysis applied to imaging in radiation therapy, Okajima K; Nakata M; Yano S; Nagata Y; Kimura I; Nakano Y; Abe M, Radiology 1991; **181:** 273

radiation qualities of x-ray beams in cooperative clinical trials, Tatcher M; Glicksman AS, Int J Radiat Oncol Biol Phys 1990; **18:** 441

reproducibility of field alignment in radiation therapy: a large-scale clinical experience, Kihlén B; Rudén B-I, Acta Oncol 1989; **28:** 689

stereotactic target point verification of an X ray and CT localizer, Serago CF; Lewin AA; Houdek PV; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 517

testing a 3-D radiation therapy planning program, Jacky J; White CP, Int J Radiat Oncol Biol Phys 1990; **18:** 253

uncertainties in dosimetric data and beam calibration, Andreo P, Int J Radiat Oncol Biol Phys 1990; **19:** 1233

use of light-dependent-resistor circuit to remotely reset digital constancy meter, Perec A; Kubo H, Int J Radiat Oncol Biol Phys 1990; **19:** 483

verification of electron beam therapy with storage phosphor images: precision of field placement, Weiser JC; Gur D; Cano ER; Deutsch M; Wu A; Mogus RM, Radiology 1990; **175:** 257

video techniques for on-line portal imaging, Shalev S; Lee T; Leszczynski K; et al, Comput Med Imag Graph 1989; **13:** 217

Therapeutic radiology, technology

adjustable field shaping for external-beam radiation therapy, Cotter GW, Radiology 1990; **174:** 892

advanced neuroblastoma: results of two treatment programs including sequential hemibody irradiation, Lombardi F; Rottoli L; Gianni C; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 485

algorithm for design of beam compensators, Renner WD; O'Connor TP; Bermudez NM, Int J Radiat Oncol Biol Phys 1989; **17:** 227

anterior appositional electron field technique with a hanging lens block inorbital radiotherapy: a dosimetric study, Borger F; Rosenberg I; Vijayakumar S; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 795

assessment of a radiotherapy beam analyser, Mills JA; Martin-Smith P, Br J Radiol 1991; **64:** 547

autoradiographic imaging of pion stopping distribution utilizing scanning laser stimulated luminescence, Shirato H; Gaffney CC; Goodman GB, Br J Radiol 1989; **62:** 285

biological basis for conformal three-dimensional radiation therapy, Leibel SA; Ling CC; Kutcher GJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 805

boost treatment of the prostate using shaped, fixed fields, Ten Haken RK; Perez-Tamayo C; Tesser RJ; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 193

clinical application of an electronic imaging device for assisting patient set-up in radiotherapy, Wade JP; Nicholas D, Br J Radiol 1991; **64:** 596

development of the technology of radiation therapy, Laughlin JS, Radiographics 1989; **9:** 1245

development of video frame store and distortion correction facilities for an external-beam radiotherapy treatment simulator, Morton EJ; Evans PM; Ferraro M; et al, Br J Radiol 1991; **64:** 747

digital fluoroscopic imaging device for radiotherapy localization, Munro P; Rawlinson JA; Fenster A, Int J Radiat Oncol Biol Phys 1990; **18:** 641

dosimetric evaluation of a variable energy superficial x-ray machine with applications for endocavitary radiotherapy techniques, Coffey CW; Morris R; Martin J; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 849

effectiveness in inhibition of recovery of cell survival by cisplatin and carboplatin: influence of treatment sequence, Schwachöfer JHM; Crooijmans RPMA; Hoogenhout J; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1235

evaluation of radiosurgery techniques with cumulative dose volume histograms in linac-based stereotactic external beam irradiation, Schell MC; Smith V; Larson DA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1325

experience with CHART, Saunders MI; Dische S; Grosch EJ; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 871

fractionated regimens for stereotactic radiotherapy of recurrent tumors in the brain, Brenner DJ; Martel MK; Hall EJ, Int J Radiat Oncol Biol Phys 1991; **21:** 819

fraction size in external beam radiation therapy in the treatment of melanoma, Sause WT; Cooper JS; Rush S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 429

gapping fields on sloping surfaces, Keys R; Grigsby PW, Int J Radiat Oncol Biol Phys 1990; **18:** 1183

how to draw irregular radiation beams in 3-D treatment plans, Jacky JP; Kalet IJ, Comput Med Imag Graph 1990; **14:** 97

implications of the uptake of ^{131}I-radiolabelled meta-iodobenzylguanidine (mIBG) for the targeted radiotherapy of neuroblastoma, O'Donoghue JA; Wheldon TE; Babich JW; et al, Br J Radiol 1991; **64:** 428

improved dose localization with dual energy photon irradiation in treatment of lateralized intracranial malignancies, Cooley G; Gillin MT; Murray KJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 815

innovative method for neuraxis radiotherapy using partial transmission block technique, Plowman PN; Doughty D, Br J Radiol 1991; **64:** 603

in vivo isocenter dose in two hip prosthesis patients, Burleson WD; Stutzman CD; Stitt JA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1347

isocentric chair for the simulation and treatment of radiation therapy patients, Miller RW; Raubitschek AA; Harrington FS; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 469

keynote address: integration of cytostatic agents and radiation therapy: a different approach to "proliferating" human tumors, Kinsella TJ; Gould MN; Mulcahy RT; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 295

low dose rate teletherapy using a telecaesium 137 unit radiobiological, physical and clinical considerations, Cooper SG; Cardew AP; Ferguson S; et al, Australas Radiol 1990; **34:** 241

low-grade astrocytomas: treatment with unconventionally fractionated external beam stereotactic radiation therapy, Pozza F; Colombo F; Chierego G; Avanzo RC; Marchetti C; Benedetti A; Casentini L; Danieli D, Radiology 1989; **171:** 565

mean inactivation dose (D): a critical analysis of a neglected parameter in radiotherapy, Vijayakumar S; Ng TC; Raudkivi U; et al, Acta Oncol 1990; **29:** 65

method to analyze 2-dimensional daily radiotherapy portal images from an on-line fiber-optic imaging system, Graham ML; Cheng AY; Geer LY; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 613

modified synchronous shielding technique in rotation therapy, Casebow MP, Br J Radiol 1990; **63:** 482

neon ion radiotherapy: results of the phase I/II clinical trial, Linstadt DE; Castro JR; Phillips TL, Int J Radiat Oncol Biol Phys 1991; **20:** 761

new calculational method to assess the therapeutic potential of Auger electron emission, Humm JL; Charlton DE, Int J Radiat Oncol Biol Phys 1989; **17:** 351

new system for port films, Sephton R; Green M; Fitzpatrick C, Int J Radiat Oncol Biol Phys 1989; **16:** 251

on-line radiotherapy imaging with an array of fiber-optic image reducers, Wong JW; Binns WR; Cheng AY; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1477

optimization of radical radiotherapy with beam's eye view techniques for non-small cell lung cancer, Vijayakumar S; Myrianthopoulos LC; Rosenberg I; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 779

performance of a prototype fluoroscopic radiotherapy imaging system, Visser AG; Huizenga H; Althof VGM; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 43

phase I/II study, combination of radiotherapy and hyperthermia in patients with deep-seated malignant tumors: report of a pilot study by the radiation therapy oncology group, Emami B; Myerson RJ; Scott C; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 73

physics of gamma knife approach on convergent beams in stereotactic radiosurgery, Wu A; Lindner G; Maitz AH; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 941

port film marker, Jones D; Armstrong J; Hafermann MD, Int J Radiat Oncol Biol Phys 1989; **17:** 225

precision of determining compliance with prescribed fields from conventional portal films, Dunscombe PB; Fox K, Br J Radiol 1989; **62:** 48

prediction of Saturne II+ 10 MV and 23 MV photon beam output factors, Szymczyk W; Gorączko A; Lesiak J, Int J Radiat Oncol Biol Phys 1991; **21:** 789

quality of high-energy x-ray beams, LaRiviere PD, Br J Radiol 1989; **62:** 473

radiation dose perturbation in the presence of permanent vascular-access injection ports, Bagne FR; Merrick HW III; Samsami N; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 463

radiation therapy technology: manpower survey 1987, Browning D; Sagerman RH, Int J Radiat Oncol Biol Phys 1989; **16:** 519

radiosurgery with high energy photon beams: a comparison among techniques, Podgorsak EB; Pike GB; Olivier A; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 857

radiotherapy of Morbus Gorham-Stout: the biological value of low irradiation dose, Handl-Zeller L; Hohenberg G, Br J Radiol 1990; **63:** 206

radiotherapy simulators and independent field wire movement, Robertson G, Br J Radiol 1989; **62:** 366

rapidly alternating radiotherapy and high dose cisplatin chemotherapy in stage IIIB non-small cell lung cancer: results of a phase I/II study, Gandara DR; Valone FH; Perez EA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1047

relocatable frame for stereotactic external beam radiotherapy, Gill SS; Thomas DGT; Warrington AP; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 599

reproducibility of mantle irradiation with daily imaging films, Taylor BW Jr; Mendenhall NP; Million RR, Int J Radiat Oncol Biol Phys 1990; **19:** 149

selection of techniques for orthovoltage radiation therapy, McCullough EC, Int J Radiat Oncol Biol Phys 1990; **18:** 1237

silicone implant to prevent visceral damage during adjuvant radiotherapy for retroperitoneal sarcoma, Ball ABS; Cassoni A; Watkins RM; et al, Br J Radiol 1990; **63:** 346

simple technique for intraluminal irradiation in oesophageal tumours using the high-dose-rate Microselectron, Burt PA; Notley HM; Stout R, Br J Radiol 1989; **62:** 748

stereotactic multiple arc radiotherapy, Thomson ES; Gill SS; Doughty D, Br J Radiol 1990; **63:** 745

technique for breast irradiation using custom blocks conforming to the chest wall contour, Hartsell WF; Murthy AK; Kiel KD; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 189

technique, pharmacokinetics, toxicity, and efficacy of intratumoral etanidazole and radiotherapy for treatment of spontaneous feline oral squamous cell carcinoma, Evans SM; LaCreta F; Helfand S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 703

temperature mapping with MR imaging of molecular diffusion: application to hyperthermia, Le Bihan D; Delannoy J; Levin RL, Radiology 1989; **171:** 853

three-dimensional display techniques in radiation therapy treatment planning, Rosenman J; Sherouse GW; Fuchs H; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 263

three dimensional radiation therapy planning using light projection of CT scans, Ludgate CM, Clin Radiol 1989; **40:** 426

tissue standard ratios for irregularly shaped radiotherapy fields, Hounsell AR; Wilkinson JM, Br J Radiol 1990; **63:** 629

treatment volume shaping with selective beam blocking using the Leksell gamma unit, Flickinger JC; Maitz A; Kalend A; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 783

verification of electron beam therapy with conventional and storage phosphor images: preliminary experience, Gur D; Weiser JC; Deutsch M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1337

Therapeutic radiology, treatment planning

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Thigh

pediatric case of the day, Preston AA; Griscom NT, Radiographics 1991; **11:** 501

Thigh, CT

general case of the day, Vilar JS; Martí-Bonmati L; Poyatos CR; Ferrer R, Radiographics 1991; **11:** 333

pediatric case of the day, Hanna SL; Magill HL; Brooks MT; Burton EM; Boulden TF; Seidel FG, Radiographics 1990; **10:** 945

Thigh, MR

general case of the day, Vilar JS; Martí-Bonmati L; Poyatos CR; Ferrer R, Radiographics 1991; **11:** 333

method for measuring three-dimensional motion with tagged MR imaging, Pipe JG; Boes JL; Chenevert TL, Radiology 1991; **181:** 591

Thigh, neoplasms

deep soft tissue mass of the thigh, Traughber PD; Murray WT; Johnson FG, Invest Radiol 1991; **26:** 92

general case of the day, Vilar JS; Martí-Bonmati L; Poyatos CR; Ferrer R, Radiographics 1991; **11:** 333

Thigh, US

general case of the day, Vilar JS; Martí-Bonmati L; Poyatos CR; Ferrer R, Radiographics 1991; **11:** 333

US location of the adductor canal hiatus: morphologic study, Scholten FG; Mali WPTM; Hillen B; van Leeuwen MS, Radiology 1989; **172:** 75

Thoracic duct

scintigraphic demonstration of the thoracic duct following oral ingestion of ^{123}I-heptadecanoic acid, Hvid-Jacobsen K; Thomsen HS; Nielsen SL; et al, Gastrointest Radiol 1989; **14:** 212

Thoracocentesis

enteric cyst as a cause of nonimmune hydrops fetalis: fetal thoracentesis with fluid analysis, Franzek DA; Strayer SA; Hull MT; et al, JCU 1989; **17:** 275

factors affecting the development of pneumothorax associated with thoracentesis, Raptopoulos V; Davis LM; Lee G; et al, AJR 1991; **156:** 917

fetal thoracentesis with unsuccessful outcome, Landy HJ; Daly V; Heyi PS; et al, JCU 1990; **18:** 50

prenatal treatment of type I congenital cystic adenomatoid malformation by intrauterine fetal thoracentesis, Nugent CE; Hayashi RH; Rubin J, JCU 1989; **17:** 675

Thorax

See also Bronchi; Heart; Lung; Mediastinum; Ribs; etc.

pleural block: technique for regional anesthesia during percutaneous hepatobiliary drainage, Rosenblatt M; Robalino J; Bergman A; Shevde K, Radiology 1989; **172:** 279

Thorax, abnormalities

apparent association between thymic cysts and prior thoracotomy, Jaramillo D; Perez-Atayde A; Griscom NT, Radiology 1989; **172:** 207

evolving management of pectus excavatum based on a single institutional experience of 664 patients, (ab), Haller JA Jr; Scherer LR; Turner CS; et al, Radiology 1989; **173:** 888

mammographic depiction of Poland's syndrome, Cooper RA; Johnson MS, Br J Radiol 1990; **63:** 302

pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax, Hernanz-Schulman M; Stein SM; Neblett WW; Atkinson JB; Kirchner SG; Heller RM; Merrill WH; Fleischer AC, Radiology 1991; **180:** 817

radiographic manifestations of anomalies of the chest wall, Swischuk LE; Stansberry SD, Radiol Clin North Am 1991; **29:** 271

retrotracheal triangle, Raider L; Landry BA; Brogdon BG, Radiographics 1990; **10:** 1055

Thorax, anatomy

CT evaluation of congenital and acquired abnormalities of the azygos system, Dudiak CM; Olson MC; Posniak HV, Radiographics 1991; **11:** 233

inferior hilar window, Park C-K; Webb WR; Klein JS, Radiology 1991; **178:** 163

retrotracheal triangle, Raider L; Landry BA; Brogdon BG, Radiographics 1990; **10:** 1055

right phrenic nerve: anatomy, CT appearance, and differentiation from the pulmonary ligament, Berkmen YM; Davis SD; Kazam E; Auh YH; Yankelevitz D; Girgis FG, Radiology 1989; **173:** 43

Thorax, biopsy

CT-guided biopsy: prospective analysis of 1,000 procedures, Welch TJ; Sheedy PF II; Johnson CD; Johnson CM; Stephens DH, Radiology 1989; **171:** 493

fine needle aspiration in the chest under CT control, Knox AM; Fon GT; Orell S, Australas Radiol 1991; **35:** 152

nonpulmonary thoracic biopsy, Garbagnati F; Lutman R; Valvassori L; et al, Eur J Radiol 1989; **9:** 214

percutaneous biopsy of thoracic lesions in children, Hoffer FA; Kozakewich H; Shamberger RC, Cardiovasc Intervent Radiol 1990; **13:** 32

percutaneous biopsy of thoracic lesions: value of sonography for needle guidance, Ikezoe J; Morimoti S; Arisawa J; et al, AJR 1990; **154:** 1181

percutaneous transthoracic needle aspiration: a review, Perlmutt LM; Johnston WW; Dunnick NR, AJR 1989; **152:** 451

powered cutting needle biopsy of the pleura and chest wall, Gleeson F; Lomas DJ; Flower CDR; et al, Clin Radiol 1990; **41:** 199

role of percutaneous fine-needle aspiration biopsy in suspected intrathoracic malignancy, (ab), Colquhoun SD; Rosenthal DL; Morton DL, Radiology 1991; **181:** 611

Thorax, CT

apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727

apparent association between thymic cysts and prior thoracotomy, Jaramillo D; Perez-Atayde A; Griscom NT, Radiology 1989; **172:** 207

chest injury in children with blunt abdominal trauma: evaluation with CT, Sivit CJ; Taylor GA; Eichelberger MR, Radiology 1989; **171:** 815

chest wall mesenchymoma (hamartoma) in infancy: CT and MR findings, Schlesinger AE; Smith MB; Genez BM; et al, Pediatr Radiol 1989; **19:** 212

complications of radiation therapy: CT evaluation, Bluemke DA; Fishman EK; Kuhlman JE; Zinreich ES, Radiographics 1991; **11:** 581

computed tomographic scanning of the thorax in workers at risk of or with silicosis, Bégin R; Ostiguy G; Groleau S; et al, Semin US CT MR 1990; **11:** 380

computed tomography distinction of central thoracic masses, Woodring JH; Johnson PJ, J Thorac Imag 1991; **6-2:** 32

computed tomography in the etiologic assessment of idiopathic spontaneous pneumothorax, (ab), Lesur O; Delorme N; Fromaget JM; et al, Radiologv 1991; **178:** 587

computed tomography of chest wall masses, Jafri SZH; Roberts JL; Bree RL; Tabor HD, Radiographics 1989; **9:** 51

computed tomography of the chest in the trauma patient, Brooks AP; Olson LK, Clin Radiol 1989; **40:** 127

costal pleura: appearances at high-resolution CT, Im J-G; Webb WR; Rosen A; Gamsu G, Radiology 1989; **171:** 125

cross-sectional imaging of the chest wall, Wechsler RJ; Steiner RM, J Thorac Imag 1989; **4-1:** 29

CT evaluation of congenital and acquired abnormalities of the azygos system, Dudiak CM; Olson MC; Posniak HV, Radiographics 1991; **11:** 233

CT of blunt chest trauma, Kerns SR; Gay SB, AJR 1990; **154:** 55

CT of lymphoma: spectrum of disease, Fishman EK; Kuhlman JE; Jones RJ, Radiographics 1991; **11:** 647

CT of malignant melanoma in the chest, abdomen, and musculoskeletal system, Fishman EK; Kuhlman JE; Schuchter LM; Miller JA III; Magid D, Radiographics 1990; **10:** 603

esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

extrapleural fat sign: CT characteristics, Hammerman AM; Susman N; Strzembosz A; et al, JCAT 1990; **14:** 345

Hickman nodule: a mimic of metastatic disease, Fernandez GG; Coblentz CL; Cooper C; Sallee DS, Radiology 1989; **171:** 401

high-spatial-frequency (bone) algorithm improves quality of standard CT of the thorax, Zwirewich CV; Terriff B; Müller NL, AJR 1989; **153:** 1169

inferior hilar window, Park C-K; Webb WR; Klein JS, Radiology 1991; **178:** 163

intrathoracic fat: a new CT feature of intrathoracic rib. case report, Hawass N-E-D; Bahakim H; Al-Boukai AA, Clin Imag 1991; **15:** 31

magnetic resonance imaging of thoracic hydatid disease: correlation with clinical findings, radiography, ultrasonography, CT and pathology, von Sinner WN; Rifai A; te Strake L; et al, Acta Radiol 1990; **31:** 59

parietal pleural changes in empyema: appearances at CT, Waite RJ; Carbonneau RJ; Balikian JP; Umali CB; Pezzella AT; Nash G, Radiology 1990; **175:** 145

primary intrathoracic extraosseous osteogenic sarcoma: report of three cases, Stark P; Smith DC; Watkins GE; Chun KE, Radiology 1990; **174:** 725

right phrenic nerve: anatomy, CT appearance, and differentiation from the pulmonary ligament, Berkmen YM; Davis SD; Kazam E; Auh YH; Yankelevitz D; Girgis FG, Radiology 1989; **173:** 43

safe use of an intravenous power injector for CT: experience and protocol, Miles SG; Rasmussen JF; Litwiller T; Osik A, Radiology 1990; **176:** 69

T1N0M0 lung cancer: evaluation with CT, Conces DJ Jr; Klink JF; Tarver RD; Moak GD, Radiology 1989; **170:** 643

thoracic radiology. RSNA '88 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Miller WT; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1989; **170:** 607

thoracic radiology. RSNA '89 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1990; **174:** 596

thoracic radiology: RSNA '90 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Schaefer C; Spirn PW; Stark P, Radiology 1991; **178:** 916

three-dimensional imaging of the thoracic cavity, Stern RL; Cline HE; Johnson GA; et al, Invest Radiol 1989; **24:** 282

Thorax, cysts

enteric cyst as a cause of nonimmune hydrops fetalis: fetal thoracentesis with fluid analysis, Franzek DA; Strayer SA; Hull MT; et al, JCU 1989; **17:** 275

Thorax, diseases

apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727

computed tomographic spectrum of thoracic sarcoidosis, Kuhlman JE; Fishman EK; Hamper UM; Knowles MC; Siegelman SS, Radiographics 1989; **9:** 449

magnetic resonance imaging of thoracic hydatid disease: correlation with clinical findings, radiography, ultrasonography, CT and pathology, von Sinner WN; Rifai A; te Strake L; et al, Acta Radiol 1990; **31:** 59

new diagnostic signs in hydatid disease: radiography, ultrasound, CT and MRI correlated to pathology, von Sinner WN, Eur J Radiol 1991; **12:** 150

Thorax, hemorrhage

CT diagnosis of right hemothorax secondary to ruptured thoracoabdominal aneurysm: case report, Miller SF; Shah HR; Pritchard RS; et al, Cardiovasc Intervent Radiol 1989; **12:** 326

Thorax, injuries

apparent association between thymic cysts and prior thoracotomy, Jaramillo D; Perez-Atayde A; Griscom NT, Radiology 1989; **172:** 207

computed tomography of the chest in the trauma patient, Brooks AP; Olson LK, Clin Radiol 1989; **40:** 127

costal hook: an indicator of occult flail segment in chest trauma, Jackson A; Fields JM; Wong-You-Chong JJ, Eur J Radiol 1991; **13:** 69

CT diagnosis of acute pericardial tamponade after blunt chest trauma, Goldstein L; Mirvis SE; Kostrubiak IS; et al, AJR 1989; **152:** 739

CT of blunt chest trauma, Kerns SR; Gay SB, AJR 1990; **154:** 55

detection of subarachnoid pleural fistula, Rabassa AE; Nusynowitz ML, Neuroradiol 1991; **33:** 83

diagnostic imaging of pelvic and chest wall trauma, Heare MM; Heare TC; Gillespy T III, Radiol Clin North Am 1989; **27:** 873

intraspinal air: an unusual manifestation of blunt chest trauma, Scialdone CJ; Wagle W, Clin Imag 1990; **14:** 59

oblique projections in aortography following blunt thoracic trauma, Parker LA Jr; Delany DJ; Friday JM, J Canad Assoc Radiol 1989; **40:** 172

proposed new mechanism of traumatic aortic rupture: the osseous pinch, Crass JR; Cohen AM; Motta AO; Tomashefski JF Jr; Wiesen EJ, Radiology 1990; **176:** 645

prospective study of the yield of physical examination compared with chest radiography in penetrating thoracic trauma, (ab), Thomson SR; Huizinga WKJ; Hirshberg A, Radiology 1991; **179:** 293

radiology of thoracic trauma, Stark P, Invest Radiol 1990; **25:** 1265

recurrent thoracic outlet syndrome, (ab), Sanders RJ; Haug CE; Pearce WH, JVIR 1991; **2:** 409

rupture of thoracic aorta caused by blunt trauma: a 15-year experience, (ab), Cowley RA; Turney SZ; Hankins JR; et al, JVIR 1991; **2:** 292

sonographic diagnosis of blunt trauma causing delayed hemopericardium and cardiac tamponade, Indrani S; Raji V; Kalyani N; et al, J Ultrasound Med 1991; **10:** 291

tracheal and main bronchial disruptions after blunt chest trauma: presentation and management, (ab), Baumgartner F; Sheppard B; de Virgilio C; et al, Radiology 1991; **179:** 885

tracheobronchial rupture due to blunt chest trauma: a follow-up study, (ab), Taskinen SO; Salo JA; Halttunen EA; et al, Radiology 1990; **176:** 588

value of SPECT-thallium scanning in screening for myocardial contusion, McCarthy MC; Pavlina PM; Evans DK; et al, Cardiovasc Intervent Radiol 1991; **14:** 238

ventricular aneurysm due to blunt chest injury, (ab), Grieco JG; Montoya A; Sullivan HJ; et al, Radiology 1989; **173:** 292

Thorax, interventional procedure

radiologically guided drainage of thoracic fluid collections, (ab), vanSonnenberg E, Radiology 1991; **178:** 897

Thorax, MR

chest wall mesenchymoma (hamartoma) in infancy: CT and MR findings, Schlesinger AE; Smith MB; Genez BM; et al, Pediatr Radiol 1989; **19:** 212

clinical applications of MR angiography in intrathoracic masses, Kauczor H-U; Layer G; Schad LR; et al, JCAT 1991; **15:** 409

comparison of STIR and spin-echo MR imaging at 1.5 T in 90 lesions of the chest, liver, and pelvis, Shuman WP; Baron RL; Peters MJ; et al, AJR 1989; **152:** 853

cross-sectional imaging of the chest wall, Wechsler RJ; Steiner RM, J Thorac Imag 1989; **4-1:** 29

high signal intensity lesions of the chest in MR imaging, Barakos JA; Brown JJ; Brescia RJ; et al, JCAT 1989; **13:** 797

magnetic resonance imaging of the chest in infectious mononucleosis, Goddard P; Kinsella D; Duncan AW; et al, Br J Radiol 1990; **63:** 138

magnetic resonance imaging of the thorax, Swensen SJ; Ehman RL; Brown LR, J Thorac Imag 1989; **4-2:** 19

magnetic resonance imaging of the thorax: techniques, current applications, and future directions, Spritzer CE; Gamsu G; Sostman HD, J Thorac Imag 1989; **4-2:** 1

magnetic resonance imaging of thoracic vascular disease, White RD; Higgins CB, J Thorac Imag 1989; **4-2:** 34

MR evaluation of chest wall involvement in malignant lymphoma, Bergin CJ; Healy MV; Zincone GE; et al, JCAT 1990; **14:** 928

MR imaging in the management of thoracic malignancies, Templeton PA; Zerhouni EA, Radiol Clin North Am 1989; **27:** 1099

MR imaging of thoracic and abdominal wall infections: comparison with other imaging procedures, Sharif HS; Clark DC; Aabed MY; et al, AJR 1990; **154:** 989

pediatric thoracic applications of magnetic resonance imaging, Bisset GS III, J Thorac Imag 1989; **4-2:** 51

thoracic aortic dissection: pitfalls and artifacts in MR imaging, Solomon SL; Brown JJ; Glazer HS; Mirowitz SA; Lee JKT, Radiology 1990; **177:** 223

thoracic radiology. RSNA '88 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Miller WT; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1989; **170:** 607

thoracic radiology. RSNA '89 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Sagel SS; Schaefer C; Stark P, Radiology 1990; **174:** 596

thoracic radiology: RSNA '90 meeting notes, Greene R; Anderson DJ; Gefter WB; Levitt RG; McLoud T; Oestmann JW; Schaefer C; Spirn PW; Stark P, Radiology 1991; **178:** 916

Thorax, neoplasms

clinical applications of MR angiography in intrathoracic masses, Kauczor H-U; Layer G; Schad LR; et al, JCAT 1991; **15:** 409

comparison of STIR and spin-echo MR imaging at 1.5 T in 90 lesions of the chest, liver, and pelvis, Shuman WP; Baron RL; Peters MJ; et al, AJR 1989; **152:** 853

computed tomography distinction of central thoracic masses, Woodring JH; Johnson PJ, J Thorac Imag 1991; **6-2:** 32

computed tomography of chest wall masses, Jafri SZH; Roberts JL; Bree RL; Tabor HD, Radiographics 1989; **9:** 51

CT of malignant melanoma in the chest, abdomen, and musculoskeletal system, Fishman EK; Kuhlman JE; Schuchter LM; Miller JA III; Magid D, Radiographics 1990; **10:** 603

direct coronal CT scanning of tracheo-bronchial, pulmonary and thoraco-abdominal lesions in children, Bar-Ziv J; Solomon A, Pediatr Radiol 1990; **20:** 245

Hickman nodule: a mimic of metastatic disease, Fernandez GG; Coblentz CL; Cooper C; Sallee DS, Radiology 1989; **171:** 401

imaging of intra- and extraabdominal desmoid tumors, Casillas J; Sais GJ; Greve JL; Iparraguirre MC; Morillo G, Radiographics 1991; **11:** 959

inferior hilar window, Park C-K; Webb WR; Klein JS, Radiology 1991; **178:** 163

malignancy associated with chronic empyema: radiologic assessment, Minami M; Kawauchi N; Yoshikawa K; Itai Y; Kokubo T; Iguchi M; Masuyama S; Takeuchi K; Iio M, Radiology 1991; **178:** 417

massive lymphoma of the mediastinum, chest wall, and axilla, Stewart CA; Glaser AM; Terasaki K, Clin Nucl Med 1989; **14:** 210

mesenchymal hamartoma of the chest wall in infancy, Gwyther SJ; Hall CM, Clin Radiol 1991; **43:** 24

migratory chest mass, Soulen MC; Greco-Hunt VT; Templeton P, Invest Radiol 1990; **25:** 209

MR evaluation of chest wall involvement in malignant lymphoma, Bergin CJ; Healy MV; Zincone GE; et al, JCAT 1990; **14:** 928

MR imaging in the management of thoracic malignancies, Templeton PA; Zerhouni EA, Radiol Clin North Am 1989; **27:** 1099

pediatric case of the day, Seidel FG; Magill HL; Burton EM; Boulden TF; Brooks MT; Hanna SL, Radiographics 1990; **10:** 728

percutaneous biopsy of thoracic lesions in children, Hoffer FA; Kozakewich H; Shamberger RC, Cardiovasc Intervent Radiol 1990; **13:** 32

primary intrathoracic extraosseous osteogenic sarcoma: report of three cases, Stark P; Smith DC; Watkins GE; Chun KE, Radiology 1990; **174:** 725

radiology of Askin tumours, Saifuddin A; Robertson RJH; Smith SEW, Clin Radiol 1991; **43:** 19

retrotracheal triangle, Raider L; Landry BA; Brogdon BG, Radiographics 1990; **10:** 1055

role of percutaneous fine-needle aspiration biopsy in suspected intrathoracic malignancy, (ab), Colquhoun SD; Rosenthal DL; Morton DL, Radiology 1991; **181:** 611

thoracic lymphoma, North LB; Libshitz HI; Lorigan JG, Radiol Clin North Am 1990; **28:** 745

treated thorax, Jochelson MS, Radiol Clin North Am 1990; **28:** 763

treatment of sarcomas of the chest wall using intensive combined modality therapy, Young MM; Kinsella TJ; Miser JS; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 49

varied appearance of AIDS-related lymphoma in the chest, Sider L; Weiss AJ; Smith MD; VonRoenn JH; Glassroth J, Radiology 1989; **171:** 629

Thorax, radiography

accuracy of digital radiography using stimulable phosphor for diagnosis of pneumothorax, Kehler M; Albrechtsson U; Andrésdóttir A; et al, Acta Radiol 1990; **31:** 47

assessment and comparison of chest radiography techniques in the United States and Sweden, Leitz WK; Hedberg-Vikström BRK; Conway BJ; et al, Br J Radiol 1990; **63:** 33

assessment of digital chest radiography using stimulable phosphor, Kehler M; Albrechtsson U; Andersson B; et al, Acta Radiol 1989; **30:** 581

chest radiographs after permanent pacing. are they really necessary?, Grier D; Cook PG; Hartnell GG, Clin Radiol 1990; **42:** 244

chest radiographs in the evaluation of the febrile infant, Patterson RJ; Bisset GS III; Kirks DR; et al, AJR 1990; **155:** 833

chest radiography: comparison of high-resolution digital displays with conventional and digital film, Cox GG; Cook LT; McMillan JH; Rosenthal SJ; Dwyer SJ III, Radiology 1990; **176:** 771

chest radiography in the intensive care unit: indications for radiography and effects of selective archiving of films, Geijer M; Jensen C; Schlossman D, Acta Radiol 1990; **31:** 321

comparison of dual-energy and conventional chest radiography for nodule detection, Ho J-T; Kruger RA, Invest Radiol 1989; **24:** 861

comparison of scanning equalization and conventional chest radiography, Wandtke JC; Plewes DB, Radiology 1989; **172:** 641

computer-aided diagnosis in chest radiology, MacMahon H; Doi K; Chan H-P; et al, J Thorac Imag 1990; **5-1:** 67

current status of digital projectional radiography of the chest, Aberle DR; Hansell DM; Huang HK, J Thorac Imag 1990; **5-1:** 10

design and testing of artifact-suppressed adaptive histogram equalization: a contrast-enhancement technique for display of digital chest radiographs, Rehm K; Seeley GW; Dallas WJ; et al, J Thorac Imag 1990; **5-1:** 85

digital chest radiography with a large image intensifier: an ROC study with an anthropomorphic phantom, Månsson L-G; Kheddache S; Börjesson J; et al, Eur J Radiol 1989; **9:** 208

digital imaging of the chest, Fraser RG; Sanders C; Barnes GT; MacMahon H; Giger ML; Doi K; Templeton AW; Cox GG; Dwyer SJ III; Merritt CRB; Jones JP, Radiology 1989; **171:** 297

digital imaging of the chest, DeForest SE, Radiology 1990; **174:** 575

digital imaging of the chest: reply, Fraser RG; Barnes GT; MacMahon H, Radiology 1990; **174:** 576

digital imaging of the newborn chest, Cohen MD; Long B; Cory DA; et al, Clin Radiol 1989; **40:** 365

digital imaging with a photostimulable phosphor in the chest of newborns, Cohen MD; Katz BP; Kalasinski LA; White SJ; Smith JA; Long B, Radiology 1991; **181:** 829

do chest radiographic findings reflect the clinical course of patients with sarcoidosis during corticosteroid withdrawal?, Baumann MH; Strange C; Sahn SA, AJR 1990; **154:** 481

dynamic probabilistic model for determination of optimal timing of surveillance chest radiography in pediatric Hodgkin disease, Chang PJ; Parker BR; Donaldson SS; Thompson EI, Radiology 1989; **173:** 71

enhancement and compression of digital chest radiographs, Cohn M; Trefler M; Young TY, J Thorac Imag 1990; **5-1:** 92

evaluation of cardiopulmonary devices on chest radiographs: digital vs analog radiographs, Thompson MJ; Kubicka RA; Smith C, AJR 1989; **153:** 1165

evaluation of heart size and pulmonary vasculature: conventional chest roentgenography and image intensifier photofluorography compared, Manninen H; Remes J; Partanen K; et al, Acta Radiol 1991; **32:** 226

high-resolution digital imaging with storage phosphors, Fuhrman CR; Gur D; Schaetzing R, J Thorac Imag 1990; **5-1:** 21

imaging insights: the normal apical opacity, (ab), Proto AV, Radiology 1990; **174:** 898

impact of routine chest radiography on the management of patients admitted from an emergency service, White CS; Austin JHM; Lubetsky HW; et al, Invest Radiol 1990; **25:** 720

improved control of image optical density with low-dose digital and conventional radiography in bedside imaging, Schaefer CM; Greene RE; Oestmann JW; Kamalsky JM; Hall DA; Llewellyn HJ; Robertson CL; Rhea JT; Rosenthal H; Rubens JR; Shepard JO; Templeton PA, Radiology 1989; **173:** 713

influence of the lordotic projection on the interpretation of the chest radiograph, Hollman AS; Adams FG, Clin Radiol 1989; **40:** 360

multiple-beam equalization radiography in chest radiology: image quality and radiation dose considerations, Axelsson B; Forsberg H; Hansson B; et al, Acta Radiol 1991; **32:** 12

newer imaging methods in chest radiography, Wandtke JC, J Thorac Imag 1990; **5-1:** 1

pediatric digital chest imaging, Tarver RD; Cohen M; Broderick NJ; et al, J Thorac Imag 1990; **5-1:** 31

post-cardiac surgery chest radiograph: a clinically integrated approach, Henry DA; Jolles H; Berberich JJ; et al, J Thorac Imag 1989; **4-3:** 20

primary intrathoracic extraosseous osteogenic sarcoma: report of three cases, Stark P; Smith DC; Watkins GE; Chun KE, Radiology 1990; **174:** 725

radiography transculcitam: technique and devices to simplify bedside radiography, Möller A, Radiology 1991; **179:** 283

radiology of thoracic trauma, Stark P, Invest Radiol 1990; **25:** 1265

routine chest radiographs in pediatric intensive care: a prospective study, (ab), Hauser GJ; Pollack MM; Sivit CJ; et al, Radiology 1990; **174:** 591

scatter compensation in digital chest radiography using Fourier deconvolution, Floyd CE; Beatty PT; Ravin CE, Invest Radiol 1989; **24:** 30

scatter fractions in AMBER imaging, Chotas HG; Floyd CE Jr; Dobbins JT III; Lo JY; Ravin CE, Radiology 1990; **177:** 879

small object contrast in AMBER and conventional chest radiography, Chotas HG; Van Metter RL; Johnson GA; Ravin CE, Radiology 1991; **180:** 853

variable compensation technique for digital radiography of the chest, Dobbins JT III; Powell AO, Radiology 1989; **173:** 451

Thorax, radionuclide studies

thoracic bone imaging after the Heimlich maneuver, Lette J; Levasseur A; Labonté C, Clin Nucl Med 1990; **15:** 512

Thorax, surgery

apparatus seen on chest radiographs after cardiac surgery in adults, Landay MJ; Mootz AR; Estrera AS, Radiology 1990; **174:** 477

apparent association between thymic cysts and prior thoracotomy, Jaramillo D; Perez-Atayde A; Griscom NT, Radiology 1989; **172:** 207

Thorax, therapeutic radiology

treatment of sarcomas of the chest wall using intensive combined modality therapy, Young MM; Kinsella TJ; Miser JS; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 49

Thorax, US

chest sonography: differentiation of pulmonary consolidation from pleural disease, Acunas B; Celik L; Acunas A, Acta Radiol 1989; **30:** 273

extracardiac chest ultrasonography in infants and children: radiographic and clinical implications, (ab), Glasier CM; Leithiser RE Jr; Williamson SL; et al, Radiology 1990; **174:** 296

lung abscesses: US examination and US-guided transthoracic aspiration, Yang P-C; Luh K-T; Lee Y-C; Chang D-B; Yu C-J; Wu H-D; Lee L-N; Kuo S-H, Radiology 1991; **180:** 171

parasternal sonography of the internal mammary vessels: technique, normal anatomy, and lymphadenopathy, Scatarige JC; Hamper UM; Sheth S; Allen HA III, Radiology 1989; **172:** 453

Thorium oxide

sequential loss of splenic and then hepatic function in a patient with Thorotrast loading, Antar MA; Kassamali H; Spencer RP, Clin Nucl Med 1989; **14:** 634

Thrombectomy

acute lower-limb ischemia: failure of anticoagulant treatment to improve 1-month results of arterial thromboembolectomy. a prospective randomized multicenter study, (ab), Jivegård L; Holm J; Bergqvist D; et al, JVIR 1991; **2:** 413

angioscopy for intraoperative management of thromboembolectomy. (ab), Segalowitz J; Grundfest WS; Treiman RL; et al, JVIR 1991; **2:** 288

angioscopy for intraoperative management of thromboembolectomy, (ab), Segalowitz J; Grundfest WS; Treiman RL; et al, Radiology 1991; **179:** 886

aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, Saxon RR; LaBerge JM; Ring EJ, JVIR 1991; **2:** 353

invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, Williams GM, JVIR 1991; **2:** 356

invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, van Breda A, JVIR 1991; **2:** 357

invited commentary: aspiration thromboembolectomy of an acute renal artery occlusion with the Hieshima coaxial catheter, Castaneda-Zuniga WR, JVIR 1991; **2:** 357

minibasket for percutaneous embolectomy and filter protection against distal embolization: technical note, Günther RW; Vorwerk D, Cardiovasc Intervent Radiol 1991; **14:** 195

thrombectomy with the transluminal endarterectomy catheter (TEC) system: experimental study and case report, Yedlicka JW Jr; Carlson JE; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; **2:** 343

US-assisted aspiration thrombectomy: in vitro investigations, Schmitz-Rode T; Günther RW; Müller-Leisse C, Radiology 1991; **178:** 677

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Thrombolysis

accelerated thrombolysis and angioplasty for hand ischemia in Buerger's disease, Lang EV; Bookstein JJ, Cardiovasc Intervent Radiol 1989; **12:** 95

acceleration of thrombolysis with a high-dose transthrombus bolus technique, Sullivan KL; Gardiner GA Jr; Shapiro MJ; Bonn J; Levin DC, Radiology 1989; **173:** 805

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; **174:** 907

comparison of urokinase and tissue plasminogen activator for thrombolysis in rats, Maginot TJ; Sadove AM; Jones C, Invest Radiol 1991; **26:** 46

cost-effectiveness of intra-arterial thrombolytic therapy, (ab), Dacey LJ; Dow RW; McDaniel MD; et al, Radiology 1989; **171:** 885

CT patterns of intracranial hemorrhage complicating thrombolytic therapy for acute myocardial infarction, Uglietta JP; O'Connor CM; Boyko OB; Aldrich H; Massey EW; Heinz ER, Radiology 1991; **181:** 555

dietary fish oil accelerates the response to coronary thrombolysis with tissue-type plasminogen activator: evidence for a modest platelet inhibitory effect in vivo, (ab), Braden GA; Knapp HR; Fitzgerald DJ; et al, JVIR 1990; **1:** 138

direct thrombolytic therapy for superior sagittal sinus thrombosis, Higashida RT; Helmer E; Halbach VV; et al, AJNR 1989; **10:** S4

effect on thrombus growth and thrombolysis of two types of low osmolar contrast media in rabbits, Levi M; Pascucci C; Agnelli G; et al, Invest Radiol 1990; **25:** 533

errors and pitfalls in intraarterial thrombolytic therapy, (ab), Hirshberg A; Schneiderman J; Garniek A; et al, Radiology 1990; **175:** 885

extensive thromboembolic disease of the hand and forearm: treatment with thrombolytic therapy, Lambiase RE; Paolella LP; Haas RA; Dorfman GS, JVIR 1991; **2:** 201

fibrinolytic therapy for upper-extremity arterial occlusions, Widlus DM; Venbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr, Radiology 1990; **175:** 393

fibrinolytic therapy for upper extremity occlusions, Morse MH; Baker AR, Radiology 1991; **178:** 580

fibrinolytic therapy in peripheral arterial grafts utilizing the "crossed two catheter" technique, Shewchun J; Sniderman KW, Cardiovasc Intervent Radiol 1989; **12:** 110

fibrinolytic treatment of residual thrombus after catheter embolectomy for severe lower limb ischemia, (ab), Parent FN III; Bernhard VM; Pabst TS; et al, Radiology 1989; **172:** 886

guide wire traversal test: retrospective study of results with fibrinolytic therapy, Smith DC; McCormick MJ; Jensen DA; Westengard JC, JVIR 1991; **2:** 339

hepatic neoplasms: effects of transcatheter arterial embolization on coagulation and fibrinolysis, Katsushima S; Oi H; Nakagawa K; Iida Y; Hidaka A; Hatabu H; Kusui T; Konishi J, Radiology 1990; **174:** 747

interventions in pulmonary embolism, McCowan TC; Eidt JF; Ferris EJ, J Thorac Imag 1989; **4-4:** 67

local intraarterial fibrinolysis in the carotid territory, Theron J; Courtheoux P; Casasco A; et al, AJNR 1989; **10:** 753

local intraarterial fibrinolysis is acute vertebrobasilar occlusion: technical developments and recent results, Zeumer H; Freitag H-J; Grzyska U; et al, Neuroradiol 1989; **31:** 336

local thrombolysis and thromboaspiration in the treatment of acutely thrombosed arteriovenous hemodialysis fistulas, Poulain F; Raynaud A; Bourquelot P; et al, Cardiovasc Intervent Radiol 1991; **14:** 98

low-dose fibrinolytic therapy for recent lower extremity thromboembolism, Sniderman KW; Kalman PG; Odurny A; et al, J Canad Assoc Radiol 1989; **40:** 98

multilevel infusion catheter for use with thrombolytic agents, Hicks ME; Picus D; Darcy MD; Kleinhoffer MA, JVIR 1991; **2:** 73

observations on the use of thrombolytic agents for thrombotic occlusion of infrainguinal vein grafts, (ab), Belkin M; Donaldson MC; Whittemore AD; et al, Radiology 1990; **176:** 589

percutaneous intraarterial thrombolysis in the treatment of thrombosis of lower extremity arterial reconstructions, (ab), Seabrook GR; Mewissen MW; Schmitt DD; et al, JVIR 1991; **2:** 414

percutaneous local arterial thrombolytic infusion: therapeutic effects and complications, Goffette P; Kurdziel JC; Dondelinger RF, Acta Radiol 1991; **32:** 305

percutaneous mechanical thrombolysis: a comparative study of various rotational catheter systems, Schmitz-Rode T; Günther RW, Invest Radiol 1991; **26:** 557

pharmacomechanical thrombolysis and angioplasty in the management of clotted hemodialysis grafts: early and late clinical results, Valji K; Bookstein JJ; Roberts AC; Davis GB, Radiology 1991; **178:** 243

plasminogen activators: pharmacology and therapy, Holden RW, Radiology 1990; **174:** 993

pulmonary embolism: segmental appearance of perfusion lung scan defects correlates with successful response to thrombolytic therapy, Parker JA; Nagel JS; Drum DE; Tumeh SS; Goldhaber SZ, Radiology 1990; **174:** 483

pulsed-spray pharmacomechanical thrombolysis: preliminary clinical results, Bookstein JJ; Fellmeth B; Roberts A; et al, AJR 1989; **152:** 1097

pulsed-spray thrombolysis of arterial and bypass graft occlusions, Valji K; Roberts AC; Davis GB; et al, AJR 1991; **156:** 617

radiographic markers in grafts, Galler L; Portner W, Radiology 1991; **180:** 586

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; **175:** 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; **178:** 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; **178:** 284

regional infusion of urokinase into occluded lower-extremity bypass grafts: long-term clinical results, Durham JD; Geller SC; Abbott WM; Shapiro H; Waltman AC; Walker TG; Brewster DC; Athanasoulis CA, Radiology 1989; **172:** 83

relative cost-effectiveness of urokinase versus streptokinase in the treatment of peripheral vascular disease, van Breda A; Graor RA; Katzen BT; Risius B; Gillings D, JVIR 1991; **2:** 77

safety and efficacy of thrombolytic therapy for superior vena cava syndrome, (ab), Gray BH; Olin JW; Graor RA; et al, JVIR 1991; **2:** 293

salvage of occluded arterial bypass grafts by means of thrombolysis, (ab), Gardiner GA Jr; Harrington DP; Koltun W; et al, Radiology 1989; **173:** 293

self-contained, coaxial delivery system for intraarterial infusion of thrombolytic agents, Matsumoto AH; Barth KH; Teitelbaum GP; Kremers PW, Radiology 1990; **174:** 1056

symptomatic native arterial occlusions: early experience with "over-the-wire" thrombolysis, Mewissen MW; Minor PL; Beyer GA; Lipchik EO, JVIR 1990; **1:** 43

thrombolysis for superior sagittal sinus thrombosis, Eskridge JM; Wessbecher FW, JVIR 1991; **2:** 89

thrombosis for superior sagittal sinus thrombosis: commentary, Heros RC, JVIR 1991; **2:** 93

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis, Okrent D; Messersmith R; Buckman J, JVIR 1991; **2:** 195

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Waltman AC, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Ferris EJ, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Holden RW, JVIR 1991; **2:** 199

two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial, Cragg AH; Smith TP; Corson JD; Nakagawa N; Castaneda F; Kresowik TF; Sharp WJ; Shamma A; Berbaum KS, Radiology 1991; **178:** 681

urokinase infusion: feasibility of monitoring for complications in a non-intensive care setting, Routh WD; Tatum CM; Barton RE; Gross GM; McDowell HA; Keller FS, JVIR 1991; **2:** 69

urokinase-mediated thrombolysis: a dose-response relationship in cats. work in progress, Hedlund LJ; Carlson JE; Urness M; Bildsoe MC; Yedlicka JW Jr; Castaneda-Zuniga WR; Amplatz K; Hunter DW, JVIR 1991; **2:** 349

US-assisted aspiration thrombectomy: in vitro investigations, Schmitz-Rode T; Günther RW; Müller-Leisse C, Radiology 1991; **178:** 677

Thrombophlebitis

case report: iliofemoral thrombophlebitis presenting as an acute abdomen: report and literature review, (ab), Wilensky RL; Nashel DJ, Radiology 1989; **171:** 293

case report: iliofemoral thrombophlebitis presenting as an acute abdomen: report and literature review, (ab), Wilensky RL; Nashel DJ, Radiology 1990; **174:** 294

changing clinical spectrum of thromboangiitis obliterans (Buerger's disease), (ab), Olin JW; Young JR; Graor RA; et al, JVIR 1991; **2:** 409

Thrombosis

See also individual vessels, e.g., Cerebral blood vessels, thrombosis; Hepatic veins, thrombosis

computerized tomography in dural sinus thrombosis, Yee CW; Ping TK, Australas Radiol 1990; **34:** 24

effect on thrombus growth and thrombolysis of two types of low osmolar contrast media in rabbits, Levi M; Pascucci C; Agnelli G; et al, Invest Radiol 1990; **25:** 533

endoscopic intravascular surgery removes intraluminal flaps, dissections, and thrombus, (ab), White GH; White RA; Kopchok GE; et al, Radiology 1990; **176:** 589

fibrinolytic therapy for infra-inguinal synthetic graft occlusions, Blanshard KS; Hacking PM, Clin Radiol 1990; **42:** 269

hepatofugal arterial signal in the main portal vein: an indicator of intravascular tumor spread, Pozniak MA; Baus KM, Radiology 1991; **180:** 663

mechanical clot dissolution: new concept, Bildsoe MC; Moradian GP; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **171:** 231

placental hypoechoic-anechoic areas and infarction: sonographic-pathologic correlation, Harris RD; Simpson WA; Pet LR; Marin-Padilla M; Crow HC, Radiology 1990; **176:** 75

plasminogen activators: pharmacology and therapy, Holden RW, Radiology 1990; **174:** 993

review of hypercoagulability syndromes: what the interventionalist needs to know, Perler BA, JVIR 1991; **2:** 183

value of Doppler sonography in the detection of major vessel thrombosis in the neonatal abdomen, Stringer DA; Krysl J; Manson D; et al, Pediatr Radiol 1990; **21:** 30

Thrombosis, arterial

See also individual vessels, e.g., Hepatic arteries, thrombosis

acceleration of thrombolysis with a high-dose transthrombus bolus technique, Sullivan KL; Gardiner GA Jr; Shapiro MJ; Bonn J; Levin DC, Radiology 1989; **173:** 805

acute aorto-iliac thrombosis in a young man shown on unenhanced computed tomography, Adler J; Robey G, Br J Radiol 1989; **62:** 627

arterial thrombosis and insufficiency causing diffusely decreased uptake by skeleton of a limb, Joyce JM; Conrad G; Shih W-J; et al, Semin Nucl Med 1991; **21:** 165

aspiration catheter for percutaneous thrombectomy: clinical results, Günther RW; Vorwerk D, Radiology 1990; **175:** 271

axillary artery compression and thrombosis in throwing athletes, (ab), Rohrer MJ; Cardullo PA; Pappas AM; et al, Radiology 1991; **178:** 295

basilar artery thrombosis diagnosed by MR imaging, Martinez HR; Elizondo G; Herrera J; et al, AJNR 1989; **10:** 581

fibrinolytic therapy for upper-extremity arterial occlusions, Widlus DM; Venbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr, Radiology 1990; **175:** 393

fibrinolytic therapy for upper extremity occlusions, Morse MH; Baker AR, Radiology 1991; **178:** 580

hepatic bilomas due to hepatic artery thrombosis in liver transplant recipients: percutaneous drainage and clinical outcome, Kaplan SB; Zajko AB; Koneru B, Radiology 1990; **174:** 1031

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

percutaneous local arterial thrombolytic infusion: therapeutic effects and complications, Goffette P; Kurdziel JC; Dondelinger RF, Acta Radiol 1991; **32:** 305

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; **175:** 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; **178:** 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; **178:** 284

regional infusion of urokinase into occluded lower-extremity bypass grafts: long-term clinical results, Durham JD; Geller SC; Abbott WM; Shapiro H; Waltman AC; Walker TG; Brewster DC; Athanasoulis CA, Radiology 1989; **172:** 83

symptomatic native arterial occlusions: early experience with "over-the-wire" thrombolysis, Mewissen MW; Minor PL; Beyer GA; Lipchik EO, JVIR 1990; **1:** 43

thrombin-soaked coils: estimation of thrombin dose, Harman JT; Becker GJ, JVIR 1991; **2:** 166

thrombosis of multiple aneurysms of a lateral lenticulostriate artery: an angiographic follow-up, Gupta AK; Rao VRK; Mandalam KR; et al, Neuroradiol 1989; **31:** 193

two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial, Cragg AH; Smith TP; Corson JD; Nakagawa N; Castaneda F; Kresowik TF; Sharp WJ; Shamma A; Berbaum KS, Radiology 1991; **178:** 681

Thrombosis, experimental

canine model of controlled thrombotic vascular occlusion, Labs JD; Caslowitz PL; Anderson JH; et al, Invest Radiol 1989; **24:** 446

clot-trapper device for transjugular thrombectomy from the inferior vena cava, Ponomar E; Carlson JE; Kindlund A; Rodriguez JP; Castaneda-Zuniga WR; Hunter DW; Yedlicka JW Jr; Amplatz K, Radiology 1991; **179:** 279

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013

radionuclide thrombus imaging, Oster ZH; Som P, Radiology 1990; **174:** 894

radionuclide thrombus imaging: an idea whose time has come?, Grossman ZD, Radiology 1989; **173:** 22

radionuclide thrombus imaging: reply, Grossman ZD, Radiology 1990; **174:** 895

radionuclide thrombus imaging: reply, Schaible TF; Berger HJ, Radiology 1990; **174:** 895

Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ, Radiology 1989; **173:** 163

thrombin-soaked coils: estimation of thrombin dose, Harman JT; Becker GJ, JVIR 1991; **2:** 166

thrombogenicity of hydrophilically coated guide wires and catheters, Leach KR; Kurisu Y; Carlson JE; Repa I; Epstein DH; Urness M; Sahatjian R; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **175:** 675

thrombus imaging with an I-123–labeled $F(ab')_2$ fragment of an anti–human fibrin monoclonal antibody in a rabbit model, Hashimoto Y; Stassen JM; Leclef B; De Roo M; Vandecruys A; Melin J; Verhoeven-Mester D; Trouet A; Collen D, Radiology 1989; **171:** 223

thrombus-trapping efficiency of the Greenfield filter in vivo, Thompson BH; Cragg AH; Smith TP; Bareniewski H; Barnhart WH; De Jong SC, Radiology 1989; **172:** 979

US-assisted aspiration thrombectomy: in vitro investigations, Schmitz-Rode T; Günther RW; Müller-Leisse C, Radiology 1991; **178:** 677

Thrombosis, MR

adrenal hemorrhage and renal vein thrombosis in the newborn: MR imaging, Brill PW; Jagannath A; Winchester P; Markisz JA; Zirinsky K, Radiology 1989; **170:** 95

detection of thrombus by using phase-image MR scans: ROC curve analysis, Tavares NJ; Auffermann W; Brown JJ; et al, AJR 1989; **153:** 173

dural sinus thrombosis: diagnosis and follow-up by magnetic resonance angiography and imaging, Padayachee TS; Bingham JB; Graves MJ; et al, Neuroradiol 1991; **33:** 165

gadolinium-DTPA enhanced MR imaging of septic dural sinus thrombosis, Harris TM; Smith RR; Koch KJ, JCAT 1989; **13:** 682

hyperintense thrombus on GRASS MR images: potential pitfall in flow evaluation, Yousem DM; Balakrishnan J; Debrun GM; et al, AJNR 1990; **11:** 51

limitations of magnetic resonance imaging and ultrasound-directed (duplex) scanning in the diagnosis of subclavian vein thrombosis, (ab), Haire WD; Lynch TG; Lund GB; et al, Radiology 1991; **180:** 887

MR diagnosis of dural venous sinus thrombosis complicating L-asparaginase therapy, Schick RM; Jolesz F; Barnes PD; et al, Comput Med Imag Graph 1989; **13:** 319

MRI assessment of unsuspected dural sinus thrombosis, Hulcelle PJ; Dooms GC; Mathurin P; et al, Neuroradiol 1989; **31:** 217

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; **176:** 255

Thrombosis, radionuclide studies

current status of immunoscintigraphy in the detection of thrombosis and thromboembolism, Koblik PD; DeNardo GL; Berger HJ, Semin Nucl Med 1989; **19:** 221

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

radiolabeled antifibrin antibody in the detection of venous thrombosis: preliminary results, Alavi A; Palevsky HI; Gupta N; Meranze S; Kelley MA; Jatlow AD; Schaible TF; Brown J; Berger HJ, Radiology 1990; **175:** 79

radionuclide thrombus imaging, Oster ZH; Som P, Radiology 1990; **174:** 894

radionuclide thrombus imaging: an idea whose time has come?, Grossman ZD, Radiology 1989; **173:** 22

radionuclide thrombus imaging: reply, Grossman ZD, Radiology 1990; **174:** 895

radionuclide thrombus imaging: reply, Schaible TF; Berger HJ, Radiology 1990; **174:** 895

radiopharmaceuticals for thrombus detection, Knight LC, Semin Nucl Med 1990; **20:** 52

Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ, Radiology 1989; **173:** 163

thrombus imaging: a comparison of radiolabeled GC4 and T2G1s fibrin-specific monoclonal antibodies, Rosebrough SF; McAfee JG; Grossman ZD; et al, J Nucl Med 1990; **31:** 1048

thrombus imaging with an I-123–labeled $F(ab')_2$ fragment of an anti–human fibrin monoclonal antibody in a rabbit model, Hashimoto Y; Stassen JM; Leclef B; De Roo M; Vandecruys A; Melin J; Verhoeven-Mester D; Trouet A; Collen D, Radiology 1989; **171:** 223

Thrombosis, renal vein

See Renal veins, thrombosis

Thrombosis, US

color Doppler sonographic imaging in the assessment of upper-extremity deep venous thrombosis, Knudson GJ; Wiedmeyer DA; Erickson SJ; et al, AJR 1990; **154:** 399

colour Doppler ultrasound in deep venous thrombosis: a comparison with venography, (ab), Baxter GM; McKechnie S; Duffy P, Clin Radiol 1990; **42:** 32

colour Doppler ultrasound of the post-phlebitic limb: sounding a cautionary note, Baxter GM; Duffy P; MacKechnie S, Clin Radiol 1991; **43:** 301

deep veins of the calf: assessment with color Doppler flow imaging, Polak JF; Culter SS; O'Leary DH, Radiology 1989; **171:** 481

deep vein thrombosis of lower extremities: diagnosis by real time ultrasonography, Gudmundsen TE; Vinje B; Pedersen T, Acta Radiol 1990; **31:** 473

deep venous thrombosis: longitudinal study with Duplex US, Mantoni M, Radiology 1991; **179:** 271

diagnosis of deep venous thrombosis by duplex sonography, Mantoni M, Acta Radiol 1989; **30:** 575

Doppler sonographic demonstration of the progressive spontaneous thrombosis of pseudoaneurysms, Kotval PS; Khoury A; Shah PM; et al, J Ultrasound Med 1990; **9:** 185

evolution of deep venous thrombosis: a prospective evaluation with US, Murphy TP; Cronan JJ, Radiology 1990; **177:** 543

image-directed Doppler ultrasound: a screening technique for patients at high risk to develop deep vein thrombosis, Cronan JJ; Froehlich JA; Dorfman GS, JCU 1991; **19:** 133

intravascular thrombosis: definitive detection by quantitative tissue characterization in vitro, Barzilai B; Eisen HE, JCU 1989; **17:** 579

outcome analysis of patients with normal compression US examinations, Vaccaro JP; Cronan JJ; Dorfman GS, Radiology 1990; **175:** 645

pancreatic transplantation: radiologic evaluation of vascular complications, Snider JF; Hunter DW; Kuni CC; Castaneda-Zuniga WR; Letourneau JG, Radiology 1991; **178:** 749

recurrent deep venous thrombosis: limitations of US, Cronan JJ; Leen V, Radiology 1989; **170:** 739

symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ, Radiology 1990; **175:** 639

techniques for color flow sonography of the lower extremity, Knighton RA; Priest DL; Zwiebel WJ; Lawrence PF; Miller FJ; Rose SC, Radiographics 1990; **10:** 775

thrombosis of a duplicated superficial femoral vein: potential error in compression ultrasound diagnosis of lower extremity deep venous thrombosis, Quinn KL; Vandeman FN, J Ultrasound Med 1990; **9:** 235

ultrasonographic diagnosis of heterotopic ossification mimicking deep vein thrombosis, Scola FH; Parziale JR, JCU 1991; **19:** 55

ultrasound of deep venous thrombi, (ab), Needleman L; Cronan JJ; Zwiebel WJ, Radiology 1990; **174:** 902

US-assisted aspiration thrombectomy: in vitro investigations, Schmitz-Rode T; Günther RW; Müller-Leisse C, Radiology 1991; **178:** 677

venous thrombosis in patients who have undergone major hip or knee surgery: detection with compression US and impedance plethysmography, Ginsberg JS; Caco CC; Brill-Edwards PA; Panju AA; Bona R; Demers CM; Tuters LM; Nugent P; McGinnis J; Grant BM; Vander Lander Vries MA, Radiology 1991; **181:** 651

venous thrombosis in the neck: the role of real time ultrasound, Williams CE; Lamb GHR; Roberts D; et al, Eur J Radiol 1989; **9:** 32

Thrombosis, venous

See also individual vessels, e.g., Hepatic veins, thrombosis

acute venous thrombosis after pancreas transplantation: diagnosis with duplex Doppler sonography and scintigraphy, Boiskin I; Sandler MP; Fleischer AC; et al, AJR 1990; **154:** 529

aspiration catheter for percutaneous thrombectomy: clinical results, Günther RW; Vorwerk D, Radiology 1990; **175:** 271

axillary vein thrombosis in a female backpacker: Paget-Schroetter syndrome, Kolodinsky SD; Brandschwei FH, J Canad Assoc Radiol 1989; **40:** 230

Baker's cyst simulating deep vein thrombosis, Chaudhuri R; Salari R, Clin Radiol 1990; **41:** 400

bilateral deep venous thrombosis in protein S deficiency: detection by radionuclide venography, Wegener WA; Heyman S, Clin Nucl Med 1990; **15:** 618

calcified cerebral sinus thrombosis in infancy—CT appearances with pathological correlation, Davies RP; Slavotinek JP; James SL; et al, Pediatr Radiol 1989; **20:** 101

calcified splenic and portal vein thrombosis: an unusual cause of multiple high amplitude echoes in the spleen, Logan H; Meire H, Br J Radiol 1991; **64:** 366

calf deep venous thrombosis: a wolf in sheep's clothing?, (ab), Philbrick JT; Becker DM, Radiology 1989; **171:** 885

case report: bilateral massive internal jugular vein thrombosis in carcinoma of the thyroid: CT evaluation, Thomas S; Sawhney S; Kapur BML, Clin Radiol 1991; **43:** 433

case report: deep venous thrombosis diagnosed on indium-111 labelled white cell scanning, Carvalho P; Banerjee AK; Cheah FK; et al, Clin Radiol 1991; **43:** 276

caudal migration of the Günther vena caval filter, Schneider P-A; Parmeggiani L; Piguet J-C; Bounameaux H, Radiology 1989; **173:** 465

changing concepts of deep venous thrombosis of the upper extremity: report of a series and review of the literature, (ab), Horattas MC; Wright DJ; Fenton AH; et al, Radiology 1989; **171:** 293

clinical and noninvasive assessment of venous disease as related to pulmonary embolism, Barnes RW; Nix ML, J Thorac Imag 1989; **4-4:** 8

clot-trapper device for transjugular thrombectomy from the inferior vena cava, Ponomar E; Carlson JE; Kindlund A; Rodriguez JP; Castaneda-Zuniga WR; Hunter DW; Yedlicka JW Jr; Amplatz K, Radiology 1991; **179:** 279

color Doppler sonographic imaging in the assessment of upper-extremity deep venous thrombosis, Knudson GJ; Wiedmeyer DA; Erickson SJ; et al, AJR 1990; **154:** 399

colour Doppler ultrasound in deep venous thrombosis: a comparison with venography, (ab), Baxter GM; McKechnie S; Duffy P, Clin Radiol 1990; **42:** 32

compression US in isolated calf venous thrombosis, Mussurakis S, Radiology 1991; **181:** 351

compression US in isolated calf venous thrombosis: reply, Yucel EK; Waltman AC, Radiology 1991; **181:** 352

contemporary venous imaging, Cronan JJ, Cardiovasc Intervent Radiol 1991; **14:** 87

deep veins of the calf: assessment with color Doppler flow imaging, Polak JF; Culter SS; O'Leary DH, Radiology 1989; **171:** 481

deep vein thrombosis after total hip replacement: a venographic study, (ab), Høgevold HE; Høiseth A; Reikerås O, JVIR 1991; **2:** 409

deep vein thrombosis after total hip replacement: a venographic study, Høgevold HE; Høiseth A; Reikerås O, Acta Radiol 1990; **31:** 571

deep vein thrombosis: a perspective on anatomy and venographic analysis, Harmon B, J Thorac Imag 1989; **4-4:** 15

deep vein thrombosis: scintigraphic diagnosis with In-111–labeled monoclonal antifibrin antibodies, Jung M; Kletter K; Dudczak R; Koppensteiner R; Minar E; Kahls P; Stümpflen A; Pokieser P; Ehringer H, Radiology 1989; **173:** 469

deep venous thrombosis and pulmonary emboli: etiology, medical treatment, and prophylaxis, Coffman JD, J Thorac Imag 1989; **4-4:** 4

deep venous thrombosis complicating myelomeningocele: report of three cases, (ab), Bernstein ML; Esseltine D; Azouz EM; et al, Radiology 1990; **175:** 888

deep venous thrombosis: experience with gradient-echo MR imaging in 66 patients, Spritzer CE; Sostman HD; Wilkes DC; Coleman RE, Radiology 1990; **177:** 235

deep venous thrombosis: implications after open heart surgery, (ab), DeLaria GA; Hunter JA, JVIR 1991; **2:** 412

deep venous thrombosis: longitudinal study with Duplex US, Mantoni M, Radiology 1991; **179:** 271

deep venous thrombosis of extremities: role of MR imaging in the diagnosis, Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM, Radiology 1990; **174:** 425

detection of previous proximal venous thrombosis with Doppler ultrasonography and photoplethysmography, (ab), Ginsberg JS; Shin A; Turpie GG; et al, Radiology 1990; **175:** 590

diagnosis of abdominal venous thrombosis by means of spin-echo and gradient-echo MR imaging: analysis with receiver operating characteristic curves, Arrivé L; Menu Y; Dessarts I; Dubray B; Vullierme M-P; Vilgrain V; Najmark D; Nahum H, Radiology 1991; **181:** 661

diagnosis of deep venous thrombosis by duplex sonography, Mantoni M, Acta Radiol 1989; **30:** 575

diagnosis of deep venous thrombosis of the leg using immunoscintigraphy with ^{111}In-labelled monoclonal antifibrin antibody fragments, Aronen H, Acta Radiol 1989; **30:** 159

diagnosis of femoropopliteal venous thrombosis with MR imaging: a comparison of four MR pulse sequences, Totterman S; Francis CW; Foster TH; et al, AJR 1990; **154:** 175

direct thrombolytic therapy for superior sagittal sinus thrombosis, Higashida RT; Helmer E; Halbach VV; et al, AJNR 1989; **10:** S4

effort thrombosis: role of interventional therapy, Grassi CJ; Bettmann MA, Cardiovasc Intervent Radiol 1990; **13:** 317

evaluation of indium-111-labeled antifibrin monoclonal antibody for the diagnosis of venous thrombotic disease, De Faucal P; Peltier P; Planchon B; et al, J Nucl Med 1991; **32:** 785

evolution of deep venous thrombosis: a prospective evaluation with US, Murphy TP; Cronan JJ, Radiology 1990; **177:** 543

femoral vein thrombosis following percutaneous placement of the Greenfield filter, Tobin KD; Pais SO; Austin CB, Invest Radiol 1989; **24:** 442

gonadal vein thrombosis in patients with acute gastrointestinal inflammation: diagnosis with CT, Jain KA; Jeffrey RB Jr, Radiology 1991; **180:** 111

Greenfield filter as primary therapy for deep venous thrombosis and/or pulmonary embolism in patients with cancer, (ab), Cohen JR; Tenenbaum N; Citron M, Radiology 1991; **179:** 886

Greenfield filter as the primary means of therapy in venous thromboembolic disease, (ab), Fink JA; Jones BT, JVIR 1991; **2:** 415

hot clot sign: a new finding in deep venous thrombosis on bone scintigraphy, Zuckier LS; Patel KA; Wexler JP; et al, Clin Nucl Med 1990; **15:** 790

image-directed Doppler ultrasound: a screening technique for patients at high risk to develop deep vein thrombosis, Cronan JJ; Froehlich JA; Dorfman GS, JCU 1991; **19:** 133

incidence of deep vein thrombosis after cementless and cemented knee replacement, (ab), Kim Y-H, Radiology 1991; **178:** 899

intraoperative venous dilation and subsequent development of deep vein thrombosis in patients undergoing total hip or knee replacement, Stewart GJ; Lachman JW; Alburger PD; et al, Ultrasound Med Biol 1990; **16:** 133

isolated calf venous thrombosis: diagnosis with compression US, Yucel EK; Fisher JS; Egglin TK; Geller SC; Waltman AC, Radiology 1991; **179:** 443

left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls, Gay SB; Armistead JP; Weber ME; Williamson BRJ, Radiographics 1991; **11:** 549

mesenteric venous thrombosis, (ab), Harward TRS; Green D; Bergan JJ; et al, Radiology 1989; **173:** 293

monitoring of therapy for deep vein thrombosis using magnetic resonance imaging, Francis CW; Foster TH; Totterman S; et al, Acta Radiol 1989; **30:** 445

monoclonal antibodies and thromboembolism, Grossman ZD, J Thorac Imag 1989; **4-4:** 62

neonatal dural venous sinus thrombosis associated with central venous catheterization: CT and MR studies, Hurst RW; Kerns SR; McIlhenny J; et al, JCAT 1989; **13:** 504

noninvasive methods in the diagnosis of isolated superior mesenteric vein thrombosis: US and CT, Franquet T; Bescos JM; Reparaz B, Gastrointest Radiol 1989; **14:** 321

observations on the use of thrombolytic agents for thrombotic occlusion of infrainguinal vein grafts, (ab), Belkin M; Donaldson MC; Whittemore AD; et al, Radiology 1990; **176:** 589

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013

outcome analysis of patients with normal compression US examinations, Vaccaro JP; Cronan JJ; Dorfman GS, Radiology 1990; **175:** 645

ovarian vein thrombosis in oncology patients: CT detection and clinical significance, Jacoby WT; Cohan RH; Baker ME, AJR 1990; **155:** 291

overview of noninvasive methods of deep vein thrombosis detection, Hayt DB; Binkert BL, Clin Imag 1990; **14:** 179

phlebographic findings in venous thrombosis following total hip replacement, Kälebo P; Anthmyr B-A; Eriksson BI; et al, Acta Radiol 1990; **31:** 259

physician practices in the treatment of pulmonary embolism and deep venous thrombosis, (ab), Wheeler AP; Jaquiss RDB; Newman JH, Radiology 1989; **170:** 291

popliteal vein thrombosis and popliteal artery compression complicating fibular osteochondroma: ultrasound diagnosis, Longo JM; Rodriguez-Cabello J; Bilbao JI; et al, JCU 1990; **18:** 507

portal venous tumor thrombosis associated with gastric adenocarcinoma, Araki T; Suda K; Sekikawa T; Ishii Y; Hihara T; Kachi K, Radiology 1990; **174:** 811

prevalence of local venous thrombosis after transfemoral placement of a bird's nest vena caval filter, Hicks ME; Middleton WD; Picus D; Darcy MD; Kleinhoffer MA, JVIR 1990; **1:** 63

radionuclide thrombus imaging, Oster ZH; Som P, Radiology 1990; **174:** 894

radionuclide thrombus imaging: an idea whose time has come?, Grossman ZD, Radiology 1989; **173:** 22

radionuclide thrombus imaging: reply, Grossman ZD, Radiology 1990; **174:** 895

radionuclide thrombus imaging: reply, Schaible TF; Berger HJ, Radiology 1990; **174:** 895

recurrent deep venous thrombosis: limitations of US, Cronan JJ; Leen V, Radiology 1989; **170:** 739

soft tissue involvement, mediastinal pseudotumor, and venous thrombosis in pustulotic arthro-osteitis: a study of eight new cases, van Holsbeeck M; Martel W; Dequeker J; et al, Skeletal Radiol 1989; **18:** 1

splenic and portal venous thrombosis: a vascular complication of pancreatic disease demonstrated on computed tomography, Belli AM; Jennings CM; Nakielny RA, Clin Radiol 1990; **41:** 13

streptokinase therapy for extensive venous thromboses in a patient with severe ulcerative colitis, (ab), Van Woert JH; Thompson RC; Cangemi JR; et al, JVIR 1990; **1:** 137

subclavian vein thrombosis: a continuing challenge, (ab), Hill SL; Berry RE, JVIR 1990; **1:** 137

subclavian vein thrombosis: a continuing challenge, (ab), Hill SL; Berry RE, Radiology 1991; **178:** 295

symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ, Radiology 1990; **175:** 639

Tc-99m antifibrin Fab' fragments for imaging venous thrombi: evaluation in a canine model, Knight LC; Maurer AH; Ammar IA; Epps LA; Dean RT; Pak KY; Berger HJ, Radiology 1989; **173:** 163

techniques for color flow sonography of the lower extremity, Knighton RA; Priest DL; Zwiebel WJ; Lawrence PF; Miller FJ; Rose SC, Radiographics 1990; **10:** 775

therapeutic options for acute thrombosed in situ saphenous vein arterial bypass grafts, (ab), Bandyk DF; Towne JB; Schmitt DD; et al, Radiology 1990; **177:** 893

thrombosis at venous insertion sites after inferior vena caval filter placement, Mewissen MW; Erickson SJ; Foley WD; Lipchik EO; Olson DL; McCann KM; Schreiber ER, Radiology 1989; **173:** 155

thrombosis of a duplicated superficial femoral vein: potential error in compression ultrascund diagnosis of lower extremity deep venous thrombosis, Quinn KL; Vandeman FN, J Ultrasound Med 1990; **9:** 235

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis, Okrent D; Messersmith R; Buckman J, JVIR 1991; **2:** 195

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Waltman AC, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Ferris EJ, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Holden RW, JVIR 1991; **2:** 199

ultrasonographic diagnosis of heterotopic ossification mimicking deep vein thrombosis, Scola FH; Parziale JR, JCU 1991; **19:** 55

ultrasound of deep venous thrombi, (ab), Needleman L; Cronan JJ; Zwiebel WJ, Radiology 1990; **174:** 902

unexpected prevalence of silent pulmonary embolism in patients with deep venous thrombosis, (ab), Huisman MV; Büller HR; ten Cate JW; et al, Radiology 1989; **173:** 591

upper-extremity deep venous thrombosis and pulmonary embolism: a prospective study, (ab), Monreal M; Lafoz E; Ruiz J; et al, JVIR 1991; **2:** 412

US-guided venipuncture for venography in the edematous leg, Johns CM; Sumkin JH, Radiology 1991; **180:** 573

venous thrombosis in patients who have undergone major hip or knee surgery: detection with compression US and impedance plethysmography, Ginsberg JS; Caco CC; Brill-Edwards PA; Panju AA; Bona R; Demers CM; Tuters LM; Nugent P; McGinnis J; Grant BM; Vander Lander Vries MA, Radiology 1991; **181:** 651

venous thrombosis in the neck: the role of real time ultrasound, Williams CE; Lamb GHR; Roberts D; et al, Eur J Radiol 1989; **9:** 32

Thymoma

See Thymus, neoplasms

Thymus

mediastinal pseudomass caused by compression of the thymus in neonates with anterior pneumothorax, O'Keeffe FN; Swischuk LE; Stansberry SD, AJR 1991; **156:** 145

Thymus, abnormalities

normal and abnormal thymus in childhood: MR imaging, Siegel MJ; Glazer HS; Wiener JI; Molina PL, Radiology 1989; **172:** 367

thymic atrophy and rebound enlargement following chemotherapy for testicular cancer, Hendrickx P; Döhring W, Acta Radiol 1989; **30:** 263

Thymus, CT

CT findings in primary thymic carcinoma, Lee JD; Choe KO; Kim SJ; et al, JCAT 1991; **15:** 429

general case of the day, Chalaoui J; Samson L; Robillard P; Constantin A; Dussault RG, Radiographics 1990; **10:** 957

problems in radiology: CT assessment of the thymus, Williams MP, Clin Radiol 1989; **40:** 113

thymic involvement in Hodgkin disease: CT and sonographic findings, Wernecke K; Vassallo P; Rutsch F; Peters PE; Potter R, Radiology 1991; **181:** 375

thymolipoma. computed tomographic appearances, Faerber EN; Balsara RK; Schidlow DV; et al, Pediatr Radiol 1990; **20:** 196

Thymus, cysts

apparent association between thymic cysts and prior thoracotomy, Jaramillo D; Perez-Atayde A; Griscom NT, Radiology 1989; **172:** 207

general case of the day, Chalaoui J; Samson L; Robillard P; Constantin A; Dussault RG, Radiographics 1990; **10:** 957

multilocular thymic cyst: an acquired reactive process—study of 18 cases, (ab), Suster S; Rosai J, Radiology 1991; **180:** 885

Thymus, MR

imaging in myasthenia gravis, Moore NR, Clin Radiol 1989; **40:** 115

normal and abnormal thymus in childhood: MR imaging, Siegel MJ; Glazer HS; Wiener JI; Molina PL, Radiology 1989; **172:** 367

thymic masses on MR imaging, Molina PL; Siegel MJ; Glazer HS, AJR 1990; **155:** 495

Thymus, neoplasms

analysis of prognostic factors and clinicopathological staging of thymoma, (ab), Pescarmona E; Rendina EA; Venuta F; et al, Radiology 1991; **179:** 589

anterior mediastinal masses: utility of transthoracic needle biopsy, Herman SJ; Holub RV; Weisbrod GL; Chamberlain DW, Radiology 1991; **180:** 167

carcinoid tumors of the thymus, (ab), Economopoulos GC; Lewis JW Jr; Lee MW; et al, Radiology 1991; **179:** 884

case report 657, McLennan MK, Skeletal Radiol 1991; **20:** 141

CT findings in primary thymic carcinoma, Lee JD; Choe KO; Kim SJ; et al, JCAT 1991; **15:** 429

intracaval and intracardiac extension of malignant thymoma: CT diagnosis, Korobkin M; Casano VA, JCAT 1989; **13:** 348

mediastinal uptake of Tc-99m pertechnetate in a thymona, Jimenez-Heffernan A; Pineda-Albornoz A; Maranon-Lopez J; et al, Clin Nucl Med 1989; **14:** 375

metastatic thymoma: case report, Stevens MJ; Biggs BJ, Australas Radiol 1989; **33:** 168

pleural metastasis of malignant thymoma. a pitfall in the CT-diagnosis of pleural mesothelioma, Görich J; Beyer-Enke SA; Schmitteckert H; et al, Comput Med Imag Graph 1989; **13:** 169

radiation therapy of invasive thymoma, Arakawa A; Yasunaga T; Saitoh Y; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 529

radiological diagnosis of thymoma in myasthenia gravis (MG): review of a series of 523 surgically controlled patients, Juliani G, Clin Imag 1990; **14:** 48

recurrent thymoma in patients with myasthenia gravis, (ab), Ohmi M; Ohuchi M, Radiology 1991; **179:** 292

thymic involvement in Hodgkin disease: CT and sonographic findings, Wernecke K; Vassallo P; Rutsch F; Peters PE; Potter R, Radiology 1991; **181:** 375

thymic masses on MR imaging, Molina PL; Siegel MJ; Glazer HS, AJR 1990; **155:** 495

thymolipoma: computed tomographic appearances, Faerber EN; Balsara RK; Schidlow DV; et al, Pediatr Radiol 1990; **20:** 196

Thymus, radionuclide studies

mediastinal uptake of Tc-99m pertechnetate in a thymona, Jimenez-Heffernan A; Pineda-Albornoz A; Maranon-Lopez J; et al, Clin Nucl Med 1989; **14:** 375

Thymus, therapeutic radiology

radiation therapy of invasive thymoma, Arakawa A; Yasunaga T; Saitoh Y; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 529

role of preoperative radiotherapy for invasive thymoma, Ohara K; Okumura T; Sugahara S; et al, Acta Oncol 1990; **29:** 425

Thymus, US

normal thymus in infancy: sonographic characteristics, Han BK; Babcock DS; Oestreich AE, Radiology 1989; **170:** 471

thymic hemorrhage: a cause of acute symptomatic mediastinal widening in an infant with late haemorrhagic disease: sonographic findings, Lemaitre L; Leclerc F; Dubos JP; et al, Pediatr Radiol 1989; **19:** 128

ultrasound of the fetal thymus, Felker RE; Cartier MS; Emerson DS; et al, J Ultrasound Med 1989; **8:** 669

ultrasound of the normal thymus in the infant: a simple method of resolving a clinical dilemma, Carty H, Br J Radiol 1990; **63:** 737

Thyroid, abnormalities

arteries of the lingual thyroid: angiographic findings and anatomic variations, Banna M; Lasjaunias P, AJNR 1990; **11:** 730

magnetic resonance imaging of a lingual thyroid gland, Johnson JC; Coleman LL, Pediatr Radiol 1989; **19:** 461

papillary carcinoma in ectopic thyroid detected by Tl-201 scintigraphy, Michigishi T; Mizukami Y; Mura T; et al, Clin Nucl Med 1991; **16:** 337

Thyroid, abscess

comparative imaging: thyroid abscess, Milbrath MM; Beste DJ; Sty JR, Clin Nucl Med 1990; **15:** 197

Thyroid, biopsy

fine-needle aspiration biopsy of the thyroid: diagnostic accuracy when performing a moderate number of such procedures, (ab), Dwarakanathan AA; Ryan WG; Staren ED; et al, Radiology 1990; **175:** 295

thyroid gland: US screening in a random adult population, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1991; **181:** 683

thyroid gland: US screening in middle-aged women with no previous thyroid disease, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1989; **173:** 507

thyroid metastases: combined role of ultrasonography and fine needle aspiration biopsy, Eftekhari F; Peuchot M, JCU 1989; **17:** 657

Thyroid, calcification

evaluation of thyroid calcification using computed radiography with image plate, Fukatsu H; Makino N; Kodama Y; et al, Eur J Radiol 1989; **9:** 22

Thyroid, CT

case report: CT scanning as an adjunct to screening for medullary carcinoma of the thyroid, Heron CW; Ponder BAJ; Hunter-Craig ID, Clin Radiol 1990; **41:** 209

computed tomographic evaluation of intrathoracic thyroid malignancy, Pearlberg JL; Sandler MA; Talpos GB; et al, Comput Med Imag Graph 1989; **13:** 411

CT evaluation of anaplastic thyroid carcinoma, Takashima S; Morimoto S; Ikezoe J; et al, AJNR 1990; **11:** 361

CT evaluation of anaplastic thyroid carcinoma, Takashima S; Morimoto S; Ikezoe J; et al, AJR 1990; **154:** 1079

evaluation of thyroid calcification using computed radiography with image plate, Fukatsu H; Makino N; Kodama Y; et al, Eur J Radiol 1989; **9:** 22

measurement of thyroid iodine by CT, Imanishi Y; Ehara N; Mori J; et al, JCAT 1991; **15:** 287

primary thyroid lymphoma: comparison of CT and US assessment, Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F, Radiology 1989; **171:** 439

Thyroid, diseases

in vivo SPECT quantitation of bone metabolism in hyperparathyroidism and thyrotoxicosis, Israel O; Front D; Hardoff R; et al, J Nucl Med 1991; **32:** 1157

primary thyroid lymphoma: comparison of CT and US assessment, Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F, Radiology 1989; **171:** 439

ultrasonic imaging in the differential diagnosis of diffuse thyroid disorders in children, (ab), Ivarsson SA; Ericsson U-B; Fredriksson B; et al, Radiology 1990; **175:** 888

Thyroid, hyperthyroidism

goitrous cretinism manifesting as newborn stridor: CT evaluation, Optican RJ; White KS; Effmann EL, AJR 1991; **157:** 557

hyperthyroidism with low radioiodine uptake after head and neck irradiation for Hodgkin's disease, Petersen M; Keeling CA; McDougall IR, J Nucl Med 1989; **30:** 255

incidental detection of hyperthyroidism during a perfusion lung scan for suspected pulmonary emboli, Campeau RJ; Lichtenstein RJ; Ward TL; et al, Clin Nucl Med 1991; **16:** 251

long-term follow-up in toxic solitary autonomous thyroid nodules treated with radioactive iodine, Huysmans DA; Corstens FH; Kloppenborg PW, J Nucl Med 1991; **32:** 27

nonimmunogenic hyperthyroidism: cumulative hypothyroidism incidence after radioiodine and surgical treatment, Kinser JA; Roesler H; Furrer T; et al, J Nucl Med 1989; **30:** 1960

results of radiotherapy for thyroid ophthalmopathy, Sandler HM; Rubenstein JH; Fowble BL; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 823

serendipitous diagnosis of hyperthyroidism with Tc-99m bone scan, Norbash AM; DeLong SR, Clin Nucl Med 1991; **16:** 526

sonographic findings in maternal hyperthyroidism: fetal hyperthyroidism/fetal goiter, Belfar HL; Foley TP Jr; Hill LM; et al, J Ultrasound Med 1991; **10:** 281

therapeutic efficacy of oral cholecystographic agent (iopanoic acid) in the management of hyperthyroidism, Bal C; Nair N, J Nucl Med 1990; **31:** 1180

thyroid imaging using positron emission tomography—a comparison with ultrasound imaging and conventional scintigraphy in thyrotoxicosis, Flower MA; Irvine AT; Ott RJ; et al, Br J Radiol 1990; **63:** 325

treatment of autonomous thyroid nodules with percutaneous ethanol injection: preliminary results. work in progress, Livraghi T; Paracchi A; Ferrari C; Bergonzi M; Garavaglia G; Raineri P; Vettori C, Radiology 1990; **175:** 827

unusual thyroid scintigrams in Plummer's disease during methimazole therapy: conversion of hot to hypofunctional nodules, Tamai H; Nagai K; Ishimoto J; et al, Clin Nucl Med 1990; **15:** 465

Thyroid, hypothyroidism

impaired trapping of Tc-99m pertechnetate in the salivary glands of patients with congenital hypothyroidism, Singh A, Clin Nucl Med 1990; **15:** 257

incidence of hypothyroidism after irradiation of the neck with special reference to lymphoma patients: a retrospective and prospective analysis, Feyerabend T; Kapp B; Richter E; et al, Acta Oncol 1990; **29:** 597

prevention of hypothyroidism related to mantle irradiation for Hodgkin's disease: preparative phantom study, Marcial-Vega VA; Order SE; Lastner G; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 613

primary hypothyroidism with pituitary hyperplasia and basal ganglia calcifications, Williams RS; Williams JP; Davis MR; et al, Clin Imag 1990; **14:** 330

Thyroid, inflammation

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Thyroid, MR

in vitro NMR evaluation of human thyroid lesions, Johnson M; Selinsky B; Davis M; et al, Invest Radiol 1989; **24:** 666

magnetic resonance imaging of a lingual thyroid gland, Johnson JC; Coleman LL, Pediatr Radiol 1989; **19:** 461

MR imaging of primary thyroid lymphoma, Takashima S; Ikezoe J; Morimoto S; et al, JCAT 1989; **13:** 517

primary thyroid lymphoma: MR appearance, Shibata T; Noma S; Nakano Y; et al, JCAT 1991; **15:** 629

recurrent occult medullary thyroid carcinoma detected by MR imaging, Crow JP; Azar-Kia B; Prinz RA, AJR 1989; **152:** 1255

sonographic abnormalities of the thyroid gland in longterm survivors of Hodgkin disease, Soberman N; Leonidas JC; Cherrick I; et al, Pediatr Radiol 1991; **21:** 250

Thyroid, neoplasms

anaplastic thyroid carcinoma: doxorubicin, hyperfractionated radiotherapy and surgery, Tennvall J; Tallroth E; El Hassan A; et al, Acta Oncol 1990; **29:** 1025

appearance of thyroid diseases using colour-coded duplex sonography, Fobbe F; Finke R; Reichenstein E; et al, Eur J Radiol 1989; **9:** 29

can iodine-131 whole-body scan be replaced by thyroglobulin measurement in the post-surgical follow-up of differentiated thyroid carcinoma?, Ronga G; Fiorentino A; Paserio E; et al, J Nucl Med 1990; **31:** 1766

case report: bilateral massive internal jugular vein thrombosis in carcinoma of the thyroid: CT evaluation, Thomas S; Sawhney S; Kapur BML, Clin Radiol 1991; **43:** 433

case report: CT scanning as an adjunct to screening for medullary carcinoma of the thyroid, Heron CW; Ponder BAJ; Hunter-Craig ID, Clin Radiol 1990; **41:** 209

case report: cystic lymph node metastasis from occult thyroid carcinoma: a sonographic mimic of a branchial cleft cyst, Loughran CF, Clin Radiol 1991; **43:** 213

comparison of 1073 MBq and 3700 MBq iodine-131 in postoperative ablation of residual thyroid tissue in patients with differentiated thyroid cancer, Johansen K; Woodhouse NJY; Odugbesan O, J Nucl Med 1991; **32:** 252

computed tomographic evaluation of intrathoracic thyroid malignancy, Pearlberg JL; Sandler MA; Talpos GB; et al, Comput Med Imag Graph 1989; **13:** 411

CT evaluation of anaplastic thyroid carcinoma, Takashima S; Morimoto S; Ikezoe J; et al, AJNR 1990; **11:** 361

CT evaluation of anaplastic thyroid carcinoma, Takashima S; Morimoto S; Ikezoe J; et al, AJR 1990; **154:** 1079

cystic papillary carcinoma of the thyroid gland: a new sonographic sign, Hatabu H; Kasagi K; Yamamoto K; et al, Clin Radiol 1991; **43:** 121

cystic thyroid nodules: the dilemma of malignant lesions, (ab), de los Santos ET; Keyhani-Rofagha S; Cunningham JJ; et al, Radiology 1991; **178:** 295

detection of metastatic thyroid carcinoma on renal dynamic study, Shoemaker DW; Slavin JD Jr; Spencer RP, Clin Nucl Med 1990; **15:** 193

discordant Tl-201 and Tc-99m imaging in a patient with thyroid carcinoma and Hashimoto's disease, Morita S; Ishibashi M; Hirayama T; et al, Clin Nucl Med 1990; **15:** 612

failure of exogenous TSH to stimulate suppressed tissue in a case of toxic adenoma, Khammash NF; Halkar RK, Clin Nucl Med 1989; **14:** 846

false-positive Tc-99m pentavalent DMSA uptake in the imaging of medullary carcinoma of the thyroid, Lette J; Monier D; Ledoux R; et al, Clin Nucl Med 1991; **16:** 136

follicular thyroid carcinoma masquerading as subacute thyroiditis: diagnosis using ultrasonography and radionuclide thyroid angiography, Prakash R; Jayaram G; Singh RP, Australas Radiol 1991; **35:** 174

haematological effects from radioiodine treatment of thyroid carcinoma, Keldsen N; Mortensen BT; Hansen HS, Acta Oncol 1990; **29:** 1035

I-131 accumulation in gastric pull-up simulating pulmonary metastases on total-body scan for thyroid cancer, White JE; Flickinger FW; Morgan ME, Clin Nucl Med 1990; **15:** 809

immunoscintigraphic localization in a benign thyroid neoplasm of a monoclonal antibody directed against melanoma, Feggi L; Prandini N; Pansini G; et al, Clin Nucl Med 1991; **16:** 340

incidence of sporadic and familial medullary thyroid carcinoma in Sweden 1959 through 1981: a nationwide study in 126 patients, Bergholm U; Adami H-O; Telenius-Berg M; et al, Acta Oncol 1990; **29:** 9

insensitivity of Tc-99m pertechnetate for detecting metastases of differentiated thyroid carcinoma, Campbell CM; Khafagi FA, Clin Nucl Med 1990; **15:** 1

insular carcinoma: a distinct thyroid carcinoma with associated iodine-131 localization, Justin EP; Seabold JE; Robinson RA; et al, J Nucl Med 1991; **32:** 1358

intense Tl-201 uptake in a "cold" bone lesion due to metastatic thyroid carcinoma, Olmos RAV; Hoefnagel CA; Delprat CC, Clin Nucl Med 1990; **15:** 735

in vitro NMR evaluation of human thyroid lesions, Johnson M; Selinsky B; Davis M; et al, Invest Radiol 1989; **24:** 666

iodine-131 uptake in a patient with thyroid cancer and rheumatoid arthritis during acupuncture treatment, Otsuka N; Fukunaga M; Morita K; et al, Clin Nucl Med 1990; **15:** 29

^{131}I ovarian uptake in a whole-body scan for thyroid carcinoma, Zwas ST; Heyman Z; Lieberman LM, Semin Nucl Med 1989; **19:** 340

lymphoproliferative disorders of the thyroid gland: radiological appearances, Kasagi K; Hatabu H; Tokuda Y; et al, Br J Radiol 1991; **64:** 569

malignant transformation of a Hürthle cell tumor: case report and survey of the literature, McDonald RJ; Wu S-y; Jensen JL; et al, J Nucl Med 1991; **32:** 1266

medullary and papillary carcinomas occurring as a collision tumor: report of a case, Gero MJ; Lipper S; Chernys AE; et al, Clin Nucl Med 1989; **14:** 171

MR imaging of primary thyroid lymphoma, Takashima S; Ikezoe J; Morimoto S; et al, JCAT 1989; **13:** 517

nuclear DNA measurements on thyroid carcinoma in young patients, Ekman ET; Bäckdahl M; Löwhagen T; et al, Acta Oncol 1989; **28:** 475

occult anaplastic thyroid carcinoma associated with marked hypercalcemia, Takashima S; Morimoto S; Ikezoe J; et al, JCU 1990; **18:** 438

papillary thyroid carcinoma concentrating both Tc-99m sodium pertechnetate and I-131 iodide: case report and review of the literature, Tech KE; Davis L; Dworkin H, Clin Nucl Med 1991; **16:** 497

papillary thyroid carcinoma in Iceland: a study of the occurrence in families and the coexistence of other primary tumours, Hrafnkelsson J; Tulinius H; Jonasson JG; et al, Acta Oncol 1989; **28:** 785

pentavalent Tc-99m DMSA scintigraphy: prospective evaluation of its role in the management of patients with medullary carcinoma of the thyroid, Mojiminiyi OA; Udelsman R; Soper NDW; et al, Clin Nucl Med 1991; **16:** 259

pentavalent technetium-99m (V)-DMSA uptake in a pheochromocytoma in a patient with Sipple's syndrome, Adams BK; Fataar A; Byrne MJ; et al, J Nucl Med 1990; **31:** 106

primary thyroid lymphoma: comparison of CT and US assessment, Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F, Radiology 1989; **171:** 439

primary thyroid lymphoma: MR appearance, Shibata T; Noma S; Nakano Y; et al, JCAT 1991; 15: 629

radiation induced thyroid neoplasms 1920 to 1987: a vanishing problem?, Mehta MP; Goetowski PG; Kinsella TJ, Int J Radiat Oncol Biol Phys 1989; 16: 1471

radioactive handkerchief sign: a contamination artifact in I-131 imaging for metastatic thyroid carcinoma, Pochis WT; Krasnow AZ; Isitman AT; et al, Clin Nucl Med 1990; 15: 491

recurrent occult medullary thyroid carcinoma detected by MR imaging, Crow JP; Azar-Kia B; Prinz RA, AJR 1989; 152: 1255

response of medullary thyroid cancer to low-dose alpha-interferon therapy, Gröhn P; Kumpulainen E; Jakobsson M, Acta Oncol 1990; 29: 950

scintigraphic demonstration of ectopic autonomously functioning thyroid adenoma with normal cervical thyroid, Hardoff R; Baron E, Clin Nucl Med 1990; 15: 190

scope of false-positive iodine-131 images for thyroid carcinoma, Greenler DP; Klein HA, Clin Nucl Med 1989; 14: 111

second primary tumors following thyroid cancer: a Swedish record-linkage study, Hall P; Holm L-E; Lundell G, Acta Oncol 1990; 29: 869

sialadenitis mimicking metastatic thyroid carcinoma, Kolla IS; Alazraki NP; Watts NB, Clin Nucl Med 1989; 14: 564

surgical therapy for thyroid carcinoma: a review of 1249 solitary thyroid nodules, (ab), Brooks JR; Starnes HF; Brooks DC; et al, Radiology 1989; 172: 592

technetium-99m pentavalent DMSA imaging detects metastases of poorly differentiated carcinoma of the thyroid, Costa DC; Glynne-Jones R; Falzon M; et al, Clin Nucl Med 1989; 14: 218

thallium-201 scintigraphy in differentiated thyroid cancer: comparison with radioiodine scintigraphy and serum thyroglobulin determinations, Ramanna L; Waxman A; Braunstein G, J Nucl Med 1991; 32: 441

thallium-201 SPECT increases detectability of thyroid cancer metastases, Charkes ND; Vitti RA; Brooks K, J Nucl Med 1990; 31: 147

thyroglobulin level as a predictive factor of tumoral recurrence in differentiated thyroid cancer, Ruiz-Garcia J; Ruiz de Almodóvar JM; Olea N; et al, J Nucl Med 1991; 32: 395

thyroid carcinoma: a report of 206 cases from an area with endemic goitre, Sarda AK; Kapur MM, Acta Oncol 1990; 29: 863

thyroid carcinoma presenting as an autonomous thyroid nodule, Intenzo CM; Park CH; Cohen SN, Clin Nucl Med 1990; 15: 313

thyroid gland: US in patients with Hodgkin disease treated with radiation therapy in childhood, Stewart RR; David CL; Eftekhari F; Ried HL; Fuller LM; Fornage BD, Radiology 1989; 172: 159

thyroid gland: US screening in a random adult population, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1991; 181: 683

thyroid gland: US screening in middle-aged women with no previous thyroid disease, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1989; 173: 507

thyroid metastases: combined role of ultrasonography and fine needle aspiration biopsy, Eftekhari F; Peuchot M, JCU 1989; 17: 657

Tl-201 thyroid imaging in differentiating benign from malignant thyroid nodules, El-Desouki M, Clin Nucl Med 1991; 16: 425

value of post-therapy whole-body I-131 imaging in the evaluation of patients with thyroid carcinoma having undergone high-dose I-131 therapy, Spies WG; Wojtowicz CH; Spies SM; et al, Clin Nucl Med 1989; 14: 793

visualization of jugular vein on a thallium-201 scan for thyroid cancer, Nakano S; Hasegawa Y; Kuriyama K; et al, Clin Nucl Med 1989; 14: 449

Thyroid, radionuclide studies

can iodine-131 whole-body scan be replaced by thyroglobulin measurement in the post-surgical follow-up of differentiated thyroid carcinoma?, Ronga G; Fiorentino A; Paserio E; et al, J Nucl Med 1990; 31: 1766

comparison of technetium-99m and iodine-123 imaging of thyroid nodules: correlation with pathologic findings, Kusić Z; Becker DV; Saenger EL; et al, J Nucl Med 1990; 31: 393

differentiation between suppressed thyroid tissue and thyroid hemiagenesis with Tc-99m pertechnetate radionuclide angiography, Prakash R; Narayanan RV; Chakravarty SK, Clin Nucl Med 1990; 15: 605

discordant Tl-201 and Tc-99m imaging in a patient with thyroid carcinoma and Hashimoto's disease, Morita S; Ishibashi M; Hirayama T; et al, Clin Nucl Med 1990; 15: 612

endocrine imaging in the management of goiter and thyroid nodules: part I, Beierwaltes WH, J Nucl Med 1991; 32: 1455

estimation of 24-hour thyroid uptake of I-131 sodium iodide using a 5-minute uptake of technetium-99m pertechnetate, Smith JJ; Croft BY; Brookeman VA; et al, Clin Nucl Med 1990; 15: 80

false-positive Tc-99m pentavalent DMSA uptake in the imaging of medullary carcinoma of the thyroid, Lette J; Monier D; Ledoux R; et al, Clin Nucl Med 1991; 16: 136

fractionated doses of radioiodine for ablation of postsurgical thyroid tissue remnants, Arad E; Flannery K; Wilson GA; et al, Clin Nucl Med 1990; 15: 676

insensitivity of Tc-99m pertechnetate for detecting metastases of differentiated thyroid carcinoma, Campbell CM; Khafagi FA, Clin Nucl Med 1990; 15: 1

insular carcinoma: a distinct thyroid carcinoma with associated iodine-131 localization, Justin EP; Seabold JE; Robinson RA; et al, J Nucl Med 1991; 32: 1358

intense Tl-201 uptake in a "cold" bone lesion due to metastatic thyroid carcinoma, Olmos RAV; Hoefnagel CA; Delprat CC, Clin Nucl Med 1990; 15: 735

malignant transformation of a Hürthle cell tumor: case report and survey of the literature, McDonald RJ; Wu S-y; Jensen JL; et al, J Nucl Med 1991; 32: 1266

new perspectives for diagnosis of nodular goiter by technetium-thallium subtraction scanning, Katagiri M; Harada T; Fukunaga M; et al, Clin Nucl Med 1989; 14: 897

oblique views in thyroid imaging, Smith ML; Wraight EP, Clin Radiol 1989; 40: 505

occult candida thyroid abscess diagnosed by gallium-67 scanning, Bach MC; Blattner S, Clin Nucl Med 1990; 15: 395

papillary carcinoma in ectopic thyroid detected by Tl-201 scintigraphy, Michigishi T; Mizukami Y; Mura T; et al, Clin Nucl Med 1991; 16: 337

papillary thyroid carcinoma concentrating both Tc-99m sodium pertechnetate and I-131 iodide: case report and review of the literature, Tech KE; Davis L; Dworkin H, Clin Nucl Med 1991; 16: 497

pentavalent Tc-99m DMSA scintigraphy: prospective evaluation of its role in the management of patients with medullary carcinoma of the thyroid, Mojiminiyi OA; Udelsman R; Soper NDW; et al, Clin Nucl Med 1991; 16: 259

radioactive handkerchief sign: a contamination artifact in I-131 imaging for metastatic thyroid carcinoma, Pochis WT; Krasnow AZ; Isitman AT; et al, Clin Nucl Med 1990; 15: 491

radioimmunoscintigraphy using iodine-131-anti-CEA monoclonal antibodies and thallium-201 scintigraphy in medullary thyroid carcinoma: a case report, Zanin DEA; van Dongen A; Hoefnagel CA; et al, J Nucl Med 1990; 31: 1854

radioiodine uptake following iodine-131 therapy for Graves' disease: an early indicator of need for retreatment, Carpentier WR; Gilliland PF; Piziak VK; et al, Clin Nucl Med 1989; 14: 15

reverse discordant behavior and progressive filling of a cold nodule on Tc-99m pertechnetate thyroid imaging, Huot D; Ton-That QT; Le Bel L; et al, Clin Nucl Med 1990; 15: 5

scintigraphic endocrine mimicry, Gross MD; Shapiro B; Freitas JE, Clin Nucl Med 1990; 15: 457

scope of false-positive iodine-131 images for thyroid carcinoma, Greenler DP; Klein HA, Clin Nucl Med 1989; 14: 111

serendipitous diagnosis of hyperthyroidism with Tc-99m bone scan, Norbash AM; DeLong SR, Clin Nucl Med 1991; 16: 526

spindle cell sarcoma showing concentration of Tc-99m sodium pertechnetate and Tc-99m (V) DMSA, Halkar RK; Patel MC; Khammash NF, Clin Nucl Med 1990; 15: 126

technetium-99m pentavalent DMSA imaging detects metastases of poorly differentiated carcinoma of the thyroid, Costa DC; Glynne-Jones R; Falzon M; et al, Clin Nucl Med 1989; 14: 218

thallium-201 scintigraphy in differentiated thyroid cancer: comparison with radioiodine scintigraphy and serum thyroglobulin determinations, Ramanna L; Waxman A; Braunstein G, J Nucl Med 1991; 32: 441

thallium-201 SPECT increases detectability of thyroid cancer metastases, Charkes ND; Vitti RA; Brooks K, J Nucl Med 1990; 31: 147

thyroid imaging using positron emission tomography—a comparison with ultrasound imaging and conventional scintigraphy in thyrotoxicosis, Flower MA; Irvine AT; Ott RJ; et al, Br J Radiol 1990; 63: 325

thyrotoxicosis with low thyroidal uptake of radioiodine, Klonecke AS; Petersen MM; McDougall IR, Semin Nucl Med 1990; 20: 364

Tl-201 thyroid imaging in differentiating benign from malignant thyroid nodules, El-Desouki M, Clin Nucl Med 1991; 16: 425

transient cold nodule of the thyroid due to localized subacute thyroiditis, Hardoff R; Luboshitzky R, Clin Nucl Med 1989; 14: 919

treatment of autonomous thyroid nodules with percutaneous ethanol injection: preliminary results. work in progress, Livraghi T; Paracchi A; Ferrari C; Bergonzi M; Garavaglia G; Raineri P; Vettori C, Radiology 1990; 175: 827

unusual thyroid scintigrams in Plummer's disease during methimazole therapy: conversion of hot to hypofunctional nodules, Tamai H; Nagai K; Ishimoto J; et al, Clin Nucl Med 1990; 15: 465

value of post-therapy whole-body I-131 imaging in the evaluation of patients with thyroid carcinoma having undergone high-dose I-131 therapy, Spies WG; Wojtowicz CH; Spies SM; et al, Clin Nucl Med 1989; 14: 793

visualization of jugular vein on a thallium-201 scan for thyroid cancer, Nakano S; Hasegawa Y; Kuriyama K; et al, Clin Nucl Med 1989; 14: 449

visualization of suppressed thyroid tissue by technetium-99m-tertiary butyl isonitrile: an alternative to post-TSH stimulation scanning, Ramanathan P; Patel RB; Subrahmanyam N; et al, J Nucl Med 1990; 31: 1163

Thyroid, surgery

surgical therapy for thyroid carcinoma: a review of 1249 solitary thyroid nodules, (ab), Brooks JR; Starnes HF; Brooks DC; et al, Radiology 1989; 172: 592

Thyroid, therapeutic radiology

anaplastic thyroid carcinoma: doxorubicin, hyperfractionated radiotherapy and surgery, Tennvall J; Tallroth E; El Hassan A; et al, Acta Oncol 1990; 29: 1025

results of radiotherapy for thyroid ophthalmopathy, Sandler HM; Rubenstein JH; Fowble BL; et al, Int J Radiat Oncol Biol Phys 1989; 17: 823

Thyroid, US

appearance of thyroid diseases using colour-coded duplex sonography, Fobbe F; Finke R; Reichenstein E; et al, Eur J Radiol 1989; 9: 29

follicular thyroid carcinoma masquerading as subacute thyroiditis: diagnosis using ultrasonography and radionuclide thyroid angiography, Prakash R; Jayaram G; Singh RP, Australas Radiol 1991; 35: 174

normal volume of the thyroid gland in children, Ueda D, JCU 1990; 18: 455

primary thyroid lymphoma: comparison of CT and US assessment, Takashima S; Morimoto S; Ikezoe J; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T; Matsuzuka F, Radiology 1989; 171: 439

quantification and classification of echographic findings in the thyroid gland by computerized B-mode texture analysis, Hirning T; Zuna I; Schlaps D; et al, Eur J Radiol 1989; 9: 244

sonographic abnormalities of the thyroid gland in longterm survivors of Hodgkin disease, Soberman N; Leonidas JC; Cherrick I; et al, Pediatr Radiol 1991; 21: 250

sonography of subacute thyroiditis: changes in the findings during the course of the disease, Tokuda Y; Kasagi K; Iida Y; et al, JCU 1990; 18: 21

sudden change in the sonographic appearance of a thyroid cyst after percutaneous aspiration, Bolondi L; Zironi G; Gaiani S; et al, JCU 1989; 17: 213

thyroid gland: US in patients with Hodgkin disease treated with radiation therapy in childhood, Stewart RR; David CL; Eftekhari F; Ried HL; Fuller LM; Fornage BD, Radiology 1989; 172: 159

thyroid gland: US screening in a random adult population, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1991; 181: 683

thyroid gland: US screening in middle-aged women with no previous thyroid disease, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1989; 173: 507

thyroid metastases: combined role of ultrasonography and fine needle aspiration biopsy, Eftekhari F; Peuchot M, JCU 1989; 17: 657

treatment of autonomous thyroid nodules with percutaneous ethanol injection: preliminary results. work in progress, Livraghi T; Paracchi A; Ferrari C; Bergonzi M; Garavaglia G; Raineri P; Vettori C, Radiology 1990; 175: 827

ultrasonography of the thyroid during pregnancy, Brander A; Kivisaari L, JCU 1986; 17: 403

ultrasound appearances of De Quervain's thyroiditis, Birchall IWJ; Chow CC; Metreweli C, Clin Radiol 1990; 41: 57

Thyroiditis

acute suppurative thyroiditis associated with piriform sinus fistula: sonographic findings, Hatabu H; Kasagi K; Yamamoto K; et al, AJR 1990; 155: 845

case of the season, Liem MD, Semin Roentgenol 1990; 25: 285

congenital pyriform sinus fistula: a cause of acute left-sided suppurative throiditis and neck abscess in children, Lucaya J; Berdon WE; Enriquez G; et al, Pediatr Radiol 1990; 21: 27

Hashimoto's thyroiditis presenting as hot and cold nodules, Sulimani RA; El-Desouki M, Clin Nucl Med 1990; 15: 315

sonography of subacute thyroiditis: changes in the findings during the course of the disease, Tokuda Y; Kasagi K; Iida Y; et al, JCU 1990; 18: 21

subacute thyroiditis: a review of 105 cases, Kitchener MI; Chapman IM, Clin Nucl Med 1989; 14: 439

thyroid gland: US screening in a random adult population, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1991; 181: 683

thyroid gland: US screening in middle-aged women with no previous thyroid disease, Brander A; Viikinkoski P; Nickels J; Kivisaari L, Radiology 1989; 173: 507

thyrotoxicosis with low thyroidal uptake of radioiodine, Klonecke AS; Petersen MM; McDougall IR, Semin Nucl Med 1990; 20: 364

transient cold nodule of the thyroid due to localized subacute thyroiditis, Hardoff R; Luboshitzky R, Clin Nucl Med 1989; 14: 919

ultrasound appearances of De Quervain's thyroiditis, Birchall IWJ; Chow CC; Metreweli C, Clin Radiol 1990; 41: 57

Tibia

case report 543, Abdelwahab IF; Hermann G; Zawin J; et al, Skeletal Radiol 1989; 18: 249

case report 555, Dungan DH; Seeger LL; Mirra JM, Skeletal Radiol 1989; 18: 385

case report 604, Resnik CS; Young JWR; Levine AM; et al, Skeletal Radiol 1990; 19: 217

case report 611, Burnstein MI; De Smet AA; Hafez GR; et al, Skeletal Radiol 1990; 19: 294

Tibia, abnormalities

assessment of tibial torsion employing fluoroscopy, computed tomography and the cryosectioning technique, Clementz B-G; Magnusson A, Acta Radiol 1989; 30: 75

case report 527, Gold RH; Mirra JM; Remotti F; et al, Skeletal Radiol 1989; 18: 129

case report 552, Lagier R, Skeletal Radiol 1989; 18: 331

focal fibrocartilaginous dysplasia associated with tibia vara, Herman TE; Siegel MJ; McAlister WH, Radiology 1990; 177: 767

minor tibial duplication: a new cause of congenital bowing of the tibia, Adamsbaum C; Kalifa G; Seringe R; et al, Pediatr Radiol 1991; 21: 185

radiographic features of bone lengthening procedures, Vade A; Eissenstat R, Radiology 1990; 174: 531

Tibia, CT

assessment of tibial torsion employing fluoroscopy, computed tomography and the cryosectioning technique, Clementz B-G; Magnusson A, Acta Radiol 1989; 30: 75

focal fibrocartilaginous dysplasia associated with tibia vara, Herman TE; Siegel MJ; McAlister WH, Radiology 1990; 177: 767

giant cell tumor of the proximal tibia: MR and CT appearance, Tehranzadeh J; Murphy BJ; Mnaymneh W, JCAT 1989; 13: 282

longitudinal stress fractures of the tibia: diagnosis with CT, Goupille P; Giraudet-Le Quintrec J-S; Job-Deslandre C; Menkes C-J, Radiology 1989; 171: 583

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; 172: 811

Tibia, fractures

avulsion of the posteromedial tibial plateau by the semimembranosus tendon: diagnosis with MR imaging, Yao L; Lee JK, Radiology 1989; 172: 513

case report 624, Schultz E, Skeletal Radiol 1990; 19: 391

growth plate fracture: an acute fracture of the proximal tibia with a photopenic defect on bone scintigraphy, Wegener WA; Heyman S, Clin Nucl Med 1990; 15: 447

healing of closed tibial shaft fractures: the natural history of union with closed treatment, (ab), Oni OOA; Hui A; Gregg PJ, Radiology 1989; 172: 294

lateral tibial rim (segond) fractures: MR imaging characteristics, Weber WN; Neumann CH; Barakos JA; Peterson SA; Steinbach LS; Genant HK, Radiology 1991; 180: 731

longitudinal stress fractures of the tibia: diagnosis with CT, Goupille P; Giraudet-Le Quintrec J-S; Job-Deslandre C; Menkes C-J, Radiology 1989; 171: 583

magnetic resonance imaging in the evaluation of sequelae after tibial plateau fractures, Jensen DB; Johansen TP; Bjerg-Nielsen A; et al, Skeletal Radiol 1990; 19: 127

MRI demonstration of radiographically occult fractures: what have we been missing?, Berger PE; Ofstein RA; Jackson DW; Morrison DS; Silvino N; Amador R, Radiographics 1989; 9: 407

occult posttraumatic osteochondral lesions of the knee: prevalence, classification, and short-term sequelae evaluated with MR imaging, Vellet AD; Marks PH; Fowler PJ; Munro TG, Radiology 1991; 178: 271

radiologic assessment of bones after Ilizarov procedures, Young JWR; Kovelman H; Resnik CS; Paley D, Radiology 1990; 177: 89

Tillaux fractures of the tibia in (adolescents), Felman AH, Pediatr Radiol 1989; 20: 87

Tibia, MR

giant cell tumor of the proximal tibia: MR and CT appearance, Tehranzadeh J; Murphy BJ; Mnaymneh W, JCAT 1989; 13: 282

lateral tibial rim (segond) fractures: MR imaging characteristics, Weber WN; Neumann CH; Barakos JA; Peterson SA; Steinbach LS; Genant HK, Radiology 1991; 180: 731

magnetic resonance imaging in the evaluation of sequelae after tibial plateau fractures, Jensen DB; Johansen TP; Bjerg-Nielsen A; et al, Skeletal Radiol 1990; 19: 127

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; 172: 811

posttraumatic growth-plate abnormalities: MR imaging of bony-bridge formation in rabbits, Jaramillo D; Shapiro F; Hoffer FA; Winalski CS; Koskinen MF; Frasso R; Johnson A, Radiology 1990; 175: 767

Tibia, neoplasms

case report 503, Wuisman P; Roessner A; Härle A; et al, Skeletal Radiol 1989; 17: 592

case report 560, Baum PA; Nelson MC; Lack EE; et al, Skeletal Radiol 1989; 18: 406

case report 585, Anderson RB; McAlister JA; Wrenn RN, Skeletal Radiol 1989; 18: 627

case report 587, Adler C-P, Skeletal Radiol 1990; 19: 55

case report 660, Young JWR; Aisner SC; Resnik CS; et al, Skeletal Radiol 1991; 20: 152

fibrous dysplasia vs adamantinoma of the tibia: differentiation based on discriminant analysis of clinical and plain film findings, Bloem JL; van der Heul RO; Schuttevaer HM; et al, AJR 1991; 156: 1017

giant cell tumor of the proximal tibia: MR and CT appearance, Tehranzadeh J; Murphy BJ; Mnaymneh W, JCAT 1989; 13: 282

osteosarcoma: use of MR imaging and MR spectroscopy in clinical decision making, Redmond OM; Stack JP; Dervan PA; Hurson BJ; Carney DN; Ennis JT, Radiology 1989; 172: 811

Tissue-type plasminogen activator

comparison between heparin and low-dose aspirin as adjunctive therapy with tissue plasminogen activator for acute myocardial infarction, (ab), Hsia J; Hamilton WP; Kleiman N; et al, JVIR 1991; 2: 294

comparison of urokinase and tissue plasminogen activator for thrombolysis in rats, Maginot TJ; Sadove AM; Jones C, Invest Radiol 1991; 26: 46

rapid localization of indium-111-labeled inhibited recombinant tissue plasminogen activator in a rabbit thrombosis model, Butler SP; Kader KL; Owen J; et al, J Nucl Med 1991; 32: 461

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; 175: 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; 178: 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; 178: 284

tissue plasminogen activator reduces brain injury in a rabbit model of thromboembolic stroke, (ab), Bednar MM; McAuliffe T; Raymond S; et al, JVIR 1991; 2: 422

Toes

See Fingers and toes

Tomography

See also Computed tomography (CT)

conventional tomography in musculoskeletal trauma, Ho CP; Sartoris DJ; Resnick D, Radiol Clin North Am 1989; 27: 929

cross sectional medical imaging: a history, Hendee WR, Radiographics 1989; 9: 1155

digital tomosynthesis: phantom and patient studies with a prototype unit, Rimkus DS; Gill BM; Baily NA; et al, Comput Med Imag Graph 1989; 13: 307

rheumatic disease of the temporomandibular joint: MR imaging and tomographic manifestations, Larheim TA; Smith H-J; Aspestrand F, Radiology 1990; 175: 527

Tomography, radionuclide
clinical evaluation of a high-resolution (2.6-mm) positron emission tomograph, Valk PE; Jagust WJ; Derenzo SE; Huesman RH; Geyer AB; Budinger TF, Radiology 1990; **176:** 783
quantification of three-dimensional left ventricular segmental wall motion and volumes from gated tomographic radionuclide ventriculograms, Faber TL; Stokely EM; Templeton GH; et al, J Nucl Med 1989; **30:** 638
three-dimensional techniques and artificial intelligence in thallium-201 cardiac imaging, DePuey EG; Garcia EV; Ezquerra NF, AJR 1989; **152:** 1161

Tomography, technology
development of a high-resolution digital tomosynthesis system and its clinical application, Sone S; Kasuga T; Sakai F; Aoki J; Izuno I; Tanizaki Y; Shigeta H; Shibata K, Radiographics 1991; **11:** 807
sagittal tomography in the supine patient, Nakanishi T; Okayama A; Fujikawa T; Mukae H; Hashida M; Yamauchi S; Ueda K; Yokoyama T, Radiology 1989; **171:** 574
thallium-201 myocardial tomography with a rotating slant-hole collimator and a large number of projections, Dale S; Bone D, J Nucl Med 1990; **31:** 1682
tomography using a rotating slant-hole collimator and a large number of projections, Dale S; Bone D, J Nucl Med 1990; **31:** 1675

Tongue, CT
computed tomographic scanning in patients with carcinoma of the tongue, Cooke J; Parsons C, Clin Radiol 1989; **40:** 254
CT scanning in patients following surgery on the tongue and floor of mouth, Cooke J; Morrison G; Keyserlingk J; et al, Clin Radiol 1990; **41:** 306
normal CT anatomy of the tongue, floor of mouth and oropharynx, Stutley J; Cooke J; Parsons C, Clin Radiol 1989; **40:** 248

Tongue, MR
aggressive fibromatosis of the tongue: MR demonstration, Chen PC; Ball WS Jr; Towbin RB, JCAT 1989; **13:** 343
evaluation of functional positions of tongue and soft palate with MR imaging: initial clinical results, Wein BB; Drobnitzky M; Klajman S; Angerstein W, JMRI 1991; **1:** 361
MR imaging of the vocal tract during vowel production, Lakshminarayanan AV; Lee S; McCutcheon MJ, JMRI 1991; **1:** 71
MR-imaging with Gd-DTPA in carcinomas of tongue, oro- and hypopharynx, Einspieler R; Ebner F; Posawetz W; et al, Eur J Radiol 1991; **13:** 21
MRI of the floor of the mouth, tongue and orohypopharynx, Kassel EE; Keller MA; Kucharczyk W, Radiol Clin North Am 1989; **27:** 331
neurilemoma of the tongue: MR findings, Flickinger FW; Lozano RL; Yuh WTC; et al, JCAT 1989; **13:** 886
squamous cell carcinoma of the tongue associated with Fanconi's anemia: MR characteristics, Murayama S; Manzo RP; Kirkpatrick DV; et al, Pediatr Radiol 1990; **20:** 347
tongue cancer: correlation of MR imaging and sonography with pathology, Takashima S; Ikezoe J; Harada K; et al, AJNR 1989; **10:** 419

Tongue, neoplasms
aggressive fibromatosis of the tongue: MR demonstration, Chen PC; Ball WS Jr; Towbin RB, JCAT 1989; **13:** 343
computed tomographic scanning in patients with carcinoma of the tongue, Cooke J; Parsons C, Clin Radiol 1989; **40:** 254
CT scanning in patients following surgery on the tongue and floor of mouth, Cooke J; Morrison G; Keyserlingk J; et al, Clin Radiol 1990; **41:** 306
external irradiation plus curietherapy boost in 108 base of tongue carcinomas, Lusinchi A; Eskandari J; Son Y; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1191
influence of extent of neck treatment upon control of cervical lymphadenopathy in cancers of the oral tongue, Spaulding CA; Korb LJ; Constable WC; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 577
is interstitial implantation essential for successful radiotherapeutic treatment of base of tongue carcinoma?, Foote RL; Parsons JT; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1293
neurilemoma of the tongue: MR findings, Flickinger FW; Lozano RL; Yuh WTC; et al, JCAT 1989; **13:** 886
paravertebral muscle metastases from primary tongue and nasopharyngeal carcinomas, Elkowitz SS; Patel M; Hirschfield LS, Clin Radiol 1991; **43:** 400
primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267
primary radiotherapy in the treatment of stage I and II oral tongue cancers: importance of the proportion of therapy delivered with interstitial therapy, Wendt CD; Peters LJ; Delclos L; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1287
prognostic factors of local outcome for T1, T2 carcinomas of oral tongue treated by iridium 192 implantation, Mazeron JJ; Crook JM; Marinello G; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 281
radiotherapeutic management and results of T1N0, T2N0 carcinoma of the oral tongue: evaluation of boost techniques, Wang CC, Int J Radiat Oncol Biol Phys 1989; **17:** 287
second carcinoma of the anterior two-thirds of the tongue after successful radiotherapy to the tongue, Ono I; Ebihara S; Egawa S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 773
sonographic staging of cancer of the mobile tongue, Ikezoe J; Nakanishi K; Morimoto S; et al, Acta Radiol 1991; **32:** 6
split course interstitial brachytherapy with a source shift: the results of a new iridium implant technique versus single course implants for salvage irradiation of base of tongue cancers in 55 patients, Housset M; Baillet F; Delanian S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 965
squamous cell carcinoma of the base of the tongue: results of treatment in 115 cases, Calais G; Reynaud-Bougnoux A; Bougnoux P; et al, Br J Radiol 1989; **62:** 849
squamous cell carcinoma of the tongue associated with Fanconi's anemia: MR characteristics, Murayama S; Manzo RP; Kirkpatrick DV; et al, Pediatr Radiol 1990; **20:** 347
surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607
tongue cancer: correlation of MR imaging and sonography with pathology, Takashima S; Ikezoe J; Harada K; et al, AJNR 1989; **10:** 419

Tongue, therapeutic radiology
brachytherapy as part of the definitive management of squamous cancer of the base of tongue, Harrison LB; Sessions RB; Strong EW; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1309
discriminant analysis on the treatment results of interstitial radium tongue implants, Hoshina M; Shibuya H; Horiuchi J-I; et al, Br J Radiol 1989; **62:** 59
external irradiation plus curietherapy boost in 108 base of tongue carcinomas, Lusinchi A; Eskandari J; Son Y; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1191
iridium 192 implantation of T1 and T2 carcinomas of the mobile tongue, Mazeron JJ; Crook JM; Benck V; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1369
is interstitial implantation essential for successful radiotherapeutic treatment of base of tongue carcinoma?, Foote RL; Parsons JT; Mendenhall WM; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1293
primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267
primary radiotherapy in the treatment of stage I and II oral tongue cancers: importance of the proportion of therapy delivered with interstitial therapy, Wendt CD; Peters LJ; Delclos L; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1287
radiotherapeutic management and results of T1N0, T2N0 carcinoma of the oral tongue: evaluation of boost techniques, Wang CC, Int J Radiat Oncol Biol Phys 1989; **17:** 287
second carcinoma of the anterior two-thirds of the tongue after successful radiotherapy to the tongue, Ono I; Ebihara S; Egawa S; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 773
split course interstitial brachytherapy with a source shift: the results of a new iridium implant technique versus single course implants for salvage irradiation of base of tongue cancers in 55 patients, Housset M; Baillet F; Delanian S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 965
squamous cell carcinoma of the base of the tongue: results of treatment in 115 cases, Calais G; Reynaud-Bougnoux A; Bougnoux P; et al, Br J Radiol 1989; **62:** 849
squamous cell carcinoma of the tongue: the results of a new iridium implant technique versus single course implants for salvage irradiation of base of tongue cancers in 55 patients, Housset M; Baillet F; Delanian S; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 965

Tongue, US
sonographic staging of cancer of the mobile tongue, Ikezoe J; Nakanishi K; Morimoto S; et al, Acta Radiol 1991; **32:** 6
tongue cancer: correlation of MR imaging and sonography with pathology, Takashima S; Ikezoe J; Harada K; et al, AJNR 1989; **10:** 419

Tonsils, neoplasms
exclusive radiation therapy: the treatment of early tonsillar tumors, Lusinchi A; Wibault P; Marandas P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 273
surgeon looks at cervical lymph nodes, Johnson JT, Radiology 1990; **175:** 607

Tonsils, therapeutic radiology
exclusive radiation therapy: the treatment of early tonsillar tumors, Lusinchi A; Wibault P; Marandas P; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 273

Total-body irradiation
16,16-dimethyl prostaglandin E2 and/or syngeneic bone marrow transplantation increase mouse survival after supra-lethal total body irradiation, Berk LB; Patrene KD; Boggs SS, Int J Radiat Oncol Biol Phys 1990; **18:** 1387
adjunctive therapy (whole body hyperthermia versus lonidamine) to total body irradiation for the treatment of favorable B-cell neoplasms: a report of two pilot clinical trials and laboratory investigations, Robins HI; Longo WL; Steeves RA; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 909
alteration of cardiac myosin isozymes after whole-body irradiation, Litten RZ; Walden TL; Gainey GT; et al, Br J Radiol 1989; **62:** 189
calculation and measurements of absorbed dose in total body irradiation, Svahn-Tapper G; Nilsson P; Jönsson C; et al, Acta Oncol 1990; **29:** 627
calculation of lung shielding for total body irradiation, El-Khatib EE; Valcourt S, Int J Radiat Oncol Biol Phys 1989; **17:** 1099
combined total body x-ray irradiation and total skin electron beam radiotherapy with an improved technique for mycosis fungoides, Halberg FE; Fu KK; Weaver KA; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 427
comparison of two total body irradiation regimens in allogeneic bone marrow transplantation for acute non-lymphoblastic leukemia in first remission, Kim TH; McGlave PB; Ramsay N; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 889
enhancement of murine bone marrow ablation by combining whole body hyperthermia with total body irradiation and cyclophosphamide, Mivechi NF; Ogilvie PD, Int J Radiat Oncol Biol Phys 1989; **17:** 117
fractionated total body irradiation and bone marrow transplantation in acute lymphoblastic leukemia, Altschuler C; Resbeut M; Blaise D; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1151
hepatic function and drug pharmacokinetics after total body irradiation plus bone marrow transplant, Moulder JE; Fish BL; Holcenberg JS; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1389
I-131 accumulation in gastric pull-up simulating pulmonary metastases on total-body scan for thyroid cancer, White JE; Flickinger FW; Morgan ME, Clin Nucl Med 1990; **15:** 809

immunologic changes after loco-regional radiotherapy and fractionated total body irradiation (TBI) in mice, de Ruysscher D; Waer M; Vandeputte M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1237

influence of the fractionation of total body irradiation on complications and relapse rate for chronic myelogenous leukemia, Socie G; Devergie A; Girinsky T; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 397

late tissue-specific toxicity of total body irradiation and busulfan in a murine bone marrow transplant model, Down JD; Berman AJ; Warhol M; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 109

late toxicity of total body irradiation with bone marrow transplantation in a rat model, Moulder JE; Fish BL, Int J Radiat Oncol Biol Phys 1989; **16:** 1501

low dose total body irradiation: a potent anti-retroviral agent *in vivo*, Shen R-N; Hornback NB; Lu L; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 165

physical aspects of total body irradiation of bone marrow transplant patients using 18 MV X rays, Niroomand-Rad A, Int J Radiat Oncol Biol Phys 1991; **20:** 605

prospective evaluation of pulmonary function in cancer patients treated with total body irradiation, high-dose melphalan, and autologous hematopoietic stem cell transplantation, Gandola L; Siena S; Bregni M; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 743

simple dose calculation method for total body photon irradiation, Curran WJ Jr; Galvin JM; D'Angio GJ, Int J Radiat Oncol Biol Phys 1989; **17:** 219

subclinical pulmonary function defects following autologous and allogeneic bone marrow transplantation: relationship to total body irradiation and graft-versus-host disease, Tait RC; Burnett AK; Robertson AG; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1219

technical modifications in hyperfractionated total body irradiation for T-lymphocyte deplete bone marrow transplant, Lawton CA; Barber-Derus S; Murray KJ; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 319

technique for delivery of total body irradiation for bone marrow transplantation in adults and adolescents, Breneman JC; Elson HR; Little R; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1233

tissue air ratio in total body irradiation: an in vivo evaluation, Scarpati D; Mancini G; Corvò R; et al, Acta Oncol 1989; **28:** 283

total body irradiation in acute myeloid leukemia and chronic myelogenous leukemia: influence of dose and dose-rate on leukemia relapse, Scarpati D; Frassoni F; Vitale V; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 547

total body irradiation regimens for marrow grafting, Thomas ED, Int J Radiat Oncol Biol Phys 1990; **19:** 1285

total body irradiation stand for bone marrow transplant patients, Glasgow GP; Wang S; Stanton J, Int J Radiat Oncol Biol Phys 1989; **16:** 875

Toxoplasmosis

acquired immunodeficiency syndrome: correlation of radiologic and pathologic findings in the brain, Balakrishnan J; Becker PS; Kumar AJ; Zinreich SJ; McArthur JC; Bryan RN, Radiographics 1990; **10:** 201

focal brain lesions on computed tomography in patients with acquired immune deficiency syndrome, Harrison PB; Clarke SD; Silver SF, J Canad Assoc Radiol 1990; **41:** 83

Ga-67 citrate myocardial uptake in a patient with AIDS, toxoplasmosis, and myocarditis, Memel DS; DeRogatis AJ; William DC, Clin Nucl Med 1991; **16:** 315

primary central nervous system lymphoma versus toxoplasmosis in AIDS, Dina TS, Radiology 1991; **179:** 823

toxoplasmic myelitis in AIDS: gadolinium-enhanced MR, Harris TM; Smith RR; Bognanno JR; et al, JCAT 1990; **14:** 809

toxoplasmosis of the stomach: a cause of antral narrowing, Smart PE; Weinfeld A; Thompson NF; Defortuna SM, Radiology 1990; **174:** 369

Trachea, abnormalities

acquired tracheomegaly in adults as a complication of diffuse pulmonary fibrosis, Woodring JH; Barrett PA; Rehm SR; et al, AJR 1989; **152:** 743

case report: complete laryngotracheoesophageal cleft: CT diagnosis and associated abnormalities, Wilkinson AG; Mackenzie S; Hendry GMA, Clin Radiol 1990; **41:** 437

case report: tracheobronchomegaly in association with ankylosing spondylitis, Padley S; Varma N; Flower CDR, Clin Radiol 1991; **43:** 139

congenital tracheobronchomegaly (Mounier-Kuhn syndrome): a report of 10 cases and review of the literature, Woodring JH; Howard RS II; Rehm SR, J Thorac Imag 1991; **6-2:** 1

CT appearance of lunate trachea, Lomasney L; Bergin CJ; Lomasney J; et al, JCAT 1989; **13:** 520

demonstration on computed tomography of tracheomalacia in tracheobronchomegaly (Mounier-Kuhn syndrome), Doyle AJ, Br J Radiol 1989; **62:** 176

position of the trachea in infants and children with right aortic arch, Strife JL; Matsumoto J; Bisset GS III; et al, Pediatr Radiol 1989; **19:** 226

radiographic manifestations of congenital anomalies affecting the airway, Carpenter BLM; Merten DF, Radiol Clin North Am 1991; **29:** 219

tracheobronchial calcification: an observation in three children after mitral valve replacement and warfarin sodium therapy, Taybi H; Capitanio MA, Radiology 1990; **176:** 728

tracheobronchial calcification in members of a fixed population sample, Fukuya T; Mihara F; Kudo S; et al, Acta Radiol 1989; **30:** 277

tracheomegaly in children, Karsh S; Mahboubi S, Clin Imag 1989; **13:** 77

Trachea, compression

postpneumonectomy syndrome after left lung resection, Quillin SP; Shackelford GD, Radiology 1991; **179:** 100

tracheal compression and the innominate artery: MR evaluation in infants, Fletcher BD; Cohn RC, Radiology 1989; **170:** 103

Trachea, CT

airway evaluation in children with use of ultrafast CT: pitfalls and recommendations, Brody AS; Kuhn JP; Seidel FG; Brodsky LS, Radiology 1991; **178:** 181

calcification of the intrathoracic trachea demonstrated by computed tomography, Lloyd DC; Taylor PM, Br J Radiol 1990; **63:** 31

CT appearance of lunate trachea, Lomasney L; Bergin CJ; Lomasney J; et al, JCAT 1989; **13:** 520

CT measurement of the tracheal lumen in children and adolescents, Griscom NT, AJR 1991; **156:** 371

CT of the airways, Davis SD; Maldjian C; Perone RW; et al, Clin Imag 1990; **14:** 280

demonstration on computed tomography of tracheomalacia in tracheobronchomegaly (Mounier-Kuhn syndrome), Doyle AJ, Br J Radiol 1989; **62:** 176

postpneumonectomy syndrome after left lung resection, Quillin SP; Shackelford GD, Radiology 1991; **179:** 100

trachea and esophagus after repair of esophageal atresia and distal fistula: computed tomographic observations, Griscom NT; Martin TR, Pediatr Radiol 1990; **20:** 447

Trachea, diseases

airway evaluation in children with use of ultrafast CT: pitfalls and recommendations, Brody AS; Kuhn JP; Seidel FG; Brodsky LS, Radiology 1991; **178:** 181

tracheal compression and the innominate artery: MR evaluation in infants, Fletcher BD; Cohn RC, Radiology 1989; **170:** 103

Trachea, injuries

tears of the trachea and main bronchi caused by blunt trauma: radiologic findings, Unger JM; Schuchmann GG; Grossman JE; et al, AJR 1989; **153:** 1175

tracheobronchial rupture due to blunt chest trauma: a follow-up study, (ab), Taskinen SO; Salo JA; Halttunen EA; et al, Radiology 1990; **176:** 588

Trachea, interventional procedure

endotracheal expandable metallic stent placement in dogs, Sawada S; Tanabe Y; Fujiwara Y; et al, Acta Radiol 1991; **32:** 79

massive gastric distention in the intubated patient: a marker for a defective airway, (ab), Tessler S; Kupfer Y; Lerman A; et al, Radiology 1990; **176:** 294

radiographic detection of esophageal malpositioning of endotracheal tubes, Smith GM; Reed JC; Choplin RH, AJR 1990; **154:** 23

self-expanding stainless steel endotracheal stents: an animal study, Rauber K; Franke C; Rau WS, Cardiovasc Intervent Radiol 1989; **12:** 274

tubes in the alimentary and respiratory tracts: appearances on CT scans of the head and neck, Price DB, AJR 1991; **156:** 1047

Trachea, MR

MRI in tracheal stenosis by innominate artery in children, Vogl TJ; Wilimzig C; Hofmann U; et al, Pediatr Radiol 1991; **21:** 89

tracheal compression and the innominate artery: MR evaluation in infants, Fletcher BD; Cohn RC, Radiology 1989; **170:** 103

Trachea, neoplasms

CT/MR correlation in the evaluation of tracheobronchial neoplasia, Naidich DP, Radiol Clin North Am 1990; **28:** 555

direct coronal CT scanning of tracheo-bronchial, pulmonary and thoraco-abdominal lesions in children, Bar-Ziv J; Solomon A, Pediatr Radiol 1990; **20:** 245

malignant fibrous histiocytoma of the trachea, (ab), Randleman CD; Unger ER; Mansour KA, Radiology 1991; **179:** 292

malignant neoplasms of the trachea, Morency G; Chalaoui J; Samson L; et al, J Canad Assoc Radiol 1989; **40:** 198

primary malignant tumors of the trachea: a radiologic and clinical study, (ab), Li W; Ellerbroek NA; Libshitz HI, Radiology 1991; **178:** 897

primary tracheal tumors: treatment and results, (ab), Grillo HC; Mathisen DJ, Radiology 1990; **176:** 886

Trachea, stenosis or obstruction

airway evaluation in children with use of ultrafast CT: pitfalls and recommendations, Brody AS; Kuhn JP; Seidel FG; Brodsky LS, Radiology 1991; **178:** 181

laryngospasm-induced pulmonary edema, Szucs RA; Floyd HL, Radiology 1989; **170:** 446

MRI in tracheal stenosis by innominate artery in children, Vogl TJ; Wilimzig C; Hofmann U; et al, Pediatr Radiol 1991; **21:** 89

self-expanding stainless steel endotracheal stents: an animal study, Rauber K; Franke C; Rau WS, Cardiovasc Intervent Radiol 1989; **12:** 274

tracheal stenosis in the sick premature infant: clinical and radiological features, (ab), Hauft SM; Perlman JM; Siegel MJ; et al, Radiology 1989; **170:** 294

Transluminal angioplasty

See Arteries, transluminal angioplasty; Veins, transluminal angioplasty

Transposition of great vessels

comparison of magnetic resonance imaging with echocardiography and radionuclide angiography in assessing cardiac function and anatomy following Mustard's operation for transposition of the great arteries, (ab), Rees S; Somerville J; Warnes C; et al, Radiology 1989; **170:** 293

early results of treatment of simple transposition in the current era, (ab), Castaneda AR; Trusler GA; Paul MH; et al, Radiology 1989; **170:** 294

MR imaging of congenitally corrected transposition of the great vessels in adults, Park JH; Han MC; Kim C-W, AJR 1989; **153:** 491

perfusion lung scan in patients operated for transposition of the great arteries, Houzard C; Andre M; Guilhen S; et al, Clin Nucl Med 1989; **14:** 268

thallium myocardial scintigraphy in congenitally-corrected transposition of the great arteries, Bajwa N; Bianco JA; Stone CK, J Nucl Med 1991; **32:** 1611

Trauma

arteriogenic impotence: findings in 195 impotent men examined with selective internal pudendal angiography: young investigator's award, Rosen MP; Greenfield AJ; Walker TG; Grant P; Guben JK; Dubrow J; Bettmann MA; Goldstein I, Radiology 1990; **174:** 1043

arteriography with portable DSA equipment, King JN; Orrison WW; Keck GM; Demarest GB; Hinson JE; Sell JJ, Radiology 1989; 172: 1023

blunt splenic injuries: nonsurgical treatment with CT, arteriography, and transcatheter arterial embolization of the splenic artery, Sclafani SJA; Weisberg A; Scalea TM; Phillips TF; Duncan AO, Radiology 1991; 181: 189

blunt splenic trauma and the angiographer: will we go back to the future?, Rees CR, Radiology 1991; 181: 12

bowel and mesenteric injury following blunt abdominal trauma: evaluation with CT, Rizzo MJ; Federle MP; Griffiths BG, Radiology 1989; 173: 143

cervical spine hyperextension injuries: MR findings, Davis SJ; Teresi LM; Bradley WG Jr; Ziemba MA; Bloze AE, Radiology 1991; 180: 245

changes in splenic size after abdominal trauma, Goodman LR; Aprahamian C, Radiology 1990; 176: 629

clinical radionuclide bone imaging, Holder LE, Radiology 1990; 176: 607

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; 180: 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Raptopoulos V; Fink MP, Radiology 1991; 180: 309

CT grading of splenic trauma in adults: how the same statistics can be interpreted differently, Umlas S-L; Cronan JJ, Radiology 1991; 180: 310

gunshot wounds: 1. bullets, ballistics, and mechanisms of injury, Hollerman JJ; Fackler ML; Coldwell DM; et al, AJR 1990; 155: 685

gunshot wounds: 2. radiology, Hollerman JJ; Fackler ML; Coldwell DM; et al, AJR 1990; 155: 691

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; 172: 297

is arterial proximity a valid indication for arteriography in penetrating extremity trauma? a prospective analysis, (ab), Weaver FA; Yellin AE; Bauer M; et al, Radiology 1991; 179: 295

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP; Yee CA; Van Horn DD; Kim HS; Colletti PM, Radiology 1990; 175: 855

metallic ballistic fragments: MR imaging safety and artifacts, Teitelbaum GP, Radiology 1990; 177: 883

MR imaging of firearm projectiles, Lufkin RB, Radiology 1991; 179: 285

nerve root avulsion of birth palsy: comparison of myelography with CT myelography and somatosensory evoked potential, Hashimoto T; Mitomo M; Hirabuki N; Miura T; Kawai R; Nakamura H; Kawai H; Ono K; Kozuka T, Radiology 1991; 178: 841

orbital fractures: surface coil MR imaging, Tonami H; Yamamoto I; Matsuda M; Tamamura H; Yokota H; Nakagawa T; Takarada A; Okimura T, Radiology 1991; 179: 789

posterior abdominal stab wounds: role of CT evaluation, Fletcher TB; Setiawan H; Harrell RS; Redman HC, Radiology 1989; 173: 621

proposed new mechanism of traumatic aortic rupture: the osseous pinch, Crass JR; Cohen AM; Motta AO; Tomashefski JF Jr; Wiesen EJ, Radiology 1990; 176: 645

protocol-driven radiologic evaluation of suspected cervical spine injury: efficacy study, Mirvis SE; Diaconis JN; Chirico PA; Reiner BI; Joslyn JN; Militello P, Radiology 1989; 170: 831

regulation of cutaneous wound healing by growth factors and the microenvironment, Knighton DR; Fiegel VD, Invest Radiol 1991; 26: 604

safety and efficacy of transcatheter embolization of axillary and shoulder arterial injuries, Levey DS; Teitelbaum GP; Finck EJ; Pentecost MJ, JVIR 1991; 2: 99

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; 174: 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; 174: 896

splenic trauma: can CT grading systems enable prediction of successful nonsurgical treatment?, Umlas S-L; Cronan JJ, Radiology 1991; 178: 481

splenic trauma in adults: impact of CT grading on management, Scatamacchia SA; Raptopoulos V; Fink MP; Silva WE, Radiology 1989; 171: 725

stab wounds to the neck: role of angiography, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, Radiology 1989; 172: 79

thoracic aortic trauma: role of dynamic CT, Madayag MA; Kirshenbaum KJ; Nadimpalli SR; Fantus RJ; Cavallino RP; Crystal GJ, Radiology 1991; 179: 853

Treatment planning

3-D beams need 3-D names, Sailer SL; Bourland JD; Rosenman JG; et al, Int J Radiat Oncol Biol Phys 1990; 19: 797

AAPM symposium on basic physics: quality assurance in external beam radiation therapy, Svensson GK, Radiographics 1989; 9: 169

advanced head and neck cancer: low-dose, split-course radiation therapy and simultaneous infusion of 5-fluorouracil and cisplatin, Stryker JA; Harvey HA; Houck JR; Manders EK; Bradfield JJ, Radiology 1990; 176: 567

advances in treatment planning dosimetry for a high energy neutron beam, Blake SW, Br J Radiol 1991; 64: 341

application of dose volume histograms to the treatment of intrahepatic malignancies with radiation therapy, Lawrence TS; Tesser RJ; Ten Haken RK, Int J Radiat Oncol Biol Phys 1990; 19: 1041

asymmetric field arc rotations, Palta JR; Ayyangar KM; Suntharalingam N; et al, Br J Radiol 1989; 62: 927

beam's eye view based prostate treatment planning: is it useful?, Low NN; Vijayakumar S; Rosenberg I; et al, Int J Radiat Oncol Biol Phys 1990; 19: 759

can simulation measurements be used to predict the irradiated lung volume in the tangential fields in patients treated for breast cancer?, Bornstein BA; Cheng CW; Rhodes LM; et al, Int J Radiat Oncol Biol Phys 1990; 18: 181

cerebral metastases: value of reirradiation in selected patients, Cooper JS; Steinfeld AD; Lerch IA, Radiology 1990; 174: 883

clinical three-dimensional treatment planning studies: a prologue, Photon Treatment Planning Collaborative Working Group, Int J Radiat Oncol Biol Phys 1991; 21: 165

clinical use of a wing field with transmission block for the treatment of the pelvis including the inguinal node, Kalend AM; Park TL; Wu A; et al, Int J Radiat Oncol Biol Phys 1990; 19: 153

comparison of automated and manual shielding block fabrication, Weeks KJ; Fraass BA; McShan DL; et al, Int J Radiat Oncol Biol Phys 1989; 16: 501

compensation in three-dimensional non-coplanar treatment planning, Kutcher GJ; Burman C; Mohan R, Int J Radiat Oncol Biol Phys 1991; 20: 127

computer assisted treatment planning for ^{125}I ophthalmic plaque radiotherapy, Ling CC; Chen GTY; Boothby JW; et al, Int J Radiat Oncol Biol Phys 1989; 17: 405

CT-based computerized treatment planning system for I-125 stereotactic brain implants, Weaver K; Smith V; Lewis JD; et al, Int J Radiat Oncol Biol Phys 1990; 18: 445

CT-based optimized planning for transperineal prostate implant with customized template, Roy JN; Wallner KE; Chiu-Tsao S-T; et al, Int J Radiat Oncol Biol Phys 1991; 21: 483

CT-compatible version of the Fletcher system intracavitary applicator: clinical application and 3-dimensional treatment planning, Schoeppel SL; Fraass BA; Hopkins MP; et al, Int J Radiat Oncol Biol Phys 1989; 17: 1103

CT scanning for definitive radiotherapy planning of prostate cancer: necessity or nicety?, Hamilton CS; Joseph DJ; Skov A; et al, Australas Radiol 1990; 34: 288

decreasing gastrointestinal morbidity with the use of small bowel contrast during treatment planning for pelvic irradiation, Herbert SH; Curran WJ Jr; Solin LJ; et al, Int J Radiat Oncol Biol Phys 1991; 20: 835

development of computer algorithms for radiation treatment planning, Cunningham JR, Int J Radiat Oncol Biol Phys 1989; 16: 1367

digital subtraction angiography (IV DSA) in treatment planning of subdiaphragmatic Hodgkin's disease, Pötter R; Sciuk J; Haverkamp U, Int J Radiat Oncol Biol Phys 1989; 17: 389

digital tumor fluoroscopy (DTF)—a new direct imaging system in the therapy planning for brain tumors, Herbst M; Fröder M, Int J Radiat Oncol Biol Phys 1990; 18: 221

dose-volume histograms, Drzymala RE; Mohan R; Brewster L; et al, Int J Radiat Oncol Biol Phys 1991; 21: 71

dosimetry and physical treatment planning for iodine eye plaque therapy, Alberti W; Pothmann B; Tabor P; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1087

evaluation of radiosurgery techniques with cumulative dose volume histograms in linac-based stereotactic external beam irradiation, Schell MC; Smith V; Larson DA; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1325

evaluation of volumetric differences through 3-dimensional display of distance of closest approach, Stracher MA; Goitein M; Rowell D, Int J Radiat Oncol Biol Phys 1989; 17: 1095

fitting of normal tissue tolerance data to an analytic function, Burman C; Kutcher GJ; Emami B; et al, Int J Radiat Oncol Biol Phys 1991; 21: 123

full integration of the beam's eye view concept into computerized treatment planning, McShan DL; Fraass BA; Lichter AS, Int J Radiat Oncol Biol Phys 1990; 18: 1485

histogram reduction method for calculating complication probabilities for three-dimensional treatment planning evaluations, Kutcher GJ; Burman C; Brewster L; et al, Int J Radiat Oncol Biol Phys 1991; 21: 137

how to draw irregular radiation beams in 3-D treatment plans, Jacky JP; Kalet IJ, Comput Med Imag Graph 1990; 14: 97

image correlation of MRI and CT in treatment planning for radiosurgery of intracranial vascular malformations, Phillips MH; Kessler M; Chuang FYS; et al, Int J Radiat Oncol Biol Phys 1991; 20: 881

image correlation techniques in radiation therapy treatment planning, Chen GTY; Pelizzari CA, Comput Med Imag Graph 1989; 13: 235

influence of dose constraint point placement on optimized radiation therapy treatment planning, Morrill SM; Rosen II; Lane RG; et al, Int J Radiat Oncol Biol Phys 1990; 19: 129

interactive system for point dose optimization, Starkschall G; Henkelmann GC; Ang KK, Int J Radiat Oncol Biol Phys 1990; 18: 957

interactive treatment planning system for ophthalmic plaque radiotherapy, Astrahan MA; Luxton G; Jozsef G; et al, Int J Radiat Oncol Biol Phys 1990; 18: 679

interinstitutional experience in verification of external photon dose calculations, Masterson ME; Barest G; Chui C-S; et al, Int J Radiat Oncol Biol Phys 1991; 21: 37

inverse problem in radiation therapy, Barth NH, Int J Radiat Oncol Biol Phys 1990; 18: 425

large scale optimization of beam weights under dose-volume restrictions, Langer M; Brown R; Urie M; et al, Int J Radiat Oncol Biol Phys 1990; 18: 887

limited small cell lung cancer: prognostic significance of a complete response to the induction phase of chemotherapy followed by thoracic irradiation, Armstrong JG; Rosenstein MM; Scher HI; Fass DE; Zelefsky MJ; Kris MG, Radiology 1991; 178: 875

MR technique for localization and verification procedures in episcleral brachytherapy, Houdek PV; Schwade JG; Medina AJ; et al, Int J Radiat Oncol Biol Phys 1989; 17: 1111

numerical scoring of treatment plans, Munzenrider JE; Brown AP; Chu JCH; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 147
objective evaluation of alternative treatment plans: II. score functions, Shalev S; Viggars D; Carey M; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1067
on-line radiotherapy imaging with an array of fiber-optic image reducers, Wong JW; Binns WR; Cheng AY; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1477
optimization of radiation therapy, IV: a dose-volume histogram reduction algorithm, Lyman JT; Wolbarst AB, Int J Radiat Oncol Biol Phys 1989; **17:** 433
photon beam energy deposition kernels for inverse radiotherapy planning, Eklöf A; Ahnesjö A; Brahme A, Acta Oncol 1990; **29:** 447
physical aspects of external beam radiotherapy for the treatment of malignant pleural mesothelioma, Soubra M; Dunscombe PB; Hodson DI; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1521
planning of radiotherapy for patients with hip prosthesis, Erlanson M; Franzén L; Henriksson R; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1093
portable virtual simulator, Sherouse GW; Chaney EL, Int J Radiat Oncol Biol Phys 1991; **21:** 475
portal dose images II: patient dose estimation, Ying X; Geer LY; Wong JW, Int J Radiat Oncol Biol Phys 1990; **18:** 1465
portal dose images I: quantitative treatment plan verification, Wong JW; Slessinger ED; Hermes RE; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1455
primary advanced and local recurrent head and neck tumors: effective management with interstitial thermal radiation therapy, Seegenschmiedt MH; Sauer R; Fietkau R; Karlsson UL; Brady LW, Radiology 1990; **176:** 267
prostate cancer: retrograde urethrography to improve treatment planning for radiation therapy, Schild SE; Buskirk SJ; Robinow JS, Radiology 1991; **181:** 885
proton therapy for carcinoma of the nasopharynx: a study in comparative treatment planning, Brown AP; Urie MM; Chisin R; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1607
radiation therapy treatment planning in supratentorial glioblastoma multiforme: an analysis based on post mortem topographic anatomy with CT correlations, Halperin EC; Bentel G; Heinz ER; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1347
radiation transport calculations in treatment planning, Williamson JF, Comput Med Imag Graph 1989; **13:** 251
remote site treatment planning, Curran B, Comput Med Imag Graph 1989; **13:** 275
role of inhomogeneity corrections in three-dimensional photon treatment planning, Photon Treatment Planning Collaborative Working Group, Int J Radiat Oncol Biol Phys 1991; **21:** 59
role of uncertainty analysis in treatment planning, Urie MM; Goitein M; Doppke K; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 91
semi-automated radiotherapy treatment planning with a mathematical model to satisfy treatment goals, Powlis WD; Altschuler MD; Censor Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 271
simulating blocks in treatment planning calculations, Fontenla DP; Kutcher GJ; LoSasso TJ, Int J Radiat Oncol Biol Phys 1989; **16:** 867
state-of-the-art of external photon beam radiation treatment planning, Photon Treatment Planning Collaborative Working Group, Int J Radiat Oncol Biol Phys 1991; **21:** 9
structure–function analysis of angiotensin-converting enzyme inhibitors as modifiers of radiation-induced pulmonary endothelial dysfunction in rats, Ward WF; Molteni A; Kim YT; et al, Br J Radiol 1989; **62:** 348
testing a 3-D radiation therapy planning program, Jacky J; White CP, Int J Radiat Oncol Biol Phys 1990; **18:** 253
three-dimensional display in planning radiation therapy: a clinical perspective, Photon Treatment Planning Collaborative Working Group, Int J Radiat Oncol Biol Phys 1991; **21:** 79
three-dimensional display techniques in radiation therapy treatment planning, Rosenman J; Sherouse GW; Fuchs H; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 263
three-dimensional dose calculations for radiation treatment planning, Photon Treatment Planning Collaborative Working Group, Int J Radiat Oncol Biol Phys 1991; **21:** 25
three-dimensional photon radiotherapy planning for laryngeal and hypopharyngeal tumours, Esik O; Schlegel W; Doll J; et al, Acta Oncol 1990; **29:** 439
three-dimensional photon treatment planning for carcinoma of the nasopharynx, Kutcher GJ; Fuks Z; Brenner H; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 169
three-dimensional photon treatment planning for Hodgkin's disease, Brown AP; Urie MM; Barest G; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 205
three-dimensional photon treatment planning in carcinoma of the larynx, Coia L; Galvin J; Sontag M; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 183
three-dimensional photon treatment planning of the intact breast, Solin LJ; Chu JCH; Sontag MR; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 193
three-dimensional treatment planning considerations for prostate cancer, Simpson JR; Purdy JA; Manolis JM; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 243
three-dimensional treatment planning for lung cancer, Emami B; Purdy JA; Manolis J; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 217
three-dimensional treatment planning for para-aortic node irradiation in patients with cervical cancer, Munzenrider JE; Doppke KP; Brown AP; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 229
three-dimensional treatment planning for postoperative treatment of rectal carcinoma, Shank B; LoSasso T; Brewster L; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 253
three-dimensional treatment planning of astrocytomas: a dosimetric study of cerebral irradiation, Thornton AF Jr; Hegarty TJ; Ten Haken RK; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1309
three-dimensional volume visualization package applied to stereotactic radiosurgery treatment planning, Gehring MA; Mackie TR; Kubsad SS; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 491
tolerance of normal tissue to therapeutic irradiation, Emami B; Lyman J; Brown A; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 109
treatment planning for ferromagnetic seed heating, Chin RB; Stauffer PR, Int J Radiat Oncol Biol Phys 1991; **21:** 431
treatment planning for gamma knife radiosurgery with multiple isocenters, Flickinger JC; Lunsford LD; Wu A; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1495
treatment planning for internal radionuclide therapy: three-dimensional dosimetry for nonuniformly distributed radionuclides, Sgouros G; Barest G; Thekkumthala J; et al, J Nucl Med 1990; **31:** 1884
treatment planning for permanent and temporary percutaneous implants with custom made templates, Osian AD; Anderson LL; Linares LA; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 219
treatment planning for protocol-based radiation therapy, Hahn P; Shalev S; Viggars D; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 937
treatment planning for stereotactic radiosurgery of intra-cranial lesions, Kooy HM; Nedzi LA; Loeffler JS; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 683
treatment planning issues related to prostate movement in response to differential filling of the rectum and bladder, Ten Haken RK; Forman JD; Heimburger DK; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 1317
treatment planning of template-guided stereotaxic brain implants, Lulu BA; Lutz W; Stea B; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 951
use of lymphoscintigraphy in treatment planning of primary breast cancer, Hunt MA; Shank B; McCormick B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 597
value of treatment planning using CT and an immobilizing shell in radiotherapy for paranasal sinus carcinomas, Tsujii H; Kamada T; Matsuoka Y; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 243
verification of an inverse problem in radiation therapy, Kooy HM; Barth NH, Int J Radiat Oncol Biol Phys 1990; **18:** 433
virtual simulation: initial clinical results, Rosenman J; Sailer SL; Sherouse GW; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 843
virtual simulation in the clinical setting: some practical considerations, Sherouse GW; Bourland JD; Reynolds K; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1059

Tricuspid valve
duplex Doppler sonography of the hepatic vein in tricuspid regurgitation, Abu-Yousef MM, AJR 1991; **156:** 79
potential role of MR imaging in the diagnostic management of Ebstein anomaly in a newborn, Kastler B; Livolsi A; Zhu H; et al, JCAT 1990; **14:** 825
successful balloon valvotomy in isolated congenital tricuspid stenosis, Lokhandwala YY; Rajani RM; Dalvi BV; et al, Cardiovasc Intervent Radiol 1990; **13:** 354
ultrasound case of the day, Lee RA; Lewis BD, Radiographics 1990; **10:** 369

Tricuspid valve, abnormalities
course of tricuspid atresia in the Fontan era, (ab), Tam CKH; Lightfoot NE; Finlay CD; et al, Radiology 1989; **173:** 589
detection of tricuspid regurgitation by Tc-99m DTPA renal scintigraphy, Spiegler EJ; Ratliff C Jr; Gillilan R, Clin Nucl Med 1991; **16:** 92
pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; **174:** 51
simple, rapid method for quantification of tricuspid regurgitation by two-dimensional echocardiography, (ab), Fisher EA; Goldman ME, Radiology 1990; **174:** 293

Trisomy 13
femur length in the US prediction of trisomy 21 and other chromosomal abnormalities, Grist TM; Fuller RW; Albiez KL; Bowie JD, Radiology 1990; **174:** 837

Trisomy 18
choroid plexus cysts and chromosomal defects, Thorpe-Beeston JG; Gosden CM; Nicolaides KH, Br J Radiol 1990; **63:** 783
femur length in the US prediction of trisomy 21 and other chromosomal abnormalities, Grist TM; Fuller RW; Albiez KL; Bowie JD, Radiology 1990; **174:** 837
fetal choroid plexus cysts: a report of 100 cases, Ostlere SJ; Irving HC; Lilford RJ, Radiology 1990; **175:** 753

Trisomy 21
See Down syndrome

Tuberculosis
case of the month: common symptom: uncommon cause, Tung KT; Wilson GF, Br J Radiol 1989; **62:** 1029
case report 654, Frankel DG; Daffner RH; Wang SE, Skeletal Radiol 1991; **20:** 130
case report: tuberculous hepatic and splenic abscess, Wilde CC; Kueh YK, Clin Radiol 1991; **43:** 215
case report: ultrasound detection of tuberculomas of the spleen, Kapoor R; Jain AK; Chaturvedi U; et al, Clin Radiol 1991; **43:** 128
changing epidemiology of tuberculosis and other mycobacterial infections in the United States: implications for the radiologist, Buckner CB; Leithiser RE; Walker CW; et al, AJR 1991; **156:** 255
computed tomography of esophagomediastinal fistula in tuberculous mediastinal lymphadenitis, Im J-G; Kim JH; Ha MC; et al, JCAT 1990; **14:** 89
CT appearance in tuberculous pancreatic abscess, Cho KC; Lucak SL; Delany HM; et al, JCAT 1990; **14:** 152
disseminated lymphatic tuberculosis in acquired immunodeficiency syndrome: computed tomography findings, Perich J; Ayuso MC; Vilana R; et al, J Canad Assoc Radiol 1990; **41:** 353
esophageal fistulas associated with mycobacterial infection in patients at risk for AIDS, de Silva R; Stoopack PM; Raufman J-P, Radiology 1990; **175:** 449

extrapulmonary tuberculosis in the United States, (ab), Rieder HL; Snider DE Jr; Cauthen GM, Radiology 1990; **177:** 596

tuberculous peritonitis: ultrasonic diagnosis, Akhan O; Demirkazik FB; Demirkazik A; et al, JCU 1990; **18:** 711

tuberculous splenic abscess: sonographic detection and follow-up, Wu CC; Chow K-S; Lü T-N; et al, JCU 1990; **18:** 205

Tuberculosis, central nervous system

brain-stem tuberculoma: an analysis of 11 patients, (ab), Talamás O; Del Brutto OH; Garcia-Ramos G, Radiology 1989; **173:** 294

computed tomography of intracranial tuberculosis, Jinkins JR, Neuroradiol 1991; **33:** 126

contast-enhanced MR imaging of tuberculous pachymeningitis cranialis hypertrophica: case report, Callebaut J; Dormont D; Dubois B; et al, AJNR 1990; **11:** 821

demonstration of intramedullary tuberculomas by magnetic resonance imaging: a report of two cases, Jena A; Banerji AK; Tripathi RP; et al, Br J Radiol 1991; **64:** 555

Gd-DTPA enhanced MR imaging in intracranial tuberculosis, Chang K-H; Han M-H; Roh J-K; et al, Neuroradiol 1990; **32:** 19

intracranial tuberculoma: MR imaging, Salgado P; Del Brutto OH; Talamás O; et al, Neuroradiol 1989; **31:** 299

intracranial tuberculosis in children: CT appearance and clinical outcome, Wallace RC; Burton EM; Barrett FF; et al, Pediatr Radiol 1991; **21:** 241

tuberculous arachnoiditis of the spine: findings on myelography, CT, and MR imaging, Chang KH; Han MH; Choi YW; et al, AJNR 1989; **10:** 1255

tuberculous brain infection located in an old cerebral infarct: CT changes with successful conservative therapy, Shintani S; Kamaki M; Motohashi N; et al, Neuroradiol 1990; **32:** 156

Tuberculosis, gastrointestinal

abdominal tuberculosis in children: CT findings, Denath FM, Gastrointest Radiol 1990; **15:** 303

case of the month: an unusual cause of abdominal pain, Wong-You-Cheong J, Br J Radiol 1990; **63:** 981

hepatosplenic tuberculosis with hypersplenism: CT evaluation, Choi BI; Im J-G; Han MC; et al, Gastrointest Radiol 1989; **14:** 265

ileocecal tuberculosis: CT and radiologic evaluation, Balthazar EJ; Gordon RB; Hulnick DH, AJR 1990; **154:** 499

isolated giant tuberculomata of the liver detected by computed tomography, Chan HS; Pang J, Gastrointest Radiol 1989; **14:** 305

macronodular hepatic tuberculosis in a child: computed tomographic appearances, Moskovic E, Br J Radiol 1990; **63:** 656

primary macronodular hepatic tuberculosis: US and CT appearances, Levine C, Gastrointest Radiol 1990; **15:** 307

radiological diagnosis and management of a solitary tuberculous hepatic abscess, Reed DH; Nash AF; Valabhji P, Br J Radiol 1990; **63:** 902

radionuclide scintigraphy in tuberculous enteritis, Pettengell K; Garb M; Houlder A; et al, Gastrointest Radiol 1990; **15:** 148

single tuberculous stricture in the jejunum: report of 2 cases, Fukuya T; Yoshimitsu K; Kitagawa S; et al, Gastrointest Radiol 1989; **14:** 300

sonography and computed tomography of macroscopic tuberculosis of the liver, Brauner M; Buffard MD; Jeantils V; et al, JCU 1989; **17:** 563

tuberculous fistulas of the pharynx and esophagus, Ramakantan R; Shah P, Gastrointest Radiol 1990; **15:** 145

US and CT findings in biliary obstruction due to tuberculous adenitis in the periportal area: 2 cases, Pombo F; Soler R; Arrojo L; et al, Eur J Radiol 1989; **9:** 71

Tuberculosis, genitourinary

extrarenal genitourinary tuberculosis: CT appearance of calcified pipe-stem ureter and seminal vesicle abscess, Birnbaum BA; Friedman JP; Lubat E; et al, JCAT 1990; **14:** 653

tuberculosis of the prostate: CT appearance, Wang J-H; Chang T, JCAT 1991; **15:** 269

tuberculous abscess of the testicle in AIDS: sonographic demonstration, Goodman P; Maklad NF; Verani RR; et al, Urol Radiol 1990; **12:** 53

tuberculous epididymo-orchitis: sonographic findings, Chung T; Harris RD, JCU 1991; **19:** 367

Tuberculosis, pulmonary

abnormal gallium-67 citrate imaging in tuberculosis appearing like sarcoidosis, Sotomayor JL; Kuhns LR, Clin Nucl Med 1989; **14:** 294

anterior segment upper lobe tuberculosis in the adult: occurrence in primary and reactivation disease, (ab), Spencer D; Yagan R; Blinkhorn R; et al, Radiology 1990; **176:** 588

apical opacity associated with pulmonary tuberculosis: high-resolution CT findings, Im J-G; Webb WR; Han MC; Park JH, Radiology 1991; **178:** 727

case of "false-positive" high probability ventilation-perfusion lung scan due to tuberculous mediastinal adenopathy with a discussion of other causes of "false-positive" high probability ventilation-perfusion lung scans, Palevsky HI; Cone L; Alavi A, J Nucl Med 1991; **32:** 512

chest roentgenogram in pulmonary tuberculosis: new data on an old test, (ab), Barnes PF; Verdegem TD; Vachon LA; et al, Radiology 1989; **170:** 288

chest roentgenogram in pulmonary tuberculosis patients seropositive for human immunodeficiency virus type I, (ab), Long R; Maycher B; Scalcini M; et al, Radiology 1991; **179:** 883

computed tomography of bronchiectasis in association with tuberculosis, Shin MS; Ho K-J, Clin Imag 1989; **13:** 36

CT features of thoracic mycobacterial disease, Kuhlman JE; Deutsch JH; Fishman EK; Siegelman SS, Radiographics 1990; **10:** 413

dysphagia due to mediastinal fibrosis in advanced pulmonary tuberculosis, Ramakantan R; Shah P, AJR 1990; **154:** 61

endobronchial tuberculosis: CT features, Lee KS; Kim YH; Kim WS; et al, JCAT 1991; **15:** 424

increased incidence of pulmonary tuberculosis in chronic interstitial lung disease, (ab), Schachor Y; Schindler D; Siegal A; et al, Radiology 1989; **172:** 883

malignancy associated with chronic empyema: radiologic assessment, Minami M; Kawauchi N; Yoshikawa K; Itai Y; Kokubo T; Iguchi M; Masuyama S; Takeuchi K; Iio M, Radiology 1991; **178:** 417

microbiology, chemotherapy, and surgical treatment of tuberculosis, Boyars MC, J Thorac Imag 1990; **5-2:** 1

pathology and pathophysiology of mycobacterial infections, Haque AK, J Thorac Imag 1990; **5-2:** 8

pulmonary tuberculosis in patients with acquired immunodeficiency syndrome, Goodman PC, J Thorac Imag 1990; **5-2:** 38

radiographic findings in pulmonary tuberculosis: the influence of human immunodeficiency virus infection, Gutiérrez J; Miralles R; Coll J; et al, Eur J Radiol 1991; **12:** 234

radiologic manifestations of adult tuberculosis, Buckner CB; Walker CW, J Thorac Imag 1990; **5-2:** 28

reactivation of tuberculosis in a donor lung after transplantation, Carlsen SE; Bergin CJ, AJR 1990; **154:** 495

real-time ultrasound evaluation of tuberculous pleural effusions, Martínez OC; Serrano BV; Romero RR, JCU 1989; **17:** 407

solitary pulmonary nodule: high-resolution CT and radiologic-pathologic correlation, Zwirewich CV; Vedal S; Miller RR; Müller NL, Radiology 1991; **179:** 469

thoracic complications of tuberculosis, Winer-Muram HT; Rubin SA, J Thorac Imag 1990; **5-2:** 46

transcatheter occlusion of pulmonary arterial circulation and collateral supply: failures, incidents, and complications, Remy-Jardin M; Wattinne L; Remy J, Radiology 1991; **180:** 699

tuberculosis in infants and children, Stansberry SD, J Thorac Imag 1990; **5-2:** 17

tuberculostearic acid assay in the diagnosis of sputum smear-negative pulmonary tuberculosis: a prospective study of bronchoscopic aspirate and lavage specimens, (ab), Pang JA; Chan HS; Chan CY; et al, Radiology 1990; **175:** 588

tuberculous bronchial stenosis: CT findings in 28 cases, Choe KO; Jeong HJ; Sohn HY, AJR 1990; **155:** 971

tuberculous empyema necessitatis: computed tomography findings, Glicklich M; Mendelson DS; Gendal ES; et al, Clin Imag 1990; **14:** 23

unusual pattern of lung uptake of technetium-99m sulfur colloid seen on the liver scan of a patient with pulmonary tuberculosis, Stewart CA; Hung G-L; Siegel ME; et al, Clin Nucl Med 1989; **14:** 271

Tuberculosis, skeletal

atypical case of Pott's disease, Mansberg VJ; Rowe LJ; Walker C, Australas Radiol 1991; **35:** 191

atypical radiographic appearances of tuberculous granulomas of bone, Abdelwahab IF; Norman A; Hermann G; et al, J Canad Assoc Radiol 1990; **41:** 72

atypical skeletal tuberculosis mimicking neoplasm, Abdelwahab IF; Kenan S; Hermann G; et al, Br J Radiol 1991; **64:** 551

case report 513, Rajah R, Skeletal Radiol 1989; **17:** 601

case report 528, Abdelwahab IF; Lewis MM; Klein MJ; et al, Skeletal Radiol 1989; **18:** 133

case report 533, Nielsen FF; Helmig O; de Carvalho A, Skeletal Radiol 1989; **18:** 153

case report: tuberculosis of the spine—an unusual presentation, Monaghan D; Gupta A; Barrington NA, Clin Radiol 1991; **43:** 360

case report: tuberculous dactylitis in childhood: the need for continued vigilance, Clarke JA, Clin Radiol 1990; **42:** 287

echographic evaluation of tubercular abscesses in lumbar spondylitis, Rubaltelli L; De Gerone E; Caterino G, J Ultrasound Med 1990; **9:** 67

granulomatous spinal infections: MR imaging, Sharif HS; Clark DC; Aabed MY; Haddad MC; Al Deeb SM; Yaqub B; Al Moutaery KR, Radiology 1990; **177:** 101

osteo-articular tuberculosis: a radiological study in a Malaysian hospital, Rathakrishnan V; Mohd TH, Skeletal Radiol 1989; **18:** 267

posterior spinal tuberculosis: a case report, Ragland RL; Abdelwahab IF; Braffman B; et al, AJNR 1990; **11:** 612

primary mediastinal tuberculous abscess: demonstration with MR, Gupta RK; Sharma BK; Jena A; et al, Pediatr Radiol 1989; **19:** 330

sellar abscess associated with tuberculous osteomyelitis of the skull: MR findings, Gupta RK; Jena A; Sharma A, AJNR 1989; **10:** 448

tuberculosis of the patella, Shah P; Ramakantan R, Br J Radiol 1990; **63:** 363

vertebral arch destruction in tuberculosis: CT features, Lin-Greenberg A; Cholankeril J, JCAT 1990; **14:** 300

young female with knee pain, Point SW; Aruny JE; Logsdon G, Invest Radiol 1990; **25:** 295

Tuberous sclerosis

See Sclerosis, tuberous

Tumoral calcinosis

See Calcium

Turner syndrome

See Chromosomes, abnormalities

Twins

disparity of amniotic fluid volume and fetal size: problem of the stuck twin—US studies, Patten RM; Mack LA; Harvey D; Cyr DR; Pretorius DH, Radiology 1989; **172:** 153

evaluation of fetal growth by ultrasonography in twin pregnancy: a comparison between individual and cross-sectional growth curve standards, Simon NV; Deter RL; Hassinger KK; et al, JCU 1989; **17:** 633

individual growth curve standards in twins: growth in the second trimester, Stefos T; Deter RL; Hill RM; et al, JCU 1989; **17:** 641

prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: I. the fetal head, Reece EA; Yarkoni S; Abdalla M; et al, J Ultrasound Med 1991; **10:** 439

prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: II. the fetal limbs, Reece EA; Yarkoni S; Abdalla M; et al, J Ultrasound Med 1991; **10:** 445

single-needle insertion in twin amniocentesis, Jeanty P; Shah D; Roussis P, J Ultrasound Med 1990; **9:** 511

sonography of multiple gestations, Benson CB; Doubilet PM, Radiol Clin North Am 1990; **28:** 149

twin-twin transfusion syndrome: sonographic findings, Brown DL; Benson CB; Driscoll SG; Doubilet PM, Radiology 1989; **170:** 61

ultrasound of multiple gestations, Benson CB; Doubilet PM, Semin Roentgenol 1991; **26:** 50

Twins, abnormalities

cephalothoracopagus janiceps disymmetros twinning, Nolan R; Ling F; Langlotz H; et al, J Ultrasound Med 1990; **9:** 593

cholescintigraphy for assessing the separation potential of thoracoomphalopagus twins, Oddo SM; Ziessman HA, Clin Nucl Med 1990; **15:** 243

conjoined twins: prenatal diagnosis and assessment of associated malformations, Barth RA; Filly RA; Goldberg JD; Moore P; Silverman NH, Radiology 1990; **177:** 201

cystic encephalomalacia in twin embolization syndrome, Caballero P; Del Campo L; Ocón E, Radiology 1991; **178:** 892

Doppler demonstration of reversed umbilical blood flow in an acardiac twin, Benson CB; Bieber FR; Genest DR; et al, JCU 1989; **17:** 291

fetal intracranial hemorrhage and periventricular leukomalacia: complications of twin-twin transfusion, Hurst RW; Abbitt PL, AJNR 1989; **10:** S62

intrauterine fetal growth in discordant twin gestations, Rodis JF; Vintzileos AM; Campbell WA; et al, J Ultrasound Med 1990; **9:** 443

monochorionic twinning: sonographic assessment, Filly RA; Goldstein RB; Callen PW, AJR 1990; **154:** 459

observation of hepatobiliary systems in joined twins by Tc-99m EHIDA, Urgancioğlu I; Kapicioğlu T; Vardareli E; et al, Clin Nucl Med 1990; **15:** 273

prenatally diagnosed gastroschisis in monozygotic twins, Gorczyca DP; Lindfors KK; Giles KA; et al, JCU 1989; **17:** 216

preoperative CT and MR imaging of ischiopagus twins, Donaldson JS; Luck SR; Vogelzang R, JCAT 1990; **14:** 643

preoperative sonographic diagnosis of a unilateral tubal twin gestation with documented fetal heart activity, Sherer DM; Liberto L; Woods JR Jr, J Ultrasound Med 1990; **9:** 729

sonographic evidence of fetal hydrothorax after in-utero death of monozygotic twin, Yancey MK; Brady K; Read JA; et al, JCU 1991; **19:** 162

sonographic findings in a twin with congenital fetal volvulus, Alvarez M; Lasker MR; Friedman F Jr; et al, JCU 1991; **19:** 98

transvaginal Doppler sonographic diagnosis of an acardiac twin at 12 weeks gestation, Langlotz H; Sauerbrei E; Murray S, J Ultrasound Med 1991; **10:** 175

value of sonography in acute encephalomalacia, Hernanz-Schulman M, Radiology 1991; **180:** 880

value of sonography in acute encephalomalacia: reply, Caballero P, Radiology 1991; **180:** 880

U

Ulcer

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Ulna

fractures of the coronoid process of the ulna, (ab), Regan W; Morrey B, Radiology 1990; **175:** 592

transphyseal linear ossific striations of the distal radius and ulna, Ogden JA, Skeletal Radiol 1990; **19:** 173

Ultrasound (US)

See also under names of organs and regions, such as Heart, US studies

cross sectional medical imaging: a history, Hendee WR, Radiographics 1989; **9:** 1155

diagnostic ultrasound equipment: safety and dosimetry, Thijssen JM; van Beekum WT; Daniëls O; et al, Eur J Radiol 1989; **9:** 51

improved coupling of ultrasound hyperthermia applicators to patients, Oleson JR; Samulski TV, Int J Radiat Oncol Biol Phys 1989; **16:** 609

level 1, level 2, level 3 obstetric sonography: I'll see your level and raise you one, Filly RA, Radiology 1989; **172:** 312

radiology residency training in diagnostic sonography, Filly RA, J Ultrasound Med 1989; **8:** 475

recognition for sonographers, Berman MC, Radiology 1990; **174:** 577

recognition for sonographers: reply, Filly RA, Radiology 1990; **174:** 578

risk of *Staphylococcus aureus* transmission during ultrasound investigation, O'Doherty AJ; Murphy PG; Curran RA, J Ultrasound Med 1989; **8:** 619

seeing with sound, Leopold GR, Radiology 1990; **175:** 23

tale of a whale, Radiology Radiology 1991; **179:** 414

ultrasound for the repeated localization of a soft tissue expander injection port in a pediatric patient, Egerszegi EP; Babyn P; Zuker RM, J Ultrasound Med 1990; **9:** 111

ultrasound in Bangladesh, Taher MA, JCU 1990; **18:** 683

ultrasound safety: what are the issues?, Merritt CRB, Radiology 1989; **173:** 304

Ultrasound (US), artifact

acoustic artifacts and reverberation shadows in gallbladder sonograms: their cause and clinical implications, Franquet T; Bescos JM; Barberena J; et al, Gastrointest Radiol 1990; **15:** 223

acoustic prism causing sonographic duplication artifact in the upper abdomen, Vandeman FN; Meilstrup JW; Nealey PA, Invest Radiol 1990; **25:** 658

aortic wall: an in vitro study of the double-line pattern in high-resolution US, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1990; **175:** 387

artifacts in urinary tract ultrasonography, Rosenfield AT, Urol Radiol 1991; **12:** 228

carotid ghost: a color Doppler ultrasound duplication artifact, (ab), Middleton WD; Melson GL, JVIR 1991; **2:** 301

carotid ghost: a color Doppler ultrasound duplication artifact, Middleton WD; Melson GL, J Ultrasound Med 1990; **9:** 487

clinical evaluation of a digital signal-processing device for real-time speckle suppression in medical ultrasonics, Loupas T; Allan PL; McDicken WN, Br J Radiol 1989; **62:** 761

color and spectral Doppler mirror-image artifact of the subclavian artery, Reading CC; Charboneau JW; Allison JW; Cooperberg PL, Radiology 1990; **174:** 41

color Doppler artifact in anechoic regions, Mitchell DG; Burns P; Needleman L, J Ultrasound Med 1990; **9:** 255

color Doppler imaging: principles, limitations, and artifacts, Mitchell DG, Radiology 1990; **177:** 1

comet-tail artifact from cholesterol crystals: observations in the postlithotripsy gallbladder and an in vitro model, Shapiro RS; Winsberg F, Radiology 1990; **177:** 153

correlation artifacts in speed of sound estimation in scattering media, Ophir J; Johnson W; Yazdi Y; et al, Ultrasound Med Biol 1989; **15:** 341

double-line pattern of vessel walls at high-frequency US, Fitzgerald PJ; Yock PG, Radiology 1991; **179:** 878

double-line pattern of vessel walls at high-frequency US, Mercuri MF, Radiology 1991; **179:** 879

double-line pattern of vessel walls at high-frequency US: reply, Nolsøe CP; Engel U; Karstrup S; Torp-Pedersen S; Garre K; Holm HH, Radiology 1991; **179:** 879

effect of scan format on refraction artifacts, Ziskin MC; LaFollette PS Jr; Blathras K; et al, Ultrasound Med Biol 1990; **16:** 183

new class of pulsed Doppler US ambiguity at short ranges, Gill RW; Kossoff MB; Kossoff G; Griffiths KA, Radiology 1989; **173:** 272

perivascular color artifact: pathologic significance and appearance on color Doppler US images, Middleton WD; Erickson S; Melson GL, Radiology 1989; **171:** 647

regions in the B-mode image of a cylinder where the location of a point reflector is changed by sound speed variation, Soetanto K; Reid JM, Ultrasound Med Biol 1991; **17:** 355

renal duplication artifact in US imaging, Middleton WD; Melson GL, Radiology 1989; **173:** 427

sonographic artifacts and their origins, Scanlan KA, AJR 1991; **156:** 1267

Ultrasound (US), biological effects

acute effects of ultrasound on skeletal muscle oxygen tension, blood flow and capillary density, Rubin MJ; Etchison MR; Condra KA; et al, Ultrasound Med Biol 1990; **16:** 271

AIUM/CDRH (FDA) regulatory discussion, Merritt CRB; Yin LL, Ultrasound Med Biol 1989; **15:** S105

AIUM's position on reporting parameters of bioeffects experiments, Edmonds PD, Ultrasound Med Biol 1989; **15:** S79

bubble cycling as the explanation of the promotion of ultrasonic cavitation in a rotating tube exposure system, Miller DL; Williams AR, Ultrasound Med Biol 1989; **15:** 641

cavitation induced by asymmetric, distorted pulses of ultrasound: a biological test, Aymé EJ; Carstensen EL, Ultrasound Med Biol 1989; **15:** 61

confirmation of an ultrasound-induced mutation in two *in-vitro* mammalian cell lines, Doida Y; Miller MW; Cox C; et al, Ultrasound Med Biol 1990; **16:** 699

continuous-wave ultrasound and neoplastic transformation *in vitro*, Harrison GH; Balcer-Kubiczek EK, Ultrasound Med Biol 1989; **15:** 335

effect of acoustic cavitation on the contraction force and membrane potential of rat papillary muscle, Zakharov SI; Bogdanov KY; Rosenshtraukh LV; et al, Ultrasound Med Biol 1989; **15:** 561

effect of fetal exposure to ultrasound on B cell development in BALB/c mice, Desai BB; Sosolik RC; Ciaravino V; et al, Ultrasound Med Biol 1989; **15:** 567

effect of fetal exposure to ultrasound on B lymphocyte function and antibody class production, Sosolik RC; Desai BB; Ciaravino V; et al, Ultrasound Med Biol 1989; **15:** 581

effect of fetal exposure to ultrasound on the development of functional, antigen-specific B lymphocytes in fetal and neonatal BALB/c mice, Desai BB; Sosolik RC; Ciaravino V; et al, Ultrasound Med Biol 1989; **15:** 575

effect of therapeutic ultrasound on angiogenesis, Young SR; Dyson M, Ultrasound Med Biol 1990; **16:** 261

effect of therapeutic ultrasound on electrophysiological parameters of frog skin, Dinno MA; Crum LA; Wu J, Ultrasound Med Biol 1989; **15:** 461

effect of tissue perfusion on temperature elevation, Hynynen K, Ultrasound Med Biol 1989; **15:** 541

effect of ultrasound on axonal outgrowth in the sympathetic nervous system of the chick, Yip YPL; Capriotti C; Rosenthal MS; et al, Ultrasound Med Biol 1991; **17:** 139

effect of ultrasound on the cytoxicity of adriamycin, Loverock P; ter Haar G; Ormerod MG; et al, Br J Radiol 1990; **63:** 542

effects of high-energy shock waves combined with biological response modifiers in different human kidney cancer xenografts, Oosterhof GON; Smits GAHJ; de Ruyter AE; et al, Ultrasound Med Biol 1991; **17:** 391

EFSUMB position, Williams AR, Ultrasound Med Biol 1989; **15:** S81

experimental investigation of streaming in pulsed diagnostic ultrasound beams, Starritt HC; Duck FA; Humphrey VF, Ultrasound Med Biol 1989; **15:** 363

explanation for the decrease in cell lysis in a rotating tube with increasing ultrasound intensity, Miller MW; Church CC; Brayman AA; et al, Ultrasound Med Biol 1989; **15:** 67

FDA model for regulatory purposes, Stratmeyer ME, Ultrasound Med Biol 1989; **15:** S35

gauging the likelihood of cavitation from short-pulse, low-duty cycle diagnostic ultrasound, Apfel RE; Holland CK, Ultrasound Med Biol 1991; **17:** 179

in utero measurement of ultrasonically induced fetal mouse temperature increases, Carnes KI; Drewniak JL; Dunn F, Ultrasound Med Biol 1991; **17:** 373

lack of induced increase in sister chromatid exchanges in human lymphocytes exposed to *in vivo* therapeutic ultrasound, Miller MW; Azadniv M; Cox C; et al, Ultrasound Med Biol 1991; **17:** 81

losses in tissue associated with finite amplitude ultrasound transmission, Fry FJ; Dines KA; Reilly CR; et al, Ultrasound Med Biol 1989; **15:** 481

lung damage from exposure to pulsed ultrasound, Child SZ; Hartman CL; Schery LA; et al, Ultrasound Med Biol 1990; **16:** 817

lysis of cells in *Elodea* leaves by pulsed and continuous wave ultrasound, Carstensen EL; Child SZ; Crane C; et al, Ultrasound Med Biol 1990; **16:** 167

mechanisms for hemolysis by ultrasonic cavitation in the rotating exposure system, Miller DL; Thomas RM; Williams AR, Ultrasound Med Biol 1991; **17:** 171

NCRP/AIUM uniform absorption models, Carstensen EL, Ultrasound Med Biol 1989; **15:** S31

parameters for bioeffects experiments: overview, Barnett SB, Ultrasound Med Biol 1989; **15:** S75

parameters recommended by organizations to characterize acoustic output of diagnostic equipment: overview, Hill CR, Ultrasound Med Biol 1989; **15:** S15

prediction of *in situ* exposure to ultrasound: an acoustical attenuation method, Preston RC; Shaw A; Zeqiri B, Ultrasound Med Biol 1991; **17:** 317

prediction of *in situ* exposure to ultrasound: an improved method, Bacon DR, Ultrasound Med Biol 1989; **15:** 355

prediction of *in situ* exposure to ultrasound: a proposed standard experimental method, Preston RC; Shaw A; Zeqiri B, Ultrasound Med Biol 1991; **17:** 333

prenatal and postnatal consequences in the brain and behavior of rats exposed to ultrasound in utero, Norton S; Kimler BF; Cytaki EP; et al, J Ultrasound Med 1991; **10:** 69

protein synthesis stimulated in sonicated sugar beet cells and protoplasts, Joersbo M; Brunstedt J, Ultrasound Med Biol 1990; **16:** 719

pulsed ultrasound and the hyperbarically exposed mouse fetus, Child SZ; Hoffman D; Norton S; et al, Ultrasound Med Biol 1991; **17:** 367

recent progress on standards and bioeffects in Japan, Maeda K, Ultrasound Med Biol 1989; **15:** S99

relationship between image quality and ultrasound exposure level in diagnostic US devices, Harris GR; Stewart HF; Leo FP; Sanders RC, Radiology 1989; **173:** 313

reversible biochemical changes in the developing rat central nervous system following ultrasound exposure, Margulies N; Abraham V; Way JS; et al, Ultrasound Med Biol 1991; **17:** 383

single strand breaks in CHO cell DNA induced by ultrasonic cavitation *in vitro*, Miller DL; Thomas RM; Frazier ME, Ultrasound Med Biol 1991; **17:** 401

single strand DNA breaks in human leukocytes induced by ultrasound in vitro, Miller DL; Reese JA; Frazier ME, Ultrasound Med Biol 1989; **15:** 765

sister chromatid exchanges in Chinese hamster ovary cells exposed to high intensity pulsed ultrasound: inability to confirm previous positive results, Miller MW; Azadniv M; Pettit SE; et al, Ultrasound Med Biol 1989; **15:** 255

sonoluminescence in water and agar gels during irradiation with 0.75 MHz continuous-wave ultrasound, Daniels S; Price DJ, Ultrasound Med Biol 1991; **17:** 297

special considerations in choosing parameters to characterize acoustic output of diagnostic equipment, Wells PNT, Ultrasound Med Biol 1989; **15:** S7

surface heating of diagnostic ultrasound transducers, Duck FA; Starritt HC; ter Haar GR; et al, Br J Radiol 1989; **62:** 1005

temperature elevation generated by a focused Gaussian beam of ultrasound, Wu J; Du G, Ultrasound Med Biol 1990; **16:** 489

temperature elevation in the rat fetus due to ultrasound exposure, Abraham V; Ziskin MC; Heyner S, Ultrasound Med Biol 1989; **15:** 443

temporally-specific modification of myelinated axon excitability *in vitro* following a single ultrasound pulse, Mihran RT; Barnes FS; Wachtel H, Ultrasound Med Biol 1990; **16:** 297

test for kidney hemorrhage following exposure to intense, pulsed ultrasound, Carstensen EL; Hartman C; Child SZ; et al, Ultrasound Med Biol 1990; **16:** 681

test of I^2T as a dose parameter for fetal weight reduction from exposure to ultrasound, Child SZ; Hoffman D; Strassner D; et al, Ultrasound Med Biol 1989; **15:** 39

threshold for thermally significant cavitation in dog's thigh muscle *in vivo*, Hynynen K, Ultrasound Med Biol 1991; **17:** 157

time lapse and microscopic examinations of insonated *in vitro* cells, Miller MW; Church CC; Ciaravino V, Ultrasound Med Biol 1990; **16:** 73

ultrasound effects on cell proliferation and migration of chick motoneurons, Yip YPL; Capriotti C; Norbash SG; et al, Ultrasound Med Biol 1991; **17:** 55

ultrasound-induced damage of veins in pig ears, as revealed by scanning electron microscopy, Kerr CL; Gregory DW; Chan KK; et al, Ultrasound Med Biol 1989; **15:** 45

ultrasound safety: what are the issues?, Merritt CRB, Radiology 1989; **173:** 304

Ultrasound (US), catheter identification

motion marking in color Doppler ultrasound needle and catheter visualization, Kurohiji T; Sigel B; Justin J; et al, J Ultrasound Med 1990; **9:** 243

ultrasonographic detection of plastic materials in various organs of the human body, Pery M; Rosenberger A; Kaftori JK, JCU 1989; **17:** 489

Ultrasound (US), comparative studies

cervical esophageal motility: evaluation with US in progressive systemic sclerosis, Takebayashi S; Matsui K; Ozawa Y; Nozawa T; Fujioka E, Radiology 1991; **179:** 389

color-coded image-directed Doppler sonography compared with digital subtraction angiography in the follow-up of percutaneous vascular endoprostheses, Vorwerk D; Günther RW; Gehl H-B; et al, JCU 1990; **18:** 631

comparison of four different Doppler instruments used to measure linear and volumetric cardiac output: a study of reproducibility and agreement, Mayo A; Rawles J, Ultrasound Med Biol 1991; **17:** 347

epithelial tumors of the ovary: CT findings and correlation with US, Buy J-N; Ghossain MA; Sciot C; Bazot M; Guinet C; Prévot S; Hugol D; Laromiguiere M; Truc JB; Poitout P; Vadrot D; Ecoiffier J, Radiology 1991; **178:** 811

hilar cholangiocarcinoma: comparative study with sonography and CT, Choi BI; Lee JH; Han MC; Kim SH; Yi JG; Kim C-W, Radiology 1989; **172:** 689

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality, Cohen HL; Haller JO, Radiology 1991; **179:** 877

hypertrophic pyloric stenosis: volumetric measurement of nasogastric aspirate to determine imaging modality: reply, Mandell GA; Finkelstein MS, Radiology 1991; **179:** 878

hysterosalpingo-contrast sonography of the uterus and fallopian tubes: results of a clinical trial of a new contrast medium in 120 patients, Schlief R; Deichert U, Radiology 1991; **178:** 213

inferior vena caval filter thrombi: evaluation with intravascular US, McCowan TC; Ferris EJ; Carver DK, Radiology 1990; **177:** 783

lung tumors associated with obstructive pneumonitis: US studies, Yang P-C; Luh K-T; Wu H-D; Chang D-B; Lee L-N; Kuo S-H; Yang S-P, Radiology 1990; **174:** 717

mediastinal tumors: sensitivity of detection with sonography compared with CT and radiography, Wernecke K; Vassallo P; Pötter R; Lückener H-G; Peters PE, Radiology 1990; **175:** 137

nonpalpable cancer of the prostate: assessment with transrectal US, Lee F Jr; Bronson JP; Lee F; Torp-Pedersen ST; Siders DB; Thornbury JR; McHugh TA, Radiology 1991; **178:** 197

peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography, Mulligan SA; Matsuda T; Lanzer P; Gross GM; Routh WD; Keller FS; Koslin DB; Berland LL; Fields MD; Doyle M; Cranney GB; Lee JY; Pohost GM, Radiology 1991; **178:** 695

portal blood flow: measurement with MR imaging, Tamada T; Moriyasu F; Ono S; Shimizu K; Kajimura K; Soh Y; Kawasaki T; Kimura T; Yamashita Y; Someda H; Hamato N; Uchino H, Radiology 1989; **173:** 639

preoperative staging of esophageal cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Urmacher C; Brennan MF, Radiology 1991; **181:** 419

prospective comparison of vaginal and abdominal sonography in normal early pregnancy, Pennell RG; Needleman L; Pajak T; et al, J Ultrasound Med 1991; **10:** 63

septate versus bicornuate uteri: errors in imaging diagnosis, Reuter KL; Daly DC; Cohen SM, Radiology 1989; **172:** 749

simultaneous measurement of gallbaldder emptying with cholescintigraphy and US during infusion of physiologic doses of cholecystokinin: a comparison, Masclee AAM; Hopman WPM; Corstens FHM; Rosenbusch G; Jansen JBMJ; Lamers CBHW, Radiology 1989; **173:** 407

staging of rectal carcinoma: prospective comparison of endorectal US and CT, Rifkin MD; Ehrlich SM; Marks G, Radiology 1989; **170:** 319

transabdominal versus endovaginal pelvic sonography: prospective study, Tessler FN; Schiller VL; Perrella RR; Sutherland ML; Grant EG, Radiology 1989; **170:** 553

ultrasonography and Doppler duplex compared with angiography in follow-up of mesocaval shunt patency, Hederström E; Forsberg L; Ivancev K; et al, Acta Radiol 1990; **31:** 341

Ultrasound (US), contrast media

characteristics of Albunex: air-filled albumin microspheres for echocardiography contrast enhancement, Barnhart J; Levene H; Villapando E; et al, Invest Radiol 1990; **25:** S162

contrast agents in diagnostic ultrasound, Ophir J; Parker KJ, Ultrasound Med Biol 1989; **15:** 319

lipid-coated ultrastable microbubbles as a contrast agent in neurosonography, Simon RH; Ho S-Y; D'Arrigo J; et al, Invest Radiol 1990; **25:** 1300

on the application of ultrasonic contrast agents for blood flowmetry and assessment of cardiac perfusion, Bleeker H; Shung K; Barnhart J, J Ultrasound Med 1990; **9:** 461

particulate contrast agents for improved ultrasound detection of liver metastases, Violante MR; Parker K; Lerner R, Invest Radiol 1990; **25:** S165

perfluorooctylbromide: a new contrast agent for CT, sonography, and MR imaging, Mattrey RF, AJR 1989; **152:** 247

physical and acoustical properties of perfluorooctylbromide, an ultrasound contrast agent, André M; Nelson T; Mattrey R, Invest Radiol 1990; **25:** 983

SH U 508, a transpulmonary echocontrast agent: initial experience, Fritzsch T; Hilmann J; Kämpfe M; et al, Invest Radiol 1990; **25:** S160

ultrasound contrast for hepatic tumors using IDE particles, Parker KJ; Baggs RB; Lerner RM; et al, Invest Radiol 1990; **25:** 1135

ultrasound contrast media, Invest Radiol Invest Radiol 1990; **25:** S167

ultrasound properties of liver with and without particulate contrast agents, Tuthill TA; Baggs RB; Violante MR; et al, Ultrasound Med Biol 1991; **17:** 231

Ultrasound (US), CT

assessment of ultrasonic computed tomography in symptomatic breast patients by discriminant analysis, Scherzinger AL; Belgam RA; Carson PL; et al, Ultrasound Med Biol 1989; **15:** 21

Ultrasound (US), Doppler studies

acoustic power measurements of Doppler ultrasound devices used for perinatal and infant examinations, Rabe H; Grohs B; Schmidt RM; et al, Pediatr Radiol 1990; **20:** 277

acute renal failure: possible role of duplex Doppler US in distinction between acute prerenal failure and acute tubular necrosis, Platt JF; Rubin JM; Ellis JH, Radiology 1991; **179:** 419

acute renal vein thrombosis in renal allografts: detection with duplex Doppler US, Reuther G; Wanjura D; Bauer H, Radiology 1989; **170:** 557

air in the portal vein: sonographic and Doppler manifestations, Lafortune M; Trinh BC; Burns PN; Breton G; Burke M; Déry R; Gianfelice D; Philie M; Côté J, Radiology 1991; **180:** 667

aneurysm of the inferior pancreaticoduodenal artery diagnosed by real-time ultrasound and pulsed Doppler, Grech P; Rowlands P; Crofton M, Br J Radiol 1989; **62:** 753

appearance of thyroid diseases using colour-coded duplex sonography, Fobbe F; Finke R; Reichenstein E; et al, Eur J Radiol 1989; **9:** 29

assessment of normal and abnormal erectile function: color Doppler flow sonography versus conventional techniques, Schwartz A N; Lowe M; Berger RE; Wang KY; Mack LA; Richardson ML, Radiology 1991; **180:** 105

assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; **177:** 265

automatic vessel tracking and measurement for Doppler studies, Wilson LS; Dadd MJ; Gill RW, Ultrasound Med Biol 1990; **16:** 645

blood flow in the superior mesenteric artery: estimation with Doppler US, Taylor GA, Radiology 1990; **174:** 15

breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, Jackson VP, Radiology 1989; **170:** 578

Budd-Chiari syndrome: the results of duplex and color Doppler imaging, Grant EG; Perrella RR; Tessler FN; et al, AJR 1989; **152:** 377

cerebellar dimensions in assessment of gestational age in neonates, Co E; Raju TNK; Aldana O, Radiology 1991; **181:** 581

cerebral, umbilical, and uterine resistance using Doppler velocimetry in postterm pregnancy, Brar HS; Horenstein J; Medearis AL; et al, J Ultrasound Med 1989; **8:** 187

changes in portal blood flow consequent to partial hepatectomy: Doppler estimation, Kawasaki T; Moriyasu F; Kimura T; Someda H; Fukuda Y; Ozawa K, Radiology 1991; **180:** 373

choice of index for umbilical artery Doppler waveforms, Hoskins PR; Haddad NG; Johnstone FD; et al, Ultrasound Med Biol 1989; **15:** 107

circle of Willis in newborns: color Doppler imaging of 53 healthy full-term infants, Mitchell DG; Merton DA; Mirsky PJ; Needleman L, Radiology 1989; **172:** 201

clinical Doppler imaging, Grant EG; Tessler FN; Perrella RR, AJR 1989; **152:** 707

clinical evaluation of a new anti-aliasing technique for ultrasound pulsed Doppler analysis, Tortoli P; Valgimigli F; Guidi G; et al, Ultrasound Med Biol 1989; **15:** 749

clinical value of screening for fetal growth retardation by Doppler ultrasound, Bruinse HW; Sijmons EA; Reuwer PJHM, J Ultrasound Med 1989; **8:** 207

color and spectral Doppler mirror-image artifact of the subclavian artery, Reading CC; Charboneau JW; Allison JW; Cooperberg PL, Radiology 1990; **174:** 41

color-coded Doppler sonography of vertebral arteries, Trattnig S; Schwaighofer B; Hübsch P; et al, J Ultrasound Med 1991; **10:** 221

color Doppler applications in the abdomen, (ab), Berland LL, Radiology 1990; **177:** 890

color Doppler artifact in anechoic regions, Mitchell DG; Burns P; Needleman L, J Ultrasound Med 1990; **9:** 255

color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ, Radiographics 1989; **9:** 389

color Doppler flow imaging, Foley WD; Erickson SJ, AJR 1991; **156:** 3

color Doppler flow imaging of the normal and abnormal orbit, Erickson SJ; Hendrix LE; Massaro BM; Harris GJ; Lewandowski MF; Foley WD; Lawson TL, Radiology 1989; **173:** 511

color Doppler imaging of intracranial vessels in the neonate, Wong WS; Tsuruda JS; Liberman RL; et al, AJNR 1989; **10:** 425

color Doppler imaging of the iliofemoral region, Liu J-B; Merton DA; Mitchell DG; Needleman L; Kurtz AB; Goldberg BB, Radiographics 1990; **10:** 403

color Doppler imaging: principles, limitations, and artifacts, Mitchell DG, Radiology 1990; **177:** 1

color Doppler signals from breast tumors: work in progress, Cosgrove DO; Bamber JC; Davey JB; McKinna JA; Sinnett HD, Radiology 1990; **176:** 175

color Doppler sonography in spontaneous splenorenal portosystemic shunts, Sie A; Johnson MB; Lee KP; et al, J Ultrasound Med 1991; **10:** 167

color Doppler sonography of hemodialysis vascular access: comparison with angiography, Middleton WD; Picus DD; Marx MV; et al, AJR 1989; **152:** 633

color Doppler sonography of portocaval shunts, Ralls PW; Lee KP; Mayekawa DS; et al, JCU 1990; **18:** 379

color Doppler sonography of the scrotum, Ralls PW; Larsen D; Johnson MB; et al, Semin US CT MR 1991; **12:** 109

color Doppler ultrasound imaging of lower-extremity venous disease, Foley WD; Middleton WD; Lawson TL; et al, AJR 1989; **152:** 371

color Doppler ultrasound of the normal testis, Middleton WD; Thorne DA; Melson GL, AJR 1989; **152:** 293

color Doppler US imaging during pediatric neurosurgical and neuroradiologic procedures, Barr LL; Babcock DS; Crone KR; Berger TS; Ball WS; Prenger EC, Radiology 1991; **181:** 567

color Doppler US in the evaluation of acute scrotal disease, Lerner RM; Mevorach RA; Hulbert WC; Rabinowitz R, Radiology 1990; **176:** 355

color Doppler US of the scrotum, Horstman WG; Middleton WD; Melson GL; Siegel BA, Radiographics 1991; **11:** 941

color Doppler US of the scrotum: authors' response, Horstman WG; Middleton WD, Radiographics 1991; **11:** 958

color Doppler US of the scrotum: invited commentary, Cochran ST; Grant EG, Radiographics 1991; **11:** 958

color duplex imaging and Doppler spectrum analysis: principle, capabilities, and limitations, Zwiebel WJ, Semin US CT MR 1990; **11:** 84

color-flow Doppler and conventional duplex scanning of the carotid bifurcation: prospective, double-blind, correlative study, Hallam MJ; Reid JM; Cooperberg PL, AJR 1989; **152:** 1101

colour Doppler flow imaging of the carotid arteries, Kessler C; Maravic Cv; Maravic Mv; et al, Neuroradiol 1991; **33:** 114

comparison of cine MR imaging with Doppler echocardiography for the evaluation of aortic regurgitation, Pflugfelder PW; Landzberg JS; Cassidy MM; et al, AJR 1989; **152:** 729

comparison of dynamic image and pulsed Doppler ultrasonography for the diagnosis of intrauterine growth retardation, Ott WJ, JCU 1990; **18:** 3

comparison of four different Doppler instruments used to measure linear and volumetric cardiac output: a study of reproducibility and agreement, Mayo A; Rawles J, Ultrasound Med Biol 1991; **17:** 347

comparison of the Doppler spectra from human blood and artificial blood used in a flow phantom, Hoskins PR; Loupas T; McDicken WN, Ultrasound Med Biol 1990; **16:** 141

comparison of three different filters for speckle reduction of Doppler spectra, Hoskins PR; Loupas T; McDicken WN, Ultrasound Med Biol 1990; **16:** 375

controversies in radiology: Doppler of the carotid arteries, Hartnell GG, Clin Radiol 1989; **40:** 117

correlation of experimental rCBF determinations in goats with flow measurements from a Doppler-modified carotid artery shunt, Loftus CM; Silvidi JA; Becker JA; et al, J Ultrasound Med 1989; **8:** 7

current applications of color Doppler imaging in the abdomen and extremities, Lewis BD; James EM; Charboneau JW; Reading CC; Welch TJ, Radiographics 1989; **9:** 599

deep veins of the calf: assessment with color Doppler flow imaging, Polak JF; Culter SS; O'Leary DH, Radiology 1989; **171:** 481

degree of cervical carotid artery stenosis and hemispheric stroke: duplex US findings, Brown PB; Zwiebel WJ; Call GK, Radiology 1989; **170:** 541

detection of vascular complications in renal allografts with color Doppler flow imaging, Grenier N; Douws C; Morel D; Ferrière J-M; Le Guillou M; Potaux L; Broussin J, Radiology 1991; **178:** 217

device for the calibration of flow-velocity-measuring Doppler ultrasound equipment, Nelson TR; Pretorius DH, J Ultrasound Med 1990; **9:** 575

diagnosis of abdominal aortic dissection by image-directed Doppler sonography, Giyanani VL; Krebs CA; Nall LA; et al, JCU 1989; **17:** 445

diagnosis of carotid-cavernous fistula by periorbital color Doppler imaging and pulsed Doppler volume flow analysis, Kotval PS; Weitzner I Jr; Tenner MS, J Ultrasound Med 1990; **9:** 101

diagnosis of coronary artery dehiscence and pseudoaneurysm formation in postoperative Marfan patient by color flow Doppler echocardiography, Rice MJ; McDonald RW; Reller MD, JCU 1989; **17:** 359

diagnosis of hepatic artery aneurysm with portal vein fistula using image-directed Doppler ultrasound, Endress C; Kling GA; Madrazo BL, JCU 1989; **17:** 206

diagnosis of portal vein thrombosis: value of color Doppler imaging, Tessler FN; Gehring BJ; Gomes AS; et al, AJR 1991; **157:** 293

differentiation of detached retina and vitreous membrane with color flow Doppler, Wong AD; Cooperberg PL; Ross WH; Araki DN, Radiology 1991; **178:** 429

Doppler analysis of the umbilical artery: the importance of choosing the placental end of the cord, Abramowicz JS; Warsof SL; Arrington J; et al, J Ultrasound Med 1989; **8:** 219

Doppler assessment of changes in rightsided cardiac hemodynamics after pulmonary thromboendarterectomy, (ab), Chow LC; Dittrich HC; Hoit BD; et al, Radiology 1989; **170:** 586

Doppler assessment of the umbilical circulation, Cook CM; Connelly AJ; Trudinger BJ, Semin US CT MR 1989; **10:** 417

Doppler color-flow images from a stenosed arterial model: interpretation of flow patterns, (ab), Rittgers SE; Shu MCS, Radiology 1991; **179:** 591

Doppler color flow imaging of carotid artery dissection, Bluth EI; Shyn PB; Sullivan MA; et al, J Ultrasound Med 1989; **8:** 149

Doppler color flow in echocardiography: analytical and *in-vitro* investigations of the quantitative relationship between orifice flow and color jet dimensions, Holen J; Nanna M; Lockhart J; et al, Ultrasound Med Biol 1990; **16:** 543

Doppler examination of the kidney in infants and children, Patriquin H, Urol Radiol 1991; **12:** 220

Doppler spectral waveform generation *in vitro*: an aid to diagnosis of vascular disease, Shortland AP; Cochrane T, Ultrasound Med Biol 1989; **15:** 737

Doppler study of umbilical artery blood flow waveform: should we use an instrument-adapted nomogram?, Abramowicz JS; Arrington J; Levy DL; et al, J Ultrasound Med 1989; **8:** 183

Doppler ultrasound assessment of tumor vascularity in gynecologic disorders, Hata T; Hata K; Senoh D; et al, J Ultrasound Med 1989; **8:** 309

Doppler ultrasound color flow imaging in the study of breast cancer: preliminary findings, Adler DD; Carson PL; Rubin JM; et al, Ultrasound Med Biol 1990; **16:** 553

Doppler ultrasound in medical diagnosis, Wells PNT, Br J Radiol 1989; **62:** 399

Doppler ultrasound in the nonpregnant pelvis, Farquhar CM; Rae T; Thomas DC; et al, J Ultrasound Med 1989; **8:** 451

Doppler US: part I. basic principles, instrumentation, and pitfalls, Taylor KJW; Holland S, Radiology 1990; **174:** 297

Doppler US: part II. clinical applications, Scoutt LM; Zawin ML; Taylor KJW, Radiology 1990; **174:** 309

Doppler waveform parvus and tardus: a sign of proximal flow obstruction, Kotval PS, J Ultrasound Med 1989; **8:** 435

Doppler waveforms in the renal arteries of normal children, Friedman DM; Schacht RG, JCU 1991; **19:** 387

duplex and color Doppler sonographic evaluation of vasculogenic impotence, Quam JP; King BF; James EM; et al, AJR 1989; **153:** 1141

duplex Doppler sonography in renal parenchymal disease: histopathologic correlation, Mostbeck GH; Kain R; Mallek R; et al, J Ultrasound Med 1991; **10:** 189

duplex Doppler sonography of renal transplants: correlation with histopathology, Fleischer AC; Hinton AA; Glick AD; et al, J Ultrasound Med 1989; **8:** 89

duplex Doppler sonography of renal transplants: lack of sensitivity and specificity in establishing pathologic diagnosis, Genkins SM; Sanfilippo FP; Carroll BA, AJR 1989; **152:** 535

duplex Doppler systems in obstetric ultrasound, Carroll BA, Radiol Clin North Am 1990; **28:** 189

duplex Doppler ultrasound evaluation of calcified inferior vena cava thrombosis, Uglietta JP; Woodruff WW; Effmann EL; et al, Pediatr Radiol 1989; **19:** 250

duplex Doppler ultrasound in the diagnosis of acute renal allograft rejection, Wan SKH; Ferguson CJ; Cochlin DL; et al, Clin Radiol 1989; **40:** 573

ectopic pregnancy: duplex Doppler evaluation, Taylor KJW; Ramos IM; Feyock AL; Snower DP; Carter D; Shapiro BS; Meyer WR; De Cherney AH, Radiology 1989; **173:** 93

effect of fetal heart rate on umbilical arterial Doppler indices, Yarlagadda P; Willoughby L; Maulik D, J Ultrasound Med 1989; **8:** 215

effect of heart rate on Doppler measurements of resistive index in renal arteries, Mostbeck GH; Gössinger HD; Mallek R; Siostrzonek P; Schneider B; Tscholakoff D, Radiology 1990; **175:** 511

effect of placental resistance, arterial diameter, and blood pressure on the uterine arterial velocity waveform: a computer modeling approach, Adamson SL; Morrow RJ; Bascom PAJ; et al, Ultrasound Med Biol 1989; **15:** 437

effect of tank liquid acoustic velocity on Doppler string phantom measurements, Goldstein A, J Ultrasound Med 1991; **10:** 141

effects of transducer beam geometry and flow velocity profile on the Doppler power spectrum: a theoretical study, Bascom PAJ; Cobbold RSC, Ultrasound Med Biol 1990; **16:** 279

estimation of aortic and pulmonary blood flow in a paediatric population using Doppler ultrasound: an *in-vitro* study, Soul FJ; Hames TK; Thomas VL; et al, Ultrasound Med Biol 1990; **16:** 659

evaluation of adnexal masses with transvaginal color ultrasound, Kurjak A; Zalud I; Alfirevic Z, J Ultrasound Med 1991; **10:** 295

evaluation of the peripheral arteries with duplex US after angioplasty, Sacks D; Robinson ML; Marinelli DL; Perlmutter GS, Radiology 1990; **176:** 39

evaluation of traumatic groin arteriovenous fistulas with duplex Doppler sonography, Helvie MA; Rubin J, J Ultrasound Med 1989; **8:** 21

evaluation of tumor energy metabolism and microvascular blood flow after glucose or mannitol administration using ^{31}P nuclear magnetic resonance spectroscopy and laser Doppler flowmetry, Okunieff P; Vaupel P; Sedlacek R; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1493

evolution of deep venous thrombosis: a prospective evaluation with US, Murphy TP; Cronan JJ, Radiology 1990; **177:** 543

feasibility spectrum for Doppler flowmetry of splanchnic vessels: in normal and cirrhotic populations, Sabbá C; Ferraioli G; Sarin SK; et al, J Ultrasound Med 1990; **9:** 705

fetal Doppler shift waveforms in intrauterine growth retardation: Laplace transform analysis technique, Stone PR; Skidmore R; Baker JD; et al, Ultrasound Med Biol 1990; **16:** 773

genitourinary radiology. RSNA '90 meeting notes, Dunnick NR; Bush WH; Choyke PL; Fernbach SK; Hartman DS; Rifkin MD; Roubidoux MA; Sandler CM, Radiology 1991; **178:** 600

heartrate variation of umbilical artery Doppler waveforms, Hoskins PR; Johnstone FD; Chambers SE; et al, Ultrasound Med Biol 1989; **15:** 101

hemodialysis grafts: color Doppler flow imaging correlated with digital subtraction angiography and functional status, Dousset V; Grenier N; Douws C; Senuita P; Sassouste G; Ada L; Potaux L, Radiology 1991; **181:** 89

hemodynamic effects of innominate artery occlusive disease. evaluation by Doppler ultrasound, Brunhölzl C; von Reutern G-M, Ultrasound Med Biol 1989; **15:** 201

hemodynamic validation of Doppler assessment of fetoplacental circulation in a sheep model system, Maulik D; Yarlagadda P; Nathanielsz PW; et al, J Ultrasound Med 1989; **8:** 177

hemolytic-uremic syndrome: intrarenal arterial Doppler patterns as a useful guide to therapy, Patriquin HB; O'Regan S; Robitaille P; Paltiel H, Radiology 1989; **172:** 625

hepatic tumors: signal enhancement at Doppler US after intravenous injection of a contrast agent, Goldberg BB; Hilpert PL; Burns PN; Liu J-B; Newman LM; Merton DA; Witlin LA, Radiology 1990; **177:** 713

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; **170:** 733

hepatoblastoma: detection of tumor vascularity with duplex Doppler US, Bates SM; Keller MS; Ramos IM; Carter D; Taylor KJW, Radiology 1990; **176:** 505

iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB, Radiology 1989; **170:** 749

image-directed Doppler ultrasonography in the management of failing infrainguinal bypass grafts, Basile RM; Waters BD; Curletti EL, JCU 1990; **18:** 132

image-directed Doppler ultrasound findings in adventitial cystic disease of the popliteal artery, Stapff M; Zoller WG; Spengel FA, JCU 1989; **17:** 689

influence of various instrument settings on the flow information derived from the power mode, Jain SP; Fan PH; Philpot EF; et al, Ultrasound Med Biol 1991; **17:** 49

inter- and intra-observer variability of Doppler peak velocity measurements: an *in-vitro* study, Tessler FN; Kimme-Smith C; Sutherland ML; et al, Ultrasound Med Biol 1990; **16:** 653

internal carotid artery stenosis: accuracy and reproducibility of color-Doppler–assisted duplex imaging, Polak JF; Dobkin GR; O'Leary DH; Wang A-M; Cutler SS, Radiology 1989; **173:** 793

interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; **178:** 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jequier S; Paltiel H; Lafortune M, Radiology 1991; **178:** 889

intracerebral arteriovenous malformations: intraoperative color Doppler flow imaging, Rubin JM; Hatfield MK; Chandler WF; Black KL; DiPietro MA, Radiology 1989; **170:** 219

intracranial blood flow: quantification with duplex Doppler and color Doppler flow US, Taylor GA; Short BL; Walker LK; Traystman RJ, Radiology 1990; **176:** 231

intraobserver variation in Doppler ultrasound indices of placental perfusion derived from different numbers of waveforms, Spencer JAD; Price J, J Ultrasound Med 1989; **8:** 197

investigation of simulated umbilical artery Doppler waveforms. I. the effect of three physical parameters on the maximum frequency envelope and on pulsatility index, Hoskins PR; Loupas T; McDicken WN, Ultrasound Med Biol 1991; **17:** 7

investigation of simulated umbilical artery Doppler waveforms. II. a comparison of three Doppler waveform quality indices, Hoskins PR, Ultrasound Med Biol 1991; **17:** 23

in vitro validation of Doppler indices using blood and water, Spencer JAD; Giussani DA; Moore PJ; et al, J Ultrasound Med 1991; **10:** 305

IV injection of air-filled human albumin microspheres to enhance arterial Doppler signal: a preliminary study in rabbits, Hilpert PL; Mattrey RF; Mitten RM; et al, AJR 1989; **153:** 613

LaPlace transform analysis of femoral artery Doppler signals: the state of the art, Baker JD; Skidmore R; Cole SEA, Ultrasound Med Biol 1989; **15:** 13

liver cirrhosis: changes of Doppler waveform of hepatic veins, Bolondi L; Li Bassi S; Gaiani S; Zironi G; Benzi G; Santi V; Barbara L, Radiology 1991; **178:** 513

lower-extremity vascular grafts placed for peripheral vascular disease: prospective evaluation with duplex Doppler sonography, Gooding GAW; Perez S; Rapp JH; Krupski WC, Radiology 1991; **180:** 379

major pitfalls in Doppler investigations: part II. low flow velocities and color Doppler applications, Winkler P; Helmke K; Mahl M, Pediatr Radiol 1990; **20:** 304

major pitfalls in Doppler investigations with particular reference to the cerebral vascular system: part I. sources of error, resulting pitfalls and measures to prevent errors, Winkler P; Helmke K, Pediatr Radiol 1990; **20:** 219

new approach to the noninvasive measurement of cardiac output using an annular array Doppler technique—I. theoretical considerations and ultrasonic fields, Evans JM; Skidmore R; Luckman NP; et al, Ultrasound Med Biol 1989; **15:** 169

new approach to the noninvasive measurement of cardiac output using an annular array Doppler technique—II. practical implementation and results, Evans JM; Skidmore R; Baker JD; et al, Ultrasound Med Biol 1989; **15:** 179

new class of pulsed Doppler US ambiguity at short ranges, Gill RW; Kossoff MB; Kossoff G; Griffiths KA, Radiology 1989; **173:** 272

new method of adult transcranial Doppler, Hashimoto BE; Hattrick CW, J Ultrasound Med 1991; 10: 349

nonstationarity broadening in pulsed Doppler spectrum measurements, Fish PJ, Ultrasound Med Biol 1991; 17: 147

nonuniformity of fetal umbilical systolic/diastolic ratios as determined with duplex Doppler sonography, Kay HH; Carroll BA; Bowie JD; et al, J Ultrasound Med 1989; 8: 417

on the behavior of instantaneous frequency estimators implemented on Doppler flow imagers, Nowicki A; Reid J; Pedersen PC; et al, Ultrasound Med Biol 1990; 16: 511

on the design and evaluation of a steady flow model for Doppler ultrasound studies, Law YF; Johnston KW; Routh HF; et al, Ultrasound Med Biol 1989; 15: 505

pediatric radiology. RSNA '88 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; Miller JH; Slovis TL, Radiology 1989; 170: 600

pediatric radiology. RSNA '89 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; McAlister WH; Miller JH; Slovis TL; Wood BP, Radiology 1990; 174: 600

pelvic arteriovenous malformation diagnosed by color flow Doppler imaging, Abu Musa A; Hata T; Hata K; et al, AJR 1989; 152: 1311

performance tests of Doppler ultrasound equipment with a string phantom, Goldstein A, J Ultrasound Med 1991; 10: 125

perivascular color artifact: pathologic significance and appearance on color Doppler US images, Middleton WD; Erickson S; Melson GL, Radiology 1989; 171: 647

portal blood flow in congestive heart failure: pulsed duplex sonographic findings, Hosoki T; Arisawa J; Marukawa T; Tokunaga K; Kuroda C; Kozuka T; Nakano S, Radiology 1990; 174: 733

postbiopsy renal transplant arteriovenous fistulas: color Doppler US characteristics, Middleton WD; Kellman GM; Melson GL; Madrazo BL, Radiology 1989; 171: 253

precision of umbilical artery Doppler studies: intraobserver, interobserver, and biologic variability of fetal Doppler velocimetry, Thomas RL; Peng TCC; Eglinton GS; et al, J Ultrasound Med 1991; 10: 201

preliminary evaluation of color Doppler imaging for investigation of intrascrotal pathology, (ab), Krieger JN; Wang K; Mack L, Radiology 1991; 179: 886

pseudogestational sacs: Doppler US differentiation from normal or abnormal intrauterine pregnancies, Dillon EH; Feyock AL; Taylor KJW, Radiology 1990; 176: 359

pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax, Hernanz-Schulman M; Stein SM; Neblett WW; Atkinson JB; Kirchner SG; Heller RM; Merrill WH; Fleischer AC, Radiology 1991; 180: 817

pulsatile masses surrounding vascular prostheses: real-time US color flow imaging, Polak JF; Donaldson MC; Whittemore AD; Mannick JA; O'Leary DH, Radiology 1989; 170: 363

pulsed Doppler on a vaginal probe: necessity, convenience, or luxury?, Schaaps JP; Soyeur D, J Ultrasound Med 1989; 8: 315

pulsed Doppler sonographic measurement of normal values for the flow velocities in the intracranial arteries of healthy newborns, Deeg KH; Rupprecht T, Pediatr Radiol 1989; 19: 71

quantification of vascular stenosis with color Doppler flow imaging: in vitrl investigations, Landwehr P; Schindler R; Heinrich U; Dölken W; Krahe T; Lackner K, Radiology 1991; 178: 701

quantitative measurement of abdominal arterial blood flow using image-directed Doppler ultrasonography: superior mesenteric, splenic, and common hepatic arterial blood flow in normal adults, Nakamura T; Moriyasu F; Ban N; et al, JCU 1989; 17: 261

real-time autoregressive spectrum analyzer for Doppler ultrasound signals, Schlindwein FS; Evans DH, Ultrasound Med Biol 1989; 15: 263

relationship between pulsatility indices of Doppler flow signals and CO_2-reactivity within the middle cerebral artery in extracranial occlusive disease, Ley-Pozo J; Willmes K; Ringelstein EB, Ultrasound Med Biol 1990; 16: 763

renal blood flow pattern by noninvasive Doppler ultrasound in normal children and acute renal failure patients, Wong SN; Lo RNS; Yu ECL, J Ultrasound Med 1989; 8: 135

renal Doppler sonography in infants and children, Keller MS, Radiology 1989; 172: 603

renal masses: characterization with Doppler US, Kier R; Taylor KJW; Feyock AL; Ramos IM, Radiology 1990; 176: 703

renal masses: differential diagnosis with pulsed Doppler US, Kuijpers D; Jaspers R, Radiology 1989; 170: 59

renal transplant pyelocaliectasis: role of duplex Doppler US in evaluation, Platt JF; Ellis JH; Rubin JM, Radiology 1991; 179: 425

repeatability of Doppler ultrasound measurement of blood flow velocity and its variability in the supraclinoid segment of the internal carotid artery in preterm newborns, Mullaart RA; Hopman JCW; Daniels O; et al, Ultrasound Med Biol 1989; 15: 545

right carotid artery ligation in neonates: classification of collateral flow with color Doppler imaging, Mitchell DG; Merton DA; Grazíani LJ; Desai HJ; Desai SA; Wolfson PJ; Gross GW, Radiology 1990; 175: 117

scrotal inflammatory disease: color Doppler US findings, Horstman WG; Middleton WD; Melson GL, Radiology 1991; 179: 55

selection of the order of autoregressive models for spectral analysis of Doppler ultrasound signals, Schlindwein FS; Evans DH, Ultrasound Med Biol 1990; 16: 81

should results of ultrasound Doppler studies be reported in units of frequency or velocity?, Phillips DJ; Beach KW; Primozich J; et al, Ultrasound Med Biol 1989; 15: 205

simulation of transit time effects in Doppler ultrasound signals, Jones SA; Giddens DP, Ultrasound Med Biol 1990; 16: 607

simultaneous use of Doppler ultrasound and electromagnetic flow probes in fetal flow assessment, Nimrod C; Clapp J III; Larrow R; et al, J Ultrasound Med 1989; 8: 201

sonographic enhancement of Doppler signals and perfused tissues with perfluorooctylbromide, Mattrey RF, Invest Radiol 1990; 25: S158

spatial resolution of transcranial pulsed Doppler technique *in vitro* evaluation of the sensitivity distribution of the sample volume, Arnolds BJ; Kunz D; von Reutern G-M, Ultrasound Med Biol 1989; 15: 729

special Doppler ultrasound transducers for recording vertebral artery blood flow in rabbits, Stürm RP; Estlinbaum W; Casty M, Ultrasound Med Biol 1989; 15: 499

stenosis of the internal carotid artery: assessment using color Doppler imaging compared with angiography, Erickson SJ; Mewissen MW; Foley WD; et al, AJR 1989; 152: 1299

symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ, Radiology 1990; 175: 639

total occlusion of the common carotid artery with patent internal carotid artery: identification with color flow Doppler imaging, Dashefsky SM; Cooperberg PL; Harrison PB; et al, J Ultrasound Med 1991; 10: 417

transcranial Doppler sonography: anatomical landmarks and normal velocity values, Ringelstein EB; Kahlscheuer B; Niggemeyer E; et al, Ultrasound Med Biol 1990; 16: 745

transcranial pulsed Doppler measurements of blood velocity in the middle cerebral artery: reference values at rest and during hyperventilation in healthy volunteers in relation to age and sex, Vriens EM; Kraaier V; Musbach M; et al, Ultrasound Med Biol 1989; 15: 1

transfontanelle pulsed Doppler measurement of blood flow velocity in the internal jugular vein, straight sinus, and internal cerebral vein in preterm and term neonates, Pfannschmidt J; Jorch G, Ultrasound Med Biol 1989; 15: 9

transplant renal artery stenosis: evaluation with duplex sonography, Snider JF; Hunter DW; Moradian GP; Castaneda-Zuniga WR; Letourneau JG, Radiology 1989; 172: 1027

tumor vascularization: assessment with duplex sonography, Dock W; Grabenwöger F; Metz V; Eibenberger K; Farrés MT, Radiology 1991; 181: 241

two-dimensional echocardiography and Doppler color flow abnormalities in aortic root dissection, (ab), Chia BL; Yan PC; Ee BK; et al, Radiology 1989; 171: 588

ultrasonography: RSNA '88 meeting notes, Merritt CRB; Carroll BA; Lawson TL; Mack LA, Radiology 1989; 170: 915

ultrasonography. RSNA '89 meeting notes, Merritt CRB; Lawson TL; Cooperberg PL, Radiology 1990; 174: 604

umbilical and uterine artery flow velocity waveforms: effect of the sampling site on Doppler ratios, Mehalek KE; Rosenberg J; Berkowitz GS; et al, J Ultrasound Med 1989; 8: 171

umbilical artery Doppler blood velocity waveforms in normal and abnormal gestations, Friedman DM; Ehrlich P; Hoskins IA, J Ultrasound Med 1989; 8: 375

ureteral jets in healthy subjects and in patients with unilateral ureteral calculi: comparison with color Doppler US, Burge HJ; Middleton WD; McClennan BL; Hildebolt CF, Radiology 1991; 180: 437

use of color Doppler sonography to distinguish dilated intrahepatic ducts from vascular structures, Ralls PW; Mayekawa DS; Lee KP; et al, AJR 1989; 152: 291

variation of Doppler ultrasound spectral width in the post-stenotic velocity field, Campbell JD; Hutchison KJ; Karpinski E, Ultrasound Med Biol 1989; 15: 611

very high frequency pulsed Doppler apparatus, Berson M; Patat F; Wang ZQ; et al, Ultrasound Med Biol 1989; 15: 121

Ultrasound (US), experimental

clean and dirty shadowing at US: a reappraisal, Rubin JM; Adler RS; Bude RO; Fowlkes JB; Carson PL, Radiology 1991; 181: 231

color-flow US imaging through the analysis of speckle motion, Gardiner WM; Fox MD, Radiology 1989; 172: 866

effects of ultrasound exposure *in vitro* on neuroblastoma cell membranes, Fahnestock M; Rimer VG; Yamawaki RM; et al, Ultrasound Med Biol 1989; 15: 133

endoluminal catheter-assisted transcervical US of the human embryo. work in progress, Ragavendra N; McMahon JT; Perrella RR; Tessler FN; Hansen GC; Kimme-Smith C; Grant EG; Crandall BF, Radiology 1991; 181: 779

evaluation of the inferior vena cava with intravascular US after Greenfield filter placement, Marx MV; Tauscher JR; Williams DM; Greenfield LJ, JVIR 1991; 2: 261

inferior vena caval filter thrombi: evaluation with intravascular US, McCowan TC; Ferris EJ; Carver DK, Radiology 1990; 177: 783

intracranial blood flow: quantification with duplex Doppler and color Doppler flow US, Taylor GA; Short BL; Walker LK; Traystman RJ, Radiology 1990; 176: 231

intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; 176: 523

prenatal and postnatal consequences in the brain and behavior of rats exposed to ultrasound in utero, Norton S; Kimler BF; Cytaki EP; et al, J Ultrasound Med 1991; 10: 69

sonoelasticity imaging: results in in vitro tissue specimens, Lee F Jr; Bronson JP; Lerner RM; Parker KJ; Huang S-R; Roach DJ, Radiology 1991; 181: 237

Ultrasound (US), in infants and children

brain death in infants: evaluation with Doppler US, Glasier CM; Seibert JJ; Chadduck WM; Williamson SL; Leithiser RE Jr, Radiology 1989; 172: 377

circle of Willis in newborns: color Doppler imaging of 53 healthy full-term infants, Mitchell DG; Merton DA; Mirsky PJ; Needleman L, Radiology 1989; **172:** 201

color Doppler imaging of intracranial vessels in the neonate, Wong WS; Tsuruda JS; Liberman RL; et al, AJNR 1989; **10:** 425

color Doppler US imaging during pediatric neurosurgical and neuroradiologic procedures, Barr LL; Babcock DS; Crone KR; Berger TS; Ball WS; Prenger EC, Radiology 1991; **181:** 567

colour Doppler imaging of arteriovenous malformation of the vein of Galen in a newborn, Deeg KH; Scharf J, Neuroradiol 1990; **32:** 60

congenital neuroblastoma: evaluation with multimodality imaging, Forman HP; Leonidas JC; Berdon WE; Slovis TL; Wood BP; Samudrala R, Radiology 1990; **175:** 365

correlative pediatric imaging, Garty I; Delbeke D; Sandler MP, J Nucl Med 1989; **30:** 15

diagnostic value of ultrasound in children with recurrent abdominal pain, van der Meer SB; Forget PP; Arends JW; et al, Pediatr Radiol 1990; **20:** 501

Doppler examination of the kidney in infants and children, Patriquin H, Urol Radiol 1991; **12:** 220

duplex pulsed Doppler US versus intracranial pressure in the neonate: clinical and experimental studies, Seibert JJ; McCowan TC; Chadduck WM; Adametz JR; Glasier CM; Williamson SL; Taylor BJ; Leithiser RE Jr; McConnell JR; Stansell CA; Rodgers AB; Corbitt SL, Radiology 1989; **171:** 155

extracardiac chest ultrasonography in infants and children: radiographic and clinical implications, (ab), Glasier CM; Leithiser RE Jr; Williamson SL; et al, Radiology 1990; **174:** 296

hemolytic-uremic syndrome: intrarenal arterial Doppler patterns as a useful guide to therapy, Patriquin HB; O'Regan S; Robitaille P; Paltiel H, Radiology 1989; **172:** 625

hepatoblastoma: detection of tumor vascularity with duplex Doppler US, Bates SM; Keller MS; Ramos IM; Carter D; Taylor KJW, Radiology 1990; **176:** 505

hyperechoic renal medullary pyramids in infants and children, Hernanz-Schulman M, Radiology 1991; **181:** 9

hyperechoic renal medullary pyramids in infants and children, Shultz PK; Strife JL; Strife CF; McDaniel JD, Radiology 1991; **181:** 163

hypertrophic pyloric stenosis: use of the pyloric volume measurement in early US diagnosis, Westra SJ; de Groot CJ; Smits NJ; Staalman CR, Radiology 1989; **172:** 615

increased renal parenchymal echogenicity: causes in pediatric patients, Kraus RA; Gaisie G; Young LW, Radiographics 1990; **10:** 1009

increased renal parenchymal echogenicity in the fetus: importance and clinical outcome, Estroff JA; Mandell J; Benacerraf BR, Radiology 1991; **181:** 135

infant hip ultrasound, Scott ST, Clin Radiol 1989; **40:** 551

interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; **178:** 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; **178:** 889

intrauterine spermatic cord torsion in the newborn: sonographic and pathologic correlation, Brown SM; Casillas VJ; Montalvo BM; Albores-Saavedra J, Radiology 1990; **177:** 755

linear areas of echogenicity in the thalami and basal ganglia of neonates: an expanded association: work in progress, Hughes P; Weinberger E; Shaw DWW, Radiology 1991; **179:** 103

neonatal necrotizing enterocolitis: air in Morison pouch, Brill PW; Olson SR; Winchester P, Radiology 1990; **174:** 469

neonatal systemic candidiasis diagnosed by ultrasound, Tung KT; MacDonald LM; Smith JC, Acta Radiol 1990; **31:** 293

normal thymus in infancy: sonographic characteristics, Han BK; Babcock DS; Oestreich AE, Radiology 1989; **170:** 471

pediatric case of the day, Buonomo C; Griscom NT, Radiographics 1991; **11:** 1146

pediatric gynecologic sonography, Siegel MJ, Radiology 1991; **179:** 593

pediatric radiology. RSNA '88 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; Miller JH; Slovis TL, Radiology 1989; **170:** 600

pediatric radiology. RSNA '89 meeting notes, Kirks DR; Ball WS Jr; Bisset GS III; McAlister WH; Miller JH; Slovis TL; Wood BP, Radiology 1990; **174:** 600

pediatric radiology. RSNA '90 meeting notes, Wood BP; Bisset G III; McAlister W; Miller JH; Nelson MD Jr; Newman B; Slovis TL; Towbin R, Radiology 1991; **178:** 596

performing dynamic sonography of the infant hip, Harcke HT; Grissom LE, AJR 1990; **155:** 837

prediction of neurodevelopmental outcome in the preterm infant: MR-staged myelination compared with cranial US, Guit GL; van de Bor M; den Ouden L; Wondergem JHM, Radiology 1990; **175:** 107

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US, Algra PR; Barkhof F; Valk J, Radiology 1990; **177:** 885

prediction of neurodevelopmental outcome in the preterm infant: MR imaging vs. US: reply, Guit GL; van de Bor M, Radiology 1990; **177:** 885

renal Doppler sonography in infants and children, Keller MS, Radiology 1989; **172:** 603

right carotid artery ligation in neonates: classification of collateral flow with color Doppler imaging, Mitchell DG; Merton DA; Graziani LJ; Desai HJ; Desai SA; Wolfson PJ; Gross GW, Radiology 1990; **175:** 117

right common carotid artery ligation for extracorporeal membrane oxygenation: cerebral blood flow velocity measurement with Doppler duplex US, Matsumoto JS; Babcock DS; Brody AS; Weiss RG; Ryckman FG; Hiyama D, Radiology 1990; **175:** 757

simple renal cysts in children: diagnosis and follow-up with US, McHugh K; Stringer DA; Hebert D; Babiak CA, Radiology 1991; **178:** 383

sonographic pitfalls in imaging of the antropyloric region in infants, Swischuk LE; Hayden CK Jr; Stansberry SD, Radiographics 1989; **9:** 437

ultrasound diagnosis of nephrocalcinosis in preterm infants, (ab), Woolfield N; Haslam R; Le Quesne G; et al, Radiology 1989; **170:** 590

ultrasound findings in dengue haemorrhagic fever, Pramuljo HS; Harun SR, Pediatr Radiol 1991; **21:** 100

ultrasound for the repeated localization of a soft tissue expander injection port in a pediatric patient, Egerszegi EP; Babyn P; Zuker RM, J Ultrasound Med 1990; **9:** 111

ultrasound in advanced pediatric osteomyelitis: a report of 5 cases, Williamson SL; Seibert JJ; Glasier CM; et al, Pediatr Radiol 1991; **21:** 288

ultrasound of the septum pellucidum: recognition of evolving fenestrations in the hydrocephalic infant, Cohen HL; Haller JO; Pollack A, J Ultrasound Med 1990; **9:** 377

urachal remnants: sonographic demonstration in children, Cacciarelli AA; Kass EJ; Yang SS, Radiology 1990; **174:** 473

ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; **175:** 349

usefulness of a short femur in the in utero detection of skeletal dysplasias, Kurtz AB; Needleman L; Wapner RJ; Hilpert P; Kuhlman K; Burns PN; Feld RI; Mitchell DG; Segal S; Blum L; Berkey H; Goldberg BB, Radiology 1990; **177:** 197

US of the gastrointestinal tract, Carroll BA, Radiology 1989; **172:** 605

US of the neonatal head, (ab), Slovis TL, Radiology 1991; **178:** 592

Ultrasound (US), intraoperative

fate of unrepaired minor technical defects detected by intraoperative ultrasonography during carotid endarterectomy, (ab), Sawchuk AP; Flanigan DP; Machi J, Radiology 1989; **173:** 884

insulinoma: the value of intraoperative ultrasonography, (ab), Grant CS; van Heerden J; Charboneau W; et al, Radiology 1989; **170:** 287

intracerebral arteriovenous malformations: intraoperative color Doppler flow imaging, Rubin JM; Hatfield MK; Chandler WF; Black KL; DiPietro MA, Radiology 1989; **170:** 219

intramedullary lesions of the pediatric spinal cord: correlation of findings from MR imaging, intraoperative sonography, surgery, and histologic study, Brunberg JA; DiPietro MA; Venes JL; Dauser RC; Muraszko KM; Berkey GS; D'Amato CJ; Rubin JM, Radiology 1991; **181:** 573

intraoperative guidance for intrauterine procedures with transrectal sonography, Fleischer AC; Burnett LS; Murray MJ; Jones HW III, Radiology 1990; **176:** 576

intraoperative myocardial contrast echocardiography for assessment of regional bypass perfusion, (ab), Mudra H; Zwehl W; Klauss V; et al, Radiology 1991; **180:** 294

intraoperative real-time ultrasonic scanning for microwave coagulation of the prostate, Harada T; Kigure T; Kumazaki T; et al, Urol Radiol 1990; **12:** 45

intraoperative sonography in low-grade gliomas, Hatfield MK; Rubin JM; Gebarski SS; et al, J Ultrasound Med 1989; **8:** 131

intraoperative sonography of cervical spinal cord injury: results in 30 patients, Mirvis SE; Geisler FH, AJNR 1990; **11:** 755

intraoperative sonography of cervical spinal cord injury: results in 30 patients, Mirvis SE; Geisler FH, AJR 1990; **155:** 603

intraoperative sonography of hepatocellular carcinoma: detection of lesions and validity in surgical resection, Choi BI; Han JK; Song IS; et al, Gastrointest Radiol 1991; **16:** 329

intraoperative ultrasonic imaging of the ascending aorta in ischemic heart disease, (ab), Ohteki H; Itoh T; Natsuaki M; et al, Radiology 1991; **179:** 295

intraoperative ultrasound in the conservative resection of testicular neoplasms, (ab), Buckspan MB; Klotz PG; Goldfinger M; et al, Radiology 1989; **172:** 885

intra-operative ultrasound localization of an insulinoma undetected pre-operatively, Clyne CAC; Greene WJ; Paisey RB, JCU 1991; **19:** 419

intraoperative ultrasound of the liver affects operative decision making, (ab), Parker GA; Lawrence W Jr; Horsley JS; et al, Radiology 1989; **173:** 585

liver metastases: results of percutaneous ethanol injection in 14 patients, Livraghi T; Vettori C; Lazzaroni S, Radiology 1991; **179:** 709

lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, Montalvo BM; Quencer RM; Brown MD; et al, AJNR 1990; **11:** 31

lumbar disk herniation and canal stenosis: value of intraoperative sonography in diagnosis and surgical management, Montalvo BM; Quencer RM; Brown MD; et al, AJR 1990; **154:** 821

operative ultrasound guidance for various surgical procedures, Machi J; Sigel B; Kurohiji T; et al, Ultrasound Med Biol 1990; **16:** 37

overview of benefits of operative ultrasonography during a ten year period, Machi J; Sigel B, J Ultrasound Med 1989; **8:** 647

prospective comparison of preoperative imaging and intraoperative ultrasonography in the detection of liver tumors, (ab), Clarke MP; Kane RA; Steele G Jr; et al, Radiology 1990; **175:** 587

routine intraoperative ultrasonography for second trimester abortion reduces incidence of uterine perforation, Darney PD; Sweet RL, J Ultrasound Med 1989; **8:** 71
transdiaphragmatic liver scanning: a new intraoperative imaging technique for examination of the liver from the thoracic cavity, Machi J; Sigel B; Kurohiji T; et al, JCU 1990; **18:** 31
use of intraoperative ultrasonography in the surgical correction of a transverse vaginal septum, Edwards-Freeman C; Amin HK; Abiri M; et al, JCU 1991; **19:** 48
US-guided transvaginal drainage of pelvic abscesses and fluid collections, vanSonnenberg E; D'Agostino HB; Casola G; Goodacre BW; Sanchez RB; Taylor B, Radiology 1991; **181:** 53

Ultrasound (US), pediatric
See Ultrasound (US), in infants and children

Ultrasound (US), physics
AAPM tutorial: Doppler US: the basics, Merritt CRB, Radiographics 1991; **11:** 109
clinical benefit of higher acoustic output levels, Kremkau FW, Ultrasound Med Biol 1989; **15:** S69
color Doppler imaging: principles, limitations, and artifacts, Mitchell DG, Radiology 1990; **177:** 1
Doppler US: part I. basic principles, instrumentation, and pitfalls, Taylor KJW; Holland S, Radiology 1990; **174:** 297
effects of transducer beam geometry and flow velocity profile on the Doppler power spectrum: a theoretical study, Bascom PAJ; Cobbold RSC, Ultrasound Med Biol 1990; **16:** 279
FDA model for regulatory purposes, Stratmeyer ME, Ultrasound Med Biol 1989; **15:** S35
gallstone lithotripsy: relevant physical principles and technical issues, Davros WJ; Garra BS; Zeman RK, Radiology 1991; **178:** 397
NCRP-AIUM models for temperature calculations, Nyborg WL, Ultrasound Med Biol 1989; **15:** S37
relationship between image quality and ultrasound exposure level in diagnostic US devices, Harris GR; Stewart HF; Leo FP; Sanders RC, Radiology 1989; **173:** 313
sound velocity choice for modeling and measurement, Carpenter DA, Ultrasound Med Biol 1989; **15:** S23
statistical uncertainty in ultrasonic backscatter and attenuation coefficients determined with a reference phantom, Yao LX; Zagzebski JA; Madsen EL, Ultrasound Med Biol 1991; **17:** 187
theoretical criterion for acoustic aggregation, Nyborg WL, Ultrasound Med Biol 1989; **15:** 93
ultrasonic imaging of the nonlinear parameter *B/A*: simulation studies to evaluate phase and frequency modulation methods, Kim D; Greenleaf JF; Sehgal CM, Ultrasound Med Biol 1990; **16:** 175

Ultrasound (US), technology
absorption in liver at the focus of an ultrasonic shock wave field, Fry FJ; Reilly CR; Dines KA; et al, Ultrasound Med Biol 1991; **17:** 65
acoustic data of Japanese ultrasonic diagnostic equipment, Ide M, Ultrasound Med Biol 1989; **15:** S49
acoustic output of ultrasound equipment: summary of data reported to the AIUM, Zagzebski JA, Ultrasound Med Biol 1989; **15:** S55
acoustic power measurements of Doppler ultrasound devices used for perinatal and infant examinations. Rabe H; Grohs B; Schmidt RM; et al, Pediatr Radiol 1990; **20:** 277
assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; **177:** 265
automatic detection of inter-frame motion in echocardiographic images, Klingler JW; Begeman MS; Fraker TD Jr; et al, Ultrasound Med Biol 1989; **15:** 683
breast sonography: technique, equipment, and normal anatomy, Bassett LW; Kimme-Smith C, Semin US CT MR 1989; **10:** 82
classification of ultrasonic image texture by statistical discriminant analysis and neural networks, DaPonte JS; Sherman P, Comput Med Imag Graph 1991; **15:** 3
clean and dirty shadowing at US: a reappraisal, Rubin JM; Adler RS; Bude RO; Fowlkes JB; Carson PL, Radiology 1991; **181:** 231
clinical efficacy of Kitecko ultrasonic conductor, Pozniak MA; Crass JR; Zagzebski J; et al, Invest Radiol 1989; **24:** 128
clinical evaluation of a digital signal-processing device for real-time speckle suppression in medical ultrasonics, Loupas T; Allan PL; McDicken WN, Br J Radiol 1989; **62:** 761
clinical performance of a cone/annular array ultrasound breast scanner, Fishell EK; Foster FS; Connor T; et al, Ultrasound Med Biol 1990; **16:** 361
color Doppler imaging: principles, limitations, and artifacts, Mitchell DG, Radiology 1990; **177:** 1
color-flow US imaging through the analysis of speckle motion, Gardiner WM; Fox MD, Radiology 1989; **172:** 866
combined reflection and transmission ultrasound imaging, Green PS; Ostrem JS; Whitehurst TK, Ultrasound Med Biol 1991; **17:** 283
completely computer-focused ultrasound imaging: first clinical imaging results, Koivukangas J; Tervonen O; Alasaarela E; et al, J Ultrasound Med 1989; **8:** 675
computer analysis and pattern recognition of Doppler blood flow spectra for disease classification in the lower limb arteries, Allard L; Langlois YE; Durand L-G; et al, Ultrasound Med Biol 1991; **17:** 211
continuous-wave and pulsed Doppler studies of the breast: clinical results and effect of transducer frequency, Madjar H; Sauerbrei W; Münch S; et al, Ultrasound Med Biol 1991; **17:** 31
correction of refraction and other angle errors in beam tracking speed of sound estimations using multiple tracking transducers, Shattuck DP; Ophir J; Johnson GW; et al, Ultrasound Med Biol 1989; **15:** 673
definition of anatomical planes for use in transvaginal sonography, Dodson MG; Deter RL, JCU 1990; **18:** 239
development of a 12 element annular array transducer for realtime ultrasound imaging, Foster FS; Larson JD; Mason MK; et al, Ultrasound Med Biol 1989; **15:** 649
diagnostic ultrasound equipment: safety and dosimetry, Thijssen JM; van Beekum WT; Daniëls O; et al, Eur J Radiol 1989; **9:** 51
digital annular array prototype scanner for realtime ultrasound imaging, Foster FS; Larson JD; Pittaro RJ; et al, Ultrasound Med Biol 1989; **15:** 661
discriminatory zone of β-hCG for vaginal probes, Peisner DB; Timor-Tritsch IE, JCU 1990; **18:** 280
Doppler US: part I. basic principles, instrumentation, and pitfalls, Taylor KJW; Holland S, Radiology 1990; **174:** 297
endoluminal US: experiments with nonvascular uses in animals, Goldberg BB; Liu J-B; Merton DA; Kurtz AB, Radiology 1990; **175:** 39
estimation of ultrasound beam width in the elevation (section thickness) plane, Skolnick ML, Radiology 1991; **180:** 286
evaluation of image quality of ultrasound scanners in medical diagnostics, Alasaarela E; Koivukangas J, J Ultrasound Med 1990; **9:** 23
evaluation of in vitro measurement accuracy of a three-dimensional ultrasound scanner, King DL; King DL Jr; Shao MY-C, J Ultrasound Med 1991; **10:** 77
experience with portable ultrasound equipment and measurement of urine volumes: inter-user reliability and factors of patient position, (ab), Massagli TL; Gardenas DD; Kelly EW, Radiology 1990; **175:** 589
frequency measurements in real-time US equipment: variations from expected values, Kimme-Smith C; Duerinckx AJ; Kaiser S; Jones JP; Tessler FN; Bassett LW, Radiology 1989; **172:** 449
gallstone lithotripsy: relevant physical principles and technical issues, Davros WJ; Garra BS; Zeman RK, Radiology 1991; **178:** 397
high-resolution computerized color transformation of real-time gray scale ultrasound images, Toma SK; Seeds JW; Cefalo RC, JCU 1989; **17:** 353
inexpensive technique for hard copy demonstration of color flow data using gray-scale format, Gorman JD; Burks DD, J Ultrasound Med 1990; **9:** 611
influence of various instrument settings on the flow information derived from the power mode, Jain SP; Fan PH; Philpot EF; et al, Ultrasound Med Biol 1991; **17:** 49
intravascular US of the distal aorta and iliac vessels: initial feasibility studies, Nishimura RA; Welch TJ; Stanson AW; Sheedy PF II; Holmes DR Jr, Radiology 1990; **176:** 523
linear array test tool, Goldstein A; Ranney D; McLeary RD, J Ultrasound Med 1989; **8:** 385
manufacturer's viewpoint, Dellinger J, Ultrasound Med Biol 1989; **15:** S71
new class of pulsed Doppler US ambiguity at short ranges, Gill RW; Kossoff MB; Kossoff G; Griffiths KA, Radiology 1989; **173:** 272
new contrast-detail phantoms for improved precision in lesion detection measurements, Smith SW; Insana MF; Lopez H, Ultrasound Med Biol 1989; **15:** 383
new scans from old: digital reformatting of ultrasound images, Halliwell M; Jenkins D; Jackson PC; et al, Br J Radiol 1989; **62:** 824
output data from European studies, Duck FA, Ultrasound Med Biol 1989; **15:** S61
phase cancellation: a cause of acoustical shadowing at the edges of curved surfaces in B-mode ultrasound images, Rubin JM; Adler RS; Fowlkes JB; et al, Ultrasound Med Biol 1991; **17:** 85
plastic wrap for ultrasound transducers: herpes simplex virus transmission, Garland SM; Newnan DM; de Crespigny LC, J Ultrasound Med 1989; **8:** 661
polyplanar endorectal ultrasound, (ab), Schneider IHF; Hebel RM; Kreitz G; et al, Radiology 1990; **177:** 890
pulse-echo imaging using a nondiffracting beam transducer, Lu J-Y; Greenleaf JF, Ultrasound Med Biol 1991; **17:** 265
pump maneuver: an atraumatic adjunct to enhance US needle tip localization, Bisceglia M; Matalon TAS; Silver B, Radiology 1990; **176:** 867
real-time adaptive ultrasonic imaging system, Trahey GE; Zhao D; Freiburger PD; et al, Invest Radiol 1990; **25:** 1029
real-time autoregressive spectrum analyzer for Doppler ultrasound signals, Schlindwein FS; Evans DH, Ultrasound Med Biol 1989; **15:** 263
relationship between image quality and ultrasound exposure level in diagnostic US devices, Harris GR; Stewart HF; Leo FP; Sanders RC, Radiology 1989; **173:** 313
review of current IEC activities in acoustic output standardization of medical ultrasonic equipment, Preston RC, Ultrasound Med Biol 1989; **15:** S101
role of transrectal ultrasonography in the diagnosis and management of prostatic and seminal vesicle cysts, (ab), Shabsigh R; Lerner S; Fishman IJ; et al, Radiology 1989; **173:** 291
seeing with sound, Leopold GR, Radiology 1990; **175:** 23
simulation of transit time effects in Doppler ultrasound signals, Jones SA; Giddens DP, Ultrasound Med Biol 1990; **16:** 607
sonographic technique to reduce beam distortion by curved interfaces, Kossoff G; Carpenter DA; Robinson DE; et al, Ultrasound Med Biol 1989; **15:** 375
statements, recommendations and guidelines for diagnostic equipment: overview, Nyborg WL, Ultrasound Med Biol 1989; **15:** S85
teaching phantom for sonographers, Zagzebski JA; Madsen EL; Frank GR, JCU 1991; **19:** 27
testing ultrasonic pulsed Doppler instruments with a physiologic string phantom, Phillips DJ; Hossack J; Beach KW; et al, J Ultrasound Med 1990; **9:** 429
three-dimensional spatial registration and interactive display of position and orientation of real-time ultrasound images, King DL; King DL Jr; Shao MY-C, J Ultrasound Med 1990; **9:** 525

transvaginal imaging: applied physical principles and terms, Thaler I; Manor D, JCU 1990; 18: 235

transvaginal sonographic technique: targeted organ scanning without resorting to "planes", Rottem S; Thaler I; Goldstein SR; et al, JCU 1990; 18: 243

ultrasonic attenuation maps of liver based on a conventional B-scan and an amplitude loss technique, Shmulewitz A; Heyman Z; Walach E; et al, Invest Radiol 1990; 25: 1095

ultrasonic multipurpose/multiplane endoprobe, Holm HH; Myschetzky P; Nielsen L; et al, Acta Radiol 1990; 31: 630

ultrasonography: RSNA '88 meeting notes, Merritt CRB; Carroll BA; Lawson TL; Mack LA, Radiology 1989; 170: 915

use of an acoustic transponder for US visualization of biopsy needles, Winsberg F; Mitty HA; Shapiro RS; Yeh H-C, Radiology 1991; 180: 877

use of an infrared touch-screen to control the sensitivity of ultrasound scanners in clinical practice, Pye SD; Elliott V; Marshall I; et al, Br J Radiol 1989; 62: 1014

use of frequency mixing to distinguish size distributions of gas-filled micropores, Quain RM; Waag RC; Miller MW, Ultrasound Med Biol 1991; 17: 71

US guidance of interventional procedures, Matalon TAS; Silver B, Radiology 1990; 174: 43

US guidance of interventional procedures, Yeung EY; Thurston W; Quigley MJ; Ho C-S, Radiology 1990; 176: 289

US guidance of interventional procedures: reply, Silver B; Matalon TAS, Radiology 1990; 176: 290

volume measurement by ultrasonic transverse or sagittal cross-sectional scanning, Basset O; Gimenez G; Mestas JL; et al, Ultrasound Med Biol 1991; 17: 291

Ultrasound (US), therapeutic

advanced ultrasonic techniques for local tumor hyperthermia, Lele PP, Radiol Clin North Am 1989; 27: 559

development of scanned focussed ultrasound hyperthermia: clinical response evaluation, Harari PM; Hynynen KH; Roemer RB; et al, Int J Radiat Oncol Biol Phys 1991; 21: 831

effect of therapeutic ultrasound on angiogenesis, Young SR; Dyson M, Ultrasound Med Biol 1990; 16: 261

effect of therapeutic ultrasound on electrophysiological parameters of frog skin, Dinno MA; Crum LA; Wu J, Ultrasound Med Biol 1989; 15: 461

effects of physical parameters on high temperature ultrasound hyperthermia, Billard BE; Hynynen K; Roemer RB, Ultrasound Med Biol 1990; 16: 409

lack of induced increase in sister chromatid exchanges in human lymphocytes exposed to *in vivo* therapeutic ultrasound, Miller MW; Azadniv M; Cox C; et al, Ultrasound Med Biol 1991; 17: 81

macrophage responsiveness to therapeutic ultrasound, Young SR; Dyson M, Ultrasound Med Biol 1990; 16: 809

ultrasonically induced disruption and hemolysis of vitreous hemorrhages, Lucas BC; Driller J; Iwamoto T; et al, Ultrasound Med Biol 1989; 15: 29

Ultrasound (US), tissue characterization

acoustic models for tissue: overview, Ziskin MC, Ultrasound Med Biol 1989; 15: S21

autocorrelation length of normal and myopathic human myocardium measured by acoustic microscopy: implications for clinical ultrasonic tissue characterization, Linker DT; Angelsen BAJ; Popp RL, Ultrasound Med Biol 1990; 16: 793

bright echogenic foci in early prostatic carcinoma: sonographic and pathologic correlation, Hamper UM; Sheth S; Walsh PC; Epstein JI, Radiology 1990; 176: 339

color Doppler imaging: principles, limitations, and artifacts, Mitchell DG, Radiology 1990; 177: 1

correlation of tissue constituents with the acoustic properties of skin and wound, Olerud JE; O'Brien WD Jr; Riederer-Henderson MA; et al, Ultrasound Med Biol 1990; 16: 55

diffraction correction methods for pulse-echo acoustic attenuation estimation, Céspedes I; Ophir J, Ultrasound Med Biol 1990; 16: 707

ectopic pregnancy: duplex Doppler evaluation, Taylor KJW; Ramos IM; Feyock AL; Snower DP; Carter D; Shapiro BS; Meyer WR; De Cherney AH, Radiology 1989; 173: 93

endoscopic US in the staging of esophageal and gastric cancer, Baker MK; Kopecky KK, Radiology 1991; 181: 342

evaluation of an *in vivo* local sound speed estimation technique by the crossed beam method, Kondo M; Takamizawa K; Hirama M; et al, Ultrasound Med Biol 1990; 16: 65

hepatic ultrasonic tissue characterization of video image data, Kader KL; Hubbard S; Carroll BA, Invest Radiol 1990; 25: 1091

intravascular thrombosis: definitive detection by quantitative tissue characterization in vitro, Barzilai B; Eisen HE, JCU 1989; 17: 579

neuromuscular diseases: evaluation with high-frequency sonography, Dock W; Happak W; Grabenwöger F; Toifl K; Bittner R; Gruber H, Radiology 1990; 177: 825

parameter estimation for nonlinear frequency dependent attenuation in soft tissue, He P; McGoron A, Ultrasound Med Biol 1989; 15: 757

placental hypoechoic-anechoic areas and infarction: sonographic-pathologic correlation, Harris RD; Simpson WA; Pet LR; Marin-Padilla M; Crow HC, Radiology 1990; 176: 75

preoperative staging of esophageal cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Urmacher C; Brennan MF, Radiology 1991; 181: 419

preoperative staging of gastric cancer: comparison of endoscopic US and dynamic CT, Botet JF; Lightdale CJ; Zauber AG; Gerdes H; Winawer SJ; Urmacher C; Brennan MF, Radiology 1991; 181: 426

relative attenuation measurements of ultrasound in the liver using the zerocrossing method, Fredfeldt K-E, Acta Radiol 1989; 30: 299

"sonoelasticity" images derived from ultrasound signals in mechanically vibrated tissues, Lerner RM; Huang SR; Parker KJ, Ultrasound Med Biol 1990; 16: 231

sonographic evaluation of the placenta: importance of pathologic correlation, Spirt BA; Gordon LP, Radiology 1990; 176: 9

splenic infarction: sonographic patterns, diagnosis, follow-up, and complications, Goerg C; Schwerk WB, Radiology 1990; 174: 803

texture in tissue echograms: speckle or information?, Thijssen JM; Oosterveld BJ, J Ultrasound Med 1990; 9: 215

tissue characterisation, Taylor KJW; Wells PNT, Ultrasound Med Biol 1989; 15: 471

tissue characterization of atheromatous plaques: correlation between ultrasound image and histological findings, Goes E; Janssens W; Maillet B; et al, JCU 1990; 18: 611

tissue characterization of chronic myocardial infarction, Scholz TD; Vandenberg BF; Fleagle SR; et al, Invest Radiol 1990; 25: 1120

tissue response to mechanical vibrations for "sonoelasticity imaging", Parker KJ; Huang SR; Musulin RA; et al, Ultrasound Med Biol 1990; 16: 241

ultrasonic assessment of skin and surgical wounds utilizing backscatter acoustic techniques to estimate attenuation, Forster FK; Olerud JE; Riederer-Henderson MA; et al, Ultrasound Med Biol 1990; 16: 43

ultrasonic attenuation maps of liver based on a conventional B-scan and an amplitude loss technique, Shmulewitz A; Heyman Z; Walach E; et al, Invest Radiol 1990; 25: 1095

ultrasonic characterization of selected renal tissues, Turnbull DH; Wilson SR; Hine AL; et al, Ultrasound Med Biol 1989; 15: 241

Ultrasound (US), utilization

assurance of consistent peak-velocity measurements with a variety of duplex Doppler instruments, Kimme-Smith C; Hussain R; Duerinckx AJ; Tessler FN; Grant E, Radiology 1990; 177: 265

clinical activities of pediatric radiologists in the United States and Canada: 10-year follow-up, Forman HP; Leonidas JC; Kirks DR, Radiology 1990; 175: 127

laparoscopic cholecystectomy: evaluation with sonography, Kang EH; Middleton WD; Balfe DM; Soper NJ, Radiology 1991; 181: 439

renal Doppler sonography in infants and children, Keller MS, Radiology 1989; 172: 603

US-guided venipuncture for venography in the edematous leg, Johns CM; Sumkin JH, Radiology 1991; 180: 573

Ultrasound (US) guidance

amniocentesis needle with improved sonographic visibility, Hurwitz SR; Nageotte MP, Radiology 1989; 171: 576

angiosarcoma of the seminal vesicle: early detection using transrectal ultrasound-guided biopsy, Panageas E; Kuligowska E; Dunlop R; et al, JCU 1990; 18: 666

biopsy gun, (ab), Lindgren PG, Radiology 1991; 181: 296

biopsy of the pancreas with a biopsy gun, Elvin A; Andersson T; Scheibenpflug L; Lindgren PG, Radiology 1990; 176: 677

calcaneal bone cyst: sonographic findings and ultrasound-guided aspiration biopsy, Fornage BD; Richli WR; Chuapetcharasopon C, JCU 1991; 19: 360

color Doppler US imaging during pediatric neurosurgical and neuroradiologic procedures, Barr LL; Babcock DS; Crone KR; Berger TS; Ball WS; Prenger EC, Radiology 1991; 181: 567

CT and sonographically guided needle biopsy: current techniques and new innovations, Charboneau JW; Reading CC; Welch TJ, AJR 1990; 154: 1

CT or US-guided fine needle aspiration biopsy in gastric neoplasms, Bree RL; McGough MF; Schwab RE, JCAT 1991; 15: 565

diagnosis of hepatic cavernous hemangioma by fine needle aspiration biopsy under ultrasonic guidance, Nakaizumi A; Iishi H; Yamamoto R; et al, Gastrointest Radiol 1990; 15: 39

diagnostic fine-needle puncture of the gallbladder, Herbetko J; Fache JS; Hoskins S; Hacking N; Dewbury KC, Radiology 1991; 180: 586

diagnostic fine-needle puncture of the gallbladder with US guidance, Swobodnik W; Hagert N; Janowitz P; Wenk H, Radiology 1991; 178: 755

endovaginal sonography for guidance in draining pelvic fluid collections, Abbitt PL; Goldwag S; Urbanski S, AJR 1990; 154: 849

first trimester selective reduction in multiple pregnancy guided by transvaginal sonography, Itskovitz J; Boldes R; Thaler I; et al, JCU 1990; 18: 323

Franzén transrectal fine-needle biopsy versus ultrasound-guided transrectal core biopsy of the prostate gland, Adolfsson J; Skoog L; Löwhagen T; et al, Acta Oncol 1991; 30: 159

guidance for cerclage using transrectal sonography, Fleischer AC; Lombardi S; Kepple DM, J Ultrasound Med 1989; 8: 589

improved needle-tip visualization by color Doppler sonography, Hamper UM; Savader BL; Sheth S, AJR 1991; 156: 401

interventional breast ultrasonography, D'Orsi CJ; Mendelson EB, Semin US CT MR 1989; 10: 132

intraoperative guidance for intrauterine procedures with transrectal sonography, Fleischer AC; Burnett LS; Murray MJ; Jones HW III, Radiology 1990; 176: 576

major complications and deaths due to interventional ultrasonography: a review of 8000 cases, Nolsøe CP; Nielsen L; Torp-Pedersen S; et al, JCU 1990; 18: 179

needle holder for use with a biopsy gun, Chenoweth JL; Patel B, Radiology 1991; 181: 285

needle tip echogenicity: a study with real time ultrasound, Bondestam S; Kreula J, Invest Radiol 1989; **24:** 555

oocyte retrieval in an in vitro fertilization–embryo transfer program: comparison of four methods, Wiseman DA; Short WB; Pattinson HA; Taylor PJ; Nicholson SF; Elliott PD; Fleetham JA; Mortimer ST, Radiology 1989; **173:** 99

operative ultrasound guidance for various surgical procedures, Machi J; Sigel B; Kurohiji T; et al, Ultrasound Med Biol 1990; **16:** 37

palpable masses in the prostate: superior accuracy of US-guided biopsy compared with accuracy of digitally guided biopsy, Rifkin MD; Alexander AA; Pisarchick J; Matteucci T, Radiology 1991; **179:** 41

palpable prostatic nodules: comparison of US and digital guidance for fine-needle aspiration biopsy, Ajzen SA; Goldenberg SL; Allen GJ; Cooperberg PL; Chan NH; Jones EC, Radiology 1989; **171:** 521

percutaneous biopsy of thoracic lesions: value of sonography for needle guidance, Ikezoe J; Morimoti S; Arisawa J; et al, AJR 1990; **154:** 1181

percutaneous fine-needle aspiration of bowel wall abnormalities under ultrasonic guidance, Abbitt PL, JCU 1991; **19:** 310

percutaneous placement of Hickman catheters: comparison of sonographically guided and blind techniques, Laméris JS; Post PJM; Zonderland HM; et al, AJR 1990; **155:** 1097

percutaneous procedures guided for color-flow Doppler sonography, McNamara MP Jr, AJR 1989; **152:** 1123

percutaneous ultrasound-guided management of pericardial fluid, Sanders WHJ; Lampmann LEH, Eur J Radiol 1991; **12:** 147

postangiographic femoral artery injuries: nonsurgical repair with US-guided compression, Fellmeth BD; Roberts AC; Bookstein JJ; Freischlag JA; Forsythe JR; Buckner NK; Hye RJ, Radiology 1991; **178:** 671

postcatheterization femoral artery injuries: is there a role for nonsurgical treatment?, Dorfman GS; Cronan JJ, Radiology 1991; **178:** 629

preliminary experience with the Berger neurobiopsy device for ultrasound guided aspiration and biopsy of intracranial lesions, Borgstein RL; Moxon RA; Hately W; et al, Clin Radiol 1991; **44:** 98

preparation of a homemade ultrasound biopsy phantom, McNamara MP Jr; McNamara ME, JCU 1989; **17:** 456

pump maneuver: an atraumatic adjunct to enhance US needle tip localization, Bisceglia M; Matalon TAS; Silver B, Radiology 1990; **176:** 867

random systematic versus directed ultrasound guided transrectal core biopsies of the prostate, (ab), Hodge KK; McNeal JE; Terris MK; et al, Radiology 1990; **174:** 900

review article: interventional ultrasound, Holm HH, Br J Radiol 1991; **64:** 379

role of transvaginal sonography in chorionic villi sampling, Popp LW; Ghirardini G, JCU 1990; **18:** 315

role of ultrasound guided fine needle aspiration biopsy in the diagnosis of hepatocellular carcinoma, (ab), Sbolli G; Fornari F; Civardi G; et al, Radiology 1991; **179:** 589

safety and efficacy of a spring-propelled 18-gauge needle for US-guided liver biopsy, Sheets PW; Brumbaugh CJ; Kopecky KK; Pound DC; Filo RS, JVIR 1991; **2:** 147

simple phantom for learning needle placement for sonographically guided biopsy, Metzger TS; Silver B; Matalon TAS, AJR 1990; **154:** 847

simple phantom for training in ultrasound-guided needle biopsy using the freehand technique, Fornage BD, J Ultrasound Med 1989; **8:** 701

small, deep pelvic abscesses: definition and drainage guided with an endovaginal probe, VanDerKolk HL, Radiology 1991; **181:** 283

sonographically guided arthrocentesis of the hip, Mayekawa DS; Ralls PW; Kerr RM; et al, J Ultrasound Med 1989; **8:** 665

sonographic appearance and ultrasound-guided fine-needle aspiration biopsy of breast carcinomas smaller than 1 cm^3, Fornage BD; Sneige N; Faroux MJ; et al, J Ultrasound Med 1990; **9:** 559

sonographic detection and fine-needle aspiration biopsy of nonpalpable recurrent or metastatic melanoma in subcutaneous tissues, Fornage BD; Lorigan JG, J Ultrasound Med 1989; **8:** 421

transrectal ultrasound guided needle biopsy of recurrent vaginal mass in a 23 month old girl, Mandell MJ; Thieme GA; Eggli KD; et al, Pediatr Radiol 1989; **20:** 120

transrectal ultrasound in the diagnosis and staging of prostatic carcinoma, Lee F Jr; Torp-Pedersen ST; Siders DB; Littrup PJ; McLeary RD, Radiology 1989; **170:** 609

transvaginal ultrasonically guided follicular aspiration: a comparative study with laparoscopically guided follicular aspiration, Gonen Y; Blanker J; Casper RF, JCU 1990; **18:** 257

Tru-Cut biopsy of mediastinal masses guided by real-time sonography, Sawhney S; Jain R; Berry M, Clin Radiol 1991; **44:** 16

ultrasonically guided percutaneous drainage of breast abscesses, Karstrup S; Nolsøe C; Brabrand K; et al, Acta Radiol 1990; **31:** 157

ultrasonically guided percutaneous implantation of iodine-125 seeds in pancreatic carcinoma, Joyce F; Burcharth F; Holm HH; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1049

ultrasonically guided percutaneous treatment of liver abscesses, Juul N; Sztuk FJS; Torp-Pedersen S; et al, Acta Radiol 1990; **31:** 275

ultrasonically guided subclavian vein catheterization, Nolsøe CP; Nielsen L; Karstrup S; et al, Acta Radiol 1989; **30:** 108

ultrasound: a method of brain abscess drainage monitoring, Goraj B; Kopytek M, Eur J Radiol 1991; **12:** 120

ultrasound guidance for pericardiocentesis, Taavitsainen M; Bondestam S; Mankinen P; et al, Acta Radiol 1991; **32:** 9

ultrasound guidance improves the success rate of internal jugular vein cannulation: a prospective randomized trial, (ab), Mallory DL; McGee WT; Shawker TH; et al, JVIR 1991; **2:** 287

ultrasound guidance improves the success rate of internal jugular vein cannulation: a prospective, randomized trial, (ab), Mallory DL; McGee WT; Shawker TH; et al, Radiology 1991; **178:** 294

ultrasound-guided aspiration biopsy of anterior mediastinal masses, Tikkakoski T; Lohela P; Leppänen M; et al, JCU 1991; **19:** 209

ultrasound-guided aspiration cytology of enlarged lymph nodes, Tikkakoski T; Siniluoto T; Ollikainen A; et al, Acta Radiol 1991; **32:** 53

ultrasound-guided chemical parathyroidectomy in patients with primary hyperparathyroidism: a prospective study, Karstrup S; Transbøl I; Holm HH; et al, Br J Radiol 1989; **62:** 1037

ultrasound guided fine needle aspiration of ovarian cysts: diagnosis and treatment in pregnant and non-pregnant women, Khaw KT; Walker WJ, Clin Radiol 1990; **41:** 105

ultrasound guided fine needle biopsy of the liver for cytology and histology, Lin BPC; Chu JMG; Rose RA, Australas Radiol 1991; **35:** 33

ultrasound-guided, histological, fine-needle biopsy from suspect parathyroid tumours: success-rate and reliability of histological diagnosis, Karstrup S; Glenthøj A; Hainau B; et al, Br J Radiol 1989; **62:** 981

ultrasound guided needle biopsy of skeletal muscle in neuromuscular disease, Lindequist S; Larsen C; Schrøder HD, Acta Radiol 1990; **31:** 411

ultrasound-guided percutaneous injection of ethanolamine oleate for hypersplenism: an experimental study in dogs, Shiina S; Aoyama H; Shiratori Y; et al, Invest Radiol 1990; **25:** 651

ultrasound guided percutaneous renal biopsy, Arenson AM, Australas Radiol 1991; **35:** 38

ultrasound-guided puncture of cystic tumors in the lower pelvis of young women, Granberg S; Crona N; Enk L; et al, JCU 1989; **17:** 107

ultrasound guided puncture of pleural fluid collections and superficial thoracic masses, Rasmussen OS; Boris P, Eur J Radiol 1989; **9:** 91

ultrasound guided transrectal core biopsies of the palpably abnormal prostate, (ab), Hodge KK; McNeal JE; Stamey TA, Radiology 1990; **174:** 900

ultrasound-guided transvaginal biopsy of malignant cystic pelvic mass, Fornage BD; O'Keeffe F, J Ultrasound Med 1990; **9:** 53

ultrasound of the prostate and its use for guided biopsy, Torp-Pedersen S, Acta Oncol 1991; **30:** 153

use of an acoustic transponder for US visualization of biopsy needles, Winsberg F; Mitty HA; Shapiro RS; Yeh H-C, Radiology 1991; **180:** 877

US guidance of interventional procedures, Matalon TAS; Silver B, Radiology 1990; **174:** 43

US guidance of interventional procedures, Yeung EY; Thurston W; Quigley MJ; Ho C-S, Radiology 1990; **176:** 289

US guidance of interventional procedures: reply, Silver B; Matalon TAS, Radiology 1990; **176:** 290

US-guided percutaneous laser ablation of liver tissue in a chronic pig model, Dachman AH; McGehee JA; Beam TE; Burris JA; Powell DA, Radiology 1990; **176:** 129

US-guided prostatic biopsy in 63 cases, Veneziano S; Pavlica P; Viglietta G; et al, Eur J Radiol 1989; **9:** 64

US-guided transvaginal drainage of pelvic abscesses and fluid collections, vanSonnenberg E; D'Agostino HB; Casola G; Goodacre BW; Sanchez RB; Taylor B, Radiology 1991; **181:** 53

US-guided venipuncture for venography in the edematous leg, Johns CM; Sumkin JH, Radiology 1991; **180:** 573

value of random US-guided transrectal prostate biopsy, Dyke CH; Toi A; Sweet JM, Radiology 1990; **176:** 345

Umbilical cord

angiomyxoma involving the whole length of the umbilical cord: prenatal diagnosis by ultrasonography, Jauniaux E; Moscoso G; Chitty L; et al, J Ultrasound Med 1990; **9:** 419

disappearing fetal umbilical cord masses: are these findings suggestive of urachal anomalies?, Persutte WH; Lenke RR, J Ultrasound Med 1990; **9:** 547

echographic diagnosis of omphalocele in the first trimester of pregnancy, Pagliano M; Mossetti M; Ragno P; et al, JCU 1990; **18:** 658

fetal and funicular vascular anomalies: identification with prenatal US, Jeanty P, Radiology 1989; **173:** 367

hemangioma of the umbilical cord: sonographic appearance, Pollack MS; Bound LM, J Ultrasound Med 1989; **8:** 163

persistent right umbilical vein: an ominous prenatal finding?, Jeanty P, Radiology 1990; **177:** 735

simplified approach to umbilical remnant abnormalities, DiSantis DJ; Siegel MJ; Katz ME, Radiographics 1991; **11:** 59

sonographic diagnosis of omphalocele during 10th week of gestation, Brown DL; Emerson DS; Shulman LP; et al, AJR 1989; **153:** 825

sonographic first-trimester diagnosis of umbilical cord cyst, Rempen A, JCU 1989; **17:** 53

umbilical cord hemangioma: prenatal identification and review of the literature, Ghidini A; Romero R; Eisen RN; et al, J Ultrasound Med 1990; **9:** 297

Urachus

adenocarcinoma of the urachus: CT features, Lee SH; Kitchens HH; Kim BS, JCAT 1990; **14:** 232

diagnosis of urachal anomalies in infancy and childhood by contrast fistulography, ultrasound and CT, Nagasaki A; Handa N; Kawanami T, Pediatr Radiol 1991; 21: 321
diagnosis of urachal carcinoma by computed tomography and magnetic resonance imaging, Krysiewicz S, Clin Imag 1990; 14: 251
endovesical ultrasonography of urachal carcinoma, Wishnow KI, Urol Radiol 1989; 11: 53
role of sonography in the diagnosis and management of urachal abscesses, Wan Y-L; Lee T-Y; Tsai C-C; et al, JCU 1991; 19: 203
simplified approach to umbilical remnant abnormalities, DiSantis DJ; Siegel MJ; Katz ME, Radiographics 1991; 11: 59
sonographic diagnosis of urachal cysts in utero, Hill LM; Kislak S; Belfar HL, JCU 1990; 18: 434
urachal carcinoma: the role of magnetic resonance imaging, Rafal RB; Markisz JA, Urol Radiol 1991; 12: 184
urachal remnants in asymptomatic children: sonographic morphology, Leicher-Düber A; Schumacher R, Pediatr Radiol 1991; 21: 200
urachal remnants: sonographic demonstration in children, Cacciarelli AA; Kass EJ; Yang SS, Radiology 1990; 174: 473

Uremia
gastroduodenal mucosa in uremia: endoscopic and histological correlation and prevalence of helicobacter-like organisms, (ab), Wee A; Kang JY; Ho MS; et al, Radiology 1991; 179: 291

Ureter
See also Genitourinary system
vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; 175: 355

Ureter, abnormalities
bilateral dupiex ectopic ureters terminating in the seminal vesicles: sonographic and CT diagnosis, Hernanz-Schulman M; Genieser NB; Ambrosino MM; et al, Urol Radiol 1989; 11: 49
dilation of benign ureteral strictures, Beckmann CF; Roth RA; Bihrle W III, Radiology 1989; 172: 437
imaging of ureteral duplication with a non-functioning component, Lam AH; Sachinwalla TN, Australas Radiol 1990; 34: 64
left retrocaval ureter associated with left inferior vena cava, Pierro JA; Soleimanpour M; Bory JL, AJR 1990; 155: 545
occult ectopic ureter in girls with urinary incontinence: diagnosis by using CT, Braverman RM; Lebowitz RL, AJR 1991; 156: 365
pediatric case of the day, annual meeting, 1988, Fernbach SK; Poznanski AK, Radiographics 1989; 9: 359
radiographic manifestations of congenital anomalies of the lower urinary tract, Herman TE; McAlister WH, Radiol Clin North Am 1991; 29: 365
transcaval ureter with hydronephrosis: radiologic demonstration, Rosen MP; Walker TG; Brennan JF; et al, AJR 1989; 152: 793
transverse fusion of the renal pelves and single ureter, Currarino G; Weisbruch GJ, Urol Radiol 1989; 11: 88
ureteral pseudodiverticula: frequent association with uroepithelial malignancy, Wasserman NF; Zhang G; Posalaky IP; et al, AJR 1991; 157: 69
ureteral valves: preoperative radiologic diagnosis, Merchant SA; Punekar SV; Chandorkar AB; et al, J Canad Assoc Radiol 1990; 41: 347

Ureter, biopsy
fluoroscopically guided retrograde brush biopsy in the diagnosis of transitional cell carcinoma of the upper urinary tract: results in 45 patients, Sheline M; Amendola MA; Pollack HM; et al, AJR 1989; 153: 313

Ureter, calculi
extracorporeal shock wave lithotripsy of stones in the mid ureter, (ab), Tiselius HG; Pettersson B; Andersson A, Radiology 1989; 172: 884
extracorporeal shock wave lithotripsy of ureteral calculi, Banner MP; VanArsdalen KN; Pollack HM, Radiology 1990; 174: 12
in situ lithotripsy of ureteral calculi: review of 261 cases, Barr JD; Tegtmeyer CJ; Jenkins AD, Radiology 1990; 174: 103
lithiasis inside a blind-ending branch of a trifid ureter, Baró PR; Juliá CL, Urol Radiol 1989; 11: 42
oblique plain radiographs are useful for detecting opaque presacral ureteral calculi, Gatewood OMB; Berkowitz JE, AJR 1990; 155: 89
ultrasonography of calculi in ureteroceles, Khan AN; Boggis CM; Ashleigh RJ, JCU 1989; 17: 439
ultrasound diagnosis of ureteral stones: its usefulness with subsequent excretory urography, (ab), Saita H; Matsukawa M; Fukushima H; et al, Radiology 1989; 170: 584
ureteral jets in healthy subjects and in patients with unilateral ureteral calculi: comparison with color Doppler US, Burge HJ; Middleton WD; McClennan BL; Hildebolt CF, Radiology 1991; 180: 437

Ureter, CT
bilateral duplex ectopic ureters terminating in the seminal vesicles: sonographic and CT diagnosis, Hernanz-Schulman M; Genieser NB; Ambrosino MM; et al, Urol Radiol 1989; 11: 49
extrarenal genitourinary tuberculosis: CT appearance of calcified pipe-stem ureter and seminal vesicle abscess, Birnbaum BA; Friedman JP; Lubat E; et al, JCAT 1990; 14: 653
squamous cell carcinoma of the uroepithelium: CT evaluation, Narumi Y; Sato T; Hori S; Kuriyama K; Fujita M; Kadowaki K; Inoue E; Maeshima S; Fujino Y; Saiki S; Kuroda M; Kotake T, Radiology 1989; 173: 853
stenosing hemorrhagic ureteritis in a child with Henoch-Schönlein purpura: CT appearance, Smet M-H; Marchal G; Oyen R; et al, JCAT 1991; 15: 326

Ureter, diverticula
congenital ureteric diverticula in children and adults: classification, radiological and clinical features, Sarajlić M; Durst-Zivković B; Svoren E; et al, Br J Radiol 1989; 62: 551
multiple ureteral diverticula: a possible radiographically demonstrable risk factor in development of transitional cell carcinoma, Parker MD; Rebsamen S; Clark RL, Urol Radiol 1989; 11: 45

Ureter, enlarged
ectopic ureterocele without ureteral and calyceal dilatation (ureterocele disproportion): findings on urography and sonography, Share JC; Lebowitz RL, AJR 1989; 152: 567
forniceal rupture secondary to ureterocele and increased urine flow, Moore NR; Pfleiderer AG, Urol Radiol 1989; 11: 106
left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls, Gay SB; Armistead JP; Weber ME; Williamson BRJ, Radiographics 1991; 11: 549
long-term efficacy of ureteral dilation for transplant ureteral stenosis, (ab), Streem SB; Novick AC; Steinmuller DR; et al, Radiology 1989; 170: 585
obstructive uropathy and ectopic ureterocele on renal imaging, Makhija M; Stein I; Fleisher M, Clin Nucl Med 1990; 15: 654
technical report: the use of the reformed sidewinder loop in the dilated ureter, Kabala JE; Watkinson AF, Clin Radiol 1991; 43: 409
transitional cell carcinoma of a simple ureterocele: a specific sonographic appearance, Forer LE; Schaffer RM, J Ultrasound Med 1990; 9: 301
transurethral prolapse of a simple ureterocele in a boy: case report, Mindell HJ, Urol Radiol 1990; 12: 103
ultrasonography of calculi in ureteroceles, Khan AN; Boggis CM; Ashleigh RJ, JCU 1989; 17: 439

Ureter, function study
double-lumen central venous catheter for percutaneous ureteral perfusion studies, Diament MJ; Koenig JC Jr, Radiology 1991; 181: 286

Ureter, injuries
blunt renal and ureteral trauma in childhood: CT patterns of fluid collections, Siegel MJ; Balfe DM, AJR 1989; 152: 1043
ureteral injury following experimental intraoperative radiation, Gillette SLM; Gillette EL; Powers BE; et al, Int J Radiat Oncol Biol Phys 1989; 17: 791

Ureter, interventional procedure
anastomosed ureters: fluoroscopically guided transconduit retrograde catheterization, Banner MP; Amendola MA; Pollack HM, Radiology 1989; 170: 45
biocompatible copolymer ureteral stent: maintenance of patency beyond 6 months, Rackson ME; Mitty HA; Lossef SV; et al, AJR 1989; 153: 783
complications of universal ureteral stent, Lee WJ; Patel U, Cardiovasc Intervent Radiol 1989; 12: 329
dilation of benign ureteral strictures, Beckmann CF; Roth RA; Bihrle W III, Radiology 1989; 172: 437
endoluminal radio-frequency electrocautery for permanent ureteral occlusion in swine, Kopecky KK; Steidle CP; Eble JN; Bihrle R; Dreesen RG; McNulty AM; Sutton GP; Becker GJ, Radiology 1989; 170: 1043
endoscopic correction of vesico-ureteric reflux by subureteric Teflon injecton: follow-up ultrasound and voiding cystography, Blake NS; O'Connell E, Br J Radiol 1989; 62: 443
extracorporeal shock wave lithotripsy of ureteral calculi, Banner MP; VanArsdalen KN; Pollack HM, Radiology 1990; 174: 12
gross hematuria in two patients with ureteral-ileal conduits and double-J stents, Keller FS; Barton RE; Routh WD; Gross GM, JVIR 1990; 1: 69
gross hematuria in two patients with ureteral-ileal conduits and double-J stents: commentary, Bihrle R, JVIR 1990; 1: 77
gross hematuria in two patients with ureteral-ileal conduits and double-J stents: reply, Benenati JF, JVIR 1990; 1: 78
impassable ureteral strictures: management with percutaneous ureteroneocystostomy, Cornud FE; Gasanova J-MP; Bonnel DH; Helenon OR; Hanna SM; Chretien YR; Dufour BF; Moreau J-FM, Radiology 1991; 180: 451
indwelling angiographic catheters to facilitate placement of ureteric stents, Gray RR; Rooney M; Grosman H, J Canad Assoc Radiol 1991; 42: 127
initial experience with a universal-length copolymer ureteral stent, Gavant ML; Gold RE; Baum SL; et al, Cardiovasc Intervent Radiol 1990; 13: 98
in situ lithotripsy of ureteral calculi: review of 261 cases, Barr JD; Tegtmeyer CJ; Jenkins AD, Radiology 1990; 174: 103
maintaining quality of life after palliative diversion for malignant ureteral obstruction, Markowitz DM; Wong KT; Laffey KJ; et al, Urol Radiol 1989; 11: 129
management of acute hydronephrosis of pregnancy by ureteral stenting: risk of stone formation, (ab), Goldfarb RA; Neerhut GJ; Lederer E, Radiology 1989; 173: 588
morbidity associated with indwelling internal ureteral stents after shock wave lithotripsy, (ab), Bregg K; Riehle RA, Radiology 1989; 173: 291
percutaneous transrenal endoureteral radio-frequency electrocautery for occlusion: case report, Kopecky KK; Sutton GP; Bihrle R; Becker GJ, Radiology 1989; 170: 1047
percutaneous treatment of urine leaks in renal transplantation patients, Matalon TAS; Thompson MJ; Patel SK; Ramos MV; Jensik SC; Merkel FK, Radiology 1990; 174: 1049
radiologic evaluation of continent urinary reservoirs, Kenney PJ; Hamrick KM; Samuels LJ; Han SY; Bueschen AJ, Radiographics 1990; 10: 455
retrograde replacement of internal double-J ureteral stents, Yedlicka JW Jr; Aizpuru R; Hunter DW; et al, AJR 1991; 156: 1007
simplified method for antegrade ureteral stent placement, Krauthamer R, AJR 1991; 156: 763
technical report: the use of the reformed sidewinder loop in the dilated ureter, Kabala JE; Watkinson AF, Clin Radiol 1991; 43: 409

therapeutic transrenal occlusion of the ureter: solution of plug migration problem, Schurawitzki H; Hobarth K; Gebauer A; et al, Urol Radiol 1991; **12:** 181

transrenal ureteral occlusion with Gianturco coils and gelatin sponge, Gaylord GM; Johnsrude IS, Radiology 1989; **172:** 1047

ureteral stenting in urosepsis: a cautionary note, Franczyk J; Gray RR, Cardiovasc Intervent Radiol 1989; **12:** 265

ureteropelvic junction obstruction: treatment with percutaneous endopyelotomy, Bush WH; Brannen GE; Lewis GP, Radiology 1989; **171:** 535

Ureter, MR

MR appearance of subureteric injection of Teflon to correct vesicoureteral reflux, Kirsch MD; Donaldson JS; Kaplan WE, JCAT 1990; **14:** 673

noncontrast and contrast enhanced MR imaging in the evaluation of partial ureteral obstruction: an experimental study in the micropig, Thurnher S; Tzika AA; Hricak H; et al, Invest Radiol 1989; **24:** 544

rapid, contrast-enhanced, diuretic magnetic resonance imaging of unilateral partial ureteral obstruction: an experimental study in micropigs, Tzika AA; Thurnher S; Hricak H; et al, Invest Radiol 1989; **24:** 37

Ureter, neoplasms

bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature, Mulkens TH; Vereycken HA; Van Nueten JC; et al, Urol Radiol 1990; **12:** 154

multiple ureteral diverticula: a possible radiographically demonstrable risk factor in development of transitional cell carcinoma, Parker MD; Rebsamen S; Clark RL, Urol Radiol 1989; **11:** 45

squamous cell carcinoma of the uroepithelium: CT evaluation, Narumi Y; Sato T; Hori S; Kurosaka K; Fujita M; Kadowaki K; Inoue E; Maeshima S; Fujino Y; Saiki S; Kuroda M; Kotake T, Radiology 1989; **173:** 853

staging of ureteral transitional cell carcinoma by CT and MRI, (ab), Milestone B; Friedman AC; Seidmon EJ; et al, Radiology 1991; **179:** 293

transitional cell carcinoma of a simple ureterocele: a specific sonographic appearance, Forer LE; Schaffer RM, J Ultrasound Med 1990; **9:** 301

transitional cell carcinoma of the pelvicalices and ureter, Leder RA; Dunnick NR, AJR 1990; **155:** 713

transitional cell carcinoma of the upper urinary tract, Zuckier LS; Kirschenbaum ER, Radiology 1989; **170:** 282

transitional cell carcinoma of the upper urinary tract: reply, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, Radiology 1989; **170:** 283

ureteral neoplasms, Winalski CS; Lipman JC; Tumeh SS, Radiographics 1990; **10:** 271

use of percutaneous nephrostomy in malignant ureteric obstruction, Chapman ME; Reid JH, Br J Radiol 1991; **64:** 318

Ureter, obstruction

See Ureter, stenosis or obstruction

Ureter, percutaneous drainage

See Ureter, interventional procedure

Ureter, postoperative

dilation of benign ureteral strictures, Beckmann CF; Roth RA; Bihrle W III, Radiology 1989; **172:** 437

interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; **178:** 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; **178:** 889

ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; **175:** 349

Ureter, radionuclide studies

loculated ascites producing extramural ureteral osbstruction—demonstration on technetium-99m DTPA imaging and ultrasonography, Prakash R; Gupta RK; Chopra MK; et al, Clin Nucl Med 1989; **14:** 779

Ureter, reflux

endoscopic correction of vesico-ureteric reflux by subureteric Teflon injecton: follow-up ultrasound and voiding cystography, Blake NS; O'Connell E, Br J Radiol 1989; **62:** 443

influence of vesicoureteral reflux and urinary tract infection on renal growth in children with upper urinary tract duplication, Hannerz L; Wikstad I; Celsi G; et al, Acta Radiol 1989; **30:** 391

interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; **178:** 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; **178:** 889

intravenous pyelography in children with urinary tract infection and vesicoureteral reflux, (ab), Alon U; Berant M; Pery M, Radiology 1989; **173:** 296

low-grade vesicoureteral reflux: variability in grade on sequential radiographic and nuclear cystograms, Gelfand MJ; Strife JL; Hertzberg VS, Clin Nucl Med 1991; **16:** 243

MR appearance of subureteric injection of Teflon to correct vesicoureteral reflux, Kirsch MD; Donaldson JS; Kaplan WE, JCAT 1990; **14:** 673

natural history of reflux in the lower pole of duplicated collecting systems: a controlled study, Ben-Ami T; Gayer G; Hertz M; et al, Pediatr Radiol 1989; **19:** 308

obstruction in the refluxing urinary tract—a common phenomenon, Leighton DM; Mayne V, Clin Radiol 1989; **40:** 271

reliability of voiding cystourethrography to detect reflux, Jequier S; Jequier J-C, AJR 1989; **153:** 807

sting procedure and its complications: sonographic evaluation, Giuliano CT; Cohen HL; Haller JO; et al, JCU 1990; **18:** 415

ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; **175:** 349

urinoma formation in posterior urethral valves: relationship to later renal function, Fernbach SK; Feinstein KA; Zaontz MR, Pediatr Radiol 1990; **20:** 543

urosepsis in infants with vesicoureteral reflux masquerading as the salt-losing type of congenital adrenal hyperplasia, Vaid YN; Lebowitz RL, Pediatr Radiol 1989; **19:** 548

vesicoureteral reflux in boys, Schoeneman MJ; Goldfarb CR; Ongseng F; Finestone H, Radiology 1990; **176:** 288

vesicoureteral reflux in boys: reply, Ben-Ami T, Radiology 1990; **176:** 289

vesicoureteral reflux in boys: review of 196 cases, Ben-Ami T; Sinai L; Hertz M; Boichis H, Radiology 1989; **173:** 681

vesicoureteral reflux in the primate. IV. infection as cause of prolonged high-grade reflux, (ab), Roberts JA; Kaack MB; Morvant AB, Radiology 1989; **170:** 592

vesicoureteral reflux simulating renal function: CT appearance, Hertz M; Rubinstein ZJ; Apter S, Pediatr Radiol 1991; **21:** 106

vesicoureteric reflux at the end of renography, Dugal B; Nerdrum H-J, Clin Nucl Med 1991; **16:** 364

vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; **175:** 355

Ureter, stenosis or obstruction

anastomosed ureters: fluoroscopically guided transconduit retrograde catheterization, Banner MP; Amendola MA; Pollack HM, Radiology 1989; **170:** 45

classification of and techniques for the reconstitution of acquired strictures in the region of the ureteropelvic junction, (ab), Hulbert JC; Hunter DW; Castaneda-Zuniga WR, Radiology 1989; **171:** 292

congenital midureteral obstruction, Docimo SG; Lebowitz RL; Retik AB; et al, Urol Radiol 1989; **11:** 156

contrast media and pain in patients with acute ureteral stone obstruction: a comparative study with iohexol and metrizoate, Billström A; Hietala S-O; Sunnegårdh O; et al, Acta Radiol 1990; **31:** 509

dilation of benign ureteral strictures, Beckmann CF; Roth RA; Bihrle W III, Radiology 1989; **172:** 437

double-lumen central venous catheter for percutaneous ureteral perfusion studies, Diament MJ; Koenig JC Jr, Radiology 1991; **181:** 286

double-lumen needle for percutaneous ureteral pressure-flow studies, Epstein DH; Hunter DW; Coleman CC; Derauf BJ; Krenzel C; Schlam BW; Moradian GP; Castaneda F; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **172:** 569

duplex Doppler US of renal allografts: causes of elevated resistive index, Don S; Kopecky KK; Filo RS; Leapman SB; Thomalla JV; Jones JA; Klatte EC, Radiology 1989; **171:** 709

hydronephrosis caused by ureteric obstruction in chronic granulomatous disease: successful treatment by percutaneous nephrostomy and antibiotic therapy, (ab), Korman SH; Lebensart P; Shvil Y, Radiology 1991; **180:** 296

iliac artery aneurysm causing ureteric obstruction, Farag AO; Elgazzar AH; Abdel-Dayem HM; et al, Clin Nucl Med 1990; **15:** 201

impassable ureteral strictures: management with percutaneous ureteroneocystostomy, Cornud FE; Gasanova J-MP; Bonnel DH; Helenon OR; Hanna SM; Chretien YR; Dufour BF; Moreau J-FM, Radiology 1991; **180:** 451

interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; **178:** 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; **178:** 889

loculated ascites producing extramural ureteral osbstruction—demonstration on technetium-99m DTPA imaging and ultrasonography, Prakash R; Gupta RK; Chopra MK; et al, Clin Nucl Med 1989; **14:** 779

long-term efficacy of ureteral dilation for transplant ureteral stenosis, (ab), Streem SB; Novick AC; Steinmuller DR; et al, Radiology 1989; **170:** 585

noncontrast and contrast enhanced MR imaging in the evaluation of partial ureteral obstruction: an experimental study in the micropig, Thurnher S; Tzika AA; Hricak H; et al, Invest Radiol 1989; **24:** 544

prenatal diagnosis, management and outcome of fetal uretero-pelvic junction obstruction, Bosman G; Reuss A; Nijman JM; et al, Ultrasound Med Biol 1991; **17:** 117

rapid, contrast-enhanced, diuretic magnetic resonance imaging of unilateral partial ureteral obstruction: an experimental study in micropigs, Tzika AA; Thurnher S; Hricak H; et al, Invest Radiol 1989; **24:** 37

unilateral ureteral obstruction in a patient with acute leukemia, Blumenthal D; Russo P; Orr J, Urol Radiol 1990; **12:** 61

ureteral jets in healthy subjects and in patients with unilateral ureteral calculi: comparison with color Doppler US, Burge HJ; Middleton WD; McClennan BL; Hildebolt CF, Radiology 1991; **180:** 437

ureteral obstruction associated with prostate cancer: the outcome after percutaneous nephrostomy, (ab), Chiou RK; Chang WY; Horan JJ, Radiology 1991; **178:** 292

ureteral valves: preoperative radiologic diagnosis, Merchant SA; Punekar SV; Chandorkar AB; et al, J Canad Assoc Radiol 1990; **41:** 347

ureteropelvic junction obstruction: treatment with percutaneous endopyelotomy, Bush WH; Brannen GE; Lewis GP, Radiology 1989; **171:** 535

ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; **175:** 349

use of percutaneous nephrostomy in malignant ureteric obstruction, Chapman ME; Reid JH, Br J Radiol 1991; **64:** 318

vicarious contrast material excretion in patients with acute unilateral ureteral obstruction, Dyer RB; Gilpin JW; Zagoria RJ; Chen MYM; Case LD, Radiology 1990; **177:** 739

Ureter, surgery

anastomosed ureters: fluoroscopically guided transconduit retrograde catheterization, Banner MP; Amendola MA; Pollack HM, Radiology 1989; **170:** 45

radiologic evaluation of continent urinary reservoirs, Kenney PJ; Hamrick KM; Samuels LJ; Han SY; Bueschen AJ, Radiographics 1990; **10:** 455

Ureter, US

bilateral duplex ectopic ureters terminating in the seminal vesicles: sonographic and CT diagnosis, Hernanz-Schulman M; Genieser NB; Ambrosino MM; et al, Urol Radiol 1989; **11:** 49

ectopic ureterocele without ureteral and calyceal dilatation (ureterocele disproportion): findings on urography and sonography, Share JC; Lebowitz RL, AJR 1989; **152:** 567

interpretation of submerged laminar jets: ureteric jet phenomenon, Adler RS; Rubin JM; Price CI, Radiology 1991; **178:** 888

interpretation of submerged laminar jets: ureteric jet phenomenon: reply, Burns PN; Jéquier S; Paltiel H; Lafortune M, Radiology 1991; **178:** 889

ultrasonography of calculi in ureteroceles, Khan AN; Boggis CM; Ashleigh RJ, JCU 1989; **17:** 439

ultrasound detection of differences in density: explanation of the ureteric jet phenomenon and implications for new ultrasound applications, Price CI; Adler RS; Rubin JM, Invest Radiol 1989; **24:** 876

ultrasound diagnosis of ureteral stones: its usefulness with subsequent excretory urography, (ab), Saita H; Matsukawa M; Fukushima H; et al, Radiology 1989; **170:** 584

ureteral jets in healthy subjects and in patients with unilateral ureteral calculi: comparison with color Doppler US, Burge HJ; Middleton WD; McClennan BL; Hildebolt CF, Radiology 1991; **180:** 437

ureterovesical jets in infants and children: duplex and color Doppler US studies, Jequier S; Paltiel H; Lafortune M, Radiology 1990; **175:** 349

vesicoureteric reflux in children: prediction with color Doppler imaging. work in progress, Marshall JL; Johnson ND; De Campo MP, Radiology 1990; **175:** 355

Ureterocele

See Ureter, enlarged

Urethra

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Urethra, abnormalities

antenatal diagnosis of megalourethra in a fetus with the prune belly syndrome, Fisk NM; Dhillon HK; Ellis CE; et al, JCU 1990; **18:** 124

anterior urethral valve presenting in an adult male, Khim A; Harris RD; Raffel J, Urol Radiol 1991; **12:** 196

cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441

cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; **177:** 326

female urethra: MR imaging, Hricak H; Secaf E; Buckley DW; Brown JJ; Tanagho EA; McAninch JW, Radiology 1991; **178:** 527

radiographic manifestations of congenital anomalies of the lower urinary tract, Herman TE; McAlister WH, Radiol Clin North Am 1991; **29:** 365

role of the radiologist in evaluating voiding dysfunction, Amis ES Jr; Blaivas JG, Radiology 1990; **175:** 317

urethral abnormalities in male neonates with VATER association, Fernbach SK, AJR 1991; **156:** 137

urethral morphology and bladder instability, Hausegger KA; Fotter R; Sorantin E; et al, Pediatr Radiol 1991; **21:** 278

urodynamics: the appropriate modality for the investigation of frequency, urgency, incontinence, and voiding difficulties, Saxton HM, Radiology 1990; **175:** 307

Urethra, diverticula

diverticula of the female urethra: diagnosis by endovaginal and transperineal sonography, Keefe B; Warshauer DM; Tucker MS; et al, AJR 1991; **156:** 1195

female urethra: MR imaging, Hricak H; Secaf E; Buckley DW; Brown JJ; Tanagho EA; McAninch JW, Radiology 1991; **178:** 527

Urethra, interventional procedure

balloon dilatation for prostatic obstruction: long-term follow-up, (ab), Klein LA; Lemming B, Radiology 1989; **173:** 291

balloon dilation of the prostate: effective treatment or dilatory tactic?, Pollack HM, Radiology 1991; **178:** 331

devil in Dr Pollack: defending our souls, Wasserman NF, Radiology 1991; **178:** 333

experimental treatment of benign prostatic hyperplasia with transurethral balloon dilation of the prostate: preliminary study in 73 humans, Wasserman NF; Reddy PK; Zhang G; Berg PA, Radiology 1990; **177:** 485

importance of separation of prostatic lobes in relief of prostatic obstruction by balloon catheter urethroplasty: studies in dogs and humans, Castaneda F; Isorna S; Hulbert JC; et al, AJR 1989; **153:** 1301

new treatment for urethral strictures, (ab), Milroy EJG; Cooper JE; Wallsten H; et al, Radiology 1989; **170:** 289

perineal abscess after prostatic urethroplasty with balloon catheter: report of a case, Castaneda F; Hulbert JC; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **174:** 49

self-retaining intraurethral stent: an alternative to long-term indwelling catheters or surgery in the treatment of prostatism, Yachia D; Lask D; Rabinson S, AJR 1990; **154:** 111

spiral urethral prosthesis as an alternative to surgery in high risk patients with benign prostatic hyperplasia: prospective study, (ab), Vicente J; Salvador J; Chéchile G, Radiology 1990; **176:** 591

stricture disease: radiology of urethral stents, Donald JJ; Rickards D; Milroy EJG, Radiology 1991; **180:** 447

transrectal sonographic monitoring of balloon dilatation of the prostatic urethra, Fornage BD; Toubas O, J Ultrasound Med 1989; **8:** 53

transurethral balloon dilatation of the prostatic urethra: effectiveness in highly selected patients with prostatism, Wasserman NF; Reddy PK; Zhang G; et al, AJR 1991; **157:** 509

urethra—imaging and intervention in the 1990s, Clin Radiol Clin Radiol 1990; **42:** 157

Urethra, MR

female urethra: MR imaging, Hricak H; Secaf E; Buckley DW; Brown JJ; Tanagho EA; McAninch JW, Radiology 1991; **178:** 527

Urethra, neoplasms

carcinoma of the female urethra: a preview of results with radiation therapy, (ab), Sailer SL; Shipley WU; Wang CC, Radiology 1989; **170:** 585

female urethra: MR imaging, Hricak H; Secaf E; Buckley DW; Brown JJ; Tanagho EA; McAninch JW, Radiology 1991; **178:** 527

Urethra, obstruction

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Urethra, radiography

autourethrography, Kirshy DM; Pollack AH; Becker JA; Horowitz M, Radiology 1991; **180:** 443

cough urethrocystography: the best radiological evaluation of female stress urinary incontinence?, Varpula M; Mäkinen J; Kiilholma P, Eur J Radiol 1989; **9:** 191

Cowper's glands duct: radiographic findings, Yaffe D; Zissin R, Urol Radiol 1991; **13:** 123

stricture disease: radiology of urethral stents, Donald JJ; Rickards D; Milroy EJG, Radiology 1991; **180:** 447

Urethra, stenosis or obstruction

balloon dilation of the prostate: effective treatment or dilatory tactic?, Pollack HM, Radiology 1991; **178:** 331

congenital stricture of the urethra, Narborough GC; Elliott S; Minford JE, Clin Radiol 1990; **42:** 402

devil in Dr Pollack: defending our souls, Wasserman NF, Radiology 1991; **178:** 333

experimental treatment of benign prostatic hyperplasia with transurethral balloon dilation of the prostate: preliminary study in 73 humans, Wasserman NF; Reddy PK; Zhang G; Berg PA, Radiology 1990; **177:** 485

new treatment for urethral strictures, (ab), Milroy EJG; Cooper JE; Wallsten H; et al, Radiology 1989; **170:** 289

perineal abscess after prostatic urethroplasty with balloon catheter: report of a case, Castaneda F; Hulbert JC; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1990; **174:** 49

pyocystis with urethral obstruction: percutaneous cystostomy as an alternative to surgery, Tung GA; Papanicolaou N, J Canad Assoc Radiol 1990; **41:** 350

sonographic urethrogram: comparison to roentgenographic techniques in 22 patients, (ab), Gluck CD; Bundy AL; Fine C; et al, Radiology 1989; **172:** 292

sonography of the distal male urethra: a new diagnostic procedure for urethral strictures—results of a retrospective study, (ab), Merkle W; Wagner W, Radiology 1989; **172:** 292

stricture disease: radiology of urethral stents, Donald JJ; Rickards D; Milroy EJG, Radiology 1991; **180:** 447

ultrasound diagnosis and management of urethral stones, Solivetti FM; D'Ascenzo R; Orazi C; et al, J Ultrasound Med 1989; **8:** 685

Wallstent endoprostheses for the relief of prostatic urethral obstruction in high risk patients, Adam A; Jäger R; McLoughlin J; et al, Clin Radiol 1990; **42:** 228

Urethra, US

diverticula of the female urethra: diagnosis by endovaginal and transperineal sonography, Keefe B; Warshauer DM; Tucker MS; et al, AJR 1991; **156:** 1195

sonographic urethrogram: comparison to roentgenographic techniques in 22 patients, (ab), Gluck CD; Bundy AL; Fine C; et al, Radiology 1989; **172:** 292

sonography of the distal male urethra: a new diagnostic procedure for urethral strictures—results of a retrospective study, (ab), Merkle W; Wagner W, Radiology 1989; **172:** 292

transrectal sonographic monitoring of balloon dilatation of the prostatic urethra, Fornage BD; Toubas O, J Ultrasound Med 1989; **8:** 53

ultrasound diagnosis and management of urethral stones, Solivetti FM; D'Ascenzo R; Orazi C; et al, J Ultrasound Med 1989; **8:** 685

Urine

hypercalcuria as a cause of persistent or recurrent haematuria, (ab), Stark H; Tieder M; Eisenstain B; et al, Radiology 1989; **170:** 592

oxygen free radical involvement in urinary Tamm-Horsfall protein excretion after intrarenal injection of contrast medium, Bakris GL; Gaber AO; Jones JD, Radiology 1990; **175:** 57

pseudolayering of Gd-DTPA in the urinary bladder, Elster AD; Sobol WT; Hinson WH, Radiology 1990; **174:** 379

Urine, extravasation

radioscintigraphic demonstration of unsuspected urine extravasation, Bocchini T; Williams W; Patton D, Clin Nucl Med 1989; **14:** 421

spontaneous urinary extravasation during a diuretic radionuclide renal study: report of two cases, Tribble KA; Wilkinson RH Jr; Beytas EM, Clin Nucl Med 1990; **15:** 379

ultrasound finding of peripelvic urine extravasation in ureteropelvic junction obstruction, Genes DM; Vachon L, Pediatr Radiol 1989; **20:** 122

Urine, incontinence

assessment of female urinary incontinence by introital sonography, Koelbl H; Bernaschek G; Deutinger J, JCU 1990; **18:** 370

cough urethrocystography: the best radiological evaluation of female stress urinary incontinence?, Varpula M; Mäkinen J; Kiilholma P, Eur J Radiol 1989; **9:** 191

identifying types of female incontinence with retrograde urethrocystography, (ab), Donovan JM; Gleason DM, Radiology 1990; 177: 597

occult ectopic ureter in girls with urinary incontinence: diagnosis by using CT, Braverman RM; Lebowitz RL, AJR 1991; 156: 365

relative usefulness of physical examination, urodynamics, and roentgenography in the diagnosis of urinary stress incontinence, (ab), Khan Z; Mieza M; Bhola A, Radiology 1989; 170: 585

role of ultrasound in urinary incontinence evaluation, (ab), Bergman A; Vermesh M; Ballard CA; et al, Radiology 1990; 174: 292

stress incontinence secondary to a vesicourethral fistula: case report, Katlowitz NM; Karwa G; Lautin E, Urol Radiol 1990; 12: 37

urodynamics in the investigation of women with frequency, urgency, and incontinence, and voiding difficulties, Saxton HM, Urol Radiol 1991; 13: 48

Urine, reflux

radiographic evaluation of subureteric injection of Teflon to correct vesicoureteral reflux, Gore MD; Fernbach SK; Donaldson JS; et al, AJR 1989; 152: 115

Urinoma

circumferential perirenal urinoma mimicking nephromegaly on urography, Tien R; Shirkhoda A; David R, Urol Radiol 1989; 11: 92

spontaneous extraperitoneal rupture of the urinary bladder in children, Zerin JM; Lebowitz RL, Radiology 1989; 170: 487

technetium-99m DTPA renal transplant imaging in the diagnosis of urinoma, Padhy AK; Gopinath PG; Mehta SN; et al, Clin Nucl Med 1989; 14: 769

urinoma drainage for neonatal respiratory insufficiency, Hoffer FA; Winters WD; Retik AB; et al, Pediatr Radiol 1990; 20: 270

urinoma formation in posterior urethral valves: relationship to later renal function, Fernbach SK; Feinstein KA; Zaontz MR, Pediatr Radiol 1990; 20: 543

Urodynamics

role of the radiologist in evaluating voiding dysfunction, Amis ES Jr; Blaivas JG, Radiology 1990; 175: 317

urodynamics: the appropriate modality for the investigation of frequency, urgency, incontinence, and voiding difficulties, Saxton HM, Radiology 1990; 175: 307

Urography

benign non-parenchymal renal tumors: radiologic appearances, Inoue Y; Nakamura H; Yamaguchi S; et al, Clin Imag 1991; 15: 113

comparison of $^{99}Tc^{m}$ dimercaptosuccinic acid scans and intravenous urography in children, Whitear P; Shaw P; Gordon I, Br J Radiol 1990; 63: 438

evolving concepts in the diagnosis of xanthogranulomatous pyelonephritis, Parker MD; Clark RL, Urol Radiol 1989; 11: 7

imaging of renal trauma, Pollack HM; Wein AJ, Radiology 1989; 172: 297

interactive, mathematical, and sequential consultative methods in diagnosing renal masses on excretory urograms, Ferrell WR; Hillman BJ; Brewer ML; et al, Invest Radiol 1989; 24: 456

intravenous pyelogram in acute pyelonephritis, (ab), Kanel KT; Kroboth FJ; Schwentker FN; et al, Radiology 1989; 171: 588

intravenous pyelography in children with urinary tract infection and vesicoureteral reflux, (ab), Alon U; Berant M; Pery M, Radiology 1989; 173: 296

intravenous pyelography: the case against its routine use, (ab), Mushlin AI; Thornbury JR, Radiology 1990; 174: 292

lacunae: a urographic finding in chronic obstructive uropathy, Talner LB; Webb JAW; Dail DH, AJR 1991; 156: 985

normal collecting ducts: visualization at urography, Carlson L, Radiology 1989; 170: 33

opacification of collecting ducts at urography, Saxton HM, Radiology 1989; 170: 16

renal papillary blushes and nonionic contrast agents, Whitehouse RW, Radiology 1989; 172: 581

renal ultrasound and excretory urography in infants and young children with urinary tract infection, Kenda R; Kenig T; Silc M; et al, Pediatr Radiol 1989; 19: 299

scintigraphy of renal trauma, Goldfarb CR; Schoeneman M; Ongseng F; Finestone H, Radiology 1990; 174: 896

scintigraphy of renal trauma: reply, Pollack HM; Wein AJ, Radiology 1990; 174: 896

stages in the growth of uroradiology, Elkin M, Radiology 1990; 175: 297

Urography, complications

acute toxic myopathy: a delayed adverse effect of intravenous urography with iopamidol 370, Stinchcombe SJ; Davies P, Br J Radiol 1989; 62: 949

case report: iodide mumps following intravenous urography with iopamidol, Wylie EJ; Mitchell DB, Clin Radiol 1991; 43: 135

Urography, contrast media

cytogenic effects of diatrizoate and ioxaglate on patients undergoing excretory urography, Nuñez ME; Sinués B, Invest Radiol 1990; 25: 692

double-blind clinical study comparing the safety, tolerance and efficacy of ioversol and iohexol in intravenous urography, Colthurst JR; Chan O; Creagh M; et al, Clin Radiol 1990; 42: 174

double-blind comparison of iopromide and iopamidol in intravenous urography, Renwick IGH; Fowler RC, Clin Radiol 1990; 41: 405

effect of nonionic radiographic contrast medium on serum electrolytes and proteins during intravenous urography, Brunet WG; Hutton LC; Henderson AR, J Canad Assoc Radiol 1989; 40: 139

evaluation of contrast dose reduction for excretory urography using computed radiography, Strautman PR; Fajardo LL; Hillman BJ; et al, Eur J Radiol 1989; 9: 60

influence of urography on renal function in children: a double blind study with metrizoate and iohexol, Stake G; Monn E; Rootwelt K; et al, Acta Radiol 1989; 30: 643

intravenous urography with a new non-ionic contrast media in a clinical phase III study: iopentol vs iohexol, Rasmussen F; Dyreborg U; Larsen C; et al, Clin Radiol 1990; 41: 37

ioversol for intravenous urography: a comparison study, Kaufman AJ; Concepcion R; Kirchner FK Jr; et al, Urol Radiol 1990; 12: 56

normal collecting ducts: visualization at urography, Ohlson L, Radiology 1989; 170: 33

opacification of collecting ducts at urography, Saxton HM, Radiology 1989; 170: 16

plasma osmolality, iodine concentration and urographic images following high and low osmolar contrast media, Todd AW; Naisby GP; Owen JP; et al, Clin Radiol 1991; 43: 331

renal papillary blushes and nonionic contrast agents, Whitehouse RW, Radiology 1989; 172: 581

unequal doses of ioversol versus diatrizoate for urography, Baker MK; Kopecky KK; Bogan M; et al, Urol Radiol 1990; 12: 168

Urography, technology

comparison of two different T-grain films in rare-earth screens with a standard film–screen combination for intravenous pyelography and bone examinations, Logan H; Daly L; Masterson J, Br J Radiol 1989; 62: 237

low dose intravenous urography: results and technique modifications, Keenan RJ; List A; Kengsakul C, Australas Radiol 1990; 34: 137

most advantageous timing of external ureteric compression during intravenous urography, Hughes TH; Hine AL, Br J Radiol 1991; 64: 314

Urokinase

acceleration of thrombolysis with a high-dose transthrombus bolus technique, Sullivan KL; Gardiner GA Jr; Shapiro MJ; Bonn J; Levin DC, Radiology 1989; 173: 805

comparison of urokinase and tissue plasminogen activator for thrombolysis in rats, Maginot TJ; Sadove AM; Jones C, Invest Radiol 1991; 26: 46

extensive thromboembolic disease of the hand and forearm: treatment with thrombolytic therapy, Lambiase RE; Paolella LP; Haas RA; Dorfman GS, JVIR 1991; 2: 201

fibrinolytic therapy for upper-extremity arterial occlusions, Widlus DM; Venbrux AC; Benenati JF; Mitchell SE; Lynch-Nyhan A; Cassidy FP Jr; Osterman FA Jr, Radiology 1990; 175: 393

fibrinolytic therapy for upper extremity occlusions, Morse MH; Baker AR, Radiology 1991; 178: 580

guide wire traversal test: retrospective study of results with fibrinolytic therapy, Smith DC; McCormick MJ; Jensen DA; Westengard JC, JVIR 1991; 2: 339

intraoperative intra-arterial urokinase infusion as an adjunct to Fogarty catheter embolectomy in acute arterial occlusion, (ab), Garcia R; Saroyan RM; Senkowsky J; et al, JVIR 1991; 2: 287

local urokinase infusion for total occlusion of the lower abdominal aorta: report of two cases and a review of the literature, Goffette P; Kurdziel JC; Dondelinger RF, Eur J Radiol 1989; 9: 121

neonatal aortic thrombosis treated with intra-arterial urokinase therapy, Goldberg REA; Cohen AM; Bryan PJ; et al, J Canad Assoc Radiol 1989; 40: 55

pharmacomechanical thrombolysis and angioplasty in the management of clotted hemodialysis grafts: early and late clinical results, Valji K; Bookstein JJ; Roberts AC; Davis GB, Radiology 1991; 178: 243

portal thrombosis: percutaneous transhepatic treatment with urokinase—a case report, Bilbao JI; Rodriguez-Cabello J; Longo JM; et al, Gastrointest Radiol 1989; 14: 326

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial and graft occlusions: a randomized trial, Meyerovitz MF; Goldhaber SZ; Reagan K; Polak JF; Kandarpa K; Grassi CJ; Donovan BC; Bettmann MA; Harrington DP, Radiology 1990; 175: 75

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions, Dawson KJ; Hamilton G, Radiology 1991; 178: 283

recombinant tissue-type plasminogen activator versus urokinase in peripheral arterial occlusions: reply, Meyerovitz MF; Goldhaber SZ; Harrington DP, Radiology 1991; 178: 284

regional infusion of urokinase into occluded lower-extremity bypass grafts: long-term clinical results, Durham JD; Geller SC; Abbott WM; Shapiro H; Waltman AC; Walker TG; Brewster DC; Athanasoulis CA, Radiology 1989; 172: 83

relative cost-effectiveness of urokinase versus streptokinase in the treatment of peripheral vascular disease, van Breda A; Graor RA; Katzen BT; Risius B; Gillings D, JVIR 1991; 2: 77

scintigraphic demonstration of restored Denver peritoneovenous shunt patency using urokinase, Balon HR; Fink-Bennett D, Clin Nucl Med 1989; 14: 310

short-duration, high-dose urokinase infusion for recanalization of occluded saphenous aortocoronary bypass grafts, Marx M; Armstrong WP; Wack JP; et al, AJR 1989; 153: 167

symptomatic native arterial occlusions: early experience with "over-the-wire" thrombolysis, Mewissen MW; Minor PL; Beyer GA; Lipchik EO, JVIR 1990; 1: 43

treatment of loculated pleural effusions with transcatheter intracavitary urokinase, Moulton JS; Moore PT; Mencini RA, AJR 1989; 153: 941

treatment of thoracic multiloculated empyemas with intracavitary urokinase: a prospective study, Lee KS; Im J-G; Kim YH; Hwang SH; Bae WK; Lee BH, Radiology 1991; 179: 771

two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial, Cragg AH; Smith TP; Corson JD; Nakagawa N; Castaneda F; Kresowik TF; Sharp WJ; Shamma A; Berbaum KS, Radiology 1991; 178: 681

urokinase infusion: feasibility of monitoring for complications in a non-intensive care setting, Routh WD; Tatum CM; Barton RE; Gross GM; McDowell HA; Keller FS, JVIR 1991; **2:** 69

urokinase-mediated thrombolysis: a dose-response relationship in cats. work in progress, Hedlund LJ; Carlson JE; Urness M; Bildsoe MC; Yedlicka JW Jr; Castaneda-Zuniga WR; Amplatz K; Hunter DW, JVIR 1991; **2:** 349

urokinase plus heparin versus aspirin in unstable angina and non-Q-wave myocardial infarction, (ab), Schreiber TL; Macina G; McNulty A; et al, Radiology 1990; **175:** 885

Urolithiasis

See Genitourinary system, calculi

Uterine neoplasms

analysis of multiple prognostic factors in patients with stage IB cervical cancer: age as a major determinant, Dattoli MJ; Gretz HF III; Beller U; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 41

case report: uterine metastasis from stomach cancer: radiological findings, Kim SH; Hwang HY; Choi BI, Clin Radiol 1990; **42:** 285

cervical carcinoma: treatment results and complications of extended-field irradiation, Gaspar LE; Cheung AYC; Allen HH, Radiology 1989; **172:** 271

cervical stump carcinoma, Kovalic JJ; Grigsby PW; Perez CA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 933

CT appearance of uterine leiomyomas, Casillas J; Joseph RC; Guerra JJ Jr, Radiographics 1990; **10:** 999

cystic degeneration of a large uterine leiomyoma: radiologic and surgical analyses, Green WJ; Fendley SM; Wintzell EC; et al, Invest Radiol 1989; **24:** 626

cystic pelvic mass in a patient having recurrent carcinoma of the cervix, Eising EG; Reiser MF; Vassallo P; et al, Invest Radiol 1990; **25:** 205

cytokine CSF-1 (M-CSF) expressed by endometrial carcinomas *in vivo* and *in vitro*, may also be a circulating tumor marker of neoplastic disease activity in endometrial carcinoma patients, Kacinski BM; Chambers SK; Stanley ER; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 619

Danish endometrial cancer study (DEMCA*), Poulsen HK, Acta Oncol 1989; **28:** 589

DNA content and S-phase rate in 285 patients with invasive endometrial carcinoma: a summary, Stendahl U; Strang P; Boman K; et al, Acta Oncol 1989; **28:** 567

DNA determination in endometrial carcinoma by flow and image cytometry, Martin Del Campo MV; Strang P; Stendahl U; et al, Acta Oncol 1989; **28:** 607

general case of the day: annual meeting, 1988, Rubens DJ; Talarico HP; Zaepfel AC; VanZandt TF, Radiographics 1989; **9:** 964

hormone replacement therapy and the risk of endometrial cancer: a summary, Persson I, Acta Oncol 1989; **28:** 583

hysterographic demonstration of multiple endometrial polyps: case report, Ernst R; Krysiewicz S, Urol Radiol 1990; **12:** 118

hysterosonography and hysterography in benign and malignant diseases of the uterus: a comparative in vitro study, Hoetzinger H, J Ultrasound Med 1991; **10:** 259

intraoperative guidance for intrauterine procedures with transrectal sonography, Fleischer AC; Burnett LS; Murray MJ; Jones HW III, Radiology 1990; **176:** 576

invasive cervical carcinoma: MR imaging after preoperative chemotherapy, Sironi S; Belloni C; Taccagni G; DelMaschio A, Radiology 1991; **180:** 719

is the published literature a reliable guide for deciding between alternative treatments for patients with early cervical cancer?, Zola P; Volpe T; Castelli G; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 785

mesodermal mixed tumor of the uterine cervix associated with retroperitoneal lymph node metastasis, Senoh D; Hata T; Hata K; et al, JCU 1989; **17:** 527

microphotometric DNA analysis in moderate dysplasia of the uterine cervix: correlation to the progression and regression of the lesion, Kashyap V; Das DK; Luthra UK, Acta Oncol 1990; **29:** 755

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

MR imaging of uterine carcinoma: correlation with clinical and pathologic findings, Posniak HV; Olson MC; Dudiak CM; Castelli MJ; Dolan J; Wisniewski RA; Isaacs JH; Sharma SK; Bychkov V, Radiographics 1990; **10:** 15

octogenarian with vaginal bleeding and uterine mass, Westmark KD; Braver JM, Invest Radiol 1990; **25:** 1276

oestrogen and progestin receptors as prognostic indicators in endometrial cancer: a review of the literature, Kauppila A, Acta Oncol 1989; **28:** 561

ovarian lipoleiomyoma: a fat-containing mass in the female pelvis, Dodd GD III; Lancaster KT; Moulton JS, AJR 1989; **153:** 1007

predictive value of progesterone receptor levels in endometrial cancer, Ingram SS; Rosenman J; Heath R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 21

primary osteosarcoma of the uterus, Caputo MG; Reuter KL; Reale F, Br J Radiol 1990; **63:** 578

prognosis of endometrial carcinoma stage I in two Swedish regions: a study with special regard to the effects of intracavitary irradiation with high dose-rate afterloading technique or with low dose-rate radium, Sorbe B; Kjellgren O; Stênson S, Acta Oncol 1990; **29:** 29

prognostic factors in uterine leiomyosarcoma: a clinical and histopathological study of 143 cases, the Radiumhemmet series 1936–1981, Larson B; Silfverswärd C; Nilsson B; et al, Acta Oncol 1990; **29:** 185

prognostic importance of anemia related parameters in patients with carcinoma of the cervix uteri, Obralić N; Bilenjki D; Bilbija Z, Acta Oncol 1990; **29:** 199

prognostic significance of growth pattern and its relation to tumor cell nuclear DNA content in endometrial carcinoma, Moberger B; Auer G; Einhorn N; et al, Acta Oncol 1990; **29:** 17

prognostic value of steroid receptor concentration and flow cytometrical DNA measurements in stage I–II endometrial carcinoma, Lindahl B; Alm P; Fernö M; et al, Acta Oncol 1989; **28:** 595

risk of cervical cancer among wives of men with carcinoma of the penis, Maiche AG; Pyrhönen S, Acta Oncol 1990; **29:** 569

uterine myolipoma: magnetic resonance imaging, computed tomographic, and ultrasound appearance, Lehrman BJ; Nisenbaum HL; Glasser SA; et al, J Ultrasound Med 1990; **9:** 665

value of follow-up in FIGO stage IB carcinoma of the uterine cervix, Kunkler IH; Ludgate SM; Kerr GR, Clin Radiol 1989; **40:** 299

Uterine neoplasms, CT

applications of computed tomography in gynecologic diseases, Ascher SM; Silverman PM, Urol Radiol 1991; **13:** 16

computed tomography of uterine sarcomas, Trerotola SO; Fishman EK; Kuhlman JE, Clin Imag 1989; **13:** 208

CT appearance of uterine leiomyomas, Casillas J; Joseph RC; Guerra JJ Jr, Radiographics 1990; **10:** 999

staging of cervical carcinoma: accuracy of magnetic resonance imaging and computed tomography, Janus CL; Mendelson DS; Moore S; et al, Clin Imag 1989; **13:** 114

treated invasive cervical carcinoma: utility of computed tomography in distinguishing between skeletal metastases and radiation necrosis, Yousem DM; Magid D; Scott WW Jr; et al, Clin Imag 1989; **13:** 147

uterine cervical carcinoma: comparison of CT and MR findings, Kim SH; Choi BI; Lee HP; Kang SB; Choi YM; Han MC; Kim C-W, Radiology 1990; **175:** 45

uterine fibromyolipoma: uncommon imaging features, Soyer P; Harry G; Cazier A; et al, Eur J Radiol 1991; **13:** 67

Uterine neoplasms, diagnosis

endometrial thickness after menopause: effect of hormone replacement, Lin MC; Gosink BB; Wolf SI; Feldesman MR; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 427

endometriosis: appearance and detection at MR imaging, Zawin M; McCarthy S; Scoutt LM; Comite F, Radiology 1989; **171:** 693

enlarged uterus: differentiation between adenomyosis and leiomyoma with MR imaging, Togashi K; Ozasa H; Konishi I; Itoh H; Nishimura K; Fujisawa I; Noma S; Sagoh T; Minami S; Yamashita K; Nakano Y; Konishi J; Mori T, Radiology 1989; **171:** 531

high-signal-intensity rim surrounding uterine leiomyomas on MR images: pathologic correlation, Mittl RL Jr; Yeh I-T; Kressel HY, Radiology 1991; **180:** 81

lipomatous uterine tumors: diagnosis by ultrasound, CT, and MR, Dodd GD III; Budzik RF Jr, JCAT 1990; **14:** 629

MR imaging of the uterus, McCarthy S, Radiology 1989; **171:** 321

US monitoring of endometrial thickness in estrogen replacement therapy, Currie JL, Radiology 1991; **180:** 306

Uterine neoplasms, metastases

calcified cerebral metastasis from cervical carcinoma, Gaze MN; Gregor A; Whittle IR; et al, Neuroradiol 1989; **31:** 291

mesodermal mixed tumor of the uterine cervix associated with retroperitoneal lymph node metastasis, Senoh D; Hata T; Hata K; et al, JCU 1989; **17:** 527

Uterine neoplasms, MR

body MR imaging and the local staging of neoplasms, Aisen AM, Radiology 1990; **176:** 617

carcinoma of the cervix: staging with MR imaging, Togashi K; Nishimura K; Sagoh T; Minami S; Noma S; Fujisawa I; Nakano Y; Konishi J; Ozasa H; Konishi I; Mori T, Radiology 1989; **171:** 245

carcinoma of the cervix: value of MR imaging in detecting parametrial involvement, Sironi S; Belloni C; Taccagni GL; et al, AJR 1991; **156:** 753

carcinoma of the uterus: use of gadopentetate dimeglumine in MR imaging, Hricak H; Hamm B; Semelka RC; Cann CE; Nauert T; Secaf E; Stern JL; Wolf K-J, Radiology 1991; **181:** 95

cervical carcinoma: MR imaging with an endorectal surface coil, Milestone BN; Schnall MD; Lenkinski RE; Kressel HY, Radiology 1991; **180:** 91

clinical stage I carcinoma of the cervix: value of MR imaging in determining degree of invasiveness, Lien HH; Blomlie V; Kjørstad K; et al, AJR 1991; **156:** 1191

endometriosis: appearance and detection at MR imaging, Zawin M; McCarthy S; Scoutt LM; Comite F, Radiology 1989; **171:** 693

enlarged uterus: differentiation between adenomyosis and leiomyoma with MR imaging, Togashi K; Ozasa H; Konishi I; Itoh H; Nishimura K; Fujisawa I; Noma S; Sagoh T; Minami S; Yamashita K; Nakano Y; Konishi J; Mori T, Radiology 1989; **171:** 531

gynecologic magnetic resonance imaging, Janus C, Urol Radiol 1991; **13:** 29

high-signal-intensity rim surrounding uterine leiomyomas on MR images: pathologic correlation, Mittl RL Jr; Yeh I-T; Kressel HY, Radiology 1991; **180:** 81

intravenous leiomyomatosis of uterus: MR appearance, Kawakami S; Sagoh T; Kumada H; et al, JCAT 1991; **15:** 686

invasive cervical carcinoma: MR imaging after preoperative chemotherapy, Sironi S; Belloni C; Taccagni G; DelMaschio A, Radiology 1991; **180:** 719

magnetic resonance imaging in recurrent carcinoma of the cervix, Williams MP; Husband JE; Heron CW; et al, Br J Radiol 1989; **62:** 544

magnetic resonance imaging in the preoperative assessment of clinical stage I endometrial carcinoma, Harill CD; Kopecky KK; Weaver SR; et al, Comput Med Imag Graph 1990; **14:** 191

mixed Müllerian sarcoma of the uterus: MR imaging findings, Shapeero LG; Hricak H, AJR 1989; **153:** 317

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; **175:** 503

MR imaging evaluation of endometrial carcinoma: results of an NCI cooperative study, Hricak H; Rubinstein LV; Gherman GM; Karstaedt N, Radiology 1991; **179:** 829

MR imaging of gynecologic lymphoma, Kimura I; Togashi K; Tsutsui K; et al, JCAT 1991; **15:** 500

MR imaging of the uterus, McCarthy S, Radiology 1989; **171:** 321

MR imaging of uterine carcinoma: correlation with clinical and pathologic findings, Posniak HV; Olson MC; Dudiak CM; Castelli MJ; Dolan J; Wisniewski RA; Isaacs JH; Sharma SK; Bychkov V, Radiographics 1990; **10:** 15

MRI of carcinoma of the cervix, Thornbury JR, Urol Radiol 1989; **11:** 230

MR of intravenous leiomyomatosis of the uterus extending into the inferior vena cava, Rotter AJ; Lundell CJ, JCAT 1991; **15:** 690

postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805

quantitative magnetic resonance imaging in cervical carcinoma: a report on 30 cases, Santoni R; Bucciolini M; Chiostrini C; et al, Br J Radiol 1991; **64:** 498

staging in local endometrial carcinoma: assessment of magnetic resonance and ultrasound examinations, Thorvinger B; Gudmundsson T; Horvath G; et al, Acta Radiol 1989; **30:** 525

staging of carcinoma of the uterine cervix: MRI–surgical correlation, Greco A; Mason P; Leung AWL; et al, Clin Radiol 1989; **40:** 401

staging of cervical carcinoma: accuracy of magnetic resonance imaging and computed tomography, Janus CL; Mendelson DS; Moore S; et al, Clin Imag 1989; **13:** 114

uterine cervical carcinoma: comparison of CT and MR findings, Kim SH; Choi BI; Lee HP; Kang SB; Choi YM; Han MC; Kim C-W, Radiology 1990; **175:** 45

Uterine neoplasms, radionuclide studies

marked uptake of Ga-67 citrate in a giant leiomyoma uteri, Ishimura J; Fukuchi M, Clin Nucl Med 1991; **16:** 129

uterine leiomyomata: discrepancy between scintigraphic and radiographic images, Palestro CJ; Solomon RW; Kim CK; et al, Clin Nucl Med 1990; **15:** 930

Uterine neoplasms, staging

box diagram to express tumour extent: basis of a new staging system in carcinoma of the cervix?, Ashby M, Australas Radiol 1989; **33:** 23

carcinoma of the cervix: staging with MR imaging, Togashi K; Nishimura K; Sagoh T; Minami S; Noma S; Fujisawa I; Nakano Y; Konishi J; Ozasa H; Konishi I; Mori T, Radiology 1989; **171:** 245

carcinoma of the uterus: use of gadopentetate dimeglumine in MR imaging, Hricak H; Hamm B; Semelka RC; Cann CE; Nauert T; Secaf E; Stern JL; Wolf K-J, Radiology 1991; **181:** 95

cervical carcinoma: treatment results and complications of extended-field irradiation, Gaspar LE; Cheung AYC; Allen HH, Radiology 1989; **172:** 271

magnetic resonance imaging, computed tomography and endosonography in the local staging of carcinoma of the cervix, Cobby M; Browning J; Jones A; et al, Br J Radiol 1990; **63:** 673

magnetic resonance imaging in the preoperative assessment of clinical stage I endometrial carcinoma, Harill CD; Kopecky KK; Weaver SR; et al, Comput Med Imag Graph 1990; **14:** 191

MR imaging evaluation of endometrial carcinoma: results of an NCI cooperative study, Hricak H; Rubinstein LV; Gherman GM; Karstaedt N, Radiology 1991; **179:** 829

MR imaging of uterine carcinoma: correlation with clinical and pathologic findings, Posniak HV; Olson MC; Dudiak CM; Castelli MJ; Dolan J; Wisniewski RA; Isaacs JH; Sharma SK; Bychkov V, Radiographics 1990; **10:** 15

staging in local endometrial carcinoma: assessment of magnetic resonance and ultrasound examinations, Thorvinger B; Gudmundsson T; Horvath G; et al, Acta Radiol 1989; **30:** 525

uterine cervical carcinoma: comparison of CT and MR findings, Kim SH; Choi BI; Lee HP; Kang SB; Choi YM; Han MC; Kim C-W, Radiology 1990; **175:** 45

Uterine neoplasms, therapeutic radiology

abdominal radiotherapy for cancer of the uterine cervix and endometrium, Potish RA, Int J Radiat Oncol Biol Phys 1989; **16:** 1453

analysis of failure patterns in stage III endometrial carcinoma and therapeutic implications, Greven KM; Curran WJ Jr; Whittington R; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 35

analysis of preoperative intracavitary cesium application versus postoperative external beam radiation in stage I endometrial carcinoma, Sause WT; Fuller DB; Smith WG; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 1011

applicator for use of cesium-137 miniaturized tube sources in the treatment of uterine cervix cancer, Kumar PP; Good RR; McCaul GF, Int J Radiat Oncol Biol Phys 1990; **18:** 1509

carcinoma of the cervix: analysis of bladder and rectal radiation dose and complications, Montana GS; Fowler WC, Int J Radiat Oncol Biol Phys 1989; **16:** 95

carcinoma of the uterine cervix stage IB and early stage II. prognostic value of the histological tumor regression after initial brachytherapy, Calais G; Le Floch O; Chauvet B; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 1231

carcinoma of the uterine cervix stage IB and IIA: results of postoperative irradiation in patients with microscopic infiltration in the parametrium and/or lymph node metastasis, González DG; Ketting BW; van Bunningen B; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 389

carcinoma of the uterine cervix treated by irradiation alone: results of treatment at the National Cancer Center, Tokyo, Akine Y; Arimoto H; Ogino T; et al, Acta Oncol 1990; **29:** 747

cervical carcinoma: treatment results and complications of extended-field irradiation, Gaspar LE; Cheung AYC; Allen HH, Radiology 1989; **172:** 271

cervical stump carcinoma, Kovalic JJ; Grigsby PW; Perez CA; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 933

clinical results in carcinoma of the cervix: radium compared to caesium using remote afterloading, Jackson SM; Fairey RN; Kornelsen RO; et al, Clin Radiol 1989; **40:** 302

clinical stage I endometrial cancer: results of adjuvant irradiation and patterns of failure, Grigsby PW; Perez CA; Kuten A; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 379

clinical study of relative biological effectiveness for cervical carcinoma treated by ^{252}Cf neutrons and assessed by histological tumour eradication, Maruyama Y; Feola JM; Wierzbicki J; et al, Br J Radiol 1990; **63:** 270

comparison of 1 vs 2 or more intracavitary brachytherapy applications in the management of carcinoma of the cervix, with irradiation alone, Marcial LV; Marcial VA; Krall JM; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 81

concomitant pelvic irradiation, 5-fluorouracil and mitomycin C in the treatment of advanced cervical carcinoma, Khoury GG; Bulman AS; Joslin CAF; et al, Br J Radiol 1991; **64:** 252

cylindrical forms of isodoses in gynaecological afterloading therapy: an atlas using the Buchler afterloading machine al–mc, Busch M II; Dühmke E, Br J Radiol 1990; **63:** 562

dose calculation and measurements for a CT compatible version of the Fletcher applicator, Weeks KJ; Dennett JC, Int J Radiat Oncol Biol Phys 1990; **18:** 1191

dose equivalence for high-dose-rate to low-dose-rate intracavitary irradiation in the treatment of cancer of the uterine cervix, Akine Y; Tokita N; Ogino T; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 1511

dosimetric analysis in brachytherapy of carcinoma of the cervix, Krishnan L; Cytaki EP; Wolf CD; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 965

effect of applicator geometry on dose specification in cervical cancer, Potish RA, Int J Radiat Oncol Biol Phys 1990; **18:** 1513

endometrial adenocarcinoma, adjuvant radiotherapy tailored to prognostic factors, Meerwaldt JH; Hoekstra CJM; van Putten WLJ; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 299

enteric morbidity of postoperative pelvic external beam and brachytherapy for uterine cancer, Potish RA; Dusenbery KE, Int J Radiat Oncol Biol Phys 1990; **18:** 1005

evaluation of time-dose and fractionation for ^{252}Cf neutrons in preoperative bulky/barrel-cervix carcinoma radiotherapy, Maruyama Y; Wierzbicki J, Int J Radiat Oncol Biol Phys 1990; **19:** 1561

external cobalt 60 irradiation alone for stage IIB carcinomma of the uterine cervix, Zi-Zhong L; Fang-Zhi H, Int J Radiat Oncol Biol Phys 1989; **16:** 339

fractionated high dose rate *versus* low dose rate regimens for intracavitary brachytherapy of the cervix: I. general considerations based on radiobiology, Brenner DJ; Hall EJ, Br J Radiol 1991; **64:** 133

high dose-rate afterloading in the treatment of cervical cancer of the uterus, Shu-Mo C; Xiang-E W; Qi W, Int J Radiat Oncol Biol Phys 1989; **16:** 335

high dose rate afterloading intracavitary therapy in carcinoma of the cervix, Roman TN; Souhami L; Freeman CR; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 921

high-dose-rate afterloading technique in the radiation treatment of uterine cervical cancer: 399 cases and 9 years experience in Taiwan, Chen M-S; Lin F-J; Hong C-H; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 915

high dose rate intracavitary brachytherapy for recurrent cervical cancer of the vaginal stump following hysterectomy, Ito H; Kumagaya H; Shigematsu N; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 927

high-dose-rate versus low-dose-rate intracavitary brachytherapy for carcinoma of the cervix, Fu KK; Phillips TL, Int J Radiat Oncol Biol Phys 1990; **19:** 791

ICRU recommendations for reporting intracavitary therapy in gynaecology and the Manchester method of treating cancer of the cervix uteri, Wilkinson JM; Ramachandran TP, Br J Radiol 1989; **62:** 362

indwelling intrauterine tube to facilitate intracavitary radiotherapy of carcinoma of the cervix, Smit BJ; du Toit JP; Groenewald WA, Br J Radiol 1989; **62:** 68

interleukin 2 and alpha interferon induced in vitro modulation of spontaneous cell mediated cytotoxicity in patients with cancer of the uterine cervix undergoing radiotherapy, Pillai MR; Balaram P; Padmanabhan TK; et al, Acta Oncol 1989; **28:** 39

intracavitary irradiation of endometrial carcinoma using a high-intensity ^{60}CO afterloading method, Sipilä P; Kauppila A, Acta Oncol 1989; **28:** 601

intratumoral and parametrial infusion of metronidazole in the radiotherapy of uterine cervix cancer: preliminary report, Balmukhanov SB; Beisebaev AA; Aitkoolova ZI; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1061

invasive carcinoma of the uterine cervix in women age 25 or less, Maddux HR; Varia MA; Spann CO; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 701

misonidazole combined with radiotherapy in the treatment of carcinoma of the uterine cervix, Overgaard J; Bentzen SM; Kolstad P; et al, Int J Radiat Oncol Biol Phys 1989; **16:** 1069

new design of Delclos dome cylinders using standard Cs-137 sources, Sharma SC; Bhandare N, Int J Radiat Oncol Biol Phys 1991; 21: 511

patterns and sites of failure in cervix cancer treated in the U.S.A. in 1978, Montana GS; Martz KL; Hanks GE, Int J Radiat Oncol Biol Phys 1991; 20: 87

patterns of failure in patients with stage I, grade 3 carcinoma of the endometrium, Greven KM; Randall M; Fanning J; et al, Int J Radiat Oncol Biol Phys 1990; 19: 529

persisting cyclicial uterine bleeding in patients treated with radical radiation therapy and hormonal replacement for carcinoma of the cervix, McKay MJ; Bull CA; Houghton CR; et al, Int J Radiat Oncol Biol Phys 1990; 18: 921

postoperative vaginal irradiation by a high dose-rate afterloading technique in endometrial carcinoma stage I, Sorbe BG; Smeds A-C, Acta Oncol 1989; 28: 679

postoperative vaginal irradiation with high dose rate afterloading technique in endometrial carcinoma stage I, Sorbe BG; Smeds A-C, Int J Radiat Oncol Biol Phys 1990; 18: 305

postoperative whole abdomino-pelvic irradiation for patients with high risk endometrial cancer, Martinez A; Schray M; Podratz K; et al, Int J Radiat Oncol Biol Phys 1989; 17: 371

preoperative intracavitary irradiation of endometrial carcinoma stage I by a high dose rate afterloading technique, Sorbe B; Frankendal B; Risberg B, Acta Oncol 1989; 28: 577

preoperative intrauterine irradiation of endometrial carcinoma stage I: a clinical and radiographic evaluation of the bulb technique, Sorbe B; Blomé L; Jansson P; et al, Acta Oncol 1990; 29: 217

preoperative or postoperative brachytherapy for patients with endometrial carcinoma stage I and II, Calais G; Vitu L; Descamps P; et al, Int J Radiat Oncol Biol Phys 1990; 19: 523

pretreatment and treatment factors associated with improved outcome in squamous cell carcinoma of the uterine cervix: a final report of the 1973 and 1978 patterns of CARE studies, Lanciano RM; Won M; Coia LR; et al, Int J Radiat Oncol Biol Phys 1991; 20: 667

prognosis of endometrial carcinoma stage I in two Swedish regions: a study with special regard to the effects of intracavitary irradiation with high dose-rate afterloading technique or with low dose-rate radium, Sorbe B; Kjellgren O; Stênson S, Acta Oncol 1990; 29: 29

prognostic value of hemoglobin concentrations and blood transfusions in advanced carcinoma of the cervix treated by radiation therapy: results of a retrospective study of 386 patients, Girinski T; Pejovic-Lenfant MH; Bourhis J; et al, Int J Radiat Oncol Biol Phys 1989; 16: 37

prophylactic irradiation of the para-aortic lymph node chain in stage IIB and bulky stage IB carcinoma of the cervix, initial treatment results of RTOG 7920, Rotman M; Choi K; Guze C; et al, Int J Radiat Oncol Biol Phys 1990; 19: 513

radiation alone in the treatment of cancer of the uterine cervix: analysis of pelvic failure and dose response relationship, Kim RY; Trotti A; Wu C-J; et al, Int J Radiat Oncol Biol Phys 1989; 17: 973

radiological changes in the gastrointestinal and genitourinary tract following radiotherapy for carcinoma of the cervix, Taylor PM; Johnson RJ; Eddleston B; et al, Clin Radiol 1990; 41: 165

radiotherapy alone for medically inoperable carcinoma of the cervix: stage IA and carcinoma *in situ*, Grigsby PW; Perez CA, Int J Radiat Oncol Biol Phys 1991; 21: 375

radiotherapy for postoperative recurrent uterine cervical carcinoma, Tan R; Chung C-H; Liu M-T; et al, Acta Oncol 1991; 30: 353

regeneration in cervix cancer after ^{252}Cf neutron brachytherapy, Maruyama Y; Wierzbicki J; Feola JM; et al, Int J Radiat Oncol Biol Phys 1990; 19: 61

results of primary radiation treatment of endometrial carcinoma: 20 years' experience of an unselected material from the north of Sweden, Bäckström T; Cajander S; Kjellgren O; et al, Acta Oncol 1989; 28: 569

results of radiotherapy in recurrent endometrial carcinoma: a retrospective analysis of 51 patients, Kuten A; Grigsby PW; Perez CA; et al, Int J Radiat Oncol Biol Phys 1989; 17: 29

results of treatment in locally advanced carcinoma of the endometrium, Ahmad K; Kim YH; Deppe G; et al, Acta Oncol 1990; 29: 203

results of treatment of carcinoma of the uterine cervix using the Newcastle afterloading technique, Dawes PJDK; Dean EM; Lambert GD, Br J Radiol 1989; 62: 64

role of intracavitary cuff boost after adjuvant external irradiation in early endometrial carcinoma, Randall ME; Wilder J; Greven K; et al, Int J Radiat Oncol Biol Phys 1990; 19: 49

sequelae of lateral ovarian transposition in irradiated cervical cancer patients, Chambers SK; Chambers JT; Kier R; et al, Int J Radiat Oncol Biol Phys 1991; 20: 1305

tandem tip fracture: a rare complication of intracavitary therapy of cervix cancer and how to avoid its occurrence, Anscher MS; Bentel GC; Murray MJ; et al, Int J Radiat Oncol Biol Phys 1989; 16: 511

three-dimensional treatment planning for para-aortic node irradiation in patients with cervical cancer, Munzenrider JE; Doppke KP; Brown AP; et al, Int J Radiat Oncol Biol Phys 1991; 21: 229

three-port perineal sparing technique, Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM, Radiology 1991; 180: 563

topical infusion of metronidazole in the radiotherapy of tumours of the uterine cervix. interim report on the 2 year survival, Baimukhanov SB; Beisebaev AA; Mustaphin DS; et al, Br J Radiol 1990; 63: 499

toxicity of open-field whole abdominal irradiation as primary postoperative treatment in gynecologic malignancy, Schray MF; Martinez A; Howes AE, Int J Radiat Oncol Biol Phys 1989; 16: 397

tumor and treatment factors improving outcome in stage III-B cervix cancer, Lanciano RM; Martz K; Coia LR; et al, Int J Radiat Oncol Biol Phys 1991; 20: 95

variation of vascular density within and between tumors of the uterine cervix and its predictive value for radiotherapy, Révész L; Siracka E; Siracky J; et al, Int J Radiat Oncol Biol Phys 1989; 16: 1161

Uterine neoplasms, therapy

interleukin 2 and alpha interferon induced in vitro modulation of spontaneous cell mediated cytotoxicity in patients with cancer of the uterine cervix undergoing radiotherapy, Pillai MR; Balaram P; Padmanabhan TK; et al, Acta Oncol 1989; 28: 39

internal iliac artery: embolization to control hemorrhage from pelvic neoplasms, Pisco JM; Martins JM; Correia MG, Radiology 1989; 172: 337

invasive cervical carcinoma: MR imaging after preoperative chemotherapy, Sironi S; Belloni C; Taccagni G; DelMaschio A, Radiology 1991; 180: 719

misonidazole combined with radiotherapy in the treatment of carcinoma of the uterine cervix, Overgaard J; Bentzen SM; Kolstad P; et al, Int J Radiat Oncol Biol Phys 1989; 16: 1069

monitoring therapy with a gonadotropin-releasing hormone analog: utility of MR imaging, Zawin M; McCarthy S; Scoutt LM; Lange R; Lavy G; Vulte J; Comite F, Radiology 1990; 175: 503

pharmacokinetics of etanidazole (SR-2508) in bladder and cervical cancer: evidence of diffusion from urine, Awwad HK; El Badawy S; El Baki HA; et al, Int J Radiat Oncol Biol Phys 1989; 16: 1083

phase II study of 5-fluorouracil/cisplatinum in recurrent cervical cancer, Kaern J; Tropé C; Abeler V; et al, Acta Oncol 1990; 29: 25

radical hysterectomy for stage I and II endometrial carcinoma: a retrospective analysis of 179 cases, Calais G; Le Floch O; Descamps P; et al, Int J Radiat Oncol Biol Phys 1991; 20: 677

results of treatment in locally advanced carcinoma of the endometrium, Ahmad K; Kim YH; Deppe G; et al, Acta Oncol 1990; 29: 203

role of surgical debulking in cancer of the uterine cervix, Potish RA; Downey GO; Adcock LL; et al, Int J Radiat Oncol Biol Phys 1989; 17: 979

single agent epirubicin in squamous cell cervical cancer: a phase II trial, Calero F; Rodriguez-Escudero F; Jimeno J; et al, Acta Oncol 1991; 30: 325

sustained complete remission of stage IVb carcinoma of the cervix with *cis*-platinum, methotrexate and bleomycin chemotherapy, Burnet NG; Blake PR, Br J Radiol 1989; 62: 856

Uterine neoplasms, US

contribution of vaginal scanning to sonographic evaluation of endometrial cancer invasion, Cacciatore B; Lehtovirta P; Wahlström T; et al, Acta Oncol 1989; 28: 585

endometrial thickness after menopause: effect of hormone replacement, Lin MC; Gosink BB; Wolf SI; Feldesman MR; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; 180: 427

intraoperative guidance for intrauterine procedures with transrectal sonography, Fleischer AC; Burnett LS; Murray MJ; Jones HW III, Radiology 1990; 176: 576

sonographic demonstration of an intrauterine device perforating a uterine myoma, Caspi B; Shoham (Schwartz) Z; Barash A; et al, JCU 1989; 17: 535

sonographic findings in primary uterine cervical lymphoma, Malatskey A; Reuter KL; Woda B, JCU 1991; 19: 62

spectrum of sonographic findings in endometriomas, Athey PA; Diment DD, J Ultrasound Med 1989; 8: 487

staging in local endometrial carcinoma: assessment of magnetic resonance and ultrasound examinations, Thorvinger B; Gudmundsson T; Horvath G; et al, Acta Radiol 1989; 30: 525

US monitoring of endometrial thickness in estrogen replacement therapy, Currie JL, Radiology 1991; 180: 306

uterine fibromyolipoma: uncommon imaging features, Soyer P; Harry G; Cazier A; et al, Eur J Radiol 1991; 13: 67

uterine incarceration associated with uterine leiomyomata: clinical and sonographic presentation, Hankins GDV; Cedars MI, JCU 1989; 17: 385

uterine leiomyomata: sonographic mimicry, Borgstein RL; Shaw JJ; Pearson RH, Br J Radiol 1989; 62: 1019

Uterus

See also Pelvic organs; Pregnancy; Uterine neoplasms

uterine changes after dilation and curettage: MR imaging findings, Ascher SM; Scoutt LM; McCarthy SM; Lange RC; DeCherney AH, Radiology 1991; 180: 433

Uterus, abnormalities

abnormalities of the uterus and cervix after diethylstilbestrol exposure: correlation of findings on MR and hysterosalpingography, van Gils APG; Tjon A Tham RTO; Falke THM; et al, AJR 1989; 153: 1235

cervical incompetence: preliminary evaluation with MR imaging, Hricak H; Chang YCF; Cann CE; Parer JT, Radiology 1990; 174: 821

cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; 177: 441

cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; 177: 326

computed tomography of chronic nonpuerperal uterine inversion, Salomon CG; Patel SK, JCAT 1990; 14: 1024

double uterus associated with unilateral vaginal obstruction and ipsilateral renal agenesis: ultrasonographic diagnosis, Burgos FJ; Matorras R; Rivera M; et al, JCU 1989; 17: 296

ectopic ovaries associated with absent uterus and pelvic kidney: CT findings, Reed DH; Dixon AK; Braude PR, JCAT 1990; **14:** 157

endovaginal sonographic appearance of a DES uterus, Lev-Toaff AS; Toaff ME; Friedman AC, J Ultrasound Med 1990; **9:** 661

gynecologic vascular abnormalities: diagnosis with Doppler US, Jain KA; Jeffrey RB Jr; Sommer FG, Radiology 1991; **178:** 549

imaging of uterovaginal anomalies in the pediatric patient, Shatzkes DR; Haller JO; Velcek FT, Urol Radiol 1991; **13:** 58

MR imaging of uterine inversion, Lewin JS; Bryan PJ, JCAT 1989; **13:** 357

Müllerian duct anomalies: MR imaging evaluation, Carrington BM; Hricak H; Nuruddin RN; Secaf E; Laros RK Jr; Hill EC, Radiology 1990; **176:** 715

obstructed uterovaginal anomalies: demonstration with sonography: part I. neonates and infants, Blask ARN; Sanders RC; Gearhart JP, Radiology 1991; **179:** 79

obstructed uterovaginal anomalies: demonstration with sonography: part II. teenagers, Blask ARN; Sanders RC; Rock JA, Radiology 1991; **179:** 84

pregnancies in septate uteri: outcome in relation to site of uterine implantation as determined by sonography, Federle L; Dorta M; Brioschi D; et al, AJR 1989; **152:** 781

septate versus bicornuate uteri: errors in imaging diagnosis, Reuter KL; Daly DC; Cohen SM, Radiology 1989; **172:** 749

sonographic findings in acute puerperal uterine inversion, Hsieh T-T; Lee J-D, JCU 1991; **19:** 306

transvaginal sonographic evaluation of the retrodisplaced uterus, Lamki N; Athey P; Dunn G; et al, J Canad Assoc Radiol 1990; **41:** 291

ultrasonographic diagnosis and assisted surgical management of hematotrachelos and hematometra due to uterine cervical atresia with associated vaginal agenesis, Sherer DM; Beyth Y, J Ultrasound Med 1989; **8:** 321

uterine ring and fetal demise, Jeanty P; Johns R; Boehm F, J Ultrasound Med 1989; **8:** 635

Uterus, anatomy

junctional zone of the uterus: correlation of MR imaging and histologic examination of hysterectomy specimens, Scoutt LM; Flynn SD; Luthringer DJ; McCauley TR; McCarthy SM, Radiology 1991; **179:** 403

Uterus, biopsy

uterine cervical punch biopsy specimens can be analyzed by ^{1}H MRS, Mountford CE; Delikatny EJ; Dyne M; et al, Magn Res Med 1990; **13:** 324

Uterus, CT

anatomic changes in the pelvis after uncomplicated vaginal delivery: a CT study on 14 women, Garagiola DM; Tarver RD; Gibson L; et al, AJR 1989; **153:** 1239

computed tomography for localization of intra-abdominally dislocated intrauterine devices, Hederström E; Ahlgren M; Salminen H, Acta Radiol 1989; **30:** 531

computed tomography of lymphogranuloma venereum mimicking cervical cancer, Zweizig S; Schlaerth JB; Boswell WD Jr, Comput Med Imag Graph 1991; **15:** 97

CT appearance of diffuse peritoneal endometriosis, Nardi PM; Ruchman RB, JCAT 1989; **13:** 1075

CT appearance of the pelvis after cesarean section, Twickler DM; Setiawan AT; Harrell RS; et al, AJR 1991; **156:** 523

CT appearance of uterine leiomyomas, Casillas J; Joseph RC; Guerra JJ Jr, Radiographics 1990; **10:** 999

uterine perforation simulating urachal carcinoma: CT diagnosis, Kronthal AJ; Fishman EK; Sanders RC; et al, AJR 1990; **154:** 741

uterine rupture secondary to trauma: CT findings, Dash N; Lupetin AR, JCAT 1991; **15:** 329

Uterus, cysts

cystic pelvic mass in a patient having recurrent carcinoma of the cervix, Eising EG; Reiser MF; Vassallo P; et al, Invest Radiol 1990; **25:** 205

Uterus, diseases

computed tomography of lymphogranuloma venereum mimicking cervical cancer, Zweizig S; Schlaerth JB; Boswell WD Jr, Comput Med Imag Graph 1991; **15:** 97

hysterosonography and hysterography in benign and malignant diseases of the uterus: a comparative in vitro study, Hoetzinger H, J Ultrasound Med 1991; **10:** 259

radiation-induced uterine changes: MR imaging, Arrivé L; Chang YCF; Hricak H; Brescia RJ; Auffermann W; Quivey JM, Radiology 1989; **170:** 55

Uterus, endometrium

clinical stage I endometrial cancer: results of adjuvant irradiation and patterns of failure, Grigsby PW; Perez CA; Kuten A; et al, Int J Radiat Oncol Biol Phys 1991; **21:** 379

cytokine CSF-1 (M-CSF) expressed by endometrial carcinomas *in vivo* and *in vitro*, may also be a circulating tumor marker of neoplastic disease activity in endometrial carcinoma patients, Kacinski BM; Chambers SK; Stanley ER; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 619

endometrial hyperplasia: value of endometrial thickness in ultrasonographic diagnosis and clinical significance, Malpani A; Singer J; Wolverson MK; et al, JCU 1990; **18:** 173

endometrial thickness after menopause: effect of hormone replacement, Lin MC; Gosink BB; Wolf SI; Feldesman MR; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 427

hysterographic demonstration of multiple endometrial polyps: case report, Ernst R; Krysiewicz S, Urol Radiol 1990; **12:** 118

limited hormonal responsiveness of ectopic endometrium: histologic correlation with intrauterine endometrium, (ab), Metzger DA; Olive DL; Haney AF, Radiology 1989; **172:** 292

patterns of failure in patients with stage I, grade 3 carcinoma of the endometrium, Greven KM; Randall M; Fanning J; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 529

prognosis of endometrial carcinoma stage I in two Swedish regions: a study with special regard to the effects of intracavitary irradiation with high dose-rate afterloading technique or with low dose-rate radium, Sorbe B; Kjellgren O; Sténson S, Acta Oncol 1990; **29:** 29

prognostic significance of growth pattern and its relation to tumor cell nuclear DNA content in endometrial carcinoma, Moberger B; Auer G; Einhorn N; et al, Acta Oncol 1990; **29:** 17

radical hysterectomy for stage I and II endometrial carcinoma: a retrospective analysis of 179 cases, Calais G; Le Floch O; Descamps P; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 677

results of treatment in locally advanced carcinoma of the endometrium, Ahmad K; Kim YH; Deppe G; et al, Acta Oncol 1990; **29:** 203

role of intracavitary cuff boost after adjuvant external irradiation in early endometrial carcinoma, Randall ME; Wilder J; Greven K; et al, Int J Radiat Oncol Biol Phys 1990; **19:** 49

transvaginal scanning of the endometrium, Fleischer AC; Gordon AN; Entman SS; et al, JCU 1990; **18:** 337

transvaginal sonography of the endometrium during induced cycles, Fleischer AC; Herbert CM III; Hill GA; et al, J Ultrasound Med 1991; **10:** 93

US monitoring of endometrial thickness in estrogen replacement therapy, Currie JL, Radiology 1991; **180:** 306

uterine changes after dilation and curettage: MR imaging findings, Ascher SM; Scoutt LM; McCarthy SM; Lange RC; DeCherney AH, Radiology 1991; **180:** 433

uterine junctional zone: correlation between histologic findings and MR imaging, Brown HK; Stoll BS; Nicosia SV; Fiorica JV; Hambley PS; Clarke LP; Silbiger ML, Radiology 1991; **179:** 409

zones of the uterus: discrepancy between US and MR images, Mitchell DG; Schonholz L; Hilpert PL; Pennell RG; Blum L; Rifkin MD, Radiology 1990; **174:** 827

Uterus, hemorrhage

diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Lindequist S; Justesen P; Larsen C; Rasmussen F, Radiology 1991; **179:** 69

intrauterine hematoma: diagnostic and clinical aspects, Mandruzzato GP; D'Ottavio G; Rustico MA; et al, JCU 1989; **17:** 503

threatened miscarriage and intrauterine hematomas: sonographic and biochemical studies, Stabile I; Campbell S; Grudzinskas JG, J Ultrasound Med 1989; **8:** 289

ultrasonographic diagnosis and assisted surgical management of hematotrachelos and hematometra due to uterine cervical atresia with associated vaginal agenesis, Sherer DM; Beyth Y, J Ultrasound Med 1989; **8:** 321

Uterus, hydatidiform mole

appearance of molar pregnancy 9.5 weeks after conception: use of transvaginal ultrasound for early diagnosis, Crade M; Weber PR, J Ultrasound Med 1991; **10:** 473

transvaginal sonographic diagnosis of a hydatidiform mole occurring two weeks after curettage for an incomplete abortion, Sherer DM; Allen T; Woods J Jr, JCU 1991; **19:** 224

transvaginal ultrasound diagnosis and treatment follow-up of invasive gestational trophoblastic disease, Schneider DF; Bukovsky I; Weinraub Z; et al, JCU 1990; **18:** 110

ultrasonic morphology of the uterus and ovaries after treatment of invasive mole and gestational choriocarcinoma, Long MG; Boultbee JE; Begent RHJ; et al, Br J Radiol 1990; **63:** 942

Uterus, MR

abnormalities of the uterus and cervix after diethylstilbestrol exposure: correlation of findings on MR and hysterosalpingography, van Gils APG; Tjon A Tham RTO; Falke THM; et al, AJR 1989; **153:** 1235

carcinoma of the uterus: use of gadopentetate dimeglumine in MR imaging, Hricak H; Hamm B; Semelka RC; Cann CE; Nauert T; Secaf E; Stern JL; Wolf K-J, Radiology 1991; **181:** 95

cervical incompetence: preliminary evaluation with MR imaging, Hricak H; Chang YCF; Cann CE; Parer JT, Radiology 1990; **174:** 821

enlarged uterus: differentiation between adenomyosis and leiomyoma with MR imaging, Togashi K; Ozasa H; Konishi I; Itoh H; Nishimura K; Fujisawa I; Noma S; Sagoh T; Minami S; Yamashita K; Nakano Y; Konishi J; Mori T, Radiology 1989; **171:** 531

evaluation of MRI contrast in the uterus using synthetic imaging, Lange RC; Duberg AC; McCarthy SM, Magn Res Med 1991; **17:** 279

hemangioma of the uterine cervix: sonographic and MR diagnosis, Hawes DR; Hemann LS; Cornell AE; et al, JCAT 1991; **15:** 152

high-signal-intensity rim surrounding uterine leiomyomas on MR images: pathologic correlation, Mittl RL Jr; Yeh I-T; Kressel HY, Radiology 1991; **180:** 81

junctional zone of the uterus: correlation of MR imaging and histologic examination of hysterectomy specimens, Scoutt LM; Flynn SD; Luthringer DJ; McCauley TR; McCarthy SM, Radiology 1991; **179:** 403

MR imaging of the cervix: off-axis scan to improve visualization of zonal anatomy, Baumgartner BR; Bernardino ME, AJR 1989; **153:** 1001

MR imaging of uterine inversion, Lewin JS; Bryan PJ, JCAT 1989; **13:** 357

Müllerian duct anomalies: MR imaging evaluation, Carrington BM; Hricak H; Nuruddin RN; Secaf E; Laros RK Jr; Hill EC, Radiology 1990; **176:** 715

oblique NMR imaging of the uterus in macaques: uterine response to estrogen stimulation, Waterton JC; Miller D; Dukes M; et al, Magn Res Med 1991; **20:** 228

radiation-induced uterine changes: MR imaging, Arrivé L; Chang YCF; Hricak H; Brescia RJ; Auffermann W; Quivey JM, Radiology 1989; **170:** 55

uterine cervical punch biopsy specimens can be analyzed by ^{1}H MRS, Mountford CE; Delikatny EJ; Dyne M; et al, Magn Res Med 1990; **13:** 324

uterine changes after dilation and curettage: MR imaging findings, Ascher SM; Scoutt LM; McCarthy SM; Lange RC; DeCherney AH, Radiology 1991; **180:** 433

uterine junctional zone: correlation between histologic findings and MR imaging, Brown HK; Stoll BS; Nicosia SV; Fiorica JV; Hambley PS; Clarke LP; Silbiger ML, Radiology 1991; **179:** 409

uterine junctional zone: MR study of water content and relaxation properties, McCarthy S; Scott G; Majumdar S; Shapiro B; Thompson S; Lange R; Gore J, Radiology 1989; **171:** 241

zones of the uterus: discrepancy between US and MR images, Mitchell DG; Schonholz L; Hilpert PL; Pennell RG; Blum L; Rifkin MD, Radiology 1990; **174:** 827

Uterus, myometrium

uterine junctional zone: correlation between histologic findings and MR imaging, Brown HK; Stoll BS; Nicosia SV; Fiorica JV; Hambley PS; Clarke LP; Silbiger ML, Radiology 1991; **179:** 409

Uterus, neoplasms

See Uterine neoplasms

Uterus, perforation

transabdominal and transvaginal ultrasonography of uterine perforation following suction curettage, Forster BB; Siu CM; Murray JB; et al, J Canad Assoc Radiol 1989; **40:** 318

uterine perforation simulating urachal carcinoma: CT diagnosis, Kronthal AJ; Fishman EK; Sanders RC; et al, AJR 1990; **154:** 741

Uterus, radiography

abnormalities of the uterus and cervix after diethylstilbestrol exposure: correlation of findings on MR and hysterosalpingography, van Gils APG; Tjon A Tham RTO; Falke THM; et al, AJR 1989; **153:** 1235

comparison between iotrolan, a non-ionic dimer, and a hyperosmolar contrast medium, Urografin, in hysterosalpingography, Brokensha C; Whitehouse G, Br J Radiol 1991; **64:** 587

device for hysterosalpingography and fallopian tube catheterization, Thurmond AS; Uchida BT; Rösch J, Radiology 1990; **174:** 571

diagnostic quality and complications of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Lindequist S; Justesen P; Larsen C; Rasmussen F, Radiology 1991; **179:** 69

hysterosalpingography, Karasick S, Urol Radiol 1991; **13:** 67

hysterosalpingography and fallopian tube cannulation: use of a double-balloon introducing catheter, Meyerovitz MF, Radiology 1991; **181:** 901

hysterosalpingography with a balloon catheter versus a cannula: evaluation of patient pain, Varpula M, Radiology 1989; **172:** 745

hysterosonography and hysterography in benign and malignant diseases of the uterus: a comparative in vitro study, Hoetzinger H, J Ultrasound Med 1991; **10:** 259

peritoneal reaction resulting from iodinated contrast material: comparative study, Eisenberg AD; Winfield AC; Page DL; Holburn GE; Schifter T; Segars JH, Radiology 1989; **172:** 149

peritubal adhesions in infertile women: diagnosis with hysterosalpingography, Karasick S; Goldfarb AF, AJR 1989; **152:** 777

selective injection of contrast media: inflammatory effects on rabbit fallopian tubes, Thurmond AS; Hedgpeth PL; Scanlan RM, Radiology 1991; **180:** 97

septate versus bicornuate uteri: errors in imaging diagnosis, Reuter KL; Daly DC; Cohen SM, Radiology 1989; **172:** 749

technetium-99m hysterosalpingography in infertility: an accurate alternative to contrast hysterosalpingography, Angtuaco TL; Boyd CM; London SN; Powell LG; Diner WC; Vandergrift JF; Bersey ML; Bass BM; Donovan SA, Radiographics 1989; **9:** 115

therapeutic effect of hysterosalpingography: oil- versus water-soluble contrast media—a randomized prospective study, Rasmussen F; Lindequist S; Larsen C; Justesen P, Radiology 1991; **179:** 75

value of hysterosalpingography before reversal of sterilization procedures involving the fallopian tubes, Karasick S; Ehrlich S, AJR 1989; **153:** 1247

Uterus, radionuclide studies

technetium-99m hysterosalpingography in infertility: an accurate alternative to contrast hysterosalpingography, Angtuaco TL; Boyd CM; London SN; Powell LG; Diner WC; Vandergrift JF; Bersey ML; Bass BM; Donovan SA, Radiographics 1989; **9:** 115

uterine doughnut: potential pitfall for technetium-99m gastrointestinal bleeding study, Swayne LC, Clin Nucl Med 1990; **14:** 759

Uterus, rupture

extrauterine amniotic sac (amniocele): clinical workup in a case of silent uterine rupture, Kushnir O; Tamarkin M; Barkai G; et al, J Ultrasound Med 1990; **9:** 367

uterine rupture secondary to trauma: CT findings, Dash N; Lupetin AR, JCAT 1991; **15:** 329

Uterus, size

radiation-induced uterine changes: MR imaging, Arrivé L; Chang YCF; Hricak H; Brescia RJ; Auffermann W; Quivey JM, Radiology 1989; **170:** 55

ultrasound of the normal nongravid uterus: correlation with gross and histopathology, Platt JF; Bree RL; Davidson D, JCU 1990; **18:** 15

Uterus, US

See also Fetus, US; Pregnancy, US

appearance of molar pregnancy 9.5 weeks after conception: use of transvaginal ultrasound for early diagnosis, Crade M; Weber PR, J Ultrasound Med 1991; **10:** 473

effect of calcium channel blocker nifedipine on uterine artery flow velocity waveforms, Thaler I; Wiener Z; Manor D; et al, J Ultrasound Med 1991; **10:** 301

endometrial hyperplasia: value of endometrial thickness in ultrasonographic diagnosis and clinical significance, Malpani A; Singer J; Wolverson MK; et al, JCU 1990; **18:** 173

endometrial thickness after menopause: effect of hormone replacement, Lin MC; Gosink BB; Wolf SI; Feldesman MR; Stuenkel CA; Braly PS; Pretorius DH, Radiology 1991; **180:** 427

endovaginal sonographic appearance of a DES uterus, Lev-Toaff AS; Toaff ME; Friedman AC, J Ultrasound Med 1990; **9:** 661

hemangioma of the uterine cervix: sonographic and MR diagnosis, Hawes DR; Hemann LS; Cornell AE; et al, JCAT 1991; **15:** 152

how accurate is ultrasonography in monitoring IUD placement?, Bonilla-Musoles F; Pardo G; Simon C, JCU 1990; **18:** 395

hysterosonography and hysterography in benign and malignant diseases of the uterus: a comparative in vitro study, Hoetzinger H, J Ultrasound Med 1991; **10:** 259

improving the outcome of cervical cerclage by sonographic follow-up, Rana J; Davis SE; Harrigan JT, J Ultrasound Med 1990; **9:** 275

infection in utero: US findings in 19 cases, Drose JA; Dennis MA; Thickman D, Radiology 1991; **178:** 369

intraoperative guidance for intrauterine procedures with transrectal sonography, Fleischer AC; Burnett LS; Murray MJ; Jones HW III, Radiology 1990; **176:** 576

intrauterine shelves in pregnancy: sonographic observations, Brown DL; Felker RE; Emerson DS, AJR 1989; **153:** 821

new applications of pelvic sonography, Fleischer AC, Urol Radiol 1991; **13:** 9

observation of cesarean section scar by transvaginal ultrasonography, Chen H-Y; Chen S-J; Hsieh F-J, Ultrasound Med Biol 1990; **16:** 443

obstructed uterovaginal anomalies: demonstration with sonography: part II. teenagers, Blask ARN; Sanders RC; Rock JA, Radiology 1991; **179:** 84

septate versus bicornuate uteri: errors in imaging diagnosis, Reuter KL; Daly DC; Cohen SM, Radiology 1989; **172:** 749

sonographic diagnosis of premature cervical dilatation: potential pitfall due to lower uterine segment contractions, Karis JP; Hertzberg BS; Bowie JD, J Ultrasound Med 1991; **10:** 83

sonography of the cervix during the third trimester pregnancy: value of the transperineal approach, Hertzberg BS; Bowie JD; Weber TM; et al, AJR 1991; **157:** 73

sonography of the puerperal uterus, Lavery JP; Shaw LA, J Ultrasound Med 1989; **8:** 481

technical aspects of vaginal ultrasound, Laing FC, Semin US CT MR 1990; **11:** 4

transabdominal and transvaginal ultrasonography of uterine perforation following suction curettage, Forster BB; Siu CM; Murray JB; et al, J Canad Assoc Radiol 1989; **40:** 318

translabial ultrasound of the third-trimester uterine cervix: correlation with digital examination, Mahony BS; Nyberg DA; Luthy DA; et al, J Ultrasound Med 1990; **9:** 717

transvaginal and transabdominal ultrasonography of the uterine cervix during pregnancy, Andersen HF, JCU 1991; **19:** 77

transvaginal color Doppler imaging, Kurjak A; Jurkovic D; Alfirevic Z; et al, JCU 1990; **18:** 227

transvaginal scanning of the endometrium, Fleischer AC; Gordon AN; Entman SS; et al, JCU 1990; **18:** 337

transvaginal sonographic diagnosis of a hydatidiform mole occurring two weeks after curettage for an incomplete abortion, Sherer DM; Allen T; Woods J Jr, JCU 1991; **19:** 224

transvaginal sonographic evaluation of the retrodisplaced uterus, Lamki N; Athey P; Dunn G; et al, J Canad Assoc Radiol 1990; **41:** 291

transvaginal sonography: applications in infertility, Fleischer AC; Herbert CM III; Hill GA; et al, Semin US CT MR 1990; **11:** 71

transvaginal sonography of the endometrium during induced cycles, Fleischer AC; Herbert CM III; Hill GA; et al, J Ultrasound Med 1991; **10:** 93

transvaginal sonography of the endometrium during ovum pickup in stimulated cycles for in vitro fertilization, Welker BG; Gembruch U; Diedrich K; et al, J Ultrasound Med 1989; **8:** 549

transvaginal ultrasound diagnosis and treatment follow-up of invasive gestational trophoblastic disease, Schneider DF; Bukovsky I; Weinraub Z; et al, JCU 1990; **18:** 110

ultrasonic morphology of the uterus and ovaries after treatment of invasive mole and gestational choriocarcinoma, Long MG; Boultbee JE; Begent RHJ; et al, Br J Radiol 1990; **63:** 942

ultrasound of the normal nongravid uterus: correlation with gross and histopathology, Platt JF; Bree RL; Davidson D, JCU 1990; **18:** 15

ultrasound of the postpartum uterus: prediction of retained placental tissue, Hertzberg BS; Bowie JD, J Ultrasound Med 1991; **10:** 451

ultrasound volumetry in hematometrocolpos, Ali GM; Kordorff R; Franke D, JCU 1989; **17:** 257

US monitoring of endometrial thickness in estrogen replacement therapy, Currie JL, Radiology 1991; **180:** 306

uterus: a new look with transvaginal sonography, Lewit N; Thaler I; Rottem S, JCU 1990; **18:** 331

vaginal sonography in the diagnosis of uterine rupture, Kushnir O; Izquierdo LA; Sigman RK; et al, J Ultrasound Med 1990; **9:** 169

zones of the uterus: discrepancy between US and MR images, Mitchell DG; Schonholz L; Hilpert PL; Pennell RG; Blum L; Rifkin MD, Radiology 1990; **174:** 827

V

Vagina, abnormalities
cloacal malformation: radiologic findings and imaging recommendations, Jaramillo D; Lebowitz RL; Hendren WH, Radiology 1990; **177:** 441
cloacal malformations and exstrophy syndromes, Wood BP, Radiology 1990; **177:** 326
gynecologic vascular abnormalities: diagnosis with Doppler US, Jain KA; Jeffrey RB Jr; Sommer FG, Radiology 1991; **178:** 549
imaging of uterovaginal anomalies in the pediatric patient, Shatzkes DR; Haller JO; Velcek FT, Urol Radiol 1991; **13:** 58
MRI in distal vaginal atresia, Hugosson C; Jorulf H; Bakri Y, Pediatr Radiol 1991; **21:** 281
obstructed uterovaginal anomalies: demonstration with sonography: part I. neonates and infants, Blask ARN; Sanders RC; Gearhart JP, Radiology 1991; **179:** 79
obstructed uterovaginal anomalies: demonstration with sonography: part II. teenagers, Blask ARN; Sanders RC; Rock JA, Radiology 1991; **179:** 84
ultrasonographic diagnosis and assisted surgical management of hematotrachelos and hematometra due to uterine cervical atresia with associated vaginal agenesis, Sherer DM; Beyth Y, J Ultrasound Med 1989; **8:** 321
use of intraoperative ultrasonography in the surgical correction of a transverse vaginal septum, Edwards-Freeman C; Amin HK; Abiri M; et al, JCU 1991; **19:** 48
value of transperineal sonography in the assessment of vaginal atresia, Scanlan KA; Pozniak MA; Fagerholm M; et al, AJR 1990; **154:** 545

Vagina, CT
air in vagina: indicator of intrapelvic pathology on CT, Hadar H; Kornreich L; Heifetz M; et al, Acta Radiol 1991; **32:** 170
contrast material in posterior vaginal fornix mimicking bladder rupture: CT features, Pistoia F; Markowitz SK; Sussman SK, JCAT 1989; **13:** 153
vaginal reconstruction with rectus abdominis myocutaneous flap: CT findings, Willing SJ; Pursell SH; Koch SR; et al, AJR 1991; **156:** 1001

Vagina, MR
MRI in distal vaginal atresia, Hugosson C; Jorulf H; Bakri Y, Pediatr Radiol 1991; **21:** 281

Vagina, neoplasms
air in vagina: indicator of intrapelvic pathology on CT, Hadar H; Kornreich L; Heifetz M; et al, Acta Radiol 1991; **32:** 170
pedunculated leiomyosarcoma of the vaginal cuff after total hysterectomy: CT features, Outwater E; Gerzof SG, JCAT 1989; **13:** 1095
postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; **175:** 805
primary malignant melanoma of the vagina, Constant O; Blake P, Br J Radiol 1989; **62:** 623
three-port perineal sparing technique, Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM, Radiology 1991; **180:** 563
vaginal reconstruction with rectus abdominis myocutaneous flap: CT findings, Willing SJ; Pursell SH; Koch SR; et al, AJR 1991; **156:** 1001

Vagina, therapeutic radiology
design of an afterloading vaginal applicator (MIRALVA), Perez CA; Slessinger E; Grigsby PW, Int J Radiat Oncol Biol Phys 1990; **18:** 1503
three-port perineal sparing technique, Spencer SA; Pareek PN; Brezovich I; Larson BJ; Kim RY; Plott WG; Meredith RF; Smith JW; Weppelmann B; Soong S-J; Salter MM, Radiology 1991; **180:** 563
use of microwave-induced hyperthermia in conjunction with afterloading irradiation of vaginal carcinoma: a preliminary report, Sorbe B; Roos DIF; Karlsson LG, Acta Oncol 1990; **29:** 1029

Vagina, US
use of intraoperative ultrasonography in the surgical correction of a transverse vaginal septum, Edwards-Freeman C; Amin HK; Abiri M; et al, JCU 1991; **19:** 48
vaginal sonography in the diagnosis of uterine rupture, Xushnir O; Izquierdo LA; Sigman RK; et al, J Ultrasound Med 1990; **9:** 169

Varices
See Esophagus, varices; Kidney, varices; Stomach, varices

Varicocele
computed tomographic, ultrasound, and plain film appearance of phleboliths in varicoceles, Gottlieb RH; Poster R; Subudhi MK, J Ultrasound Med 1989; **8:** 329
correlation of testicular color Doppler ultrasonography, physical examination and venography in the detection of left varicoceles in men with infertility, (ab), Petros JA; Andriole GL; Middleton WD; et al, Radiology 1991; **181:** 293
incidence and clinical significance of subclinical scrotal varicoceles, (ab), Yarborough MA; Burns JR; Keller FS, Radiology 1990; **174:** 292
ovarian varicocele: ultrasonic and phlebographic evaluation, Giacchetto C; Cotroneo GB; Marincolo F; et al, JCU 1990; **18:** 551
percutaneous removal of a Gianturco coil from the pulmonary artery with use of flexible intravascular forceps, Chomyn JJ; Craven WM; Groves BM; Durham JD, JVIR 1991; **2:** 105
percutaneous sclerotherapy of idiopathic varicocele in childhood: a preliminary report, (ab), Thon WF; Gall H; Danz B; et al, Radiology 1989; **173:** 589
radiologic anatomy of the genital venous system in female patients with varicocele, (ab), Giacchetto C; Catizone F; Cotroneo GB; et al, Radiology 1990; **175:** 884
recognition of acute testicular torsion and contralateral varicocele by the use of technetium-99m RBC imaging, Wallace JC, Clin Nucl Med 1990; **15:** 357
testicular ischemia and infarction following herniorrhaphy or varicocelectomy: evaluation by radionuclide imaging, Nagle C; Clark K; Browning D; et al, Clin Nucl Med 1989; **14:** 243
transcatheter embolization of an arteriovenous malformation of the scrotum, Bezirdjian DR; Reznikov PD; Tisnado J, Cardiovasc Intervent Radiol 1989; **12:** 267
transcatheter embolization of testicular vein for varicocele testis, Kuroiwa T; Hasuo K; Yasumori K; et al, Acta Radiol 1991; **32:** 311
varicoceles: radiologic diagnosis and treatment, Demas BE; Hricak H; McClure RD, Radiol Clin North Am 1991; **29:** 619

Varicose veins
See Veins, extremities

Vasculitis
case report: cerebral arteritis with unusual distribution, Husein AMA; Haq N, Clin Radiol 1990; **41:** 353
MR imaging of vasculitis of the testis, Hayward I; Trambert MA; Mattrey RF; et al, JCAT 1991; **15:** 502
mycotic vasculitis with repeated intracranial aneurysmal hemorrhage, (ab), Venger BH; Aldama AE, Radiology 1989; **172:** 588
periventricular involvement in CNS lymphomatoid granulomatosis: MR demonstration, Smith AS; Huang TE; Weinstein MA, JCAT 1990; **14:** 291
pulmonary angiitis and granulomatosis: a review, Weisbrod GL, J Canad Assoc Radiol 1989; **40:** 127
systemic vasculitis. a temporal bone histopathologic study, (ab), Yoon TH; Paparella MM; Schachern PA, Radiology 1990; **175:** 292

Vasopressin
gastric and splenic infarction: a complication of intraarterial vasopressin infusion, Sweren BS; Bohlman ME, Cardiovasc Intervent Radiol 1989; **12:** 207
vasopressin release in response to intravenously injected contrast media, Trewhella M; Dawson P; Forsling M; et al, Br J Radiol 1990; **63:** 97
water intoxication: a complication of pelvic US in a patient with syndrome of inappropriate antidiuretic hormone secretion, Bhargava R; Lewandowski BJ, Radiology 1991; **180:** 723

Veins
See also Angiography; Arteriovenous malformations; Cerebral blood vessels; Coronary vessels; Embolism; Thrombosis; Venography; under names of specific blood vessels, such as Portal vein; Renal veins; etc.
aging reduces venous distensibility and the venodilatory response to nitroglycerin in normal subjects, (ab), Gascho JA; Fanelli C; Zelis R, Radiology 1990; **174:** 588
vascular smooth muscle contraction and relaxation: pathways and chemical modulation, Consigny PM, JVIR 1991; **2:** 309

Veins, abnormalities
aberrant right gastric vein directly communicating with left portal vein system: incidence and implications, Takayasu K; Aoki K; Ichikawa T; et al, Acta Radiol 1990; **31:** 575
anomalous systemic and pulmonary venous pathways diagnosed in utero by ultrasound, DiSessa TG; Emerson DS; Felker RE; et al, J Ultrasound Med 1990; **9:** 311
biological classification of soft-tissue vascular anomalies: MR correlation, Meyer JS; Hoffer FA; Barnes PD; et al, AJR 1991; **157:** 559
case report: jejunal vascular malformation in Klippel-Trenaunay syndrome, Brown R; Ohri SK; Ghosh P; et al, Clin Radiol 1991; **44:** 134
cerebral venous malformations, Jackson G; Champness P; Sacharias N, Australas Radiol 1989; **33:** 132
chronic venous insufficiency: assessment with descending venography, Morano JU; Raju S, Radiology 1990; **174:** 441
color Doppler flow imaging of the normal and abnormal orbit, Erickson SJ; Hendrix LE; Massaro BM; Harris GJ; Lewandowski MF; Foley WD; Lawson TL, Radiology 1989; **173:** 511
computed tomographic diagnosis of left superior vena cava and absence of the azygos vein: case report, Kullnig P; Melzer G; Hausegger K; et al, Cardiovasc Intervent Radiol 1990; **13:** 47
CT appearance of right gonadal vein, Rebner M; Gross BH; Korobkin M; et al, JCAT 1989; **13:** 460
CT demonstration of intrapulmonary right brachiocephalic vein associated with an azygos lobe, Mata JM; Cáceres J; Llauger J; et al, JCAT 1990; **14:** 305
CT evaluation of congenital and acquired abnormalities of the azygos system, Dudiak CM; Olson MC; Posniak HV, Radiographics 1991; **11:** 233
deep venous drainage in great cerebral vein (vein of Galen) absence and malformations, Lasjaunias P; Garcia-Monaco R; Rodesch G; et al, Neuroradiol 1991; **33:** 234
extracardiac vasculature in candidates for Fontan surgery: MR imaging, Julsrud PR; Ehman RL; Hagler DJ; Ilstrup DM, Radiology 1989; **173:** 503
false-negative IV-DSA in external jugular phlebectasia, Aggarwal S; Misra NK; Sharma S, J Canad Assoc Radiol 1989; **40:** 57
soft-tissue venous malformations in children: percutaneous sclerotherapy with Ethibloc, Dubois JM; Sebag GH; De Prost Y; Teillac D; Chretien B; Brunelle FO, Radiology 1991; **180:** 195
swollen neck in children: a report of two cases, Kovanlikaya I; Günbay MU; Pirnar T; et al, Pediatr Radiol 1990; **20:** 485
umbilical vein draining into the inferior vena cava via the internal iliac vein, bypassing the liver, Currarino G; Stannard MW; Kolni H, Pediatr Radiol 1991; **21:** 265
unusual cause of a pain in the calf, Banerjee AK, Br J Radiol 1991; **64:** 751
venous reflux: assessing the level of incompetence, Athanasoulis CA; Yucel EK, Radiology 1990; **174:** 326

Veins, axillary
axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Grassi CJ; Polak JF, Radiology 1990; **175:** 651

axillary vein thrombosis in a female backpacker: Paget-Schroetter syndrome, Kolodinsky SD; Brandschwei FH, J Canad Assoc Radiol 1989; **40:** 230

Veins, azygos

abnormalities of the azygos system: CT evaluation, Dudiak CM; Olson MC; Posniak HV, Semin Roentgenol 1989; **24:** 47

azygos lobe: its variation in health and disease, Felson B, Semin Roentgenol 1989; **24:** 56

case of the season, Shah Y, Semin Roentgenol 1989; **24:** 5

computed tomographic diagnosis of left superior vena cava and absence of the azygos vein: case report, Kullnig P; Melzer G; Hausegger K; et al, Cardiovasc Intervent Radiol 1990; **13:** 47

CT appearance of the retroaortic anastomoses of the azygos system, Takasugi JE; Godwin JD, AJR 1990; **154:** 41

CT evaluation of congenital and acquired abnormalities of the azygos system, Dudiak CM; Olson MC; Posniak HV, Radiographics 1991; **11:** 233

sonographic imaging of the fetal azygous vein: normal and pathologic appearance, Belfar HL; Hill LM; Peterson CS; et al, J Ultrasound Med 1990; **9:** 569

Veins, brachiocephalic

See Veins, innominate

Veins, CT

anatomic relationship between the common femoral artery and vein: CT evaluation and clinical significance, Baum PA; Matsumoto AH; Teitelbaum GP; Zuurbier RA; Barth KH, Radiology 1989; **173:** 775

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

CT appearance of right gonadal vein, Rebner M; Gross BH; Korobkin M; et al, JCAT 1989; **13:** 460

CT appearance of the retroaortic anastomoses of the azygos system, Takasugi JE; Godwin JD, AJR 1990; **154:** 41

CT demonstration of intrapulmonary right brachiocephalic vein associated with an azygos lobe, Mata JM; Cáceres J; Llauger J; et al, JCAT 1990; **14:** 305

CT evaluation of congenital and acquired abnormalities of the azygos system, Dudiak CM; Olson MC; Posniak HV, Radiographics 1991; **11:** 233

differentiating pelvic veins and enlarged lymph nodes: optimal CT techniques, Teefey SA; Baron RL; Schulte SJ; Shuman WP, Radiology 1990; **175:** 683

dilated posterior superior pancreaticoduodenal vein: recognition with CT and clinical significance in patients with pancreaticobiliary carcinomas, Mori H; Miyake H; Aikawa H; Monzen Y; Maeda T; Suzuki K; Matsumoto S; Wakisaka M, Radiology 1991; **181:** 793

dynamic CT of the laterosellar extradural venous spaces, Bonneville JF; Cattin F; Racle A; et al, AJNR 1989; **10:** 535

noninvasive methods in the diagnosis of isolated superior mesenteric vein thrombosis: US and CT, Franquet T; Bescos JM; Reparaz B, Gastrointest Radiol 1989; **14:** 321

visualization of a recanalized umbilical vein on hepatobiliary imaging with CT correlation, Alexander MS; Blake RA; Gelman R, Clin Nucl Med 1991; **16:** 517

Veins, extremities

anatomic relationship between the common femoral artery and vein: CT evaluation and clinical significance, Baum PA; Matsumoto AH; Teitelbaum GP; Zuurbier RA; Barth KH, Radiology 1989; **173:** 775

aneurysm formation in distal saphenous vein bypass grafts as a cause of graft failure, Straton CS; Beckmann CF; Jewell ER, Cardiovasc Intervent Radiol 1991; **14:** 167

arterial phlebography of the leg, Björk L, Acta Radiol 1991; **32:** 141

axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Grassi CJ; Polak JF, Radiology 1990; **175:** 651

chronic venous insufficiency: assessment with descending venography, Morano JU; Raju S, Radiology 1990; **174:** 441

color duplex sonography of extremity veins, Zwiebel WJ; Priest DL, Semin US CT MR 1990; **11:** 136

compression US in isolated calf venous thrombosis, Mussurakis S, Radiology 1991; **181:** 351

compression US in isolated calf venous thrombosis: reply, Yucel EK; Waltman AC, Radiology 1991; **181:** 352

deep venous thrombosis: experience with gradient-echo MR imaging in 66 patients, Spritzer CE; Sostman HD; Wilkes DC; Coleman RE, Radiology 1990; **177:** 235

deep venous thrombosis of extremities: role of MR imaging in the diagnosis, Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM, Radiology 1990; **174:** 425

diagnosis of femoropopliteal venous thrombosis with MR imaging: a comparison of four MR pulse sequences, Totterman S; Francis CW; Foster TH; et al, AJR 1990; **154:** 175

distribution of recurrent varicose veins: a phlebographic study, Loveday EJ; Thomas ML, Clin Radiol 1991; **43:** 47

evolution of deep venous thrombosis: a prospective evaluation with US, Murphy TP; Cronan JJ, Radiology 1990; **177:** 543

femoral vein compression in solitary osteochondroma of head of femur, Malik N; Khandelwal N; Mandal P; et al, Australas Radiol 1990; **34:** 91

iatrogenic changes at the venotomy site after percutaneous placement of the Greenfield filter, Dorfman GS; Cronan JJ; Paolella LP; Lambiase RE; Haas RA; Scola FH; Schepps B, Radiology 1989; **173:** 159

iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB, Radiology 1989; **170:** 749

incidence and sites of medial thigh communicating veins: a phlebographic study, Tung KT; Chan O; Thomas ML, Clin Radiol 1990; **41:** 339

isolated calf venous thrombosis: diagnosis with compression US, Yucel EK; Fisher JS; Egglin TK; Geller SC; Waltman AC, Radiology 1991; **179:** 443

sciatic venous drainage demonstrated by varicography in patients with a patent deep venous system, Trigaux J-PP; Van Beers BE; Delchambre FE; et al, Cardiovasc Intervent Radiol 1989; **12:** 103

spontaneous rupture of a lower extremity varix: case report, Teitelbaum GP; Davis PS, Cardiovasc Intervent Radiol 1989; **12:** 101

techniques for color flow sonography of the lower extremity, Knighton RA; Priest DL; Zwiebel WJ; Lawrence PF; Miller FJ; Rose SC, Radiographics 1990; **10:** 775

thrombosis at venous insertion sites after inferior vena caval filter placement, Mewissen MW; Erickson SJ; Foley WD; Lipchik EO; Olson DL; McCann KM; Schreiber ER, Radiology 1989; **173:** 155

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transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Ferris EJ, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Holden RW, JVIR 1991; **2:** 199

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venous thrombosis in patients who have undergone major hip or knee surgery: detection with compression US and impedance plethysmography, Ginsberg JS; Caco CC; Brill-Edwards PA; Panju AA; Bona R; Demers CM; Tuters LM; Nugent P; McGinnis J; Grant BM; Vander Lander Vries MA, Radiology 1991; **181:** 651

Veins, femoral

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis, Okrent D; Messersmith R; Buckman J, JVIR 1991; **2:** 195

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Waltman AC, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Ferris EJ, JVIR 1991; **2:** 198

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Veins, Galen

aneurysms of the vein of Galen: embryonic considerations and anatomical features relating to the pathogenesis of the malformation, Raybaud CA; Strother CM; Hald JK, Neuroradiol 1989; **31:** 109

colour Doppler imaging of arteriovenous malformation of the vein of Galen in a newborn, Deeg KH; Scharf J, Neuroradiol 1990; **32:** 60

deep venous drainage in great cerebral vein (vein of Galen) absence and malformations, Lasjaunias P; Garcia-Monaco R; Rodesch G; et al, Neuroradiol 1991; **33:** 234

transfemoral venous embolization of vein of Galen malformations, Dowd CF; Halbach VV; Barnwell SL; et al, AJNR 1990; **11:** 643

vein of Galen malformation: correlation of clinical presentation, arteriography, and MR imaging, Seidenwurm D; Berenstein A; Hyman A; et al, AJNR 1991; **12:** 347

Veins, grafts and prostheses

aneurysm formation in distal saphenous vein bypass grafts as a cause of graft failure, Straton CS; Beckmann CF; Jewell ER, Cardiovasc Intervent Radiol 1991; **14:** 167

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catheterization and angioplasty of the nonopacified peripheral autogenous vein bypass graft, (ab), Sprayregen S; Veith FJ; Bakal CW, Radiology 1989; **171:** 293

graft pseudoaneurysm simulating desmoid tumor recurrence, Huenchullan AC; Coblentz CL, J Canad Assoc Radiol 1990; **41:** 219

percutaneous transluminal angioplasty of a totally occluded venous bypass graft: a challenge that should be resisted, (ab), de Feyter PJ; Serruys P; van den Brand M; et al, Radiology 1990; **174:** 901

self-expanding stents for the treatment of a long venous stenosis in a dialysis shunt: case report, Günther RW; Vorwerk D; Klose KC; et al, Cardiovasc Intervent Radiol 1989; **12:** 29

short vein grafts in limb-saving arterial reconstructions, Veith FJ; Gupta SK; Wengerter KR; Farrell E, JVIR 1990; **1:** 57

therapeutic options for acute thrombosed in situ saphenous vein arterial bypass grafts, (ab), Bandyk DF; Towne JB; Schmitt DD; et al, Radiology 1990; **177:** 893

vena caval and central venous stenoses: management with Palmaz balloon-expandable intraluminal stents, Elson JD; Becker GJ; Wholey MH; Ehrman KO, JVIR 1991; **2:** 215

venous stenoses in dialysis shunts: treatment with self-expanding metallic stents, Günther RW; Vorwerk D; Bohndorf K; Klose KC; Kistler D; Mann H; Sieberth HG; El-Din A, Radiology 1989; **170:** 401

Veins, hepatic

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Veins, iliac

bilateral iliac vein filtration: an effective alternative to caval filtration in patients with megacava, (ab), Ramchandani P; Zeit RM; Koople HA, JVIR 1991; **2:** 412

caudal migration of the Günther vena caval filter, Schneider P-A; Parmeggiani L; Piguet J-C; Bounameaux H, Radiology 1989; **173:** 465

extrinsic compression of an iliac vein mimicking inferior vena cava obstruction, Williams W; Bocchini T; McNeill G; et al, Clin Nucl Med 1990; **14:** 689

obstruction of the iliac veins due to markedly distended urinary bladder demonstrated by radionuclide venography: a case report, Sezhiyan T; Yang DC; Fabila J; et al, Clin Nucl Med 1990; **15:** 787

paravertebral arteriovenous malformation with venous connection to left iliac vein: report of a case, Matsunaga N; Hayashi K; Aikawa H; et al, Acta Radiol 1989; **30:** 487

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis, Okrent D; Messersmith R; Buckman J, JVIR 1991; **2:** 195

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Waltman AC, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Ferris EJ, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Holden RW, JVIR 1991; **2:** 199

Veins, injuries

central venous catheter vascular erosions: diagnosis and clinical course, (ab), Ellis LM; Vogel SB; Copeland EM III, Radiology 1989; **173:** 885

management of vascular perforations that occur during neurointerventional procedures, Halbach VV; Higashida RT; Dowd CF; et al, AJNR 1991; **12:** 319

vascular injury complicating lumbar diskectomy: CT diagnosis, Kelly JJ; Reuter KL; Waite RJ, AJR 1989; **153:** 1233

Veins, innominate

computed tomographic diagnosis of left innominate vein aneurysm mimicking an anterior mediastinal mass on plain films: a case report, Marmolya G; Yagan R, J Thorac Imag 1989; **4-4:** 77

CT demonstration of intrapulmonary right brachiocephalic vein associated with an azygos lobe, Mata JM; Cáceres J; Llauger J; et al, JCAT 1990; **14:** 305

Veins, interventional procedure

See Veins, transluminal angioplasty

Veins, jugular

case report: bilateral massive internal jugular vein thrombosis in carcinoma of the thyroid: CT evaluation, Thomas S; Sawhney S; Kapur BML, Clin Radiol 1991; **43:** 433

false-negative IV-DSA in external jugular phlebectasia, Aggarwal S; Misra NK; Sharma S, J Canad Assoc Radiol 1989; **40:** 57

iatrogenic changes at the venotomy site after percutaneous placement of the Greenfield filter, Dorfman GS; Cronan JJ; Paolella LP; Lambiase RE; Haas RA; Scola FH; Schepps B, Radiology 1989; **173:** 159

internal jugular venous flow measurement by means of a duplex scanner, Müller HR; Hinn G; Buser MW, J Ultrasound Med 1990; **9:** 261

invasion of the carotid artery and jugular vein by lymph node metastases: detection with sonography, Gritzmann N; Grasl MC; Helmer M; et al, AJR 1990; **154:** 411

neck and thorax venous aneurysm: association with cystic hygroma, Joseph AE; Donaldson JS; Reynolds M, Radiology 1989; **170:** 109

paragangliomas of the jugular bulb and carotid body: MR imaging with short sequences and Gd-DTPA enhancement, Vogl TJ; Brüning R; Schedel HK; et al, AJNR 1989; **10:** 823

radiologic evaluation of pulsatile tinnitus and the vascular tympanic membrane, Remley KB; Harnsberger HR; Jacobs JM; et al, Semin US CT MR 1989; **10:** 236

swollen neck in children: a report of two cases, Kovanlikaya I; Günbay MU; Pirnar T; et al, Pediatr Radiol 1990; **20:** 485

thrombosis at venous insertion sites after inferior vena caval filter placement, Mewissen MW; Erickson SJ; Foley WD; Lipchik EO; Olson DL; McCann KM; Schreiber ER, Radiology 1989; **173:** 155

thrombus imaging with an I-123–labeled $F(ab')_2$ fragment of an anti–human fibrin monoclonal antibody in a rabbit model, Hashimoto Y; Stassen JM; Leclef B; De Roo M; Vandecruys A; Melin J; Verhoeven-Mester D; Trouet A; Collen D, Radiology 1989; **171:** 223

use of external jugular vein as a route for percutaneous inferior vena caval filter placement, McCowan TC; Ferris EJ; Carver DK; Harshfield DL, Radiology 1990; **176:** 527

Veins, mesenteric

mesenteric vascular anatomy at CT: normal and abnormal appearances, Zerin JM; DiPietro MA, Radiology 1991; **179:** 739

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; **171:** 653

mesenteric venous thrombosis, (ab), Harward TRS; Green D; Bergan JJ; et al, Radiology 1989; **173:** 293

noninvasive methods in the diagnosis of isolated superior mesenteric vein thrombosis: US and CT, Franquet T; Bescos JM; Reparaz B, Gastrointest Radiol 1989; **14:** 321

Veins, MR

assessing the patency of mediastinal and thoracic inlet veins: value of MR imaging, Hansen ME; Spritzer CE; Sostman HD, AJR 1990; **155:** 1177

biological classification of soft-tissue vascular anomalies: MR correlation, Meyer JS; Hoffer FA; Barnes PD; et al, AJR 1991; **157:** 559

deep venous thrombosis: experience with gradient-echo MR imaging in 66 patients, Spritzer CE; Sostman HD; Wilkes DC; Coleman RE, Radiology 1990; **177:** 235

deep venous thrombosis of extremities: role of MR imaging in the diagnosis, Erdman WA; Jayson HT; Redman HC; Miller GL; Parkey RW; Peshock RM, Radiology 1990; **174:** 425

diagnosis of abdominal venous thrombosis by means of spin-echo and gradient-echo MR imaging: analysis with receiver operating characteristic curves, Arrivé L; Menu Y; Dessarts I; Dubray B; Vullierme M-P; Vilgrain V; Najmark D; Nahum H, Radiology 1991; **181:** 661

diagnosis of femoropopliteal venous thrombosis with MR imaging: a comparison of four MR pulse sequences, Totterman S; Francis CW; Foster TH; et al, AJR 1990; **154:** 175

limitations of magnetic resonance imaging and ultrasound-directed (duplex) scanning in the diagnosis of subclavian vein thrombosis, (ab), Haire WD; Lynch TG; Lund GB; et al, JVIR 1991; **2:** 411

monitoring of therapy for deep vein thrombosis using magnetic resonance imaging, Francis CW; Foster TH; Totterman S; et al, Acta Radiol 1989; **30:** 445

noninvasive methods in the diagnosis of isolated superior mesenteric vein thrombosis: US and CT, Franquet T; Bescos JM; Reparaz B, Gastrointest Radiol 1989; **14:** 321

paragangliomas of the jugular bulb and carotid body: MR imaging with short sequences and Gd-DTPA enhancement, Vogl TJ; Brüning R; Schedel HK; et al, AJNR 1989; **10:** 823

real-time interactive color flow MR imaging, Riederer SJ; Wright RC; Ehman RL; Rossman PJ; Holsinger-Bampton AE; Hangiandreou NJ; Grimm RC, Radiology 1991; **181:** 33

sequential 2D inflow venography: initial clinical observations, Lanzer P; Gross GM; Keller FS; et al, Magn Res Med 1991; **19:** 470

two-dimensional MR angiography in the evaluation of abdominal veins with gradient refocused sequences, Gehl H-B; Bohndorf K; Klose K-C; et al, JCAT 1990; **14:** 619

Veins, ovarian

ovarian vein thrombosis in oncology patients: CT detection and clinical significance, Jacoby WT; Cohan RH; Baker ME, AJR 1990; **155:** 291

Veins, pancreatic

dilated posterior superior pancreaticoduodenal vein: recognition with CT and clinical significance in patients with pancreaticobiliary carcinomas, Mori H; Miyake H; Aikawa H; Monzen Y; Maeda T; Suzuki K; Matsumoto S; Wakisaka M, Radiology 1991; **181:** 793

Veins, popliteal

See also Veins, extremities

diagnosis of a popliteal venous aneurysm by venous duplex imaging, Katz ML; Comerota AJ, J Ultrasound Med 1991; **10:** 171

isolated popliteal vein entrapment, Nelson MC; Teitelbaum GP; Matsumoto AH; et al, Cardiovasc Intervent Radiol 1989; **12:** 301

popliteal vein thrombosis and popliteal artery compression complicating fibular osteochondroma: ultrasound diagnosis, Longo JM; Rodriguez-Cabello J; Bilbao JI; et al, JCU 1990; **18:** 507

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis, Okrent D; Messersmith R; Buckman J, JVIR 1991; **2:** 195

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Waltman AC, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Ferris EJ, JVIR 1991; **2:** 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Holden RW, JVIR 1991; **2:** 199

Veins, portal

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Veins, prostheses

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Veins, pulmonary

See Pulmonary veins

Veins, radionuclide studies

assessment of the splanchnic vascular capacity and capacitance using quantitative equilibrium blood-pool scintigraphy, Robinson VJB; Smiseth OA; Scott-Douglas NW; et al, J Nucl Med 1990; **31:** 154

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; **171:** 653

value of diagnostic tests for deep venous thrombosis: a decision analysis model, Venta LA; Venta ER; Mumford LM, Radiology 1990; **174:** 433

Veins, renal

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Veins, spermatic

aid for safer sclerotherapy of the internal spermatic vein, Hunter DW; Bildsoe MC; Amplatz K, Radiology 1989; **173:** 282

transcatheter embolization of testicular vein for varicocele testis, Kuroiwa T; Hasuo K; Yasumori K; et al, Acta Radiol 1991; **32:** 311

Veins, splenic

calcified splenic and portal vein thrombosis: an unusual cause of multiple high amplitude echoes in the spleen, Logan H; Meire H, Br J Radiol 1991; **64:** 366

CT-angiographic correlation of collateral venous pathways in isolated splenic vein occlusion: new observations, Marn CS; Glazer GM; Williams DM; Francis IR, Radiology 1990; **175:** 375

isolated gastric varices: splenic vein obstruction or portal hypertension, (ab), Levine MS; Kieu K; Rubesin SE; et al, JVIR 1991; **2:** 297

isolated gastric varices: splenic vein obstruction or portal hypertension?, Levine MS; Kieu K; Rubesin SE; et al, Gastrointest Radiol 1990; **15:** 188

splenic and portal venous thrombosis: a vascular complication of pancreatic disease demonstrated on computed tomography, Belli AM; Jennings CM; Nakielny RA, Clin Radiol 1990; **41:** 13

Veins, stenosis or obstruction

deep veins of the calf: assessment with color Doppler flow imaging, Polak JF; Culter SS; O'Leary DH, Radiology 1989; **171:** 481

extrinsic compression of an iliac vein mimicking inferior vena cava obstruction, Williams W; Bocchini T; McNeill G; et al, Clin Nucl Med 1990; **14:** 689

femoral vein compression in solitary osteochondroma of head of femur, Malik N; Khandelwal N; Mandal P; et al, Australas Radiol 1990; 34: 91

mesenteric vascular occlusion: a new diagnostic method using a radiolabeled monoclonal antibody reactive with platelets, Oster ZH; Som P; Zamora PO, Radiology 1989; 171: 653

obstruction of the iliac veins due to markedly distended urinary bladder demonstrated by radionuclide venography: a case report, Sezhiyan T; Yang DC; Fabila J; et al, Clin Nucl Med 1990; 15: 787

pelvic congestion in women: evaluation with transvaginal ultrasound and observation of venous pharmacology, Stones RW; Rae T; Rogers V; et al, Br J Radiol 1990; 63: 710

symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ, Radiology 1990; 175: 639

techniques for color flow sonography of the lower extremity, Knighton RA; Priest DL; Zwiebel WJ; Lawrence PF; Miller FJ; Rose SC, Radiographics 1990; 10: 775

vena caval and central venous stenoses: management with Palmaz balloon-expandable intraluminal stents, Elson JD; Becker GJ; Wholey MH; Ehrman KO, JVIR 1991; 2: 215

Veins, subclavian

importance of preoperative evaluation of the subclavian vein in dialysis access planning, Surratt RS; Picus D; Hicks ME; et al, AJR 1991; 156: 623

limitations of magnetic resonance imaging and ultrasound-directed (duplex) scanning in the diagnosis of subclavian vein thrombosis, (ab), Haire WD; Lynch TG; Lund GB; et al, JVIR 1991; 2: 411

limitations of magnetic resonance imaging and ultrasound-directed (duplex) scanning in the diagnosis of subclavian vein thrombosis, (ab), Haire WD; Lynch TG; Lund GB; et al, Radiology 1991; 180: 887

pinch-off syndrome: a complication of implantable subclavian venous access devices, Hinke DH; Zandt-Stastny DA; Goodman LR; Quebbeman EJ; Krzywda EA; Andris DA, Radiology 1990; 177: 353

radiologic placement of Hickman catheters, Robertson LJ; Mauro MA; Jaques PF, Radiology 1989; 170: 1007

subclavian vein thrombosis: a continuing challenge, (ab), Hill SL; Berry RE, JVIR 1990; 1: 137

subclavian vein thrombosis: a continuing challenge, (ab), Hill SL; Berry RE, Radiology 1991; 178: 295

Veins, therapeutic blockade

aid for safer sclerotherapy of the internal spermatic vein, Hunter DW; Bildsoe MC; Amplatz K, Radiology 1989; 173: 282

bleeding gastroesophageal varices: gastric vein embolization after partial portal decompression, Coldwell DM; Moore ADA; Ben-Menachem Y; Johansen KH, Radiology 1991; 178: 249

direct catheterization of the mesenteric vein: combined surgical and radiologic approach to the treatment of variceal hemorrhage, Durham JD; Kumpe DA; Van Stiegmann G; Goff JS; Subber SW; Rothbarth LJ, Radiology 1990; 177: 229

endovascular treatment of scalp arteriovenous fistulas associated with a large varix, Barnwell SL; Halbach VV; Dowd CF; Higashida RT; Hieshima GB, Radiology 1989; 173: 533

ethanol embolization of vascular malformations, Yakes WF; Luethke JM; Parker SH; Stavros AT; Rak KM; Hopper KD; Dreisbach JN; Griffin DJ; Seibert CE; Carter TE; Guilliland JD, Radiographics 1990; 10: 787

mortalities associated with use of a commercial suspension of polyvinyl alcohol, Repa I; Moradian GP; Dehner LP; Tadavarthy SM; Hunter DW; Castaneda-Zuniga WR; Wright GB; Katkov H; Johnson P; Chrenka B; Amplatz K, Radiology 1989; 170: 395

percutaneous removal of a Gianturco coil from the pulmonary artery with use of flexible intravascular forceps, Chomyn JJ; Craven WM; Groves BM; Durham JD, JVIR 1991; 2: 105

soft-tissue venous malformations in children: percutaneous sclerotherapy with Ethibloc, Dubois JM; Sebag GH; De Prost Y; Teillac D; Chretien B; Brunelle FO, Radiology 1991; 180: 195

stomal varices: percutaneous transhepatic embolization, Samaraweera RN; Feldman L; Widrich WC; Waltman A; Steinberg F; Greenfield A; Srinivasan M; Robbins AH; Johnson WC, Radiology 1989; 170: 779

thrombosis at venous insertion sites after inferior vena caval filter placement, Mewissen MW; Erickson SJ; Foley WD; Lipchik EO; Olson DL; McCann KM; Schreiber ER, Radiology 1989; 173: 155

transcatheter embolization of testicular vein for varicocele testis, Kuroiwa T; Hasuo K; Yasumori K; et al, Acta Radiol 1991; 32: 311

transfemoral venous embolization of vein of Galen malformations, Dowd CF; Halbach VV; Barnwell SL; et al, AJNR 1990; 11: 643

treatment of arteriovenous malformations of the mandible by arterial and venous embolization, Chiras J; Hassine D; Goudot P; et al, AJNR 1990; 11: 1191

treatment of variceal hemorrhage, Berman HL; DelGuercio LRM; Katz SG, Radiology 1991; 179: 285

treatment of variceal hemorrhage: reply, Durham JD; Van Stiegmann G, Radiology 1991; 179: 286

wire-directed detachable balloon: work in progress, Makita K; Furui S; Machida T; Yamauchi T; Tuchiya K; Irie T; Takenaka E, Radiology 1991; 180: 139

Veins, thrombosis

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Veins, transluminal angioplasty

cardiac radiology. RSNA '88 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, Radiology 1989; 170: 606

cardiovascular/interventional radiology: RSNA '88 meeting notes, Hunter DW; Cragg AH; Darcy MD; Ferris E; Thorpe P; Vogelzang RL; van Breda A; Herrera M; Castaneda F, Radiology 1989; 170: 910

catheterization and angioplasty of the nonopacified peripheral autogenous vein bypass graft, (ab), Sprayregen S; Veith FJ; Bakal CW, Radiology 1989; 171: 293

experience with in situ saphenous vein bypasses during 1981 to 1989: determinant factors of long-term patency, (ab), Bergamini TM; Towne JB; Bandyk DF; et al, Radiology 1991; 180: 295

percutaneous transhepatic portal vein angioplasty and stent placement after liver transplantation: early experience, Olcott EW; Ring EJ; Roberts JP; Ascher NL; Lake JR; Gordon RL, JVIR 1990; 1: 17

percutaneous transluminal angioplasty of a totally occluded venous bypass graft: a challenge that should be resisted, (ab), de Feyter PJ; Serruys P; van den Brand M; et al, Radiology 1990; 174: 901

pharmacomechanical thrombolysis and angioplasty in the management of clotted hemodialysis grafts: early and late clinical results, Valji K; Bookstein JJ; Roberts AC; Davis GB, Radiology 1991; 178: 243

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis, Okrent D; Messersmith R; Buckman J, JVIR 1991; 2: 195

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Waltman AC, JVIR 1991; 2: 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Ferris EJ, JVIR 1991; 2: 198

transcatheter fibrinolytic therapy and angioplasty for left iliofemoral venous thrombosis: invited commentary, Holden RW, JVIR 1991; 2: 199

Veins, umbilical

calcification of the ductus venosus: a cause of right upper quadrant calcification in the newborn, Rizzo AJ; Haller JO; Mulvihill DM; Cohen HL; Da Silva MG, Radiology 1989; 173: 89

hemodynamic significance of the paraumbilical vein in portal hypertension: assessment with duplex US, Mostbeck GH; Wittich GR; Herold C; Vergesslich KA; Walter RM; Frotz S; Sommer G, Radiology 1989; 170: 339

identification of a patent paraumbilical vein by using Doppler sonography: importance in the diagnosis of portal hypertension, Gibson RN; Gibson PR; Donlan JD; et al, AJR 1989; 153: 513

intrahepatic encystment of umbilical vein catheter infusate, Levkoff AH; Macpherson RI, Pediatr Radiol 1990; 20: 360

is it calcification of the ductus venosus or calcification of the umbilical vein?, Lafortune M, Radiology 1990; 176: 290

is it calcification of the ductus venosus or calcification of the ligamentum teres?, Abu-Yousef MM, Radiology 1990; 176: 291

is it calcification of the ductus venosus or calcification of the ligamentum teres?: reply, Rizzo AJ; Haller JO, Radiology 1990; 176: 291

persistent right umbilical vein: an ominous prenatal finding?, Jeanty P, Radiology 1990; 177: 735

umbilical and portal vein calcification following umbilical vein catheterization, Schneider K; Hartl M; Fendel H, Pediatr Radiol 1989; 19: 468

umbilical vein draining into the inferior vena cava via the internal iliac vein, bypassing the liver, Currarino G; Stannard MW; Kolni H, Pediatr Radiol 1991; 21: 265

visualization of a recanalized umbilical vein on hepatobiliary imaging with CT correlation, Alexander MS; Blake RA; Gelman R, Clin Nucl Med 1991; 16: 517

Veins, US

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; 174: 907

color Doppler flow imaging of the normal and abnormal orbit, Erickson SJ; Hendrix LE; Massaro BM; Harris GJ; Lewandowski MF; Foley WD; Lawson TL, Radiology 1989; 173: 511

color Doppler imaging of the iliofemoral region, Liu J-B; Merton DA; Mitchell DG; Needleman L; Kurtz AB; Goldberg BB, Radiographics 1990; 10: 403

color Doppler ultrasound imaging of lower-extremity venous disease, Foley WD; Middleton WD; Lawson TL; et al, AJR 1989; 152: 371

color duplex sonography of extremity veins, Zwiebel WJ; Priest DL, Semin US CT MR 1990; 11: 136

compression US in isolated calf venous thrombosis, Mussurakis S, Radiology 1991; 181: 351

compression US in isolated calf venous thrombosis: reply, Yucel EK; Waltman AC, Radiology 1991; 181: 352

contemporary venous imaging, Cronan JJ, Cardiovasc Intervent Radiol 1991; 14: 87

deep veins of the calf: assessment with color Doppler flow imaging, Polak JF; Culter SS; O'Leary DH, Radiology 1989; 171: 481

deep venous thrombosis: longitudinal study with Duplex US, Mantoni M, Radiology 1991; 179: 271

diagnosis of a popliteal venous aneurysm by venous duplex imaging, Katz ML; Comerota AJ, J Ultrasound Med 1991; 10: 171

evolution of deep venous thrombosis: a prospective evaluation with US, Murphy TP; Cronan JJ, Radiology 1990; 177: 543

iatrogenic changes at the venotomy site after percutaneous placement of the Greenfield filter, Dorfman GS; Cronan JJ; Paolella LP; Lambiase RE; Haas RA; Scola FH; Schepps B, Radiology 1989; 173: 159

iatrogenic femoral arteriovenous fistula: diagnosis with color Doppler imaging, Igidbashian VN; Mitchell DG; Middleton WD; Schwartz RA; Goldberg BB, Radiology 1989; 170: 749

identification of a patent paraumbilical vein by using Doppler sonography: importance in the diagnosis of portal hypertension, Gibson RN; Gibson PR; Donlan JD; et al, AJR 1989; 153: 513

internal jugular venous flow measurement by means of a duplex scanner, Müller HR; Hinn G; Buser MW, J Ultrasound Med 1990; 9: 261

isolated calf venous thrombosis: diagnosis with compression US, Yucel EK; Fisher JS; Egglin TK; Geller SC; Waltman AC, Radiology 1991; 179: 443

role of ultrasound in the management of vein of Galen aneurysms in infancy, Abbitt PL; Hurst RW; Ferguson RDG; et al, Neuroradiol 1990; 32: 86

symptomatic lower extremity deep venous thrombosis: accuracy, limitations, and role of color duplex flow imaging in diagnosis, Rose SC; Zwiebel WJ; Nelson BD; Priest DL; Knighton RA; Brown JW; Lawrence PF; Stults BM; Reading JC; Miller FJ, Radiology 1990; 175: 639

techniques for color flow sonography of the lower extremity, Knighton RA; Priest DL; Zwiebel WJ; Lawrence PF; Miller FJ; Rose SC, Radiographics 1990; 10: 775

transfontanelle pulsed Doppler measurement of blood flow velocity in the internal jugular vein, straight sinus, and internal cerebral vein in preterm and term neonates, Pfannschmidt J; Jorch G, Ultrasound Med Biol 1989; 15: 9

ultrasonography and Doppler duplex compared with angiography in follow-up of mesocaval shunt patency, Hederström E; Forsberg L; Ivancev K; et al, Acta Radiol 1990; 31: 341

US-guided venipuncture for venography in the edematous leg, Johns CM; Sumkin JH, Radiology 1991; 180: 573

value of diagnostic tests for deep venous thrombosis: a decision analysis model, Venta LA; Venta ER; Mumford LM, Radiology 1990; 174: 433

venous thrombosis in patients who have undergone major hip or knee surgery: detection with compression US and impedance plethysmography, Ginsberg JS; Caco CC; Brill-Edwards PA; Panju AA; Bona R; Demers CM; Tuters LM; Nugent P; McGinnis J; Grant BM; Vander Lander Vries MA, Radiology 1991; 181: 651

visualization of calf veins by color flow imaging, van Bemmelen PS; Bedford G; Strandness DE, Ultrasound Med Biol 1990; 16: 15

Venae cavae

inferior vena cava: translumbar catheterization for central venous access, Denny DF Jr; Greenwood LH; Morse SS; Lee GK; Baquero J, Radiology 1989; 172: 1013

post-traumatic fat embolism in the inferior vena cava, Liu P; Armstrong P; Skippen P, J Canad Assoc Radiol 1990; 41: 303

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; 176: 255

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; 177: 537

Venae cavae, abnormalities

anomalous superior vena cava causing non-visualization of the lungs in perfusion scintigraphy, Morgan A; Evans N, Br J Radiol 1989; 62: 78

computed tomographic diagnosis of left superior vena cava and absence of the azygos vein: case report, Kullnig P; Melzer G; Hausegger K; et al, Cardiovasc Intervent Radiol 1990; 13: 47

congenital anomalies of the superior vena cava: a CT study, Cormier MG; Yedlicka JW; Gray RJ; et al, Semin Roentgenol 1989; 24: 77

inhomogeneous enhancement of liver parenchyma secondary to passive congestion: contrast-enhanced CT, Holley HC; Koslin DB; Berland LL; Stanley RJ, Radiology 1989; 170: 795

left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls, Gay SB; Armistead JP; Weber ME; Williamson BRJ, Radiographics 1991; 11: 549

left retrocaval ureter associated with left inferior vena cava, Pierro JA; Soleimanpour M; Bory JL, AJR 1990; 155: 545

noninvasive estimation of right atrial pressure from the inspiratory collapse of the inferior vena cava, (ab), Kircher BJ; Himelman RB; Schiller NB, Radiology 1991; 178: 898

preduodenal portal vein and anomalous continuation of inferior vena cava: CT findings, Tsuda Y; Nishimura K; Kawakami S; et al, JCAT 1991; 15: 585

residents' corner: answer to case of the month #6, Tennenhouse J; Gray R, J Canad Assoc Radiol 1991; 42: 145

right-to-left shunting via persistent left superior vena cava identified by perfusion lung scintigraphy, Rosenbaum RC; Reiner BI; Bidwell JK; et al, J Nucl Med 1989; 30: 412

slit infrahepatic IVC: pathologic entity or normal variant?, Rak KM; Hopper KD; Tyler HN, JCU 1991; 19: 399

sonographic diagnosis of transposition of the inferior vena cava, Gollub MJ; Friedwald JP; Sceusa D, JCU 1990; 18: 502

superior vena cava: conventional projections, Felson B, Semin Roentgenol 1989; 24: 91

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; 177: 537

Venae cavae, angiography

angioscopy of the inferior vena cava: preliminary observations in cases with involvement by neoplasm: work in progress, Fujimoto K; Nakamura K; Takashima S; Murata K; Takada K; Minakuchi K; Onoyama Y, JVIR 1991; 2: 371

Venae cavae, CT

congenital anomalies of the superior vena cava: a CT study, Cormier MG; Yedlicka JW; Gray RJ; et al, Semin Roentgenol 1989; 24: 77

CT analysis of a safe approach for translumbar access to the aorta and inferior vena cava, Cazenave FL; Glass-Royal MC; Teitelbaum GP; et al, AJR 1991; 156: 395

CT findings in superior vena cava obstruction, Yedlicka JW; Schultz K; Moncada R; et al, Semin Roentgenol 1989; 24: 84

inhomogeneous enhancement of liver parenchyma secondary to passive congestion: contrast-enhanced CT, Holley HC; Koslin DB; Berland LL; Stanley RJ, Radiology 1989; 170: 795

prospective comparison of computed tomography and duplex sonography in the evaluation of recently inserted Kimray-Greenfield filters into the inferior vena cava, Guglielmo FF; Kurtz AB; Wechsler RJ, Clin Imag 1990; 14: 216

thoracic collateral venous channels: normal and pathologic CT findings, Trigaux J-PP; Van Beers BE, JCAT 1990; 14: 769

Venae cavae, filters

Amplatz vena caval filter: clinical experience in 30 patients, McCowan TC; Ferris EJ; Carver DK; et al, AJR 1990; 155: 177

are routine inferior vena cavograms necessary before Greenfield filter placement?, (ab), Martin KD; Kempczinski RF; Fowl RJ, Radiology 1990; 175: 885

autopsy assessment of the Gunther vena caval filter, Mahendron M; Guilt DJ; Finch OPF; et al, Br J Radiol 1989; 62: 174

cardiovascular/interventional radiology: RSNA '88 meeting notes, Hunter DW; Cragg AH; Darcy MD; Ferris E; Thorpe P; Vogelzang RL; van Breda A; Herrera M; Castaneda F, Radiology 1989; 170: 910

cardiovascular/interventional radiology: RSNA '89 meeting notes, Hunter DW; McNamara T; Vogelzang RL; Martin L; Johnsrude I; Darcy MD; Cragg AH; Smith T; Castañeda F, Radiology 1990; 174: 907

cardiovascular/interventional radiology: RSNA '90 meeting notes, Hunter DW; Castañeda F; Cragg AH; Darcy MD; Hu X; Longley DG; Martin LG; Matalon T; Steinberg F; Stillman A; Thorpe P; Vogelzang RL, Radiology 1991; 178: 918

caudal migration of the Günther vena caval filter, Schneider P-A; Parmeggiani L; Piguet J-C; Bounameaux H, Radiology 1989; 173: 465

cerebrovascular accident after Greenfield filter placement for paradoxical embolism, (ab), Dalman R; Kohler TR, JVIR 1991; 2: 290

cerebrovascular accident after Greenfield filter placement for paradoxical embolism, (ab), Dalman R; Kohler TR, Radiology 1989; 173: 292

clover leaf inferior vena cava filter: in vitro evaluation of filter deployment and comparison of emboli-capturing ability, Palestrant AM; Faykus MH Jr, JVIR 1991; 2: 117

complications of caval interruption by Greenfield filter in quadriplegics, (ab), Balshi JD; Cantelmo NL; Menzoian JO, Radiology 1989; 173: 884

errant percutaneous Greenfield filter placement into the retroperitoneum, (ab), Adye BA; Raabe RD; Zobell RL, JVIR 1990; 1: 136

evaluation of the inferior vena cava with intravascular US after Greenfield filter placement, Marx MV; Tauscher JR; Williams DM; Greenfield LJ, JVIR 1991; 2: 261

evolution of hook design for fixation of the titanium Greenfield filter, (ab), Greenfield LJ; Cho KJ; Tauscher JR, Radiology 1991; 179: 296

experience with the Amplatz retrievable vena cava filter, Epstein DH; Darcy MD; Hunter DW; Coleman CC; Tadavarthy SM; Murray PD; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; 172: 105

femoral vein thrombosis following percutaneous placement of the Greenfield filter, Tobin KD; Pais SO; Austin CB, Invest Radiol 1989; 24: 442

follow-up after partial interruption of the vena cava with the Günther filter, Schneider P-A; Geissbühler P; Piguet J-C; et al, Cardiovasc Intervent Radiol 1990; 13: 378

iatrogenic changes at the venotomy site after percutaneous placement of the Greenfield filter, Dorfman GS; Cronan JJ; Paolella LP; Lambiase RE; Haas RA; Scola FH; Schepps B, Radiology 1989; 173: 159

iced saline perfusion of Simon Nitinol Filters: improved control during transfemoral delivery: technical note, Rose SC; Miller FJ, Cardiovasc Intervent Radiol 1990; 13: 111

inferior vena cava filters and when to use them, Wells I, Clin Radiol 1989; 40: 11

inferior vena cava filter: search for an ideal device, Yune HY, Radiology 1989; 172: 15

inferior vena caval filters: analysis of five currently available devices, Grassi CJ, AJR 1991; 156: 813

inferior vena caval filter thrombi: evaluation with intravascular US, McCowan TC; Ferris EJ; Carver DK, Radiology 1990; 177: 783

insertion of the Simon nitinol caval filter: value of the antecubital vein approach, Kim D; Schlam BW; Porter DH; et al, AJR 1991; 157: 521

interventions in pulmonary embolism, McCowan TC; Eidt JF; Ferris EJ, J Thorac Imag 1989; 4-4: 67

late Greenfield filter vena cava perforation causing a small bowel obstruction: case report, Dagirmanjian A; Beckman I, Cardiovasc Intervent Radiol 1990; 13: 44

LGM vena cava filter: objective evaluation of early results, Murphy TP; Dorfman GS; Yedlicka JW; McCowan TC; Vogelzang RL; Hunter DW; Carver DK; Pinsk R; Castaneda-Zuniga W; Ferris EJ; Amplatz K, JVIR 1991; 2: 107

magnetic resonance characteristics of the LGM vena cava filter: technical note, Kiproff PM; Deeb ZL; Contractor FM; et al, Cardiovasc Intervent Radiol 1991; 14: 254

monorail system for percutaneous repositioning of the Greenfield vena caval filter, Guthaner DF; Wyatt JO; Mehigan JT; Wright AM; Breen JF; Wexler L, Radiology 1990; **176:** 872

monorail system for percutaneous repositioning of the Greenfield vena cava filter, Myers TV; Tsai FY; Myers ME, Radiology 1991; **179:** 880

monorail system for percutaneous repositioning of the Greenfield vena cava filter: reply, Guthaner DF, Radiology 1991; **179:** 881

MR imaging of the bird's nest filter, Watanabe AT; Teitelbaum GP; Gomes AS; Roehm JOF Jr, Radiology 1990; **177:** 578

new technique to avoid suprarenal placement of Kimray-Greenfield filters: technical note, Günther RW; Bohndorf K; Schuster CJ; et al, Cardiovasc Intervent Radiol 1989; **12:** 166

new tools of the trade, Reamer LA, Radiology 1990; **174:** 923

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; **174:** 1013

percutaneous inferior vena caval filters, Dorfman GS, Radiology 1990; **174:** 987

percutaneous insertion of the Greenfield filter, Pais SO; Tobin KD, AJR 1989; **152:** 933

perforation of the inferior vena cava by a suprarenal Greenfield filter, Teitelbaum GP, Radiology 1990; **174:** 577

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1989; **172:** 721

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Greenfield LJ, Radiology 1990; **175:** 287

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter: reply, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1990; **175:** 287

phlegmasia cerulea dolens, a complication after placement of a bird's nest vena cava filter, Aruny JE; Kandarpa K, AJR 1990; **154:** 1105

preliminary clinical experience with titanium Greenfield vena caval filters, (ab), Greenfield LJ; Cho KJ; Pais O; et al, Radiology 1989; **173:** 884

prevalence of local venous thrombosis after transfemoral placement of a bird's nest vena caval filter, Hicks ME; Middleton WD; Picus D; Darcy MD; Kleinhoffer MA, JVIR 1990; **1:** 63

prospective comparison of computed tomography and duplex sonography in the evaluation of recently inserted Kimray-Greenfield filters into the inferior vena cava, Guglielmo FF; Kurtz AB; Wechsler RJ, Clin Imag 1990; **14:** 216

reevaluation of indications for percutaneous placement of the Greenfield filter, Tobin KD; Pais SO; Austin CB, Invest Radiol 1989; **24:** 115

repositioning of partially dislodged Greenfield filters from the right atrium by use of a tip deflection wire, (ab), Patterson RB; Fowl RJ; Lubbers DJ; et al, JVIR 1990; **1:** 135

Simon nitinol inferior vena cava filter: initial clinical experience. work in progress, Simon M; Athanasoulis CA; Kim D; Steinberg FL; Porter DH; Byse BH; Kleshinski S; Geller S; Orron DE; Waltman AC, Radiology 1989; **172:** 99

Simon nitinol vena cava filter: preliminary observations and suggested procedural modifications, Kastan DJ; Forcier NJ; Kahn ML, JVIR 1991; **2:** 123

simple device to facilitate percutaneous insertion of the Kimray-Greenfield filter, Zagoria RJ; Scott MD; D'Souza VJ; et al, AJR 1990; **154:** 621

splaying of titanium Greenfield inferior vena caval filter, Ramchandani P; Koolpe HA; Zeit RM, AJR 1990; **155:** 1103

spontaneous disruption of two Greenfield vena caval filters, Lang W; Schweiger H; Fietkau R; Hofmann-Preiss K, Radiology 1990; **174:** 445

spontaneous fracure of a Vena-Tech inferior vena caval filter, Awh MH; Taylor FC; Lu C-T, AJR 1991; **157:** 177

thrombosis at venous insertion sites after inferior vena caval filter placement, Mewissen MW; Erickson SJ; Foley WD; Lipchik EO; Olson DL; McCann KM; Schreiber ER, Radiology 1989; **173:** 155

thrombus-trapping efficiency of the Greenfield filter in vivo, Thompson BH; Cragg AH; Smith TP; Bareniewski H; Barnhart WH; De Jong SC, Radiology 1989; **172:** 979

use of external jugular vein as a route for percutaneous inferior vena caval filter placement, McCowan TC; Ferris EJ; Carver DK; Harshfield DL, Radiology 1990; **176:** 527

vena caval filter splaying: potential complication of use of the titanium Greenfield filter, Teitelbaum GP; Jones DL; van Breda A; Matsumoto AH; Fellmeth BD; Chespak LW; Barth KH, Radiology 1989; **173:** 809

Venae cavae, grafts and prostheses

cause of superior vena cava syndrome: diagnosis with percutaneous atherectomy, Dake MD; Zemel G; Dolmatch BL; Katzen BT, Radiology 1990; **174:** 957

hepatic inferior vena cava obstruction: treatment of two types with Gianturco expandable metallic stents, Furui S; Sawada S; Irie T; Makita K; Yamauchi T; Kusano S; Ibukuro K; Nakamura H; Takenaka E, Radiology 1990; **176:** 665

percutaneous transcatheter stent placement, Wright KC, Radiology 1990; **176:** 620

relocatable Gianturco expandable metallic stents, Irie T; Furui S; Yamauchi T; Makita K; Sawada S; Takenaka E, Radiology 1991; **178:** 575

vena caval and central venous stenoses: management with Palmaz balloon-expandable intraluminal stents, Elson JD; Becker GJ; Wholey MH; Ehrman KO, JVIR 1991; **2:** 215

Venae cavae, interventional procedure

caudal migration of the Günther vena caval filter, Schneider P-A; Parmeggiani L; Piguet J-C; Bounameaux H, Radiology 1989; **173:** 465

clot-trapper device for transjugular thrombectomy from the inferior vena cava, Ponomar E; Carlson JE; Kindlund A; Rodriguez JP; Castaneda-Zuniga WR; Hunter DW; Yedlicka JW Jr; Amplatz K, Radiology 1991; **179:** 279

experience with the Amplatz retrievable vena cava filter, Epstein DH; Darcy MD; Hunter DW; Coleman CC; Tadavarthy SM; Murray PD; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; **172:** 105

hepatic inferior vena cava obstruction: treatment of two types with Gianturco expandable metallic stents, Furui S; Sawada S; Irie T; Makita K; Yamauchi T; Kusano S; Ibukuro K; Nakamura H; Takenaka E, Radiology 1990; **176:** 665

iatrogenic changes at the venotomy site after percutaneous placement of the Greenfield filter, Dorfman GS; Cronan JJ; Paolella LP; Lambiase RE; Haas RA; Scola FH; Schepps B, Radiology 1989; **173:** 159

inferior vena cava clip: the percutaneous approach, (ab), Bildsoe MC; Yedlicka JW; Hunter DW; et al, JVIR 1990; **1:** 135

inferior vena cava clip: the percutaneous approach, Bildsoe MC; Yedlicka JW; Hunter DW; et al, Invest Radiol 1990; **25:** 871

inferior vena cava filter: search for an ideal device, Yune HY, Radiology 1989; **172:** 15

insertion of the Simon nitinol caval filter: value of the antecubital vein approach, Kim D; Schlam BW; Porter DH; et al, AJR 1991; **157:** 521

long-term central venous access with a peripherally placed subcutaneous infusion port: initial results, Andrews JC; Walker-Andrews SC; Ensminger WD, Radiology 1990; **176:** 45

monorail system for percutaneous repositioning of the Greenfield vena caval filter, Guthaner DF; Wyatt JO; Mehigan JT; Wright AM; Breen JF; Wexler L, Radiology 1990; **176:** 872

monorail system for percutaneous repositioning of the Greenfield vena cava filter, Myers TV; Tsai FY; Myers ME, Radiology 1991; **179:** 880

monorail system for percutaneous repositioning of the Greenfield vena cava filter: reply, Guthaner DF, Radiology 1991; **179:** 881

percutaneous inferior vena caval filters, Dorfman GS, Radiology 1990; **174:** 987

percutaneous inferior vena cava placement of tunneled silastic catheters for prolonged vascular access in infants, (ab), Robertson LJ; Jaques PF; Mauro MA; et al, JVIR 1991; **2:** 301

percutaneous transcatheter stent placement, Wright KC, Radiology 1990; **176:** 620

percutaneous translumbar inferior vena cava central line placement in a critically ill child, Robards JB; Jaques PF; Mauro MA; et al, Pediatr Radiol 1989; **19:** 140

percutaneous treatment of superior vena cava syndrome, Capek P; Cope C, AJR 1989; **152:** 183

perforation of the inferior vena cava by a suprarenal Greenfield filter, Teitelbaum GP, Radiology 1990; **174:** 577

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1989; **172:** 721

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Greenfield LJ, Radiology 1990; **175:** 287

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter: reply, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1990; **175:** 287

relocatable Gianturco expandable metallic stents, Irie T; Furui S; Yamauchi T; Makita K; Sawada S; Takenaka E, Radiology 1991; **178:** 575

second opinion: transhepatic cannulation of the inferior vena cava, Lund GB, JVIR 1991; **2:** 334

Simon nitinol inferior vena cava filter: initial clinical experience. work in progress, Simon M; Athanasoulis CA; Kim D; Steinberg FL; Porter DH; Byse BH; Kleshinski S; Geller S; Orron DE; Waltman AC, Radiology 1989; **172:** 99

spontaneous disruption of two Greenfield vena caval filters, Lang W; Schweiger H; Fietkau R; Hofmann-Preiss K, Radiology 1990; **174:** 445

thrombosis at venous insertion sites after inferior vena caval filter placement, Mewissen MW; Erickson SJ; Foley WD; Lipchik EO; Olson DL; McCann KM; Schreiber ER, Radiology 1989; **173:** 155

transhepatic cannulation of the inferior vena cava, Kaufman JA; Greenfield AJ; Fitzpatrick GF, JVIR 1991; **2:** 331

translumbar inferior vena cava catheters for long-term venous access, Lund GB; Lieberman RP; Haire WD; Martin VA; Kessinger A; Armitage JO, Radiology 1990; **174:** 31

use of external jugular vein as a route for percutaneous inferior vena caval filter placement, McCowan TC; Ferris EJ; Carver DK; Harshfield DL, Radiology 1990; **176:** 527

Venae cavae, MR

adrenal hemorrhage and renal vein thrombosis in the newborn: MR imaging, Brill PW; Jagannath A; Winchester P; Markisz JA; Zirinsky K, Radiology 1989; **170:** 95

inferior vena cava tumor thrombus: demonstration by Gd-DTPA enhanced MR, Gehl H-B; Bohndorf K; Klose K-C, JCAT 1990; **14:** 479

magnetic resonance characteristics of the LGM vena cava filter: technical note, Kiproff PM; Deeb ZL; Contractor FM; et al, Cardiovasc Intervent Radiol 1991; **14:** 254

MR imaging of the bird's nest filter, Watanabe AT; Teitelbaum GP; Gomes AS; Roehm JOF Jr, Radiology 1990; 177: 578

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; 174: 1013

quantitative assessment of average velocity in inferior vena cava by phase-display MR imaging: pulsed Doppler correlation, Didier D; Schouman-Claeys E; Breton E; et al, JCAT 1989; 13: 94

rapid MR imaging of blood flow with a phase-sensitive, limited-flip-angle, gradient recalled pulse sequence: preliminary experience, Spritzer CE; Pelc NJ; Lee JN; Evans AJ; Sostman HD; Riederer SJ, Radiology 1990; 176: 255

vena caval flow: assessment with cine MR velocity mapping, Mohiaddin RH; Wann SL; Underwood R; Firmin DN; Rees S; Longmore DB, Radiology 1990; 177: 537

Venae cavae, neoplasms

angioscopy of the inferior vena cava: preliminary observations in cases with involvement by neoplasm: work in progress, Fujimoto K; Nakamura K; Takashima S; Murata K; Takada K; Minakuchi K; Onoyama Y, JVIR 1991; 2: 371

detection of renal carcinoma extension into the renal vein and inferior vena cava: a prospective comparison of venacavography and magnetic resonance imaging, (ab), Horan JJ; Robertson CN; Choyke PL; et al, Radiology 1990; 175: 589

intracaval and intracardiac extension of malignant thymoma: CT diagnosis, Korobkin M; Casano VA, JCAT 1989; 13: 348

vena caval involvement with renal tumors: surgical considerations, (ab), Tribble CG; Gerkin TM; Flanagan TL; et al, Radiology 1989; 170: 587

Venae cavae, obstruction

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Venae cavae, perforation

late Greenfield filter vena cava perforation causing a small bowel obstruction: case report, Dagirmanjian A; Beckman I, Cardiovasc Intervent Radiol 1990; 13: 44

perforation of the inferior vena cava by a suprarenal Greenfield filter, Teitelbaum GP, Radiology 1990; 174: 577

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1989; 172: 721

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Greenfield LJ, Radiology 1990; 175: 287

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter: reply, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1990; 175: 287

Venae cavae, radionuclide studies

bone scan in inferior vena cava obstruction, Rodman DJ; Atkinson LK; Maxwell DD; et al, Clin Nucl Med 1990; 15: 740

collateral pathways observed by radionuclide superior cavography in 70 patients with superior vena caval obstruction, Muramatsu T; Miyamae T; Dohi Y, Clin Nucl Med 1991; 16: 332

gallium SPECT detection of neoplastic intravascular obstruction of the superior vena cava, Swayne LC; Kaplan IL, Clin Nucl Med 1989; 14: 823

right-to-left shunting via persistent left superior vena cava identified by perfusion lung scintigraphy, Rosenbaum RC; Reiner BI; Bidwell JK; et al, J Nucl Med 1989; 30: 412

scintigraphy compared to other imaging modalities in benign superior vena caval obstruction accompanying fibrosing mediastinitis, Savolaine ER; Schlembach PJ, Clin Imag 1989; 13: 234

Venae cavae, stenosis or obstruction

bone scan in inferior vena cava obstruction, Rodman DJ; Atkinson LK; Maxwell DD; et al, Clin Nucl Med 1990; 15: 740

Budd-Chiari syndrome, Stanley P, Radiology 1989; 170: 625

Budd-Chiari syndrome, Halkar RK, Radiology 1989; 172: 580

Budd-Chiari syndrome, Hautekeete ML; Brenard R; Hadengue A; Benhamou J-P, Radiology 1989; 173: 578

Budd-Chiari syndrome: reply, Stanley P, Radiology 1989; 173: 578

Budd-Chiari syndrome: treatment with percutaneous transhepatic recanalization and dilation, Lois JF; Hartzman S; McGlade CT; Gomes AS; Grant EC; Berquist W; Perrella RR; Busuttil RW, Radiology 1989; 170: 791

case report: diagnosis of cavo-portal shunt in inferior vena cava obstruction: comparison between venography and dynamic scintigraphy, Nishida T; Okuda A, Clin Radiol 1991; 43: 274

case report: unilateral hydronephrosis following obstruction of the inferior vena cava by tumour thrombus, Ashleigh RJ; Sambrook P, Clin Radiol 1991; 44: 130

cause of superior vena cava syndrome: diagnosis with percutaneous atherectomy, Dake MD; Zemel G; Dolmatch BL; Katzen BT, Radiology 1990; 174: 957

collateral pathways observed by radionuclide superior cavography in 70 patients with superior vena caval obstruction, Muramatsu T; Miyamae T; Dohi Y, Clin Nucl Med 1991; 16: 332

CT findings in superior vena cava obstruction, Yedlicka JW; Schultz K; Moncada R; et al, Semin Roentgenol 1989; 24: 84

diffuse uptake of osteotropic radionuclide in the breast secondary to superior vena caval obstruction, Swayne LC; Bajakian RL, Clin Nucl Med 1990; 15: 110

discrepant sulfur colloid and radioparticle liver uptake in superior vena cava obstruction: case report, Suneja SK; Teal JS, J Nucl Med 1989; 30: 113

experience with the Amplatz retrievable vena cava filter, Epstein DH; Darcy MD; Hunter DW; Coleman CC; Tadavarthy SM; Murray PD; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; 172: 105

gallium SPECT detection of neoplastic intravascular obstruction of the superior vena cava, Swayne LC; Kaplan IL, Clin Nucl Med 1989; 14: 823

hepatic inferior vena cava obstruction: treatment of two types with Gianturco expandable metallic stents, Furui S; Sawada S; Irie T; Makita K; Yamauchi T; Kusano S; Ibukuro K; Nakamura H; Takenaka E, Radiology 1990; 176: 665

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; 170: 733

inferior vena cava filter: search for an ideal device, Yune HY, Radiology 1989; 172: 15

intermittent inferior vena caval obstruction: an unusual cause demonstrated by ultrasound, Walter DF; Kamaiya LI, Br J Radiol 1991; 64: 173

obstruction to hepatic venous drainage after liver transplantation: treatment with balloon angioplasty, Zajko AB; Claus D; Clapuyt P; Esquivel CO; Moulin D; Starzl TE; de Ville de Goyet J; Otte JB, Radiology 1989; 170: 763

percutaneous placement of a hepatic vein stent in the treatment of Budd-Chiari syndrome, Walker HS; Rholl KS; Register TE; van Breda A, JVIR 1990; 1: 23

percutaneous transcatheter stent placement, Wright KC, Radiology 1990; 176: 620

percutaneous transluminal angioplasty in segmental obstruction of the hepatic inferior vena cava: long-term results, Sato M; Yamada R; Tsuji K; et al, Cardiovasc Intervent Radiol 1990; 13: 189

percutaneous treatment of superior vena cava syndrome, Capek P; Cope C, AJR 1989; 152: 183

portal venous collateral drainage in IVC obstruction, Hayward SJ, Clin Radiol 1990; 41: 206

pseudoportal Doppler signal in the partially obstructed inferior vena cava, Keller MS; Taylor KJW; Riely CA, Radiology 1989; 170: 475

scintigraphy compared to other imaging modalities in benign superior vena caval obstruction accompanying fibrosing mediastinitis, Savolaine ER; Schlembach PJ, Clin Imag 1989; 13: 234

shunt between right subclavian vein and left heart in superior vena cava obstruction due to lung cancer, Taki J; Bunko H; Tonami N; et al, Clin Nucl Med 1990; 15: 251

Simon nitinol inferior vena cava filter: initial clinical experience. work in progress, Simon M; Athanasoulis CA; Kim D; Steinberg FL; Porter DH; Byse BH; Kleshinski S; Geller S; Orron DE; Waltman AC, Radiology 1989; 172: 99

superior vena caval obstruction due to atrial metastasis, Greyson ND; Howard RJ, Clin Nucl Med 1990; 14: 698

superior vena cava syndrome: the myth–the facts, (ab), Yellin A; Rosen A; Reichert N; et al, Radiology 1990; 177: 893

systemic to pulmonary venous shunting in superior vena cava obstruction: unusual myocardial and thyroid visualization, Gale B; Chen C; Chun KJ; et al, Clin Nucl Med 1990; 15: 246

thoracic collateral venous channels: normal and pathologic CT findings, Trigaux J-PP; Van Beers BE, JCAT 1990; 14: 769

thrombectomy with the transluminal endarterectomy catheter (TEC) system: experimental study and case report, Yedlicka JW Jr; Carlson JE; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; 2: 343

vena caval and central venous stenoses: management with Palmaz balloon-expandable intraluminal stents, Elson JD; Becker GJ; Wholey MH; Ehrman KO, JVIR 1991; 2: 215

Venae cavae, thrombosis

abdominal neuroblastoma with inferior vena caval tumor thrombus: report of three cases (one with right atrial extension), Day DL; Johnson R; Cohen MD, Pediatr Radiol 1991; 21: 205

acute thrombosis of the inferior vena cava and hepatic veins in patients with Budd-Chiari syndrome: CT demonstration, Mori H; Maeda H; Fukuda T; et al, AJR 1989; 153: 987

angioscopy of the inferior vena cava: preliminary observations in cases with involvement by neoplasm: work in progress, Fujimoto K; Nakamura K; Takashima S; Murata K; Takada K; Minakuchi K; Onoyama Y, JVIR 1991; 2: 371

bilateral adrenal hemorrhage associated with bilateral renal vein and vena cava thrombosis, Demirci A; Selcuk MB; Yazicioglu I, Pediatr Radiol 1991; 21: 130

Budd-Chiari syndrome, Stanley P, Radiology 1989; 170: 625

Budd-Chiari syndrome, Halkar RK, Radiology 1989; 172: 580

Budd-Chiari syndrome, Hautekeete ML; Brenard R; Hadengue A; Benhamou J-P, Radiology 1989; 173: 578

Budd-Chiari syndrome: reply, Stanley P, Radiology 1989; 173: 578

clot-trapper device for transjugular thrombectomy from the inferior vena cava, Ponomar E; Carlson JE; Kindlund A; Rodriguez JP; Castaneda-Zuniga WR; Hunter DW; Yedlicka JW Jr; Amplatz K, Radiology 1991; 179: 279

clover leaf inferior vena cava filter: in vitro evaluation of filter deployment and comparison of emboli-capturing ability, Palestrant AM; Faykus MH Jr, JVIR 1991; 2: 117

CT diagnosis of catheter-induced septic thrombus of vena cava, Mori H; Fukuda T; Isomoto I; et al, JCAT 1990; 14: 236

duplex Doppler ultrasound evaluation of calcified inferior vena cava thrombosis, Uglietta JP; Woodruff WW; Effmann EL; et al, Pediatr Radiol 1989; 19: 250

evaluation of the inferior vena cava with intravascular US after Greenfield filter placement, Marx MV; Tauscher JR; Williams DM; Greenfield LJ, JVIR 1991; 2: 261

experience with the Amplatz retrievable vena cava filter, Epstein DH; Darcy MD; Hunter DW; Coleman CC; Tadavarthy SM; Murray PD; Castaneda-Zuniga WR; Amplatz K, Radiology 1989; 172: 105

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; 170: 733

inferior vena caval filter thrombi: evaluation with intravascular US, McCowan TC; Ferris EJ; Carver DK, Radiology 1990; 177: 783

LGM vena cava filter: objective evaluation of early results, Murphy TP; Dorfman GS; Yedlicka JW; McCowan TC; Vogelzang RL; Hunter DW; Carver DK; Pinsk R; Castaneda-Zuniga W; Ferris EJ; Amplatz K, JVIR 1991; 2: 107

optimization of gradient-echo imaging parameters for intracaval filters and trapped thromboemboli, Teitelbaum GP; Ortega HV; Vinitski S; Clark RA; Watanabe AT; Matsumoto AH; Rifkin MD; Barth KH, Radiology 1990; 174: 1013

percutaneous inferior vena caval filters, Dorfman GS, Radiology 1990; 174: 987

perforation of the inferior vena cava by a suprarenal Greenfield filter, Teitelbaum GP, Radiology 1990; 174: 577

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1989; 172: 721

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter, Greenfield LJ, Radiology 1990; 175: 287

perforation of the inferior vena cava with aortic and vertebral penetration by a suprarenal Greenfield filter: reply, Kim D; Porter DH; Siegel JB; Simon M, Radiology 1990; 175: 287

safety and efficacy of thrombolytic therapy for superior vena cava syndrome, (ab), Gray BH; Olin JW; Graor RA; et al, JVIR 1991; 2: 293

thrombectomy with the transluminal endarterectomy catheter (TEC) system: experimental study and case report, Yedlicka JW Jr; Carlson JE; Hunter DW; Castaneda-Zuniga WR; Amplatz K, JVIR 1991; 2: 343

thrombus-trapping efficiency of the Greenfield filter in vivo, Thompson BH; Cragg AH; Smith TP; Bareniewski H; Barnhart WH; De Jong SC, Radiology 1989; 172: 979

Venae cavae, transluminal angioplasty

percutaneous transluminal angioplasty in segmental obstruction of the hepatic inferior vena cava: long-term results, Sato M; Yamada R; Tsuji K; et al, Cardiovasc Intervent Radiol 1990; 13: 189

pulmonary thromboembolism following angioplasty for membranous occlusion of the vena cava: case report, Nagata Y; Kumada K; Yamada R; et al, Cardiovasc Intervent Radiol 1989; 12: 304

Venae cavae, US

duplex Doppler ultrasound evaluation of calcified inferior vena cava thrombosis, Uglietta JP; Woodruff WW; Effmann EL; et al, Pediatr Radiol 1989; 19: 250

evaluation of the inferior vena cava with intravascular US after Greenfield filter placement, Marx MV; Tauscher JR; Williams DM; Greenfield LJ, JVIR 1991; 2: 261

hepatic venous outflow obstruction: evaluation with pulsed duplex sonography, Hosoki T; Kuroda C; Tokunaga K; Marukawa T; Masuike M; Kozuka T, Radiology 1989; 170: 733

inferior vena caval filter thrombi: evaluation with intravascular US, McCowan TC; Ferris EJ; Carver DK, Radiology 1990; 177: 783

intermittent inferior vena caval obstruction: an unusual cause demonstrated by ultrasound, Walter DF; Ramaiya LI, Br J Radiol 1991; 64: 173

medial indentation of the inferior vena cava: a sonographic sign of fluid in the superior recess of the lesser sac, Shapiro RS; Silvers AR; Halton KP; et al, J Ultrasound Med 1991; 10: 227

prospective comparison of computed tomography and duplex sonography in the evaluation of recently inserted Kimray-Greenfield filters into the inferior vena cava, Guglielmo FF; Kurtz AB; Wechsler RJ, Clin Imag 1990; 14: 216

pseudoportal Doppler signal in the partially obstructed inferior vena cava, Keller MS; Taylor KJW; Riely CA, Radiology 1989; 170: 475

quantitative assessment of average velocity in inferior vena cava by phase-display MR imaging: pulsed Doppler correlation, Didier D; Schouman-Claeys E; Breton E; et al, JCAT 1989; 13: 94

slit infrahepatic IVC: pathologic entity or normal variant?, Rak KM; Hopper KD; Tyler HN, JCU 1991; 19: 399

sonographic diagnosis of transposition of the inferior vena cava, Gollub MJ; Friedwald JP; Sceusa D, JCU 1990; 18: 502

Venography

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chronic venous insufficiency: assessment with descending venography, Morano JU; Raju S, Radiology 1990; 174: 441

contemporary venous imaging, Cronan JJ, Cardiovasc Intervent Radiol 1991; 14: 87

deep venous thrombosis: experience with gradient-echo MR imaging in 66 patients, Spritzer CE; Sostman HD; Wilkes DC; Coleman RE, Radiology 1990; 177: 235

digital venography of the lower extremity, Lee KR; Templeton AW; Cox GG; et al, AJR 1989; 153: 413

distribution of recurrent varicose veins: a phlebographic study, Loveday EJ; Thomas ML, Clin Radiol 1991; 43: 47

doctors' requirements for reproducibility of diagnostic information, Gjørup T; Kelbaek H; Strandberg C; et al, Invest Radiol 1990; 25: 39

hepatic venography in the surgical assessment of hepatic tumours, Odurny A; McLoughlin MJ; Colapinto RF; et al, Br J Radiol 1989; 62: 6

interobserver variability in the interpretation of contrast venography, technetium-99m red blood cell venography and impedance plethysmography for deep vein thrombosis, Illescas FF; Leclerc J; Rosenthall L; et al, J Canad Assoc Radiol 1990; 41: 264

intraarterial digital subtraction venography (i.a.-DSV) of abdominal vessels, Dawson P; Dunn G, Acta Radiol 1989; 30: 109

sciatic venous drainage demonstrated by varicography in patients with a patent deep venous system, Trigaux J-PP; Van Beers BE; Delchambre FE; et al, Cardiovasc Intervent Radiol 1989; 12: 103

value of diagnostic tests for deep venous thrombosis: a decision analysis model, Venta LA; Venta ER; Mumford LM, Radiology 1990; 174: 433

venous reflux: assessing the level of incompetence, Athanasoulis CA; Yucel EK, Radiology 1990; 174: 326

Venography, complications

pulmonary embolism during venography: report of a rare complication, Montgomery S, Cardiovasc Intervent Radiol 1989; 12: 196

Venography, contrast media

ascending lower limb phlebography: comparison of ioversol and iothalamate meglumine, Wilson AJ; Murphy WA Jr; Destouet JM; et al, J Canad Assoc Radiol 1989; 40: 142

double blind clinical study comparing the safety, tolerance and efficacy of ioversol 240 and iohexol 240 (Omnipaque 240) in ascending venography, Wilkins RA; Spinks BC, Clin Radiol 1990; 41: 268

ioversol in ascending phlebography—a clinical trial, Scott H; Palmer FJ, Australas Radiol 1990; 34: 44

lower extremity venography with iohexol: results and complications, Lensing AWA; Prandoni P; Büller HR; Casara D; Cogo A; Wouter ten Cate J, Radiology 1990; 177: 503

Venography, radionuclide

axillary and subclavian venous thrombosis: follow-up evaluation with color Doppler flow US and venography, Grassi CJ; Polak JF, Radiology 1990; 175: 651

bilateral deep venous thrombosis in protein S deficiency: detection by radionuclide venography, Wegener WA; Heyman S, Clin Nucl Med 1990; 15: 618

effect of varying tourniquet applications on the flow pattern of lower extremity radionuclide venography, Vansant JP; Habibian RM; Melton RE, Clin Nucl Med 1990; 15: 783

false-positive radionuclide venography caused by distended urinary bladder, LaRoy L; Ali A; Dong P; et al, Clin Nucl Med 1990; 15: 16

hepatic localization of Tc-99m MAA during lower extremity venography, Kolla IS; Luna E; Alazraki NP, Clin Nucl Med 1989; 14: 433

obstruction of the iliac veins due to markedly distended urinary bladder demonstrated by radionuclide venography: a case report, Sezhiyan T; Yang DC; Fabila J; et al, Clin Nucl Med 1990; 15: 787

visualization of a Baker's cyst on radionuclide venography, Atkins HL; Nelson SJ; Oster ZH, Clin Nucl Med 1989; 14: 629

Venography, technology

arterial phlebography of the leg, Björk L, Acta Radiol 1991; 32: 141

contrast venography in patients with very edematous feet: use of transdermal illumination to aid in vein puncture, Bhargava R; Millward SF, Radiology 1991; 179: 583

conventional screen/film vs reduced exposure photostimulable phosphor plate imaging in lower extremity venography: an ROC analysis, Siegel EL; Cook LT; Parsa MB, AJR 1991; 156: 1095

US-guided venipuncture for venography in the edematous leg, Johns CM; Sumkin JH, Radiology 1991; 180: 573

Ventricles

See Brain; Heart, ventricles

Ventricular septal defect

increased prevalence of ventricular septal defect: epidemic or improved diagnosis, (ab), Martin GR; Perry LW; Ferencz C, Radiology 1989; 173: 295

pulmonary arteries: MR imaging in patients with congenital obstruction of the right ventricular outflow tract, Gomes AS; Lois JF; Williams RG, Radiology 1990; 174: 51

two-dimensional and color Doppler assessment of ventricular septal defect of congenital origin, (ab), Helmcke F; de Souza A; Nanda NC; et al, Radiology 1990; 174: 293

usefulness of color Doppler flow imaging to distinguish ventricular septal defect from acute mitral regurgitation complicating acute myocardial infarction, (ab), Harrison MR; MacPhail B; Gurley JC; et al, Radiology 1990; 175: 885

Vertebrae

See Spine

Vertebral arteries

noncoronary angioplasty, Becker GJ; Katzen BT; Dake MD, Radiology 1989; 170: 921

subclavian artery angioplasty and the origin of the vertebral artery, Vitek JJ, Radiology 1989; 170: 407

Vertebral arteries, abnormalities

case report: tortuous vertebral artery—onset of symptoms during pregnancy, Glover JR; Kennedy C; Coral A, Clin Radiol 1990; 41: 66

estimation of vertebral arterial asymmetry by computed tomography, Kazui S; Kuriyama Y; Naritomi H; et al, Neuroradiol 1989; 31: 237

recurrent strokes produced by bilateral high intraforaminal entering of vertebral arteries, Leonardi M; Michelucci R; Zanotti B; et al, J Neuroradiol 1990; 17: 212

spontaneous dissection of the vertebral artery: MR findings, Chen J; Smith R; Keller A; et al, JCAT 1989; 13: 326

Vertebral arteries, angiography

protocol for the isolation of carotid and vertebral arteries in MR angiography, Cousins JP; Dumoulin CL; Souza SP; et al, AJNR 1989; 10: 921

Vertebral arteries, injuries

carotid and vertebral artery trauma: clinical and angiographic features, O'Sullivan RM; Graeb DA; Nugent RA; et al, Australas Radiol 1991; 35: 47

use of the "cross over technique" in the management of a traumatic vertebro-vertebral fistula, Freitag H-J; Grzyska U; Zeumer H, Neuroradiol 1989; 31: 174

vertebral artery dissection after rapid head turning, AJNR AJNR 1989; 10: 650

Vertebral arteries, MR

MRI in spontaneous dissection of vertebral and carotid arteries: 15 cases studied at 0.5 tesla, Gelbert F; Assouline E; Hodes JE; et al, Neuroradiol 1991; 33: 111

protocol for the isolation of carotid and vertebral arteries in MR angiography, Cousins JP; Dumoulin CL; Souza SP; et al, AJNR 1989; 10: 921

Vertebral arteries, occlusion
See Vertebral arteries, stenosis or obstruction

Vertebral arteries, stenosis or obstruction
color Doppler evaluation of arterial stenoses and occlusions involving the neck and thoracic inlet, Erickson SJ; Mewissen MW; Foley WD; Lawson TL; Middleton WD; Lipchik EO; Quiroz FA; Macrander SJ, Radiographics 1989; 9: 389
MR imaging of intracranial vertebral artery occlusion, Uchino A; Ohnari N; Ohno M, Neuroradiol 1989; 31: 403
rotational vertebrobasilar insufficiency secondary to vertebral artery occlusion from fibrous band of the longus coli muscle, Dadsetan MR; Skerhut HEI, Neuroradiol 1990; 32: 514

Vertebral arteries, US
color-coded Doppler sonography of vertebral arteries, Trattnig S; Schwaighofer B; Hübsch P; et al, J Ultrasound Med 1991; 10: 221
Doppler diagnosis of partial vertebral/subclavian steals convertible to full steals with physiologic maneuvers, Kotval PS; Babu SC; Shah PM, J Ultrasound Med 1990; 9: 207
special Doppler ultrasound transducers for recording vertebral artery blood flow in rabbits, Stürm RP; Estlinbaum W; Casty M, Ultrasound Med Biol 1989; 15: 499
usefulness of duplex ultrasound in evaluating vertebral arteries, Bluth EI; Merritt CRB; Sullivan MA; et al, J Ultrasound Med 1989; 8: 229

Videodensitometry
image processing for the rest of us: the potential utility of inexpensive computerized image analysis in clinical pathology and radiology, McEachron DL; Hess S; Knecht LB; et al, Comput Med Imag Graph 1989; 13: 3
radiographic videodensitometry for quantitative monitoring of experimental bone healing, Kälebo P; Strid K-G, Br J Radiol 1989; 62: 883

Video systems
clinical usefulness of teleradiology of neonates: expanded services without expanded staff, Slovis TL; Guzzardo-Dobson PR, Pediatr Radiol 1991; 21: 333
comparison of digital and conventional musculoskeletal radiography: an observer performance study, Wegryn SA; Piraino DW; Richmond BJ; Schluchter MD; Uetani M; Freed HA; Meziane MA; Belhobek GA, Radiology 1990; 175: 225
comparison of digital and conventional musculoskeletal radiography: observer performance study, Bramble JM; Murphey MD, Radiology 1990; 177: 587
comparison of digital and conventional musculoskeletal radiography: observer performance study: reply, Wegryn SA; Piraino DW, Radiology 1990; 177: 588
detection of breast abnormalities on teleradiology transmitted mammograms, Fajardo LL; Yoshino MT; Seeley GW; et al, Invest Radiol 1990; 25: 1111
digital teleradiology: Seaforth—London network, Carey LS; O'Connor BD; Bach DB; et al, J Canad Assoc Radiol 1989; 40: 71
feasibility of digital teleradiology for imaging evaluation of patients with acute right upper quadrant abdominal pain, DiSantis DJ; Scatarige JC; Cramer MS; Kim MH, Radiology 1990; 177: 707
*info*RAD: informatics in radiology. the 1990 pilot videodisc project, Staab EV, Radiographics 1991; 11: 531
interpretation of bone scans using a video display: a necessary step toward a filmless nuclear medicine department, Arnstein NB; Chen DCP; Siegel ME, Clin Nucl Med 1990; 15: 418
nondisplaced fractures: spatial resolution requirements for detection with digital skeletal imaging, Murphey MD; Bramble JM; Cook LT; Martin NL; Dwyer SJ III, Radiology 1990; 174: 865
PC-AT based video device for flow cytometrically triggered cell imaging in flow, Hüller R; Pfäffgen W; Glossner E; et al, Comput Med Imag Graph 1991; 15: 85
perimeter encoding for teleradiology, Caresio JF; Bramble JM; Murphey MD, Invest Radiol 1990; 25: 811
state-of-the-art digital radiography, Lee KR; Siegel EL; Templeton AW; Dwyer SJ III; Murphey MD; Wetzel LH, Radiographics 1991; 11: 1013
state-of-the-art digital radiography: invited commentary, Ritenour ER, Radiographics 1991; 11: 1026
teleradiology: an assessment, Batnitzky S; Rosenthal SJ; Siegel EL; Wetzel LH; Murphey MD; Cox GG; McMillan JH; Templeton AW; Dwyer SJ III, Radiology 1990; 177: 11
teleradiology: costs of hardware and communications, Dwyer SJ III; Batnitzky S; Templeton AW, AJR 1991; 156: 1279
ultra-high-speed teleradiology with ISDN technology, Lear JL; Manco-Johnson M; Feyerabend AJ; Anderson G; Robinson D, Radiology 1989; 171: 862
videoradiography at submental electrical stimulation during apnea in obstructive sleep apnea syndrome: a case report, Hillarp B; Rosén I; Wickström O, Acta Radiol 1991; 32: 256
video techniques for on-line portal imaging, Shalev S; Lee T; Leszczynski K; et al, Comput Med Imag Graph 1989; 13: 217

Viruses
asymptomatic and neurologically symptomatic HIV-seropositive individuals: prospective evaluation with cranial MR imaging, Post MJD; Berger JR; Quencer RM, Radiology 1991; 178: 131
encephalitis caused by human immunodeficiency virus: CT and MR imaging manifestations with clinical and pathologic correlation, Chrysikopoulos HS; Press GA; Grafe MR; Hesselink JR; Wiley CA, Radiology 1990; 175: 185
fatal respiratory syncytial virus pneumonitis in a previously healthy child, (ab), Kurlandsky LE; French G; Webb PM; et al, Radiology 1989; 171: 295
magnetic resonance imaging of the brain in congenital cytomegalovirus infection, Boesch C; Issakainen J; Kewitz G; et al, Pediatr Radiol 1989; 19: 91
parotid swelling during human immunodeficiency virus infection, (ab), Colebunders R; Francis H; Mann JM; et al, Radiology 1989; 170: 294

Vitamins
bone remodeling in hypervitaminosis D3: radiologic–microangiographic–pathologic correlations, Jiang Y; Wang Y; Zhao J; et al, Invest Radiol 1991; 26: 213
intrathoracic extramedullary hematopoiesis secondary to B12 and folate deficiency: CT appearance, Fielding JR; Owens M; Naimark A, JCAT 1991; 15: 308
value of urine creatinine analysis in the evaluation of Schilling tests, Heironimus JD; Borchert RD; Weiland FL, Clin Nucl Med 1990; 15: 181

Vocal cords
reversal of vocal cord palsy by tamoxifen, Irwin CJR; Mantell BS, Clin Radiol 1989; 40: 199
ultrasound demonstration of vocal cord movements, Miles KA, Br J Radiol 1989; 62: 871

Vocal cords, neoplasms
prospective computer-assisted voice analysis for patients with early stage blottic cancer: a preliminary report of the functional result of laryngeal irradiation, Harrison LB; Solomon B; Miller S; et al, Int J Radiat Oncol Biol Phys 1990; 19: 123
treatment of early vocal cord carcinoma with ^{60}Co gamma rays, 8/10 MV x-rays, or 4 MV x-rays—are the results different?, Izuno I; Sone S; Oguchi M; et al, Acta Oncol 1990; 29: 637

Vocal cords, therapeutic radiology
prospective computer-assisted voice analysis for patients with early stage blottic cancer: a preliminary report of the functional result of laryngeal irradiation, Harrison LB; Solomon B; Miller S; et al, Int J Radiat Oncol Biol Phys 1990; 19: 123
treatment of early vocal cord carcinoma with ^{60}Co gamma rays, 8/10 MV x-rays, or 4 MV x-rays—are the results different?, Izuno I; Sone S; Oguchi M; et al, Acta Oncol 1990; 29: 637

Volvulus
See Intestines, volvulus; Stomach, volvulus

von Hippel-Lindau disease
Von Hippel-Lindau disease: inadequacy of angiography for identification of renal cancers, Miller DL; Choyke PL; Walther MM; Doppman JL; Kragel PJ; Weiss GH; Linehan WM, Radiology 1991; 179: 833

Vulva, neoplasms
postirradiation changes in the pelvis: assessment with MR imaging, Sugimura K; Carrington BM; Quivey JM; Hricak H, Radiology 1990; 175: 805
prognostic factors in invasive squamous cell carcinoma of the vulva treated with surgery and irradiation, Malmström H; Janson H; Simonsen E; et al, Acta Oncol 1990; 29: 915
radical radiotherapy for carcinoma of the vulva, Slevin NJ; Pointon RCS, Br J Radiol 1989; 62: 145

W

Walker-Dandy syndrome
See Brain, abnormalities

Warfarin
See Anticoagulants

Wegener granulomatosis
diagnosis of Wegener's granulomatosis from transbronchial biopsy specimens, (ab), Lombard CM; Duncan SR; Rizk NW; et al, Radiology 1991; 178: 588
paediatric Wegener's granulomatosis: two case histories and a review of the literature, Singer J; Suchet I; Horwitz T, Clin Radiol 1990; 42: 50
surgical pathology of the lung in Wegener's granulomatosis: review of 87 open lung biopsies from 67 patients, (ab), Travis WD; Hoffman GS; Leavitt RY; et al, Radiology 1991; 180: 884
thoracic manifestations of Wegener granulomatosis: diagnosis and course, Aberle DR; Gamsu G; Lynch D, Radiology 1990; 174: 703
Wegener granulomatosis of the colon: CT and histologic correlation, Tupler RH; McCuskey WH, JCAT 1991; 15: 314
Wegener granulomatosis presenting on CT with atypical bronchovasocentric distribution, Foo S-S; Weisbrod GL; Herman SJ; et al, JCAT 1990; 14: 1004

Werner syndrome
osteosclerosis of the phalanges in Werner syndrome, Goto M; Kindynis P; Resnick D; Sartoris DJ, Radiology 1989; 172: 841

Whipple disease
case report: distinctive echogenic lymphadenopathy in Whipples disease, Davis SJ; Patel A, Clin Radiol 1990; 42: 60
MR imaging of CNS relapse of Whipple disease, Davion T; Rosat P; Sevestre H; et al, JCAT 1990; 14: 815
Whipple disease of the mediastinum, Samuels TH; Hamilton PA; Shaw P, AJR 1990; 154: 1187
Whipple's disease: clinical, biochemical, and histopathologic features and assessment of treatment in 29 patients, (ab), Fleming JL; Wiesner RH; Shorter RG, Radiology 1989; 170: 296

Wilms tumor
See Kidney neoplasms

Wilson disease
cranial MRI in Wilson's disease, Prayer L; Wimberger D; Kramer J; et al, Neurora diol 1990; 32: 211
unusual magnetic resonance findings in Wilson's disease, Singcharoen T; Chakkaphak K; Udompanich O, Br J Radiol 1991; 64: 752
Wilson's disease: computed tomography and magnetic resonance imaging findings, Abdollah A; Tampieri D; Melanson D, J Canad Assoc Radiol 1991; 42: 130

Wrist
chronic wrist pain: evaluation with high-resolution MR imaging, Zlatkin MB; Chao PC; Osterman AL; Schnall MD; Dalinka MK; Kressel HY, Radiology 1989; 173: 723
demonstration of the scapholunate space with radiography, Kindynis P; Resnick D; Kang HS; Haller J; Sartoris DJ, Radiology 1990; 175: 278

scaphoid anatomy: evaluation with complex motion tomography, Smith DK; Linscheid RL; Amadio PC; Berquist TH; Cooney WP, Radiology 1989; **173:** 177

Wrist, abnormalities

carpal tunnel: MR imaging. part II. carpal tunnel syndrome, Mesgarzadeh M; Schneck CD; Bonakdarpour A; Mitra A; Conaway D, Radiology 1989; **171:** 749

case report 598, Gerscovich EO; Greenspan A, Skeletal Radiol 1990; **19:** 143

clinical efficacy of triple-injection wrist arthrography, Manaster BJ, Radiology 1991; **178:** 267

scapholunate advanced collapse: a common wrist abnormality in calcium pyrophosphate dihydrate crystal deposition disease, Chen C; Chandnani VP; Kang HS; Resnick D; Sartoris DJ; Haller J, Radiology 1990; **177:** 459

tears of the triangular fibrocartilage of the wrist: MR imaging, Golimbu CN; Firooznia H; Melone CP Jr; Rafii M; Weinreb JC; Leber C, Radiology 1989; **173:** 731

triangular fibrocartilage and intercarpal ligaments of the wrist: MR imaging. cadaveric study with gross pathologic and histologic correlation, Kang HS; Kindynis P; Brahme SK; Resnick D; Haghighi P; Haller J; Sartoris DJ, Radiology 1991; **181:** 401

wrist arthrography: value of the three-compartment injection method, Levinsohn EM; Rosen ID; Palmer AK, Radiology 1991; **179:** 231

Wrist, arthritis

case report 653, Whitaker MD; Jelinek JS; Kransdorf MJ; et al, Skeletal Radiol 1991; **20:** 291

cystic rheumatoid arthritis: description of a nonerosive form, Gubler FM; Maas M; Dijkstra PF; de Jongh HR, Radiology 1990; **177:** 829

problems with the Steinbrocker staging system for radiographic assessment of the rheumatoid hand and wrist, Kaye JJ; Fuchs HA; Moseley JW; et al, Invest Radiol 1990; **25:** 536

soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Fornage BD, Radiology 1989; **173:** 735

surgery of the rheumatoid wrist: postoperative appearances and complications of the more common procedures, Cope R, Skeletal Radiol 1989; **17:** 576

Wrist, arthrography

advanced imaging of the wrist, Quinn SF; Belsole R; Greene TL; Rayhack JM, Radiographics 1989; **9:** 229

arthrography of the post-traumatic knee, shoulder, and wrist: current status and future trends, Gundry CR; Schils JP; Resnick D; et al, Radiol Clin North Am 1989; **27:** 957

arthrography of the wrist, (ab), Resnick D, Radiology 1990; **174:** 902

chronic wrist pain: evaluation with high-resolution MR imaging, Zlatkin MB; Chao PC; Osterman AL; Schnall MD; Dalinka MK; Kressel HY, Radiology 1989; **173:** 723

clinical efficacy of triple-injection wrist arthrography, Manaster BJ, Radiology 1991; **178:** 267

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99

imaging of the wrist, Levinsohn EM, Radiol Clin North Am 1990; **28:** 905

three-compartment wrist arthrography: use of a low-iodine-concentration contrast agent to decrease study time, Conway WF; Hayes CW, Radiology 1989; **173:** 569

unidirectional joint communications in wrist arthrography: an evaluation of 250 cases, Wilson AJ; Gilula LA; Mann FA, AJR 1991; **157:** 105

wrist arthrography, Hall FM, Radiology 1990; **175:** 585

wrist arthrography, Levinsohn EM; Rosen D, Radiology 1991; **178:** 580

wrist arthrography: reply, Conway WF; Hayes CW, Radiology 1990; **175:** 586

wrist arthrography: value of the three-compartment injection method, Levinsohn EM; Rosen ID; Palmer AK, Radiology 1991; **179:** 231

Wrist, CT

advanced imaging of the wrist, Quinn SF; Belsole R; Greene TL; Rayhack JM, Radiographics 1989; **9:** 229

computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99

computed tomography of the scaphoid in the longitudinal axis of the bone, Muren C; Nygren E; Svartengren G, Acta Radiol 1990; **31:** 110

computed tomography of wrist trauma, Friedman L; Johnston GH; Yong-Hing K, J Canad Assoc Radiol 1990; **41:** 141

direct coronal CT of the scaphoid bone, Pennes DR; Jonsson K; Buckwalter KA, Radiology 1989; **171:** 870

forty degree angled coronal CT scanning of scaphoid fractures through plaster and fiberglass casts, Friedman L; Yong-Hing K; Johnston GH, JCAT 1989; **13:** 1101

imaging of the wrist, Levinsohn EM, Radiol Clin North Am 1990; **28:** 905

occult fractures of the carpals and metacarpals: demonstration by CT, Hindman BW; Kulik WJ; Lee G; et al, AJR 1989; **153:** 529

use of coronal computed tomography in the evaluation of Kienbock's disease, Friedman L; Yong-Hing K; Johnston GH, Clin Radiol 1991; **44:** 56

work in progress: postarthrography computed tomography of the wrist: evaluation of the triangular fibrocartilage complex, Quinn SF; Belsole R; Greene TL; et al, Skeletal Radiol 1989; **17:** 565

Wrist, fractures

clinical efficacy of triple-injection wrist arthrography, Manaster BJ, Radiology 1991; **178:** 267

computed tomography of the scaphoid in the longitudinal axis of the bone, Muren C; Nygren E; Svartengren G, Acta Radiol 1990; **31:** 110

diagnosis of fracture of the carpal scaphoid with 4 oblique projections, Just SL; Sloth C; Amundsen P-O, Eur J Radiol 1989; **9:** 152

direct coronal CT of the scaphoid bone, Pennes DR; Jonsson K; Buckwalter KA, Radiology 1989; **171:** 870

dorsal lunate tilt (DISI configuration): sign of scaphoid fracture displacement, Smith DK; Gilula LA; Amadio PC, Radiology 1990; **176:** 497

external fixation or plaster for severely displaced comminuted Colles' fractures?, (ab), Howard PW; Stewart HD; Hind RE; et al, Radiology 1989; **173:** 294

forty degree angled coronal CT scanning of scaphoid fractures through plaster and fiberglass casts, Friedman L; Yong-Hing K; Johnston GH, JCAT 1989; **13:** 1101

occult fractures of the carpals and metacarpals: demonstration by CT, Hindman BW; Kulik WJ; Lee G; et al, AJR 1989; **153:** 529

pisiform fractures, Fleege MA; Jebson PJ; Renfrew DL; et al, Skeletal Radiol 1991; **20:** 169

reference to dorsal intercalated segment instability in the literature, McNiesh LM, Radiology 1991; **180:** 879

reference to dorsal intercalated segment instability in the literature: reply, Smith DK; Gilula LA; Amadio PC, Radiology 1991; **180:** 879

scaphoid anatomy: evaluation with complex motion tomography, Smith DK; Linscheid RL; Amadio PC; Berquist TH; Cooney WP, Radiology 1989; **173:** 177

scaphoid fracture: evaluation with flexion-extension tomography, Tehranzadeh J; Davenport J; Pais MJ, Radiology 1990; **176:** 167

wrist arthrography: value of the three-compartment injection method, Levinsohn EM; Rosen ID; Palmer AK, Radiology 1991; **179:** 231

Wrist, injuries

advanced imaging of the wrist, Kursunoglu-Brahme S; Gundry CR; Resnick D, Radiol Clin North Am 1990; **28:** 307

anatomic relations between the median nerve and flexor tendons in the carpal tunnel: MR evaluation in normal volunteers, Zeiss J; Skie M; Ebraheim NA; et al, AJR 1989; **153:** 533

arthrography of the post-traumatic knee, shoulder, and wrist: current status and future trends, Gundry CR; Schils JP; Resnick D; et al, Radiol Clin North Am 1989; **27:** 957

chronic wrist pain: evaluation with high-resolution MR imaging, Zlatkin MB; Chao PC; Osterman AL; Schnall MD; Dalinka MK; Kressel HY, Radiology 1989; **173:** 723

clinical efficacy of triple-injection wrist arthrography, Manaster BJ, Radiology 1991; **178:** 267

computed tomography of wrist trauma, Friedman L; Johnston GH; Yong-Hing K, J Canad Assoc Radiol 1990; **41:** 141

demonstration of the scapholunate space with radiography, Kindynis P; Resnick D; Kang HS; Haller J; Sartoris DJ, Radiology 1990; **175:** 278

dorsal lunate tilt (DISI configuration): sign of scaphoid fracture displacement, Smith DK; Gilula LA; Amadio PC, Radiology 1990; **176:** 497

MR evaluation of triangular fibrocartilage complex tears in the wrist: comparison with arthrography and arthroscopy, Cerofolini E; Luchetti R; Pederzini L; et al, JCAT 1990; **14:** 963

real-time digital contrast enhancement and magnification in the assessment of scaphoid and other wrist injuries, Davies AM; Morris E; Manns RA; et al, Br J Radiol 1990; **63:** 934

reference to dorsal intercalated segment instability in the literature, McNiesh LM, Radiology 1991; **180:** 879

reference to dorsal intercalated segment instability in the literature: reply, Smith DK; Gilula LA; Amadio PC, Radiology 1991; **180:** 879

tears of the triangular fibrocartilage of the wrist: MR imaging, Golimbu CN; Firooznia H; Melone CP Jr; Rafii M; Weinreb JC; Leber C, Radiology 1989; **173:** 731

wrist arthrography: value of the three-compartment injection method, Levinsohn EM; Rosen ID; Palmer AK, Radiology 1991; **179:** 231

Wrist, MR

advanced imaging of the wrist, Quinn SF; Belsole R; Greene TL; Rayhack JM, Radiographics 1989; **9:** 229

anatomic relations between the median nerve and flexor tendons in the carpal tunnel: MR evaluation in normal volunteers, Zeiss J; Skie M; Ebraheim NA; et al, AJR 1989; **153:** 533

carpal tunnel: MR imaging. part I. normal anatomy, Mesgarzadeh M; Schneck CD; Bonakdarpour A, Radiology 1989; **171:** 743

carpal tunnel: MR imaging. part II. carpal tunnel syndrome, Mesgarzadeh M; Schneck CD; Bonakdarpour A; Mitra A; Conaway D, Radiology 1989; **171:** 749

chronic wrist pain: evaluation with high-resolution MR imaging, Zlatkin MB; Chao PC; Osterman AL; Schnall MD; Dalinka MK; Kressel HY, Radiology 1989; **173:** 723

high-resolution, short echo time MR imaging of the fingers and wrist with a local gradient coil, Wong EC; Jesmanowicz A; Hyde JS, Radiology 1991; **181:** 393

imaging of the wrist, Levinsohn EM, Radiol Clin North Am 1990; **28:** 905

is MR better than arthrography for evaluating the ligaments of the wrist? in vitro study, Gundry CR; Kursunoglu-Brahme S; Schwaighofer B; et al, AJR 1990; **154:** 337

magnetic resonance imaging of the wrist, Greenan T; Zlatkin MB, Semin US CT MR 1990; **11:** 267

masses of the hand and wrist: detection and characterization with MR imaging, Binkovitz LA; Berquist TH; McLeod RA, AJR 1990; **154:** 323

MR evaluation of triangular fibrocartilage complex tears in the wrist: comparison with arthrography and arthroscopy, Cerofolini E; Lucheiti R; Pederzini L; et al, JCAT 1990; **14:** 963

tears of the triangular fibrocartilage of the wrist: MR imaging, Golimbu CN; Firooznia H; Melone CP Jr; Rafii M; Weinreb JC; Leber C, Radiology 1989; **173:** 731

triangular fibrocartilage and intercarpal ligaments of the wrist: MR imaging, cadaveric study with gross pathologic and histologic correlation, Kang HS; Kindynis P; Brahme SK; Resnick D; Haghighi P; Haller J; Sartoris DJ, Radiology 1991; **181:** 401

Wrist, neoplasms
primary malignant fibrous histiocytoma of a metacarpal bone: a new localization, Dock W; Hajek P; Wittich G; et al, Br J Radiol 1989; **62:** 940
soft-tissue tumors of the hand and wrist of children, Azouz EM; Kozlowski K; Masel J, J Canad Assoc Radiol 1989; **40:** 251

Wrist, radiography
diagnosis of fracture of the carpal scaphoid with 4 oblique projections, Just SL; Sloth C; Amundsen P-O, Eur J Radiol 1989; **9:** 152
radiography of the wrist: a new device for standardized radiographs, Larsen CF; Stigsby B; Mathiesen FK; et al, Acta Radiol 1990; **31:** 459
real-time digital contrast enhancement and magnification in the assessment of scaphoid and other wrist injuries, Davies AM; Morris E; Manns RA; et al, Br J Radiol 1990; **63:** 934

Wrist, radionuclide studies
bilateral intraosseous ganglia of the lunates: bone imaging, CT scanning, and plain film correlation, Hastings G; Oates E, Clin Nucl Med 1990; **15:** 658
imaging of the wrist, Levinsohn EM, Radiol Clin North Am 1990; **28:** 905

Wrist, tomography
computed arthrotomography as an adjunct to pediatric arthrography, Brody AS; Ball WS Jr; Towbin RB, Radiology 1989; **170:** 99
imaging of the wrist, Levinsohn EM, Radiol Clin North Am 1990; **28:** 905
scaphoid anatomy: evaluation with complex motion tomography, Smith DK; Linscheid RL; Amadio PC; Berquist TH; Cooney WP, Radiology 1989; **173:** 177
scaphoid fracture: evaluation with flexion-extension tomography, Tehranzadeh J; Davenport J; Pais MJ, Radiology 1990; **176:** 167

Wrist, US
soft-tissue changes in the hand in rheumatoid arthritis: evaluation with US, Fornage BD, Radiology 1989; **173:** 735

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coexistent xanthogranulomatous pyelonephritis and massive replacement lipomatosis of the kidney: CT diagnosis, Acunaş B; Acunaş G; Rozanes I; et al, Urol Radiol 1990; **12:** 88
computed tomography of tendinous xanthomata in cerebrotendinous xanthomatosis, Hertzanu Y; Berginer J; Berginer VM, Skeletal Radiol 1991; **20:** 99
focal xanthogranulomatous pyelonephritis simulating a renal tumor: CT characteristics, Shah M; Haaga JR, JCAT 1989; **13:** 712
retroperitoneal xanthogranuloma: report of two cases with a review of the literature, Hennessy OF; Ptasznik R; Chou ST; et al, Australas Radiol 1990; **34:** 347
xanthogranuloma of the third ventricle, Wiot JG; Lukin RR; Tomsick TA, AJNR 1989; **10:** S57

Xenon
effects of inhaled stable xenon on cerebral blood flow velocity, Giller CA; Purdy P; Lindstrom WW, AJNR 1990; **11:** 177
penile blood flow by xenon-133 washout, Haden HT; Katz PG; Mulligan T; et al, J Nucl Med 1989; **30:** 1032
stable xenon CT cerebral blood flow imaging: rationale for and role in clinical decision making, Johnson DW; Stringer WA; Marks MP; et al, AJNR 1991; **12:** 201
xenon-CT cerebral blood flow evaluation of cerebral ischemia in children and young adults, Stringer WA; Hasso AN; Thompson JR; et al, JCAT 1989; **13:** 386

Xenon, radioactive
preparation of xenon-133 in a lipid emulsion for tissue perfusion studies, Hoff B; Johnston G; Moorman R; et al, Invest Radiol 1990; **25:** 724
xenon-127m: a new radionuclide for applications in nuclear medicine, Myers WG; Dahl JR; Graham MC, J Nucl Med 1990; **31:** 489
xenon-133 hepatic retention ratio: a useful index for fatty liver quantification, Yeh S-H; Wu L-C; Wang S-J; et al, J Nucl Med 1989; **30:** 1708

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Yttrium, radioactive
comparative biodistributions of yttrium- and indium-labeled monoclonal antibody B72.3 in athymic mice bearing human colon carcinoma xenografts, Roselli M; Schlom J; Gansow OA; et al, J Nucl Med 1989; **30:** 672
hepatocellular carcinoma: pilot trial of treatment with Y-90 microspheres, Houle S; Yip T-CK; Shepherd FA; Rotstein LE; Sniderman KW; Theis E; Cawthorn RH; Richmond-Cox K, Radiology 1989; **172:** 857
polyclonal ^{90}yttrium labeled antiferritin for refractory Hodgkin's disease, Vriesendorp HM; Herpst JM; Leichner PK; et al, Int J Radiat Oncol Biol Phys 1989; **17:** 815
radiobiologic studies comparing yttrium-90 irradiation and external beam irradiation *in vitro*, Wong JYC; Williams LE; Demidecki AJ; et al, Int J Radiat Oncol Biol Phys 1991; **20:** 715
radiopharmaceuticals for radiation synovectomy: evaluation of two yttrium-90 particulate agents, Davis MA; Chinol M, J Nucl Med 1989; **30:** 1047
selective internal radiation therapy: validation of intraoperative dosimetry, Burton MA; Gray BN; Kelleher DK; Klemp PF, Radiology 1990; **175:** 253
tolerance of the liver to the effects of Yttrium-90 radiation, Gray BN; Burton MA; Kelleher D; et al, Int J Radiat Oncol Biol Phys 1990; **18:** 619
treatment of liver tumors with yttrium-90 microspheres alone, Blanchard RJW; Morrow IM; Sutherland JB, J Canad Assoc Radiol 1989; **40:** 206
yttrium-90-labeled monoclonal antibody for therapy: labeling by a new macrocyclic bifunctional chelating agent, Deshpande SV; DeNardo SJ; Kukis DL; et al, J Nucl Med 1990; **31:** 473

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coronoid process hyperplasia: CT studies, Munk PL; Helms CA, Radiology 1989; **171:** 783

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Arachnoiditis
Armed Forces Institute of Pathology
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Arteries, grafts and prostheses
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Arteries, iliac
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Arteries, inflammation
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Arteries, injuries
Arteries, innominate
Arteries, internal mammary
Arteries, interventional procedure
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Arteries, mesenteric
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Arteries, peripheral
Arteries, popliteal
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Arteries, stenosis or obstruction
Arteries, subclavian
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Arteries, therapeutic blockade
Arteries, tibial
Use also Arteries, extremities
Arteries, transluminal angioplasty
Use also Arteries, laser angioplasty
Arteries, umbilical
Arteries, US
Arteries, uterine
Arteries, vertebral
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Arteriography
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Arteriosclerosis
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Arteriovenous malformations, cerebral
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Arteriovenous malformations, dural
Arteriovenous malformations, extremities
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Arteriovenous malformations, intestinal
Arteriovenous malformations, intracranial
Arteriovenous malformations, pelvic
Arteriovenous malformations, pulmonary
Arteriovenous malformations, renal
Arteriovenous malformations, spinal
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Arthritis, in infants and children
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Bacteria
Balloons
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Bladder, inflammation
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Bones, infection
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Brain, atrophy
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Brucellosis
Bucrylate
Budd-Chiari syndrome
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Bullets
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Bursa
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Calcaneus, fractures
Calcification
Use under names of organs and regions, such as Brain, calcification
Calcinosis
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Calcium
Calve-Legg-Perthes disease
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Cancer
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Computed tomography (CT)
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Computed tomography (CT), cine
Computed tomography (CT), clinical effectiveness
Computed tomography (CT), comparative studies
Computed tomography (CT), computer programs
Computed tomography (CT), contrast media
Computed tomography (CT), dual-energy
Computed tomography (CT), efficacy studies
Use Efficacy study, CT
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Use Emission CT
Computed tomography (CT), experimental
Computed tomography (CT), high-resolution
Computed tomography (CT), image display and recording
Computed tomography (CT), image processing
Computed tomography (CT), image quality
Computed tomography (CT), in infants and children
Computed tomography (CT), pediatric
Use Computed tomography (CT), in infants and children
Computed tomography (CT), physics
Computed tomography (CT), preoperative
Computed tomography (CT), radiation exposure
Computed tomography (CT), technology
Computed tomography (CT), therapeutic radiology
Computed tomography (CT), three-dimensional
Computed tomography (CT), tissue characterization
Computed tomography (CT), treatment planning
Computed tomography (CT), utilization
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Connective tissue, diseases
Connective tissue, inflammation
Use Cellulitis
Contraceptives and contraceptive devices
Contrast media
Contrast media, comparative studies
Contrast media, complications
Contrast media, effects
Contrast media, experimental studies
Contrast media, fatty acid
Contrast media, magnetic resonance (MR)
Use Magnetic resonance (MR), contrast enhancement
Contrast media, toxicity
Copper
Coronary angiography
Use also Angiocardiography
Coronary angiography, complications
Coronary angiography, contrast medi..
Coronary angiography, technology
Coronary vessels
Coronary vessels, anomalies
Coronary vessels, calcification
Coronary vessels, CT
Coronary vessels, diseases
Coronary vessels, dissection
Coronary vessels, flow dynamics
Coronary vessels, MR
Coronary vessels, obstruction
Use Coronary vessels, stenosis or obstruction
Coronary vessels, radionuclide studies
Coronary vessels, stenosis or obstruction
Coronary vessels, surgery
Coronary vessels, thrombosis
Coronary vessels, transluminal angioplasty
Coronary vessels, US
Corpus callosum, abnormalities
Corpus callosum, agenesis
Corpus callosum, MR
Corpus cavernosum
Cost effectiveness
Craniopharyngioma
Cranium
Use Skull
Crohn disease
Use Intestines, diseases
Cryptococcosis
Cryptosporidiosis
Cushing syndrome
Cyst, percutaneous drainage
Cysticercosis
Use also Parasites
Cystic fibrosis
Use Fibrosis, cystic
Cystitis
Cystourethrography
Use Bladder, radiography

D

Dacryocystography
Use Lacrimal gland and duct, radiography
Dandy-Walker syndrome
Use Brain, abnormalities
Deafness
Decision theory
Decompression
Use Diving
Defecography
Deglutition disorders
Dementia
Dermatitis
Dermatomyositis
Dermoid
Desmoid
Devil's Advocate
Diabetes insipidus
Diabetes mellitus
Diabetes mellitus, complications
Diagnostic radiology
Use also Radiography; Radiology and radiologists
Diagnostic radiology, observer performance
Diagnostic radiology, quality assurance
Use Quality assurance
Diagnostic radiology, radiation exposure
Dialysis
Dialysis, shunts
Diaphragm
Diaphragm, abnormalities
Diaphragm, CT
Diaphragm, injuries
Diaphragm, MR
Diaphragm, neoplasms
Diaphragm, rupture
Diaphragm, US
Diarrhea
Diastematomyelia
Diatrizoate
Diethylenetriaminepentaacetic acid (DTPA)
Dieulafoy disease

Digital radiography
Use Radiography, digital
Digital subtraction angiography
Digital subtraction angiography, comparative studies
Digital subtraction angiography, technology
Dipyridamole
Diving
Dopamine
Use Contrast media, toxicity
Dosimetry
Dotter, Charles
Down syndrome
Doxorubicin
Drugs, abuse
Drugs, effects
Drugs, toxicity
Dual-energy scanning and subtraction
Use Subtraction, dual-energy
Dual-photon absorptiometry
Use Bones, absorptiometry
Ductus arteriosus
Ductus venosus
Duodenal ulcer
Use Peptic ulcer
Duodenitis
Duodenum
Use also Gastrointestinal tract; Intestines
Duodenum, abnormalities
Duodenum, CT
Duodenum, diverticula
Duodenum, hemorrhage
Duodenum, neoplasms
Duodenum, perforation
Duodenum, radiography
Duodenum, stenosis or obstruction
Duodenum, US
Dural sinus
Use Sinuses, dural
Dwarfism
Use Bones, osteochondrodysplasias
Dysphagia
Use Deglutition disorders

E

Ear
Ear, abnormalities
Ear, anatomy
Ear, CT
Ear, diseases
Ear, inflammation and infection
Ear, injuries
Ear, MR
Ear, neoplasms
Ear, prostheses
Ear, therapeutic radiology
Ear, US
Ebstein anomaly
Use Tricuspid valve
Echinococcosis
Use also Liver, echinococcosis; Parasites
Echocardiography
Use Heart, US
Economics, medical
Editorials
Use also Devil's Advocate; Editor's Page; Opinions; Special communications
Editor's Page
Use also Devil's Advocate; Editorials; Opinions; Special communications
Education
Efficacy study
Efficacy study, CT
Ehlers-Danlos syndrome
Elbow
Elbow, arthrography
Elbow, CT
Elbow, injuries
Elbow, MR
Elbow, radiography
Electrocardiography (ECG)
Electrocoagulation
Ellison-Zollinger syndrome
Use Pancreas, neoplasms
Embolism
Use also Thrombosis
Embolism, fat
Embolism, foreign body
Embolism, gas
Embolism, oil
Embolism, pulmonary
Embolism, therapeutic
Use Arteries, therapeutic blockade; Veins, therapeutic blockade
Emergency medical service system
Emission CT
Emphysema
Emphysema, interstitial
Emphysema, pulmonary
Emphysema, renal
Emphysema, subcutaneous
Empyema
Encephalitis
Encephalocele
Use Brain, hernia
Encephalography
Use Brain, radiography
Encephalomalacia
Encephalopathy
Use Brain, diseases
Enchondroma
Endocarditis
Endocardium, inflammation
Use Endocarditis
Endocrine glands
Endocrine glands, dysfunction
Endocrine glands, neoplasms
Endocrine glands, radionuclide studies
Endometriosis
Endometrium
Use Uterus, endometrium
Endoscopic retrograde cholangiopancreatography (ERCP)
Endoscopy
Endoscopy, comparative studies
Enteritis
Enteroclysis
Enterocolitis
Use Colitis
Eosinophilia-myalgia syndrome
Ependymoma
Epidermoid
Epididymis
Epididymis, US
Epididymitis
Epiglottitis
Epilepsy
Epinephrine
Epiphyses
Use Bones, epiphyses
Erdheim-Chester disease
Use Lipogranulomatosis
Ergot and ergot preparations
Erythrocytes
Use Red blood cells
Esophagitis
Esophagus, abnormalities
Esophagus, achalasia
Use Achalasia
Esophagus, atresia
Use Esophagus, abnormalities
Esophagus, CT
Esophagus, cysts
Esophagus, diseases
Esophagus, diverticula
Esophagus, effects of irradiation on
Esophagus, foreign bodies
Use Foreign bodies, in air and food passages
Esophagus, function
Esophagus, grafts and prostheses
Esophagus, hemorrhage
Esophagus, inflammation
Use Esophagitis
Esophagus, injuries
Esophagus, interventional procedure
Esophagus, motility
Esophagus, MR
Esophagus, neoplasms
Esophagus, obstruction
Use Esophagus, stenosis or obstruction
Esophagus, perforation
Esophagus, postoperative
Esophagus, radiography
Esophagus, radionuclide studies
Esophagus, reflux
Esophagus, rupture
Esophagus, spasm
Esophagus, stenosis or obstruction
Esophagus, surgery
Esophagus, therapeutic radiology
Esophagus, US
Esophagus, varices
Esthesioneuroblastoma
Use Blastoma
Estrogen
Use Hormones
Ethanol
Use Alcohol
Ethics, medical
Ethiodol
Use Contrast media, fatty acid
Ethmoid bone
Ewing sarcoma
Excretory urography
Use Urography
Exophthalmos
Exostoses
Extracorporeal oxygenation
Use Infants, newborn, cardiovascular system; Infants, newborn, respiratory system
Extremities
Use also Fingers and toes; under names of bones and joints, such as Femur; Knee; etc.
Extremities, abnormalities
Extremities, amputation
Extremities, angiography
Extremities, blood supply
Extremities, CT
Extremities, edema
Extremities, fractures
Extremities, infection
Extremities, injuries
Extremities, measurement
Extremities, MR
Extremities, neoplasms
Extremities, radiography
Extremities, radionuclide studies
Extremities, thrombosis
Extremities, US
Eye
Eye, abnormalities
Eye, CT
Eye, diseases
Eye, effects of irradiation on
Eye, hemorrhage
Eye, MR
Eye, neoplasms
Eye, radionuclide studies
Eye, therapeutic radiology
Eye, US

F

Face
Use also Eye; Jaws; Nose; etc.
Face, abnormalities
Face, CT
Face, fractures
Face, injuries
Face, MR
Face, neoplasms
Face, US
Fallopian tubes
Fallopian tubes, abscess
Fallopian tubes, CT
Fallopian tubes, diseases
Fallopian tubes, interventional procedure
Fallopian tubes, MR
Fallopian tubes, neoplasms
Fallopian tubes, stenosis or obstruction
Fallopian tubes, US
Familial conditions
Fascia, renal
Fasciitis
Fat, CT
Fat, MR
Fat, necrosis
Fat, US
Feeding tube
Feeding tube, complications
Femur
Femur, abnormalities
Femur, CT
Femur, fractures
Femur, MR
Femur, necrosis
Femur, neoplasms
Femur, radionuclide studies
Femur, US
Ferrites
Use Iron
Fertility
Use Sterility
Fetus
Use also Pregnancy
Fetus, abnormalities
Fetus, blood supply
Fetus, cardiovascular system
Fetus, central nervous system

Fetus, CT
Fetus, death
Fetus, effects of irradiation on
Fetus, endocrine glands
Fetus, gastrointestinal tract
Fetus, genitourinary system
Fetus, growth and development
Fetus, MR
Fetus, neoplasms
Fetus, respiratory system
Fetus, skeletal system
Fetus, US
Use also Pregnancy, US
Fibrinogen
Use Blood, fibrinogen
Fibrinolysis
Use Thrombolysis
Fibroma
Use also under names of organs and regions, such as Bones, fibroma
Fibrosarcoma
Use Sarcoma
Fibrosis, cystic
Fibula
Film processing
Use Screens and films
Films and screens
Use Screens and films
Filters, radiographic
Use also Venae cavae, filters
Fingers and toes
Use also Foot; Hand
Fingers and toes, abnormalities
Fingers and toes, ischemia
Fingers and toes, neoplasms
Finite element analysis
Fistula, anal
Fistula, aortobronchopulmonary
Fistula, aortocaval
Fistula, aortoenteric
Fistula, aortoesophageal
Fistula, arterioenteric
Fistula, arteriovenous
Use also Arteriovenous malformations
Fistula, biliary-cutaneous
Fistula, bronchobiliary
Fistula, bronchoesophageal
Fistula, carotid-cavernous
Fistula, cholecystoduodenal
Fistula, choledochoduodenal
Fistula, colonic
Fistula, coronary
Fistula, duodenal-pericardial
Fistula, dural
Fistula, enterovaginal
Fistula, enterovesical
Fistula, esophageal
Use also Fistula, bronchoesophageal; Fistula, tracheoesophageal
Fistula, gastroaortic
Fistula, gastrobronchial
Fistula, gastrointestinal
Fistula, gastropancreatic
Fistula, gastrosplenic
Fistula, pancreatic-pleural
Fistula, pericardial
Fistula, portal vein
Fistula, renal
Fistula, renoduodenal
Fistula, therapeutic blockade
Fistula, tracheoesophageal
Fistula, ureteral
Fistula, ureteroarterial
Fistula, urethral
Fistula, urinary
Fistula, vesicorectal
Fistula, vesicovaginal
Fluorine
Use also Magnetic resonance (MR), fluorine studies
Fluoroscopy
Use also Radiography
Fluoroscopy, technology
Fluorouracil
Food and Drug Administration
Foot
Foot, abnormalities
Foot, CT
Foot, fractures
Foot, injuries
Foot, MR
Foot, neoplasms
Foot, radiography
Foot, radionuclide studies
Foot, US
Foreign bodies
Foreign bodies, in air and food passages
Forensic radiology
Fournier gangrene
Use Scrotum, diseases
Fractionation
Use Radiobiology, time-dose studies
Fractures
Use also under names of individual bones
Fractures, complications
Fractures, pathologic
Fractures, stress
Fractures, therapy
Frostbite
Fungi

G

Gadolinium
Galactose
Gallbladder
Use also Bile ducts
Gallbladder, abnormalities
Gallbladder, calculi
Gallbladder, chemical therapy
Gallbladder, CT
Gallbladder, cysts
Gallbladder, diseases
Gallbladder, function
Gallbladder, inflammation
Use Cholecystitis
Gallbladder, interventional procedure
Gallbladder, lithotripsy
Use Lithotripsy
Gallbladder, MR
Gallbladder, neoplasms
Gallbladder, percutaneous drainage
Use Gallbladder, interventional procedure
Gallbladder, perforation
Gallbladder, radiography
Gallbladder, radionuclide studies
Gallbladder, surgery
Gallbladder, US
Gallbladder, varices
Gallbladder, wall thickening
Gallium, radioactive
Gallstones
Use Gallbladder, calculi
Gamma globulins
Ganglion
Gangrene
Gardner syndrome
Gastric ulcer
Use Peptic ulcer
Gastrinoma
Use Pancreas, neoplasms
Gastritis
Gastroesophageal reflux
Use Esophagus, reflux
Gastrointestinal tract
Use also Stomach; Duodenum; Colon; Intestines; etc.
Gastrointestinal tract, abnormalities
Gastrointestinal tract, angiography
Gastrointestinal tract, CT
Gastrointestinal tract, diseases
Gastrointestinal tract, endoscopy
Use Endoscopy
Gastrointestinal tract, hemorrhage
Gastrointestinal tract, infection
Gastrointestinal tract, inflammation
Gastrointestinal tract, interventional procedure
Gastrointestinal tract, MR
Gastrointestinal tract, neoplasms
Gastrointestinal tract, perforation
Gastrointestinal tract, radiography
Gastrointestinal tract, radionuclide studies
Gastrointestinal tract, surgery
Gastrointestinal tract, therapeutic radiology
Gastrointestinal tract, US
Gastrojejunostomy
Gastroplasty
Use Stomach, surgery
Gastrostomy
Gaucher disease
Gelatin foam
Genitourinary system
Genitourinary system, abnormalities
Genitourinary system, calculi
Genitourinary system, CT
Genitourinary system, diseases
Genitourinary system, infection
Genitourinary system, injuries
Genitourinary system, interventional procedure
Genitourinary system, MR
Genitourinary system, neoplasms
Genitourinary system, prostheses
Genitourinary system, radiography
Genitourinary system, radionuclide studies
Genitourinary system, stenosis or obstruction
Genitourinary system, therapeutic radiology
Genitourinary system, US
Genitourinary tract
Use Genitourinary system; Urine; Urography; under names of organs, such as Bladder; Kidney
Glioma
Use Brain neoplasms
Glomus jugulare, neoplasms
Glucagon
Glucose
Glycogen
Glycogen storage disease
Goiter
Use also Graves disease; Thyroid, hyperthyroidism
Gout
Grafts
Grafts, infection
Grafts, interventional procedure
Grafts, stenosis
Granulocytes
Use Leukocytes
Granuloma
Granuloma, eosinophilic
Use Histiocytosis
Granuloma, giant-cell reparative
Granulomatosis
Use Granuloma
Graves disease
Use also Goiter; Thyroid, hyperthyroidism
Gynecology, MR
Gynecology, US
Gynecomastia
Use Breast, male

H

Hamartoma
Hand
Use also Extremities; Fingers and toes
Hand, abnormalities
Hand, arthritis
Hand, CT
Hand, injuries
Hand, MR
Hand, neoplasms
Hand, radiography
Hand, US
Head
Use also Brain; Skull
Head, CT
Head, injuries
Head, MR
Head, neoplasms
Use Head and neck neoplasms
Head, radionuclide studies
Head, therapeutic radiology
Use Head and neck neoplasms, therapeutic radiology
Head, US
Head and neck neoplasms
Head and neck neoplasms, CT
Head and neck neoplasms, metastases
Head and neck neoplasms, MR
Head and neck neoplasms, radionuclide studies
Head and neck neoplasms, therapeutic radiology
Head and neck neoplasms, therapy
Heart
Use also Coronary vessels; Myocardium; Pericardium
Heart, abnormalities
Heart, anatomy
Heart, calcification
Heart, catheterization
Use Heart, interventional procedure
Heart, CT
Heart, defibrillator
Heart, diseases
Heart, effects of drugs on
Heart, effects of irradiation on
Heart, ejection fraction
Heart, experimental studies

Heart, failure
Heart, flow dynamics
Heart, foreign bodies
Heart, function
Heart, hypertrophy
Heart, infarction
Heart, inflammation
Use Endocarditis
Heart, injuries
Heart, insufficiency
Use Heart, failure
Heart, interventional procedure
Heart, ischemia
Heart, MR
Heart, neoplasms
Heart, pacemakers
Heart, prostheses
Heart, radionuclide studies
Heart, rhythm
Heart, size
Use Heart, volume
Heart, surgery
Heart, tamponade
Heart, thrombosis
Heart, transplantation
Heart, US
Heart, valves
Heart, ventricles
Heart, volume
Helicobacter infection
Helium ion therapy
Hemangioblastoma
Use Angioma
Hemangioendothelioma
Hemangioma
Use Angioma
Hemangiopericytoma
Hematoma
Use hemorrhage under names of organs and regions, such as Brain, hemorrhage
Hematopoiesis, extramedullary
Hematuria
Hemochromatosis
Hemodialysis
Use Dialysis
Hemolytic-uremic syndrome
Hemophilia
Hemophilus influenzae
Hemoptysis
Use Lung, hemorrhage
Hemorrhage
Use also under names of organs, such as Brain, hemorrhage
Hemorrhage, CT
Hemorrhage, MR
Hemorrhage, radionuclide studies
Hemorrhagic fever
Use Kidney, infection
Hemorrhoids
Hemothorax
Use Thorax, hemorrhage
Heparin
Hepatic arteries
Hepatic arteries, chemotherapeutic infusion
Hepatic arteries, stenosis or obstruction
Hepatic arteries, therapeutic blockade
Hepatic arteries, thrombosis
Hepatic arteries, transluminal angioplasty
Hepatic arteries, US
Hepatic veins
Hepatic veins, CT
Hepatic veins, MR
Hepatic veins, stenosis or obstruction
Hepatic veins, thrombosis
Hepatic veins, transluminal angioplasty
Hepatic veins, US
Hepatitis
Hepatoblastoma
Use Blastoma
Heredity
Use Familial conditions
Hernia
Use also Herniography; under names of organs and regions, such as Brain, hernia
Hernia, diaphragmatic
Hernia, hiatal
Hernia, inguinal
Hernia, perineal
Herniography
Herpes simplex
Hexabrix
Use Ioxaglate
Hexamethylpropyleneamineoxime (HMPAO)
Hibernoma
Hip
Hip, abnormalities
Hip, anatomy
Hip, arthritis
Hip, arthrography
Hip, CT
Hip, diseases
Hip, dislocation
Hip, fractures
Hip, infection
Hip, MR
Hip, necrosis
Hip, prostheses
Hip, radiography
Hip, radionuclide studies
Hip, surgery
Hip, therapeutic radiology
Hip, US
Hirschsprung disease
Use Colon, aganglionosis
Histiocytoma
Histiocytosis
Histoplasmosis
Hodgkin disease
Use also Lymphoma
Hodgkin disease, diagnosis
Hodgkin disease, in infants and children
Hodgkin disease, staging
Hodgkin disease, therapeutic radiology
Hodgkin disease, therapy
Holoprosencephaly
Hormone receptors
Hormones
Hormones, ectopic
Horner syndrome
How I Do It
Use Radiology and radiologists, How I Do It
Humerus
Humerus, fractures
Hurler syndrome
Hyaline membrane disease
Use Respiratory distress syndrome
Hydatid disease
Use Echinococcosis
Hydatidiform mole
Use Uterus, hydatidiform mole
Hydrocephalus
Use Brain, hydrocephalus
Hydronephrosis
Hydrops fetalis
Hydrothorax
Hydroxyapatite
Hygroma, cystic
Hyperostosis
Hyperoxaluria
Hyperparathyroidism
Use Parathyroid, hyperparathyroidism
Hypertension
Hypertension, portal
Hypertension, pulmonary
Hypertension, renal
Hypertension, renovascular
Hypertension, systemic
Hyperthermia
Hyperthyroidism
Use Thyroid, hyperthyroidism
Hypoparathyroidism
Use Parathyroid, hypoparathyroidism
Hypophosphatemia
Hypopituitarism
Use Pituitary, hypopituitarism
Hypothalamus
Hypoxia
Hysterosalpingography
Use Uterus, radiography

I

Ileostomy
Ileum
Ileum, diverticula
Ileum, neoplasms
Ilium
Images, analysis
Images, artifact
Images, display
Images, enhancement
Images, interpretation
Images, processing
Images, quality
Images, storage and retrieval
Use Picture archiving and communication system (PACS)
Images, transmission
Imaging plate
Immunity
Immunoglobulins
Use Gamma globulins
Impotence
Indium, radioactive
Indomethacin
Infants
Use also Infants, newborn
Infants, cardiovascular system
Infants, central nervous system
Infants, endocrine glands
Infants, eye and orbit
Infants, gastrointestinal tract
Infants, genitourinary system
Infants, injuries
Infants, newborn
Infants, newborn, cardiovascular system
Infants, newborn, central nervous system
Infants, newborn, endocrine glands
Infants, newborn, eye and orbit
Infants, newborn, gastrointestinal tract
Infants, newborn, genitourinary system
Infants, newborn, respiratory system
Infants, newborn, skeletal system
Infants, premature
Use Infants, newborn
Infants, respiratory system
Infants, skeletal system
Infertility
Use Sterility
Inflammation, MR
Inflammation, radionuclide studies
Informed consent
Inner Visions
Insulinoma
Use Pancreas, neoplasms
International Commission on Radiological Protection (ICRP)
International Society of Biliary Radiologists (ISBR)
Interventional procedures
Interventional procedures, complications
Interventional procedures, experimental
Interventional procedures, in infants and children
Interventional procedures, technology
Interventional procedures, utilization
Intervertebral disks
Use Spine, intervertebral disks
Intestinal neoplasms
Intestinal neoplasms, CT
Intestinal neoplasms, diagnosis
Intestinal neoplasms, metastases
Intestinal neoplasms, MR
Intestinal neoplasms, radionuclide studies
Intestinal neoplasms, staging
Intestinal neoplasms, US
Intestines
Use also Appendix; Colon; Duodenum; Gastrointestinal tract; Intestinal neoplasms; Rectum
Intestines, abnormalities
Intestines, angiography
Intestines, CT
Intestines, cysts
Intestines, diseases
Intestines, diverticula
Intestines, effects of irradiation on
Intestines, hemorrhage
Intestines, hernia
Intestines, infarction
Intestines, inflammation
Use Enteritis
Intestines, injuries
Intestines, intussusception
Use Intussusception
Intestines, ischemia
Intestines, malrotation
Intestines, motility
Intestines, MR
Intestines, neoplasms
Use Intestinal neoplasms
Intestines, obstruction
Use Intestines, stenosis or obstruction
Intestines, parasites
Use Parasites
Intestines, perforation
Intestines, radiography
Intestines, radionuclide studies
Intestines, stenosis or obstruction
Intestines, surgery
Intestines, transplantation
Intestines, ulcer
Use Peptic ulcer
Intestines, US

Intestines, volvulus
Intussusception
Iodine and iodine compounds
Iodine and iodine compounds, radioactive
Iohexol
Iopamidol
Iotrolan
Ioxaglate
Iridium, radioactive
Iron
Islet-cell neoplasms
Use Pancreas, neoplasms

J

Jaundice
Jaws, abnormalities
Jaws, CT
Jaws, cysts
Jaws, MR
Jaws, neoplasms
Jejunostomy
Jejunum
Jejunum, abnormalities
Jejunum, diverticula
Jejunum, hemorrhage
Joints
Use also Arthritis; Arthrography; names of joints, such as Ankle; Knee; etc.
Joints, abnormalities
Joints, acromioclavicular
Joints, calcification
Joints, CT
Joints, diseases
Joints, fluid
Joints, glenohumeral
Use Shoulder
Joints, inflammation
Use Arthritis
Joints, injuries
Joints, MR
Joints, neoplasms
Joints, prostheses
Joints, radiography
Joints, radionuclide studies
Joints, sacroiliac
Joints, sternoclavicular
Joints, sternocostal
Joints, temporomandibular
Joints, US
Journal of Magnetic Resonance Imaging
Journal of Vascular and Interventional Radiology
Jugular bulb

K

Kaposi sarcoma
Kawasaki disease
Keloids
Kidney
Use also Genitourinary system; Hydronephrosis; Kidney neoplasms; Urography
Kidney, abnormalities
Kidney, abscess
Kidney, agenesis
Use Kidney, abnormalities
Kidney, anatomy
Kidney, angiography
Use Renal angiography
Kidney, biopsy
Kidney, blood supply
Kidney, calcification
Kidney, calculi
Kidney, CT
Kidney, cysts
Kidney, diseases
Kidney, diverticula
Kidney, dysplasia
Kidney, effects of drugs on
Kidney, effects of irradiation on
Kidney, failure
Kidney, function
Kidney, hematoma
Use Kidney, hemorrhage
Kidney, hemorrhage
Kidney, immaturity
Kidney, infarction
Kidney, infection
Kidney, inflammation
Use Nephritis
Kidney, injuries
Kidney, interventional procedure
Kidney, MR
Kidney, necrosis
Kidney, neoplasms
Use Kidney neoplasms
Kidney, parenchymal pattern
Kidney, percutaneous drainage
Use Kidney, interventional procedure
Kidney, percutaneous nephrostomy
Use Kidney, interventional procedure
Kidney, radiography
Kidney, radionuclide studies
Kidney, size
Kidney, stenosis or obstruction
Kidney, stone extraction
Kidney, surgery
Kidney, transplantation
Kidney, US
Kidney, varices
Kidney, volume
Use also Kidney, size
Kidney neoplasms
Kidney neoplasms, angiography
Kidney neoplasms, calcification
Kidney neoplasms, CT
Kidney neoplasms, diagnosis
Kidney neoplasms, hemorrhage
Kidney neoplasms, metastases
Kidney neoplasms, MR
Kidney neoplasms, radionuclide studies
Kidney neoplasms, secondary
Kidney neoplasms, staging
Kidney neoplasms, therapeutic radiology
Kidney neoplasms, therapy
Kidney neoplasms, US
Knee
Knee, abnormalities
Knee, anatomy
Knee, arthritis
Knee, arthrography
Knee, CT
Knee, cysts
Knee, fractures
Knee, injuries
Use also Knee, fractures; Knee, ligaments and menisci
Knee, ligaments and menisci
Knee, menisci
Use Knee, ligaments and menisci
Knee, MR
Knee, neoplasms
Knee, prostheses
Knee, radiography
Knee, radionuclide studies
Knee, surgery
Knee, US
Krypton, radioactive
Kyphosis
Use Spine, curvature

L

Lacrimal gland and duct
Lacrimal gland and duct, CT
Lacrimal gland and duct, radiography
Lacrimal gland and duct, radionuclide studies
Laryngectomy
Use Larynx, surgery
Laryngocele
Larynx
Larynx, abnormalities
Larynx, anatomy
Larynx, CT
Larynx, injuries
Larynx, MR
Larynx, neoplasms
Larynx, obstruction
Use Larynx, stenosis or obstruction
Larynx, stenosis or obstruction
Larynx, surgery
Larynx, therapeutic radiology
Larynx, US
Lasers
Lead
Legg-Calve-Perthes disease
Use Bones, necrosis
Legionnaires' disease
Leiomyoma
Use Myoma
Leiomyosarcoma
Use Myoma
Letters to the Editor
Leukemia
Leukemia, complications
Leukemia, in infants and children
Leukemia, lymphocytic
Leukemia, myelogenous
Leukemia, therapeutic radiology
Leukemia, therapy
Leukocytes
Leukoencephalopathy
Use Brain, diseases
Leukomalacia
Ligaments
Ligaments, cruciate
Use Knee, ligaments and menisci
Ligaments, hepatoduodenal
Use Ligaments, peritoneal
Ligaments, injuries
Ligaments, MR
Ligaments, peritoneal
Ligaments, pulmonary
Ligaments, spinal
Linear accelerators
Linitis plastica
Use Adenocarcinoma
Lipiodol
Use Contrast media, fatty acid
Lipoblastoma
Lipodystrophy
Lipogranulomatosis
Lipoma and lipomatosis
Lipoproteins
Liposarcoma
Liposomes
Lissencephaly
Use Brain, abnormalities
Lithotripsy
Lithotripsy, complications
Liver, abnormalities
Liver, abscess
Liver, amyloidosis
Use Amyloidosis
Liver, anatomy
Liver, angiography
Liver, biopsy
Liver, blood supply
Liver, calcification
Liver, calculi
Liver, cirrhosis
Liver, CT
Liver, cysts
Liver, diseases
Liver, echinococcosis
Liver, effects of drugs on
Liver, fatty
Liver, focal nodular hyperplasia
Liver, function
Liver, hemorrhage
Liver, hypertrophy
Liver, infarction
Liver, infection
Liver, inflammation
Use Hepatitis
Liver, injuries
Liver, interventional procedure
Liver, iron content
Liver, MR
Liver, necrosis
Liver, neoplasms
Use Liver neoplasms
Liver, percutaneous drainage
Use Liver, interventional procedure
Liver, radionuclide studies
Liver, rupture
Liver, size
Liver, surgery
Liver, transplantation
Liver, US
Liver neoplasms
Liver neoplasms, angiography
Liver neoplasms, blood supply
Liver neoplasms, CT
Liver neoplasms, diagnosis
Liver neoplasms, metastases
Liver neoplasms, MR
Liver neoplasms, radionuclide studies
Liver neoplasms, secondary
Liver neoplasms, therapeutic radiology
Liver neoplasms, therapy
Liver neoplasms, US
Lung
Use also Bronchi; Lung neoplasms; Pleura; Respiratory distress syndrome

Lung, abnormalities
Lung, abscess
Lung, aeration
Use Lung, ventilation
Lung, anatomy
Lung, angiography
Use Pulmonary angiography
Lung, aspiration
Lung, atelectasis
Use Lung, collapse
Lung, biopsy
Lung, calcification
Lung, cavitation
Lung, collapse
Lung, consolidation
Lung, CT
Lung, cysts
Lung, density
Lung, diseases
Lung, edema
Use Lung, fluid
Lung, effects of drugs on
Lung, effects of irradiation on
Lung, fibrosis
Use also Pneumonitis, usual interstitial
Lung, fluid
Lung, function
Lung, granuloma
Lung, hemoptysis
Use Lung, hemorrhage
Lung, hemorrhage
Lung, hernia
Lung, infarction
Lung, infection
Lung, injuries
Lung, lavage
Lung, MR
Lung, neoplasms
Use Lung neoplasms
Lung, nodule
Lung, perfusion
Lung, radiography
Lung, radionuclide studies
Lung, sequestration
Use Lung, abnormalities
Lung, surgery
Lung, thrombosis
Lung, tomography
Lung, torsion
Lung, transplantation
Lung, US
Lung, ventilation
Lung, volume
Use Lung, ventilation
Lung neoplasms
Lung neoplasms, CT
Lung neoplasms, diagnosis
Lung neoplasms, metastases
Lung neoplasms, MR
Lung neoplasms, radionuclide studies
Lung neoplasms, secondary
Lung neoplasms, staging
Lung neoplasms, surgery
Lung neoplasms, therapeutic radiology
Lung neoplasms, therapy
Lung neoplasms, US
Lupus erythematosus
Lyme disease
Lymphangiography
Use Lymphography
Lymphangioma
Lymphangiomatosis
Lymphangiomyomatosis
Lymphatic system
Lymphatic system, abnormalities
Lymphatic system, angiography
Lymphatic system, biopsy
Lymphatic system, calcification
Lymphatic system, CT
Lymphatic system, diseases
Lymphatic system, flow dynamics
Lymphatic system, hyperplasia
Lymphatic system, infection
Lymphatic system, interventional procedure
Lymphatic system, MR
Lymphatic system, neoplasms
Lymphatic system, radionuclide studies
Lymphatic system, therapeutic radiology
Lymphatic system, US
Lymphedema
Lymph nodes
Use Lymphatic system
Lymphocele
Lymphocytes
Lymphography
Lymphoma
Use also Hodgkin disease
Lymphoma, CT
Lymphoma, diagnosis
Lymphoma, in infants and children
Lymphoma, metastases
Lymphoma, MR
Lymphoma, radionuclide studies
Lymphoma, staging
Lymphoma, therapeutic radiology
Lymphoma, therapy
Lymphoma, US
Lymphoscintigraphy
Use Lymphatic system, radionuclide studies

M

Magnetic resonance (MR)
Use also under names of organs and regions, such as Brain, MR
Magnetic resonance (MR), angiography
Use Magnetic resonance (MR), vascular studies
Magnetic resonance (MR), antibody imaging
Magnetic resonance (MR), artifact
Magnetic resonance (MR), biological effects
Magnetic resonance (MR), carbon studies
Magnetic resonance (MR), chemical shift
Magnetic resonance (MR), cine study
Magnetic resonance (MR), comparative studies
Magnetic resonance (MR), contrast enhancement
Magnetic resonance (MR), echo planar
Magnetic resonance (MR), experimental
Magnetic resonance (MR), fat suppression
Magnetic resonance (MR), flow studies
Use Magnetic resonance (MR), vascular studies
Magnetic resonance (MR), fluorine studies
Magnetic resonance (MR), high-field-strength imaging
Magnetic resonance (MR), image display
Magnetic resonance (MR), image processing
Magnetic resonance (MR), in infants and children
Magnetic resonance (MR), interferometry
Magnetic resonance (MR), intracavitary coils
Magnetic resonance (MR), low-field-strength imaging
Magnetic resonance (MR), magnetization transfer contrast
Magnetic resonance (MR), motion correction
Magnetic resonance (MR), perfusion study
Magnetic resonance (MR), phosphorus studies
Magnetic resonance (MR), physics
Magnetic resonance (MR), pulse sequences
Magnetic resonance (MR), quality assurance
Magnetic resonance (MR), rapid imaging
Magnetic resonance (MR), relaxometry
Magnetic resonance (MR), safety
Magnetic resonance (MR), sodium studies
Magnetic resonance (MR), spectroscopy
Magnetic resonance (MR), surface coils
Magnetic resonance (MR), technology
Magnetic resonance (MR), three-dimensional
Magnetic resonance (MR), tissue characterization
Magnetic resonance (MR), treatment planning
Magnetic resonance (MR), utilization
Magnetic resonance (MR), vascular studies
Magnetic resonance (MR) guidance
Malacoplakia
Mammography
Use Breast radiography
Mandible
Use Jaws
Manganese
Marfan syndrome
Marshall-Smith syndrome
Mastocytosis
Mastoid, abnormalities
Mastoid, CT
Mastoid, cysts
Mastoid, MR
Mastoiditis
Maxilla
Use Jaws
McArdle disease
Use Muscles, diseases
Meckel diverticulum
Use Intestines, diverticula
Meconium
Mediastinitis
Mediastinum
Mediastinum, abnormalities
Mediastinum, abscess
Mediastinum, anatomy
Mediastinum, biopsy
Mediastinum, CT
Mediastinum, cysts
Mediastinum, fibrosis
Mediastinum, fluid
Mediastinum, hemorrhage
Mediastinum, inflammation
Use Mediastinitis
Mediastinum, injuries
Mediastinum, MR
Mediastinum, neoplasms
Mediastinum, radiography
Mediastinum, radionuclide studies
Mediastinum, US
Medico-legal problems
Medulla oblongata
Use Brain stem
Medulloblastoma
Megacolon
Use Colon, enlarged
Melanoma
Memory
Meninges
Use also Arachnoid
Meninges, CT
Meninges, hemorrhage
Meninges, inflammation
Use Meningitis
Meninges, injuries
Meninges, MR
Meninges, neoplasms
Meningioangiomatosis
Meningioma
Use Meninges, neoplasms
Meningitis
Meningocele
Use Spina bifida
Mercaptoacetyltriglycine
Mesentery, angiography
Mesentery, CT
Mesentery, cysts
Mesentery, ischemia
Mesentery, MR
Mesentery, neoplasms
Mesentery, US
Mesothelioma
Metabolism
Metaphyses
Use Bones, metaphyses
Methotrexate
Methyl *tert*-butyl ether (MTBE)
Metrizoate
Metronidazole
Microspheres
Microwaves
Misonidazole
Mitomycin C
Mitral valve
Mitral valve, MR
Mitral valve, prolapse
Mitral valve, prostheses
Mitral valve, regurgitation
Mitral valve, stenosis
Mitral valve, surgery
Mitral valve, US
Model, anatomical
Model, mathematical
Mongolism
Use Down syndrome
Monoclonal antibodies
Mononucleosis, infectious
Monooctanoin
Morison pouch
Morphine
Morton neuroma
Use Neuroma
Mouth, CT
Mouth, cysts
Mouth, MR
Mouth, neoplasms
Mouth, therapeutic radiology
Mucocele
Mucormycosis
Multiple sclerosis
Use Sclerosis, multiple
Muscles
Use also Soft tissues
Muscles, abnormalities
Muscles, abscess
Muscles, CT
Muscles, diseases
Muscles, fibrosis
Muscles, hypertrophy

Muscles, iliopsoas
Muscles, inflammation
Use Myositis
Muscles, injuries
Muscles, ischemia
Muscles, MR
Muscles, neoplasms
Muscles, psoas
Muscles, radionuclide studies
Muscles, US
Myasthenia gravis
Mycobacteria
Mycosis fungoides
Myelin
Myelography
Use also Meninges; Spinal cord; Spine
Myelography, complications
Myelography, contrast media
Myelography, in infants and children
Myelography, technology
Myelolipoma
Myeloma
Myocarditis
Myocardium
Use also Heart
Myocardium, abnormalities
Myocardium, blood supply
Myocardium, calcification
Myocardium, CT
Myocardium, infarction
Myocardium, inflammation
Use Myocarditis
Myocardium, ischemia
Myocardium, MR
Myocardium, radionuclide studies
Myocardium, US
Myoma
Myopathy
Use Muscles, diseases
Myosarcoma
Myositis
Use also Dermatomyositis
Myositis ossificans
Myxoma

N

Nasopharynx
Nasopharynx, abnormalities
Nasopharynx, CT
Nasopharynx, cysts
Nasopharynx, MR
Nasopharynx, neoplasms
Nasopharynx, therapeutic radiology
National Council on Radiation Protection and Measurements (NCRP)
Neck
Neck, angiography
Neck, CT
Neck, cysts
Neck, infection
Neck, injuries
Neck, MR
Neck, neoplasms
Use Head and neck neoplasms
Neck, radiography
Neck, radionuclide studies
Neck, therapeutic radiology
Use Head and neck neoplasms, therapeutic radiology
Neck, US
Neoplasms
Use also Radiations, injurious effects, neoplastic; Radiobiology; Therapeutic radiology; under names of organs and regions; under names of individual neoplasms
Neoplasms, blood supply
Neoplasms, CT
Neoplasms, diagnosis
Neoplasms, embolization
Use Arteries, therapeutic blockade
Neoplasms, experimental
Neoplasms, in infants and children
Neoplasms, metastases
Neoplasms, MR
Neoplasms, radionuclide studies
Neoplasms, staging
Neoplasms, therapeutic radiology
Neoplasms, therapy
Neoplasms, US
Nephritis
Nephrocalcinosis
Use Kidney, calcification
Nephrolithiasis
Use Kidney, calculi
Nephroma
Use Kidney neoplasms
Nephrostomy
Use Kidney, interventional procedure
Nerves
Nerves, abnormalities
Nerves, acoustic
Nerves, celiac plexus
Nerves, cranial
Nerves, CT
Nerves, diseases
Nerves, facial
Nerves, femoral
Nerves, lumbar
Nerves, MR
Nerves, optic
Nerves, peripheral
Nerves, phrenic
Nerves, roots
Nerves, sacral
Nerves, sciatic
Nerves, spinal
Nerves, trigeminal
Nervous system
Nervous system, abnormalities
Nervous system, CT
Nervous system, diseases
Nervous system, effects of drugs on
Nervous system, injuries
Nervous system, MR
Nervous system, neoplasms
Nervous system, radionuclide studies
Nervous system, therapeutic radiology
Nervous system, US
Neuralgia
Neurilemmoma
Use Neuroma
Neurinoma
Use Neuroma
Neuritis
Neuroblastoma
Neurocysticercosis
Use Cysticercosis
Neurofibroma
Use Neuroma
Neurofibromatosis
Neuroma
Neuroradiology
Use Brain, CT; Cerebral angiography; Cerebral blood vessels; Nerves; Nervous system; Spinal cord, etc.
Neutrons
Non-Hodgkin lymphoma
Use Lymphoma
Normal variant
Nose, abnormalities
Nose, CT
Nose, diseases
Nose, hemorrhage
Nose, MR
Nose, neoplasms
Nose, therapeutic radiology
Nuclear medicine
Use Radionuclide imaging; Radionuclides; under names of diseases, organs, and regions
Nuclides
Use Radionuclides
Nutrition
Nutritional disorders

O

Obesity
Obituaries
Obstetrics, US
Use Fetus, US; Placenta, US; Pregnancy, US
Ogilvie syndrome
Use Colon, enlarged
Ollier disease
Use Enchondroma
Omentum
Omentum, cysts
Omentum, neoplasms
Omphalocele
Use Umbilical cord
Oncocytoma
Oncology
Use Neoplasms
Opinions
Use also Devil's Advocate; Editorials; Editor's Page; Special communications
Optic chiasm
Use Nerves, optic
Orbit, abnormalities
Orbit, CT
Orbit, cysts
Orbit, diseases
Orbit, fractures
Orbit, hemorrhage
Orbit, inflammation
Orbit, injuries
Orbit, MR
Orbit, neoplasms
Orbit, therapeutic radiology
Orbit, US
Orbit, varices
Orchitis
Osteitis deformans
Osteoarthropathy, hypertrophic
Osteoblastoma
Osteochondritis dissecans
Osteochondrodysplasias
Use Bones, osteochondrodysplasias
Osteochondroma
Osteodystrophy
Use Bones, primary metabolic abnormalities
Osteogenesis imperfecta
Use Bones, osteochondrodysplasias
Osteolysis
Osteoma
Osteomalacia
Osteomyelitis
Use Bones, infection
Osteonecrosis
Use Bones, necrosis
Osteopetrosis
Use Bones, osteochondrodysplasias
Osteoporosis
Osteosarcoma
Osteosclerosis
Use Bones, sclerosis
Otitis media
Use Ear, inflammation and infection
Ovary
Ovary, abnormalities
Ovary, abscess
Ovary, CT
Ovary, cysts
Ovary, MR
Ovary, neoplasms
Ovary, radionuclide studies
Ovary, therapeutic radiology
Ovary, torsion
Ovary, US
Oxalosis
Oxygen

P

Pacemakers
Use Heart, pacemakers
PACS
Use Picture archiving and communication system (PACS)
Paget disease
Use Osteitis deformans
Palate
Palate, cleft
Panbronchiolitis
Use Bronchiolitis
Pancreas
Pancreas, abnormalities
Pancreas, abscess
Pancreas, angiography
Pancreas, biopsy
Pancreas, calcification
Pancreas, CT
Pancreas, cysts
Pancreas, diseases
Pancreas, inflammation
Use Pancreatitis
Pancreas, injuries
Pancreas, insufficiency
Pancreas, interventional procedure
Pancreas, MR
Pancreas, necrosis
Pancreas, neoplasms
Pancreas, percutaneous drainage
Use Pancreas, interventional procedure
Pancreas, radiography

Pancreas, radionuclide studies
Pancreas, surgery
Pancreas, therapeutic radiology
Pancreas, transplantation
Pancreas, US
Pancreatic ducts
Pancreatitis
Pancreatography
Use Pancreas, radiography
Papilloma
Paraganglioma
Paralysis
Paranasal sinuses
Paranasal sinuses, abnormalities
Paranasal sinuses, anatomy
Paranasal sinuses, CT
Paranasal sinuses, diseases
Paranasal sinuses, fungus
Paranasal sinuses, inflammation
Use Sinusitis
Paranasal sinuses, MR
Paranasal sinuses, neoplasms
Paranasal sinuses, polyps
Paranasal sinuses, radiography
Paranasal sinuses, surgery
Paranasal sinuses, therapeutic radiology
Parapharyngeal space
Use Pharynx
Paraplegia
Use Paralysis
Parasites
Parathyroid, abnormalities
Parathyroid, angiography
Parathyroid, biopsy
Parathyroid, CT
Parathyroid, hyperparathyroidism
Parathyroid, hypoparathyroidism
Parathyroid, MR
Parathyroid, neoplasms
Parathyroid, radionuclide studies
Parathyroid, US
Paresis
Use Paralysis
Parkinson disease
Parotid gland
Parotid gland, CT
Parotid gland, cysts
Parotid gland, diseases
Parotid gland, hypertrophy
Parotid gland, MR
Parotid gland, neoplasms
Parotid gland, radionuclide studies
Parotid gland, US
Patella
Pectus excavatum
Use Thorax, abnormalities
Pediatric radiology
Use Radiography, in infants and children
Pelvic organs
Pelvic organs, abnormalities
Pelvic organs, abscess
Pelvic organs, biopsy
Pelvic organs, CT
Pelvic organs, cysts
Pelvic organs, diseases
Pelvic organs, hemorrhage
Pelvic organs, injuries
Pelvic organs, MR
Pelvic organs, neoplasms
Pelvic organs, prolapse
Pelvic organs, radiography
Pelvic organs, radionuclide studies
Pelvic organs, therapeutic radiology
Pelvic organs, US
Pelvimetry
Use Pelvis, measurement
Pelvis
Use also Pelvic organs; names of specific pelvic bones and organs
Pelvis, abnormalities
Pelvis, CT
Pelvis, fractures
Pelvis, injuries
Pelvis, measurement
Pelvis, MR
Pelvis, neoplasms
Pelvis, radionuclide studies
Penis
Penis, angiography
Penis, cavernosography
Penis, diseases
Penis, MR
Penis, neoplasms
Penis, prostheses
Penis, radionuclide studies
Penis, US
Peptic ulcer
Peptic ulcer, complications
Peptic ulcer, diagnosis
Peptic ulcer, radionuclide studies
Peptic ulcer, US
Perfluorooctylbromide
Pericarditis
Pericardium
Pericardium, CT
Pericardium, cysts
Pericardium, effusion
Use Pericardium, fluid
Pericardium, fluid
Pericardium, inflammation
Use Pericarditis
Pericardium, MR
Pericardium, neoplasms
Pericardium, radionuclide studies
Pericardium, surgery
Pericardium, US
Periosteum
Periosteum, inflammation
Use Periostitis
Periostitis
Peritoneum
Peritoneum, calcification
Peritoneum, CT
Peritoneum, fluid
Peritoneum, hemorrhage
Peritoneum, inflammation
Use Peritonitis
Peritoneum, MR
Peritoneum, neoplasms
Peritoneum, radionuclide studies
Peritoneum, US
Peritonitis
Petrous bone
Use Temporal bone
Phantoms
Use also Test objects
Pharmacoangiography
Pharynx
Pharynx, abnormalities
Pharynx, anatomy
Pharynx, CT
Pharynx, MR
Pharynx, neoplasms
Pharynx, radiography
Pharynx, stenosis or obstruction
Pharynx, therapeutic radiology
Phenylketonuria
Pheochromocytoma
Phlebography
Use Venography
Phosphorus
Use Magnetic resonance (MR), phosphorus studies
Phosphorus, radioactive
Use Radionuclides, therapeutic
Photons
Physics
Picture archiving and communication system (PACS)
Pineal body
Pineal body, CT
Pineal body, cysts
Pineal body, MR
Pineal body, neoplasms
Pituitary, anatomy
Pituitary, CT
Pituitary, diseases
Pituitary, hemorrhage
Pituitary, hypopituitarism
Pituitary, MR
Pituitary, neoplasms
Pituitary, radionuclide studies
Pituitary, therapeutic radiology
Placenta
Placenta, abnormalities
Placenta, hemorrhage
Placenta, US
Use also Fetus, US; Pregnancy, US
Plasmacytoma
Platelets
Use Blood, platelets
Plethysmography
Pleura
Pleura, air in
Use Pneumothorax
Pleura, CT
Pleura, diseases
Pleura, fluid
Pleura, infection
Pleura, interventional procedure
Pleura, MR
Pleura, neoplasms
Pleura, radiography
Pleura, radionuclide studies
Pleura, US
Pleuritis
Pneumatosis intestinalis
Use Intestines, cysts
Pneumocephalus
Pneumoconiosis
Pneumomediastinum
Pneumonectomy
Use Lung, surgery
Pneumonia
Use Lung, infection
Pneumonitis
Pneumonitis, hypersensitivity
Pneumonitis, usual interstitial
Pneumopericardium
Pneumoperitoneum
Pneumorrhachis
Pneumothorax
POEMS syndrome
Poisons and poisoning
Polyarteritis nodosa
Use Arteritis
Polychondritis
Polycythemia
Polyps
Use Colon, neoplasms; Stomach, neoplasms, etc.
Polyvinyl compounds
Popliteal cysts
Use Knee, cysts
Porencephaly
Use Brain, cysts
Porphyrin
Portal hypertension
Use Hypertension, portal
Portal vein
Portal vein, abnormalities
Portal vein, anatomy
Portal vein, calcification
Portal vein, CT
Portal vein, flow dynamics
Portal vein, gas
Portal vein, MR
Portal vein, neoplasms
Portal vein, radionuclide studies
Portal vein, stenosis or obstruction
Portal vein, therapeutic blockade
Portal vein, thrombosis
Portal vein, US
Portography
Portography, technology
Positron imaging
Use Emission CT
Posterior fossa
Posterior fossa, abnormalities
Posterior fossa, CT
Posterior fossa, cysts
Posterior fossa, hemorrhage
Posterior fossa, neoplasms
Pregnancy
Use also Fetus; Placenta
Pregnancy, abnormalities
Pregnancy, complications
Pregnancy, ectopic
Pregnancy, irradiation in
Pregnancy, MR
Pregnancy, US
Use also Fetus, US
Progressive systemic sclerosis
Use Scleroderma
Prostate, anatomy
Prostate, biopsy
Prostate, CT
Prostate, cysts
Prostate, diseases
Prostate, dysplasia
Prostate, hyperplasia
Prostate, hypertrophy
Prostate, interventional procedure
Prostate, MR
Prostate, neoplasms
Prostate, radionuclide studies
Prostate, surgery
Prostate, therapeutic radiology
Prostate, US
Prostatitis
Prostheses
Proteinosis
Proteins
Pseudoarthrosis
Pseudomyxoma peritonei
Pseudotumor cerebri
Pubic bones
Pulmonary angiography

Pulmonary angiography, technology
Pulmonary arteries
Pulmonary arteries, abnormalities
Pulmonary arteries, CT
Pulmonary arteries, flow dynamics
Pulmonary arteries, MR
Pulmonary arteries, neoplasms
Pulmonary arteries, obstruction
Use Pulmonary arteries, stenosis or obstruction
Pulmonary arteries, radionuclide studies
Pulmonary arteries, stenosis or obstruction
Pulmonary arteries, surgery
Pulmonary arteries, therapeutic blockade
Pulmonary arteries, transluminal angioplasty
Pulmonary arteries, US
Pulmonary hypertension
Use Hypertension, pulmonary
Pulmonary valve
Pulmonary valve, interventional procedure
Pulmonary veins
Pulmonary veins, abnormalities
Pulmonary veins, MR
Purpura
Pyelography
Use Urography
Pyelonephritis
Use Nephritis
Pylorus
Pylorus, stenosis
Pylorus, US
Pyonephrosis
Use Kidney, abscess

Q

Quality assurance
Use also under specific procedures, such as Breast radiography, quality assurance

R

Radiations
Use also Dosimetry; Neutrons; Radiobiology; Radiography; Radionuclide imaging; Radionuclides; Therapeutic radiology
Radiations, effects
Use Radiations, injurious effects
Radiations, exposure to patients and personnel
Radiations, injurious effects
Radiations, injurious effects, as a result of nuclear bombing
Radiations, injurious effects, complications of therapeutic radiology
Radiations, injurious effects, genetic, gonadal
Radiations, injurious effects, neoplastic
Radiations, measurement
Radiations, protective and therapeutic agents and devices
Radioaerosols
Use Aerosols
Radiobiology
Use also Neoplasms, experimental
Radiobiology, blood and hematopoietic studies
Radiobiology, cell and tissue studies
Radiobiology, lethality studies
Radiobiology, neoplastic studies
Use Neoplasms, experimental
Radiobiology, time-dose studies
RadioGraphics (journal)
Radiographs
Use Images
Radiography
Use also Radiations; under procedures, such as Angiography; Fluoroscopy; Myelography, etc.
Radiography, absurdities
Radiography, artifact
Radiography, bedside
Radiography, comparative studies
Radiography, computer-assisted
Radiography, digital
Radiography, in art
Radiography, in infants and children
Radiography, mobile
Use Radiography, bedside
Radiography, poetry
Radiography, portable
Use Radiography, bedside
Radiography, storage phosphor
Radiography, technology
Use also Screens and films
Radiological Society of North America
Radiological Society of North America, 74th scientific assembly and annual meeting
Radiological Society of North America, 75th scientific assembly and annual meeting
Radiological Society of North America, 76th scientific assembly and annual meeting
Radiological Society of North America, 77th scientific assembly and annual meeting
Radiology and radiologists
Radiology and radiologists, departmental management
Radiology and radiologists, design of radiological facilities
Radiology and radiologists, history
Radiology and radiologists, How I Do It
Radiology and radiologists, iatrogenic injury
Radiology and radiologists, observer performance
Use Diagnostic radiology, observer performance
Radiology and radiologists, research
Radiology centennial
Radiology (journal)
Radiology Outreach Foundation (ROF)
Radiology reporting systems
Radionuclide imaging
Use also under names of organs, such as Lung, radionuclide studies
Radionuclide imaging, artifact
Radionuclide imaging, comparative studies
Radionuclide imaging, complications
Radionuclide imaging, computer-assisted
Radionuclide imaging, dosimetry
Use Dosimetry
Radionuclide imaging, experimental
Radionuclide imaging, in diagnosis of neoplasms
Radionuclide imaging, in infants and children
Radionuclide imaging, intraoperative
Radionuclide imaging, physics
Radionuclide imaging, quality assurance
Radionuclide imaging, radiation dose
Radionuclide imaging, technology
Radionuclide imaging, transit studies
Radionuclides
Use also Radionuclide imaging; Therapeutic radiology
Radionuclides, comparative studies
Radionuclides, complications
Radionuclides, therapeutic
Radiopharmaceuticals
Use Radionuclides
Radiosensitivity
Radium
Radius
Radon
Receiver operating characteristic curve (ROC)
Rectum
Rectum, abnormalities
Rectum, abscess
Rectum, CT
Rectum, MR
Rectum, neoplasms
Rectum, radiography
Rectum, radionuclide studies
Rectum, stenosis or obstruction
Rectum, surgery
Rectum, therapeutic radiology
Rectum, ulcers
Rectum, US
Red blood cells
Red blood cells, radionuclide studies
Renal angiography
Use also Kidney; Renal arteries; Renal veins
Renal arteries
Use also Kidney; Renal angiography
Renal arteries, fibrodysplasia
Renal arteries, injuries
Renal arteries, interventional procedure
Use Renal arteries, transluminal angioplasty
Renal arteries, MR
Renal arteries, occlusion
Use Renal arteries, stenosis or obstruction
Renal arteries, stenosis or obstruction
Renal arteries, therapeutic blockade
Renal arteries, thrombosis
Renal arteries, transluminal angioplasty
Renal arteries, US
Renal tubular acidosis
Renal veins
Use also Kidney; Renal angiography
Renal veins, neoplasms
Renal veins, stenosis or obstruction
Renal veins, thrombosis
Renal veins, US
Respiratory distress syndrome
Respiratory distress syndrome, adult
Retina
Retina, CT
Retina, neoplasms
Retinoblastoma
Use Retina, neoplasms
Retroperitoneal space
Use also Abdomen
Retroperitoneal space, abscess
Retroperitoneal space, CT
Retroperitoneal space, diseases
Retroperitoneal space, fat
Retroperitoneal space, fibrosis
Retroperitoneal space, hemorrhage
Retroperitoneal space, injuries
Retroperitoneal space, MR
Retroperitoneal space, neoplasms
Retroperitoneal space, radionuclide studies
Retroperitoneal space, US
Rhabdomyolysis
Use Muscles
Rhabdomyosarcoma
Use Myosarcoma
Ribs
Ribs, abnormalities
Ribs, CT
Ribs, fractures
Ribs, neoplasms
Ribs, radionuclide studies
Rickets
Roentgenograms
Use Images
Rubella

S

Sacrum
Sacrum, CT
Sacrum, fractures
Sacrum, neoplasms
Sacrum, radionuclide studies
Salivary glands
Use also Parotid gland
Salivary glands, abnormalities
Salivary glands, CT
Salivary glands, interventional procedure
Salivary glands, MR
Salivary glands, neoplasms
Salivary glands, radiography
Salivary glands, radionuclide studies
Salivary glands, therapeutic radiology
Salivary glands, US
Sarcoidosis
Sarcoma
Use also Ewing sarcoma; Kaposi sarcoma
Scapula
Schistosomiasis
Schwannoma
Sciatica
Scleroderma
Sclerosing cholangitis
Use Cholangitis
Sclerosis
Sclerosis, multiple
Sclerosis, tuberous
Scoliosis
Use Spine, curvature
Screening, cancer
Use Cancer screening
Screens and films
Scrotum
Scrotum, abnormalities
Scrotum, diseases
Scrotum, MR
Scrotum, neoplasms
Scrotum, radionuclide studies
Scrotum, US
Seizures
Sella turcica
Sella turcica, empty
Sella turcica, MR
Seminal vesicle
Seminal vesicle, CT
Seminal vesicle, MR
Seminal vesicle, US
Seminoma
Sensitometry
Use Screens and films

Septum pellucidum
Sex
Shoulder
Shoulder, abnormalities
Shoulder, anatomy
Shoulder, arthritis
Shoulder, arthrography
Shoulder, CT
Shoulder, dislocation
Shoulder, injuries
Shoulder, MR
Shoulder, radiography
Shoulder, US
Shunts, arteriovenous
Shunts, cardiac
Shunts, mesocaval
Shunts, peritoneovenous
Shunts, portacaval
Shunts, portohepatic
Shunts, portosystemic
Shunts, pulmonary
Shunts, splenorenal
Shunts, ventricular
Shunts, ventriculoperitoneal
Sialography
Use Salivary glands, radiography
Sickle cell disease (SS, SC)
Silicone
Single-photon emission tomography
Use Emission CT
Sinuses, cavernous
Use Cavernous sinus
Sinuses, dural
Sinuses, frontal
Use Paranasal sinuses
Sinuses, maxillary
Use Paranasal sinuses
Sinuses, paranasal
Use Paranasal sinuses
Sinuses, sphenoid
Use Paranasal sinuses
Sinuses, superior sagittal
Sinusitis
Sjogren syndrome
Use Eye, diseases
Skeleton
Use Bones
Skin
Skin, abnormalities
Skin, diseases
Skin, effects of irradiation on
Skin, inflammation
Use Dermatitis
Skin, MR
Skin, neoplasms
Skin, radionuclide studies
Skin, therapeutic radiology
Skin, US
Skull
Use also Head
Skull, abnormalities
Skull, anatomy
Skull, CT
Skull, diseases
Skull, fractures
Skull, growth and development
Skull, injuries
Skull, MR
Skull, primary neoplasms
Skull, radiography
Skull, radionuclide studies
Skull, secondary neoplasms
Skull, surgery
Skull, US
Sleep studies
Slides
Small intestine
Use Intestines
Society for Magnetic Resonance Imaging
Society of Cardiovascular and Interventional Radiology
Sodium
Use Magnetic resonance (MR), sodium studies
Soft tissues
Use also names of soft tissues, such as Breast
Soft tissues, abnormalities
Soft tissues, calcification
Soft tissues, fibroma
Soft tissues, infection
Soft tissues, inflammation
Use Cellulitis
Soft tissues, injuries
Soft tissues, MR
Soft tissues, neoplasms
Soft tissues, radionuclide studies
Soft tissues, therapeutic radiology
Soft tissues, US
Software reviews
Special communications
Use also Editorials; Editor's Page; Opinions
Special reports
Speech
Sphenoid bone
Spina bifida
Spinal canal
Spinal canal, CT
Spinal canal, cysts
Spinal canal, MR
Spinal canal, neoplasms
Spinal canal, stenosis
Spinal cord
Use also Arachnoid; Meninges
Spinal cord, abnormalities
Spinal cord, blood supply
Spinal cord, compression
Spinal cord, CT
Spinal cord, cysts
Spinal cord, diseases
Spinal cord, effects of irradiation on
Spinal cord, hemorrhage
Spinal cord, infection
Spinal cord, injuries
Spinal cord, MR
Spinal cord, neoplasms
Spinal cord, radiography
Use Myelography
Spinal cord, radionuclide studies
Spinal cord, therapeutic radiology
Spinal cord, US
Spine
Use also Spinal cord
Spine, abnormalities
Spine, anatomy
Spine, angiography
Spine, arthritis
Spine, biopsy
Spine, collapse
Spine, CT
Spine, curvature
Spine, cysts
Spine, diseases
Spine, dislocation
Spine, facet joints
Spine, fractures
Spine, hemorrhage
Spine, infection
Spine, inflammation
Use Spondylitis
Spine, injuries
Spine, intervertebral disks
Spine, mineralization
Spine, MR
Spine, necrosis
Spine, neoplasms
Use Spine, primary neoplasms; Spine, secondary neoplasms
Spine, primary neoplasms
Spine, radiography
Spine, radionuclide studies
Spine, secondary neoplasms
Spine, stenosis
Spine, surgery
Spine, therapeutic radiology
Spine, US
Spleen, abnormalities
Spleen, abscess
Spleen, accessory
Spleen, CT
Spleen, cysts
Spleen, diseases
Spleen, hemorrhage
Spleen, infarction
Spleen, infection
Spleen, injuries
Spleen, interventional procedure
Spleen, MR
Spleen, neoplasms
Spleen, radionuclide studies
Spleen, size
Spleen, surgery
Spleen, therapeutic radiology
Spleen, US
Spondylitis
Spondylolisthesis
Use Spine, dislocation
Spondylolysis
Sporotrichosis
Sports medicine
Use Athletic injuries
State-of-art reviews
Statistical analysis
Steatocystoma multiplex
Sterility
Sternum
Sternum, abnormalities
Sternum, CT
Sternum, fractures
Sternum, MR
Sternum, neoplasms
Sternum, radionuclide studies
Steroids
Steroids, complications
Stomach
Use also Gastrointestinal tract
Stomach, abnormalities
Stomach, angiography
Stomach, CT
Stomach, cysts
Stomach, diseases
Stomach, function
Stomach, hemorrhage
Stomach, infarction
Stomach, infection
Stomach, inflammation
Use Gastritis
Stomach, interventional procedure
Stomach, motility
Stomach, MR
Stomach, mucosa
Stomach, neoplasms
Stomach, pneumatosis
Use Stomach, cysts
Stomach, polyps
Use Stomach, neoplasms
Stomach, radiography
Stomach, radionuclide studies
Stomach, reflux
Stomach, stenosis or obstruction
Stomach, surgery
Stomach, therapeutic radiology
Stomach, ulcer
Use Peptic ulcer
Stomach, US
Stomach, varices
Stomach, volvulus
Streptokinase
Subclavian steal syndrome
Substantia nigra
Subtraction, dual-energy
Sum and substance
Surfactant
Surgery, complications
Swallowing
Use Pharynx
Synovial membrane
Synovial membrane, cysts
Synovitis
Syphilis
Syringomyelia

T

Takayasu arteritis
Talc
Technetium, radioactive
Technologists
Teeth
Telangiectasia
Teleradiology
Use Video systems
Temporal bone
Temporal bone, abnormalities
Temporal bone, CT
Temporal bone, cysts
Temporal bone, diseases
Temporal bone, fractures
Temporal bone, MR
Temporal bone, neoplasms
Temporomandibular joint
Use Joints, temporomandibular
Tendinitis
Tendons
Tendons, CT
Tendons, injuries
Tendons, MR
Tendons, US
Tenography
Tenosynovitis
Teratoma
Testis
Testis, abnormalities
Testis, abscess
Testis, calculi
Testis, CT

Testis, cysts
Testis, inflammation
Use Orchitis
Testis, injuries
Testis, MR
Testis, neoplasms
Testis, radionuclide studies
Testis, therapeutic radiology
Testis, torsion
Testis, undescended
Testis, US
Test objects
Use also Phantoms
Tetralogy of Fallot
Thalamus
Thalassemia
Use Anemia
Thallium, radioactive
Therapeutic radiology
Therapeutic radiology, comparative studies
Therapeutic radiology, complications
Use Radiations, injurious effects, complications of therapeutic radiology
Therapeutic radiology, computer-assisted
Therapeutic radiology, dosimetry
Use Dosimetry
Therapeutic radiology, electrons
Therapeutic radiology, experimental
Therapeutic radiology, in infants and children
Therapeutic radiology, interstitial and intracavitary
Therapeutic radiology, intraoperative
Therapeutic radiology, nutrition
Therapeutic radiology, photons
Therapeutic radiology, physics
Therapeutic radiology, postoperative
Therapeutic radiology, preoperative
Therapeutic radiology, quality assurance
Therapeutic radiology, technology
Therapeutic radiology, treatment planning
Use Treatment planning
Thigh
Thigh, CT
Thigh, MR
Thigh, neoplasms
Thigh, US
Thoracic duct
Thoracocentesis
Thorax
Use also Bronchi; Heart; Lung; Mediastinum; Ribs; etc.
Thorax, abnormalities
Thorax, anatomy
Thorax, biopsy
Thorax, CT
Thorax, cysts
Thorax, diseases
Thorax, hemorrhage
Thorax, injuries
Thorax, interventional procedure
Thorax, MR
Thorax, neoplasms
Thorax, radiography
Thorax, radionuclide studies
Thorax, surgery
Thorax, therapeutic radiology
Thorax, US
Thorium oxide
Thrombectomy
Thromboembolism
Use Embolism; Thrombosis
Thrombolysis
Thrombophlebitis
Thrombosis
Use also individual vessels, e.g., Cerebral blood vessels, thrombosis; Hepatic veins, thrombosis
Thrombosis, arterial
Use also individual vessels, e.g., Hepatic arteries, thrombosis
Thrombosis, experimental
Thrombosis, MR
Thrombosis, radionuclide studies
Thrombosis, renal vein
Use Renal veins, thrombosis
Thrombosis, US
Thrombosis, venous
Use also individual vessels, e.g., Hepatic veins, thrombosis
Thymoma
Use Thymus, neoplasms
Thymus
Thymus, abnormalities
Thymus, CT
Thymus, cysts
Thymus, MR
Thymus, neoplasms
Thymus, radionuclide studies
Thymus, therapeutic radiology
Thymus, US
Thyroid, abnormalities
Thyroid, abscess
Thyroid, biopsy
Thyroid, calcification
Thyroid, CT
Thyroid, diseases
Thyroid, hyperthyroidism
Thyroid, hypothyroidism
Thyroid, inflammation
Use Thyroiditis
Thyroid, MR
Thyroid, neoplasms
Thyroid, radionuclide studies
Thyroid, surgery
Thyroid, therapeutic radiology
Thyroid, US
Thyroiditis
Tibia
Tibia, abnormalities
Tibia, CT
Tibia, fractures
Tibia, MR
Tibia, neoplasms
Tissue-type plasminogen activator
Toes
Use Fingers and toes
Tomography
Use also Computed tomography (CT)
Tomography, radionuclide
Tomography, technology
Tongue, CT
Tongue, MR
Tongue, neoplasms
Tongue, therapeutic radiology
Tongue, US
Tonsils, neoplasms
Tonsils, therapeutic radiology
Total-body irradiation
Toxoplasmosis
Trachea, abnormalities
Trachea, compression
Trachea, CT
Trachea, diseases
Trachea, injuries
Trachea, interventional procedure
Trachea, MR
Trachea, neoplasms
Trachea, stenosis or obstruction
Transluminal angioplasty
Use Arteries, transluminal angioplasty; Veins, transluminal angioplasty
Transposition of great vessels
Trauma
Treatment planning
Tricuspid valve
Tricuspid valve, abnormalities
Trisomy 13
Trisomy 18
Trisomy 21
Use Down syndrome
Tuberculosis
Tuberculosis, central nervous system
Tuberculosis, gastrointestinal
Tuberculosis, genitourinary
Tuberculosis, pulmonary
Tuberculosis, skeletal
Tuberous sclerosis
Use Sclerosis, tuberous
Tumoral calcinosis
Use Calcium
Turner syndrome
Use Chromosomes, abnormalities
Twins
Twins, abnormalities

U

Ulcer
Use Peptic ulcer
Ulna
Ultrasound (US)
Use also under names of organs and regions, such as Heart, US studies
Ultrasound (US), artifact
Ultrasound (US), biological effects
Ultrasound (US), catheter identification
Ultrasound (US), comparative studies
Ultrasound (US), contrast media
Ultrasound (US), CT
Ultrasound (US), Doppler studies
Ultrasound (US), experimental
Ultrasound (US), in infants and children
Ultrasound (US), intraoperative
Ultrasound (US), pediatric
Use Ultrasound (US), in infants and children
Ultrasound (US), physics
Ultrasound (US), technology
Ultrasound (US), therapeutic
Ultrasound (US), tissue characterization
Ultrasound (US), utilization
Ultrasound (US) guidance
Umbilical cord
Urachus
Uremia
Ureter
Use also Genitourinary system
Ureter, abnormalities
Ureter, biopsy
Ureter, calculi
Ureter, CT
Ureter, diverticula
Ureter, enlarged
Ureter, function study
Ureter, injuries
Ureter, interventional procedure
Ureter, MR
Ureter, neoplasms
Ureter, obstruction
Use Ureter, stenosis or obstruction
Ureter, percutaneous drainage
Use Ureter, interventional procedure
Ureter, postoperative
Ureter, radionuclide studies
Ureter, reflux
Ureter, stenosis or obstruction
Ureter, surgery
Ureter, US
Ureterocele
Use Ureter, enlarged
Urethra
Use also Genitourinary system
Urethra, abnormalities
Urethra, diverticula
Urethra, interventional procedure
Urethra, MR
Urethra, neoplasms
Urethra, obstruction
Use Urethra, stenosis or obstruction
Urethra, radiography
Urethra, stenosis or obstruction
Urethra, US
Urine
Urine, extravasation
Urine, incontinence
Urine, reflux
Urinoma
Urodynamics
Urography
Urography, complications
Urography, contrast media
Urography, technology
Urokinase
Urolithiasis
Use Genitourinary system, calculi
Uterine neoplasms
Uterine neoplasms, CT
Uterine neoplasms, diagnosis
Uterine neoplasms, metastases
Uterine neoplasms, MR
Uterine neoplasms, radionuclide studies
Uterine neoplasms, staging
Uterine neoplasms, therapeutic radiology
Uterine neoplasms, therapy
Uterine neoplasms, US
Uterus
Use also Pelvic organs; Pregnancy; Uterine neoplasms
Uterus, abnormalities
Uterus, anatomy
Uterus, biopsy
Uterus, CT
Uterus, cysts
Uterus, diseases
Uterus, endometrium
Uterus, hemorrhage
Uterus, hydatidiform mole
Uterus, MR
Uterus, myometrium
Uterus, neoplasms
Use Uterine neoplasms
Uterus, perforation
Uterus, radiography
Uterus, radionuclide studies
Uterus, rupture

Uterus, size
Uterus, US
Use also Fetus, US; Pregnancy, US

V

Vagina, abnormalities
Vagina, CT
Vagina, MR
Vagina, neoplasms
Vagina, therapeutic radiology
Vagina, US
Varices
Use Esophagus, varices; Kidney, varices; Stomach, varices
Varicocele
Varicose veins
Use Veins, extremities
Vasculitis
Vasopressin
Veins
Use also Angiography; Arteriovenous malformations; Cerebral blood vessels; Coronary vessels; Embolism; Thrombosis; Venography; under names of specific blood vessels, such as Portal vein; Renal veins; etc.
Veins, abnormalities
Veins, axillary
Veins, azygos
Veins, brachiocephalic
Use Veins, innominate
Veins, CT
Veins, extremities
Veins, femoral
Veins, Galen
Veins, grafts and prostheses
Veins, hepatic
Use Hepatic veins
Veins, iliac
Veins, injuries
Veins, innominate
Veins, interventional procedure
Use Veins, transluminal angioplasty
Veins, jugular
Veins, mesenteric
Veins, MR
Veins, ovarian
Veins, pancreatic
Veins, popliteal
Use also Veins, extremities
Veins, portal
Use Portal vein
Veins, prostheses
Use Veins, grafts and prostheses
Veins, pulmonary
Use Pulmonary veins
Veins, radionuclide studies
Veins, renal
Use Renal veins
Veins, spermatic
Veins, splenic
Veins, stenosis or obstruction
Veins, subclavian
Veins, therapeutic blockade
Veins, thrombosis
Use Thrombosis, venous
Veins, transluminal angioplasty
Veins, umbilical
Veins, US
Venae cavae
Venae cavae, abnormalities
Venae cavae, angiography
Venae cavae, CT
Venae cavae, filters
Venae cavae, grafts and prostheses
Venae cavae, interventional procedure
Venae cavae, MR
Venae cavae, neoplasms
Venae cavae, obstruction
Use Venae cavae, stenosis or obstruction
Venae cavae, perforation
Venae cavae, radionuclide studies
Venae cavae, stenosis or obstruction
Venae cavae, thrombosis
Venae cavae, transluminal angioplasty
Venae cavae, US
Venography
Use also Angiography
Venography, complications
Venography, contrast media
Venography, radionuclide
Venography, technology
Ventricles
Use Brain; Heart, ventricles
Ventricular septal defect
Vertebrae
Use Spine
Vertebral arteries
Vertebral arteries, abnormalities
Vertebral arteries, angiography
Vertebral arteries, injuries
Vertebral arteries, MR
Vertebral arteries, occlusion
Use Vertebral arteries, stenosis or obstruction
Vertebral arteries, stenosis or obstruction
Vertebral arteries, US
Videodensitometry
Video systems
Viruses
Vitamins
Vocal cords
Vocal cords, neoplasms
Vocal cords, therapeutic radiology
Volvulus
Use Intestines, volvulus; Stomach, volvulus
von Hippel-Lindau disease
Vulva, neoplasms

W

Walker-Dandy syndrome
Use Brain, abnormalities
Warfarin
Use Anticoagulants
Wegener granulomatosis
Werner syndrome
Whipple disease
Wilms tumor
Use Kidney neoplasms
Wilson disease
Wrist
Wrist, abnormalities
Wrist, arthritis
Wrist, arthrography
Wrist, CT
Wrist, fractures
Wrist, injuries
Wrist, MR
Wrist, neoplasms
Wrist, radiography
Wrist, radionuclide studies
Wrist, tomography
Wrist, US

X

Xanthoma
Xenon
Xenon, radioactive
Xeromammography
Use Breast radiography
X rays
Use Diagnostic radiology; Dosimetry; Radiations; Radiography; Therapeutic radiology

Y

Yttrium, radioactive

Z

Zollinger-Ellison syndrome
Use Pancreas, neoplasms
Zygoma

List of terms added in 1991 . . .

Alport syndrome
Bartter syndrome
Bronchiolitis obliterans
Bullets
See Foreign bodies
Campylobacter
See Helicobacter infection
Carcinogenesis
See Neoplasms
Cephalocele
See Brain, hernia
Coccidioidomycosis
Copper
Cryptosporidiosis
Decompression
See Diving
Devil's Advocate
Diving
Eosinophilia-myalgia syndrome
Film processing
See Screens and films
Finite element analysis
Fistula, anal
Galactose
Gardner syndrome
Helicobacter infection
Intestines, transplantation
Journal of Magnetic Resonance Imaging
Journal of Vascular and Interventional Radiology
Kidney, immaturity
McArdle disease
See Muscles, diseases
Magnetic resonance (MR), angiography
See Magnetic resonance (MR), vascular studies
Magnetic resonance (MR), antibody imaging
Magnetic resonance (MR), fat suppression
Magnetic resonance (MR), flow studies
See Magnetic resonance (MR), vascular studies
Magnetic resonance (MR), high-field-strength imaging
Magnetic resonance (MR), interferometry
Magnetic resonance (MR), intracavitary coils
Magnetic resonance (MR), low-field-strength imaging
Magnetic resonance (MR), magnetization transfer contrast
Magnetic resonance (MR), motion correction
Magnetic resonance (MR), perfusion study
Magnetic resonance (MR), relaxometry
Magnetic resonance (MR), three-dimensional
Magnetic resonance (MR), vascular studies
Marshall-Smith syndrome
Meningioangiomatosis
Model, mathematical
Morton neuroma
See Neuroma
Myelin
Nose, hemorrhage
Paranasal sinuses, polyps
Patella
Pelvic organs, abnormalities
Pelvic organs, abscess
Pelvic organs, biopsy
Pelvic organs, CT
Pelvic organs, cysts
Pelvic organs, diseases
Pelvic organs, hemorrhage
Pelvic organs, injuries
Pelvic organs, MR
Pelvic organs, neoplasms
Pelvic organs, prolapse
Pelvic organs, radiography
Pelvic organs, radionuclide studies
Pelvic organs, therapeutic radiology
Pelvic organs, US
Radionuclide imaging, transit studies
Renal tubular acidosis
Sacrum, CT
Sensitometry
See Screens and films
Society for Magnetic Resonance Imaging
Sports medicine
See Athletic injuries
Steatocystoma multiplex
Substantia nigra
Temporomandibular joint
See Joints, temporomandibular
Testis, injuries
Thalamus
Thigh, MR
Thigh, neoplasms
Thrombectomy
Ureter, function study
Urethra, MR
Uterus, anatomy
Uterus, myometrium
von Hippel-Lindau disease

List of terms altered in 1991 . . .

Athletic injuries
Filters, radiographic
See also Venae cavae, filters
Goiter
See also Graves disease; Thyroid, hyperthyroidism
Graves disease
See also Goiter; Thyroid, hyperthyroidism
Pelvis
See also Pelvic organs; names of specific pelvic bones and organs
The word "studies" had been dropped from all terms ending in "MR studies" and "US studies," e.g., Kidney, MR studies is now kidney, MR.

List of Journals added and deleted . . .

Added:
Journal of Magnetic Resonance Imaging (JMRI)
Journal of Vascular and Interventional Radiology (JVIR)

Deleted:
Magnetic Resonance Imaging (Magn Res Imag)

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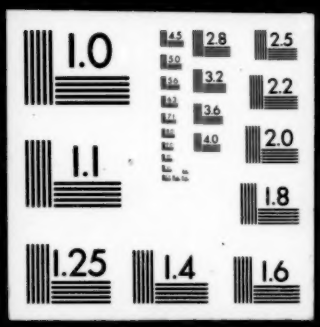
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